

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
 Data File : VN052068.D
 Acq On : 31 Oct 2018 12:44
 Operator : MD\SY
 Sample : VN1031WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Quant Time: Oct 31 14:09:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	326131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	587743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213600	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	211876	40.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.96%	
35) Dibromofluoromethane	7.59	113	176256	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	10.09	98	667617	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.40	95	227764	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	78966	19.92	ug/l	97
3) Chloromethane	2.06	50	88752	17.76	ug/l	97
4) Vinyl Chloride	2.19	62	90865	16.90	ug/l	96
5) Bromomethane	2.58	94	61571	15.26	ug/l	94
6) Chloroethane	2.71	64	57388	16.53	ug/l	95
7) Trichlorofluoromethane	3.02	101	127491	20.76	ug/l	98
8) Diethyl Ether	3.42	74	41386	18.07	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	71109	19.63	ug/l	98
10) Methyl Iodide	3.96	142	86899	18.30	ug/l	100
11) Tert butyl alcohol	4.79	59	19784	75.49	ug/l #	76
12) 1,1-Dichloroethene	3.74	96	64523	18.86	ug/l	93
13) Acrolein	3.61	56	19569	91.14	ug/l	98
14) Allyl chloride	4.32	41	113922	16.64	ug/l	99
15) Acrylonitrile	4.99	53	123031	82.12	ug/l	99
16) Acetone	3.82	43	86523	77.45	ug/l	99
17) Carbon Disulfide	4.06	76	181185	16.81	ug/l	95
18) Methyl Acetate	4.33	43	57627	16.20	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	193051	17.18	ug/l	95
20) Methylene Chloride	4.56	84	76964	18.08	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	71599	18.35	ug/l	89
22) Diisopropyl ether	5.95	45	247650	16.73	ug/l	98
23) Vinyl Acetate	5.90	43	853051	83.19	ug/l	99
24) 1,1-Dichloroethane	5.85	63	140491	16.98	ug/l	98
25) 2-Butanone	6.84	43	148283	84.63	ug/l	98
26) 2,2-Dichloropropane	6.83	77	109591	16.67	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	84789	18.20	ug/l	94
28) Bromochloromethane	7.20	49	61116	14.90	ug/l	88
29) Tetrahydrofuran	7.21	42	94762	81.18	ug/l	97
30) Chloroform	7.37	83	143433	17.36	ug/l	97
31) Cyclohexane	7.66	56	133526	15.36	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	119959	18.06	ug/l	97
36) 1,1-Dichloropropene	7.80	75	109017	18.24	ug/l	98
37) Ethyl Acetate	6.93	43	64517	16.13	ug/l #	74
38) Carbon Tetrachloride	7.77	117	102309	19.85	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
 Data File : VN052068.D
 Acq On : 31 Oct 2018 12:44
 Operator : MD\SY
 Sample : VN1031WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Quant Time: Oct 31 14:09:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	126537	17.84	ug/l	98
40) Benzene	8.05	78	323883	18.74	ug/l	97
41) Methacrylonitrile	7.18	41	39000	18.98	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	105581	16.55	ug/l	98
43) Isopropyl Acetate	8.17	43	120333	16.91	ug/l	97
44) Trichloroethene	8.84	130	76359	19.75	ug/l	93
45) 1,2-Dichloropropane	9.12	63	84317	17.12	ug/l	95
46) Dibromomethane	9.21	93	53542	19.45	ug/l	95
47) Bromodichloromethane	9.40	83	106565	18.57	ug/l	97
48) Methyl methacrylate	9.20	41	60591	16.80	ug/l	96
49) 1,4-Dioxane	9.20	88	10785	372.71	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	333419	86.22	ug/l	100
52) Toluene	10.16	92	200038	19.17	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	101912	16.79	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	121385	18.01	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	71789	19.32	ug/l	90
56) Ethyl methacrylate	10.43	69	92504	17.40	ug/l	97
57) 1,3-Dichloropropane	10.71	76	123925	18.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	253989	89.82	ug/l	96
59) 2-Hexanone	10.75	43	226797	82.30	ug/l	99
60) Dibromochloromethane	10.90	129	71174	19.45	ug/l	98
61) 1,2-Dibromoethane	11.01	107	68809	18.62	ug/l	99
64) Tetrachloroethene	10.63	164	66330	21.23	ug/l	95
65) Chlorobenzene	11.43	112	218031	20.07	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	73752	21.62	ug/l	98
67) Ethyl Benzene	11.51	91	368132	19.00	ug/l	96
68) m/p-Xylenes	11.62	106	281757	40.64	ug/l	97
69) o-Xylene	11.95	106	133658	19.48	ug/l	100
70) Styrene	11.96	104	220746	19.88	ug/l	98
71) Bromoform	12.13	173	37862	18.70	ug/l #	97
73) Isopropylbenzene	12.25	105	358823	19.64	ug/l	98
74) N-amyl acetate	12.07	43	104652	16.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	83049	18.96	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	103596	26.49	ug/l #	100
77) Bromobenzene	12.53	156	77166	20.19	ug/l	89
78) n-propylbenzene	12.59	91	413774	18.69	ug/l	98
79) 2-Chlorotoluene	12.67	91	239298	18.55	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	281410	18.93	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19182	16.28	ug/l	94
82) 4-Chlorotoluene	12.77	91	246191	18.71	ug/l	96
83) tert-Butylbenzene	12.99	119	240412	19.25	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	294551	19.91	ug/l	99
85) sec-Butylbenzene	13.17	105	339909	19.06	ug/l	97
86) p-Isopropyltoluene	13.29	119	277290	19.09	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	135957	19.51	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	134234	19.22	ug/l	99
89) n-Butylbenzene	13.61	91	242218	17.48	ug/l	98
90) Hexachloroethane	13.87	117	45409	18.24	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	129389	19.75	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11272	18.45	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
Data File : VN052068.D
Acq On : 31 Oct 2018 12:44
Operator : MD\SY
Sample : VN1031WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Quant Time: Oct 31 14:09:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration

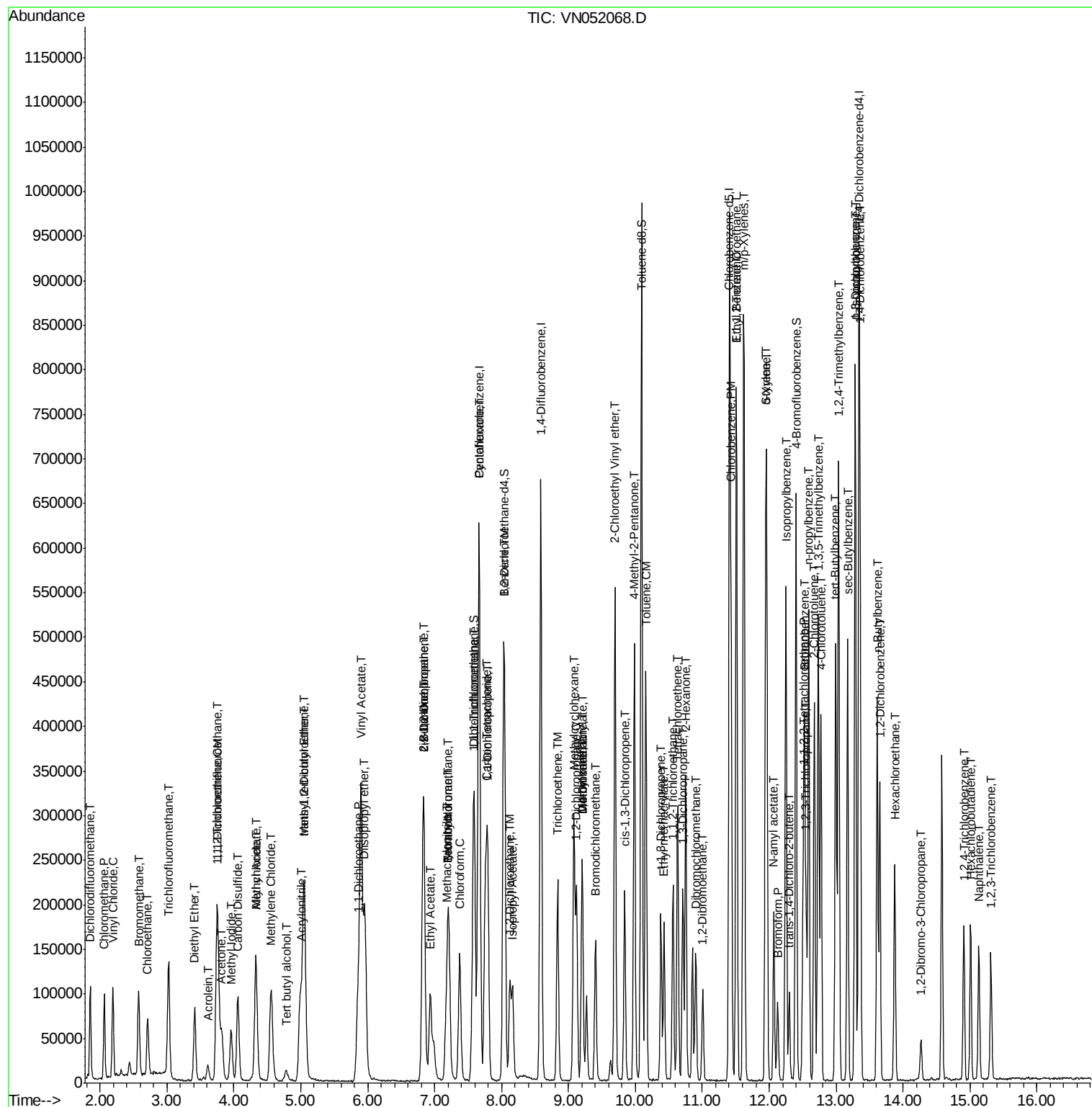
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47812	19.59	ug/l	98
94) Hexachlorobutadiene	15.01	225	27542	20.17	ug/l	96
95) Naphthalene	15.13	128	123930	20.25	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	42538	20.20	ug/l	97

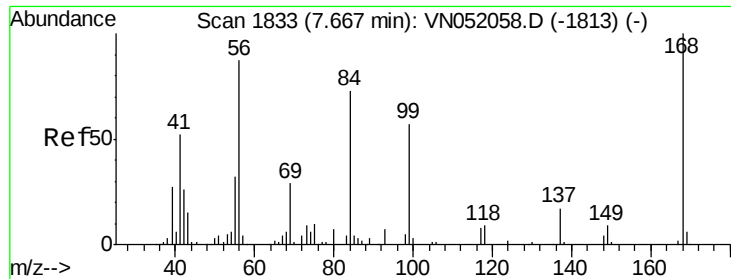
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
Data File : VN052068.D
Acq On : 31 Oct 2018 12:44
Operator : MD\SY
Sample : VN1031WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Quant Time: Oct 31 14:09:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

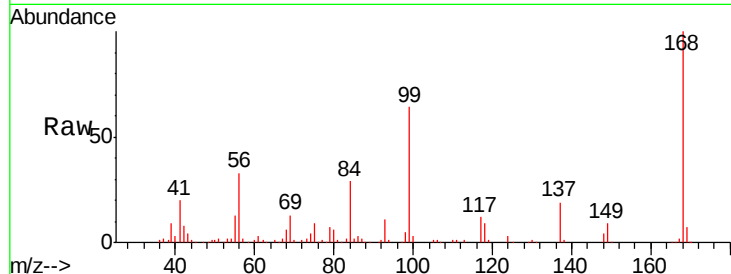
VN1031WBS01

Tgt Ion:168 Resp: 326131

Ion Ratio Lower Upper

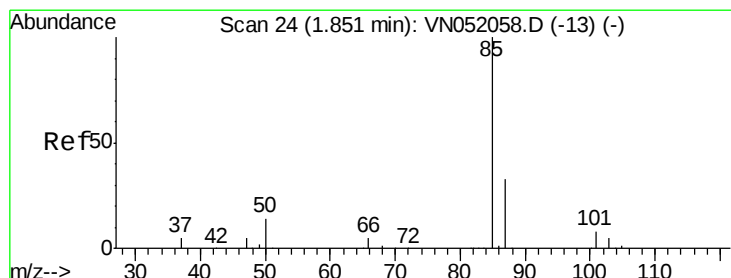
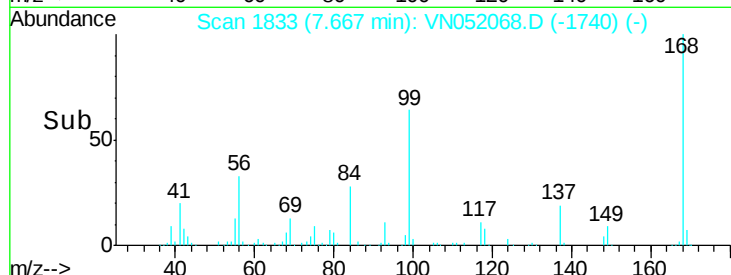
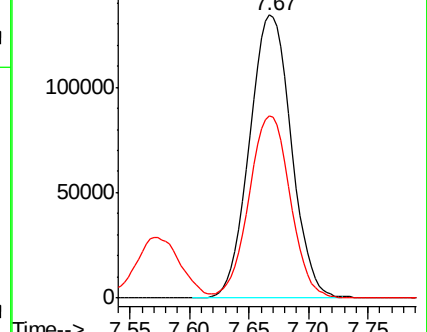
168 100

99 64.0 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052058.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052058.D (-1813) (-)



#2

Dichlorodifluoromethane

Concen: 19.92 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052068.D

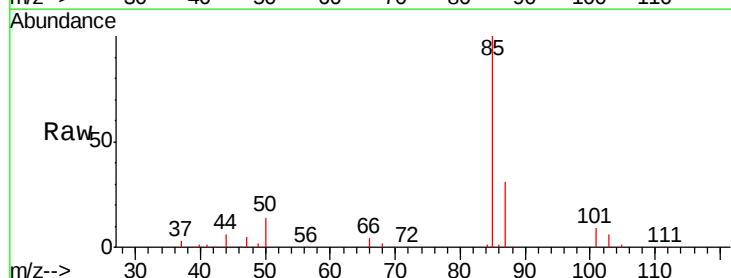
Acq: 31 Oct 2018 12:44

Tgt Ion: 85 Resp: 78966

Ion Ratio Lower Upper

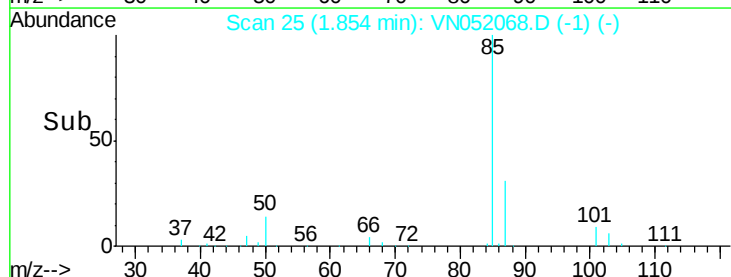
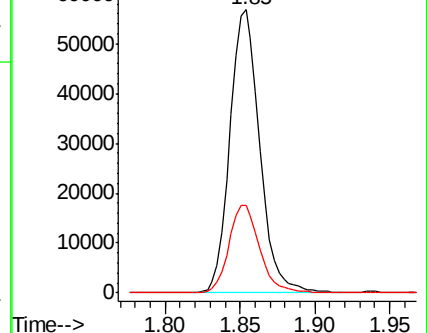
85 100

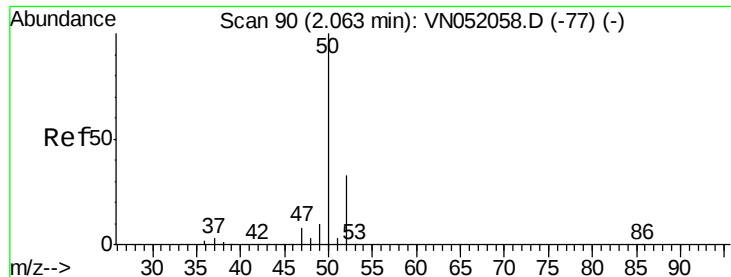
87 31.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN052058.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052058.D (-13) (-)





#3

Chloromethane

Concen: 17.76 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

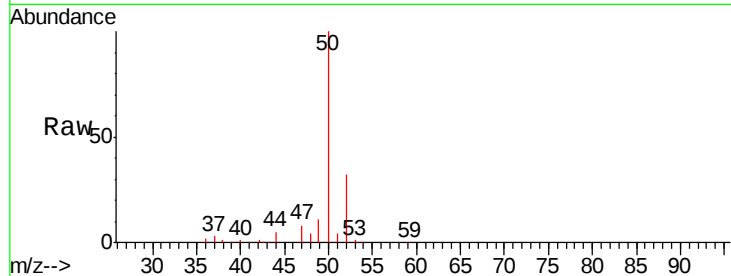
VN1031WBS01

Tgt Ion: 50 Resp: 88752

Ion Ratio Lower Upper

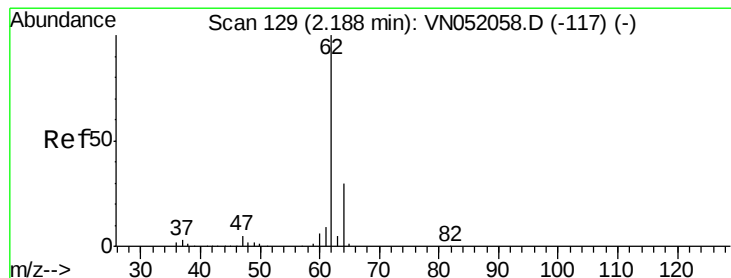
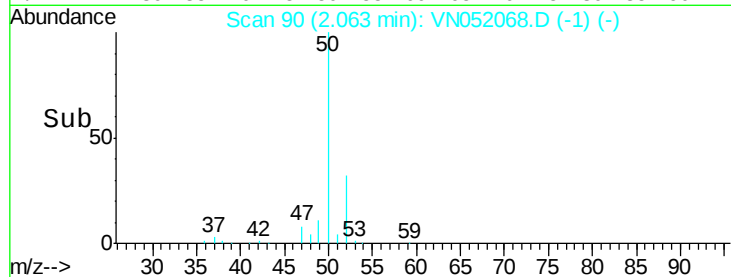
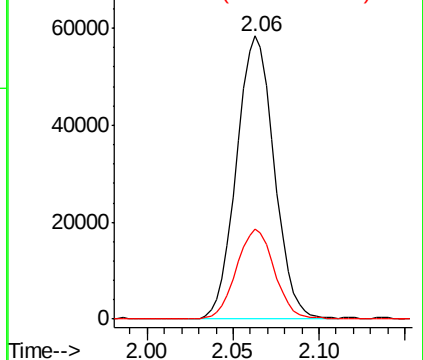
50 100

52 31.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.90 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052068.D

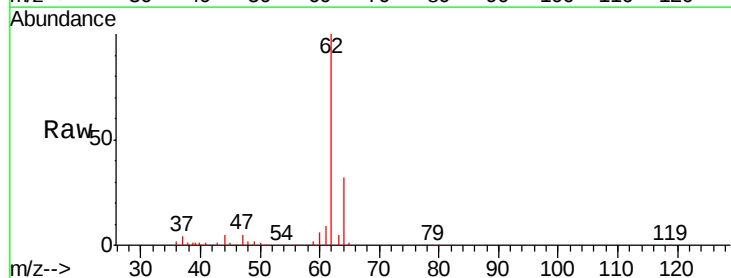
Acq: 31 Oct 2018 12:44

Tgt Ion: 62 Resp: 90865

Ion Ratio Lower Upper

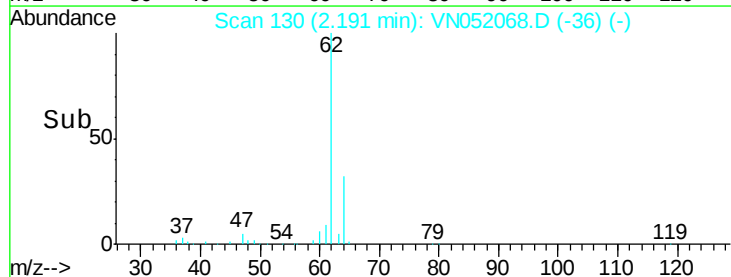
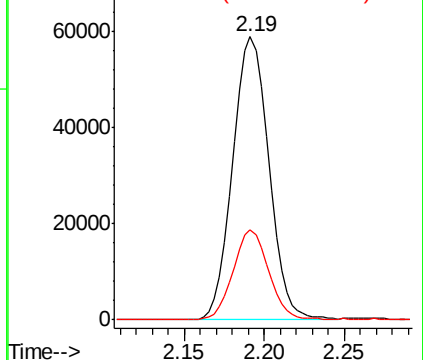
62 100

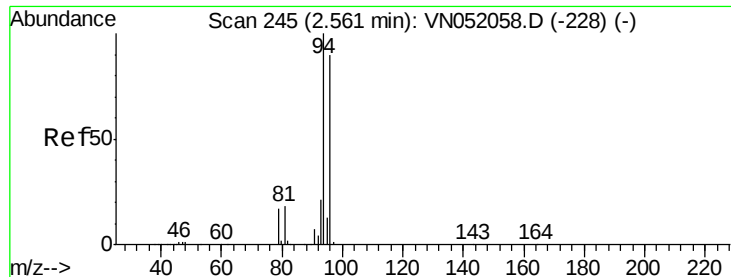
64 31.8 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.26 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

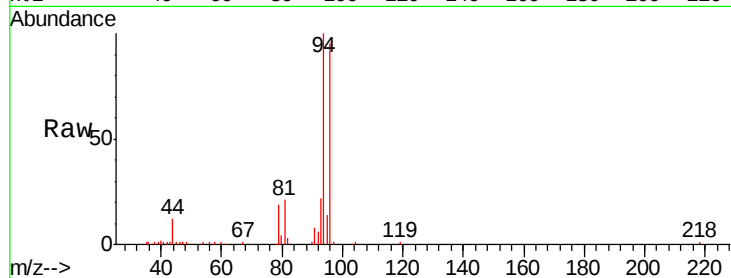
VN1031WBS01

Tgt Ion: 94 Resp: 61571

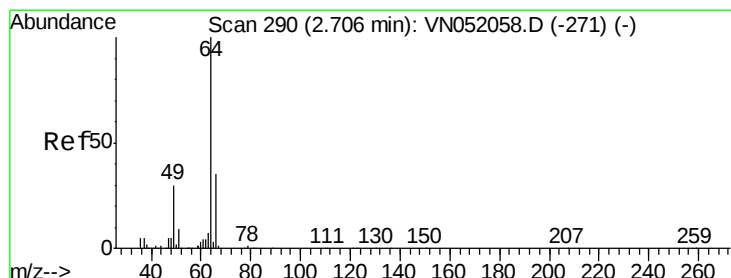
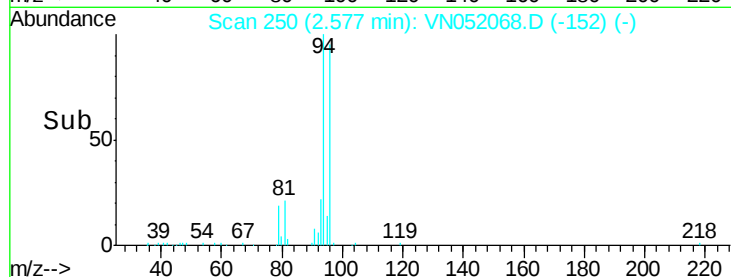
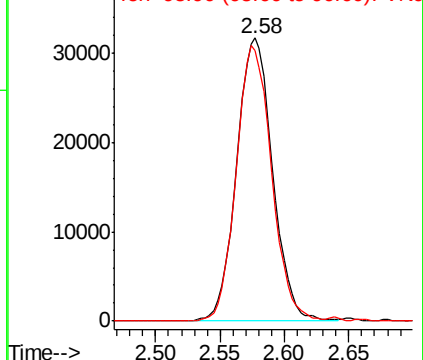
Ion Ratio Lower Upper

94 100

96 95.5 71.8 107.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.53 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN052068.D

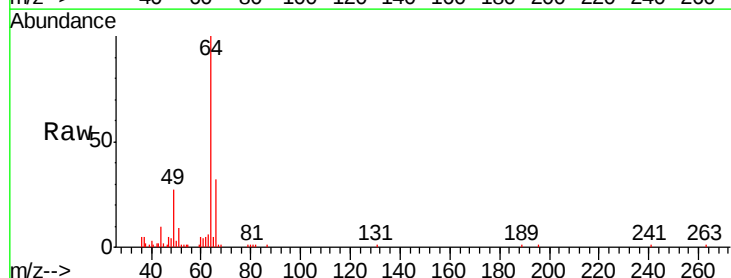
Acq: 31 Oct 2018 12:44

Tgt Ion: 64 Resp: 57388

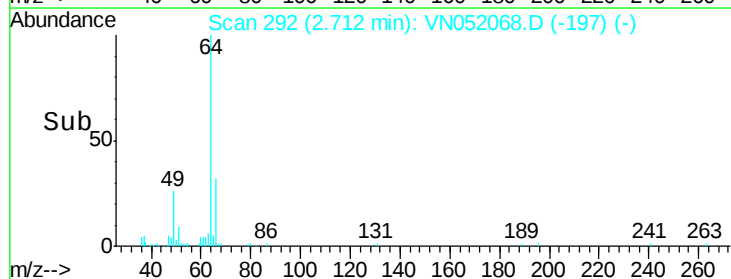
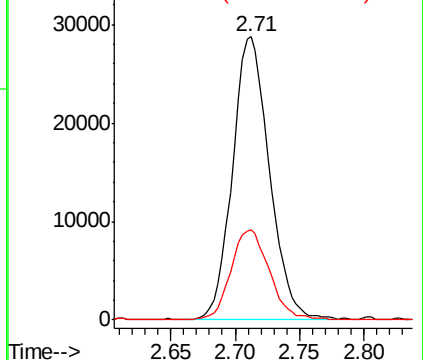
Ion Ratio Lower Upper

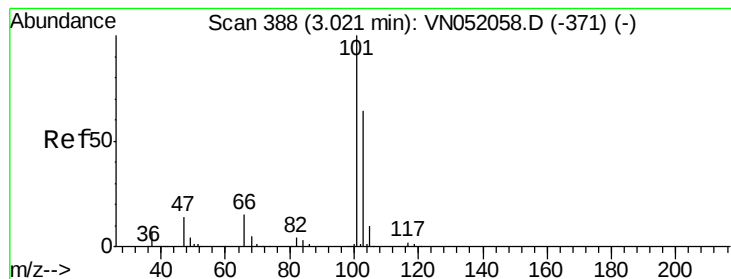
64 100

66 32.1 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



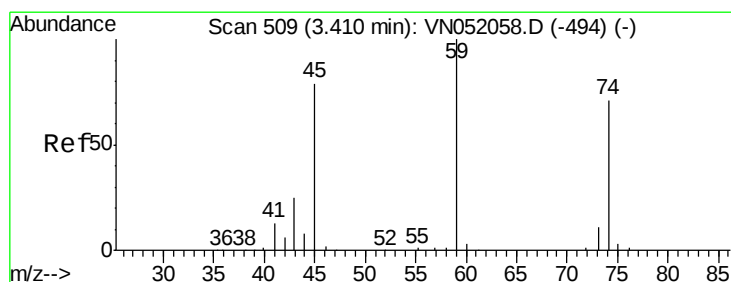
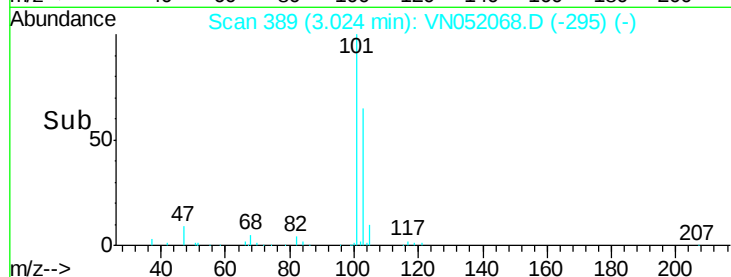
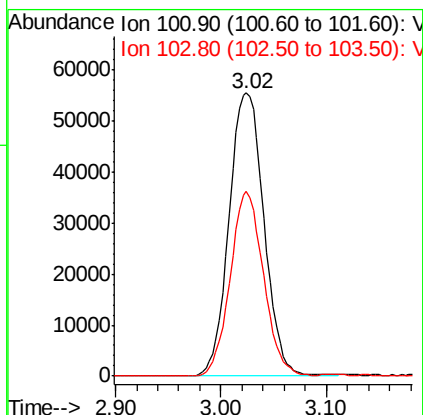
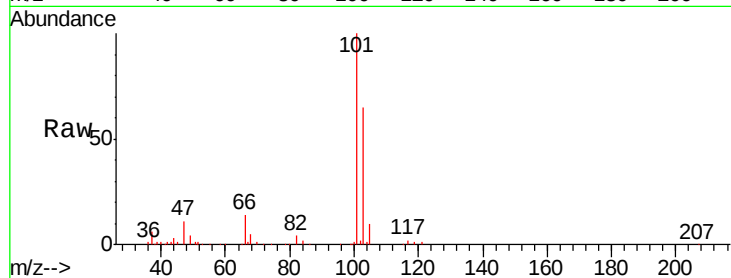


#7

Trichlorofluoromethane
 Concen: 20.76 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

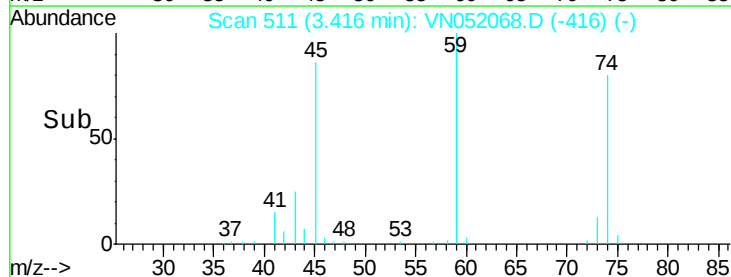
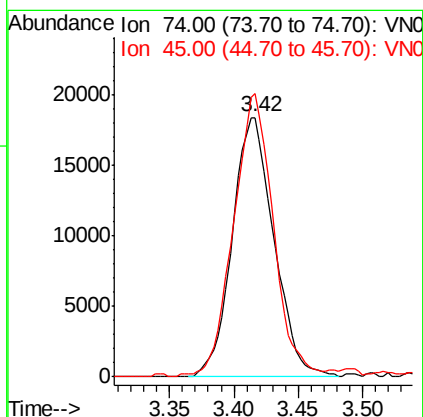
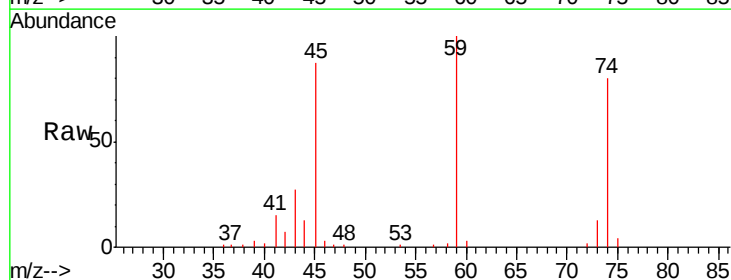
Tgt Ion:101 Resp: 127491
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.0 76.4

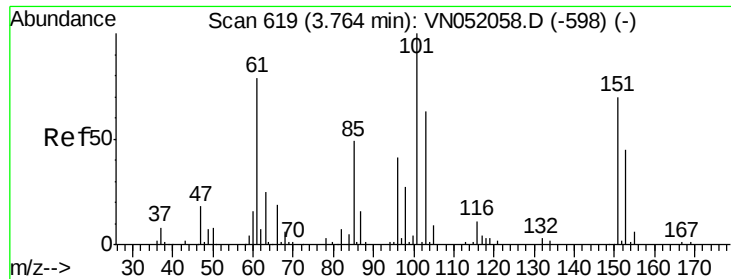


#8

Diethyl Ether
 Concen: 18.07 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 74 Resp: 41386
 Ion Ratio Lower Upper
 74 100
 45 104.4 55.6 166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.63 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

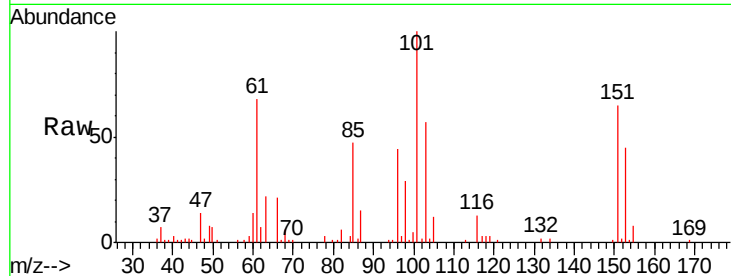
Tgt Ion:101 Resp: 71109

Ion Ratio Lower Upper

101 100

85 46.6 38.6 58.0

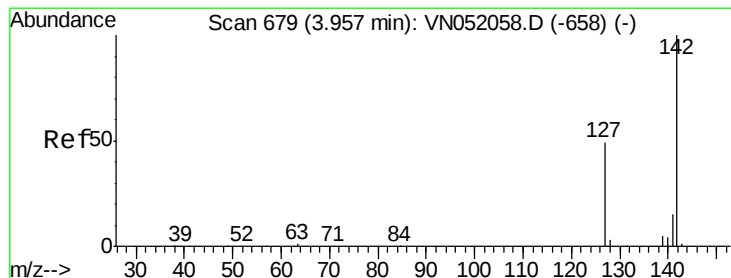
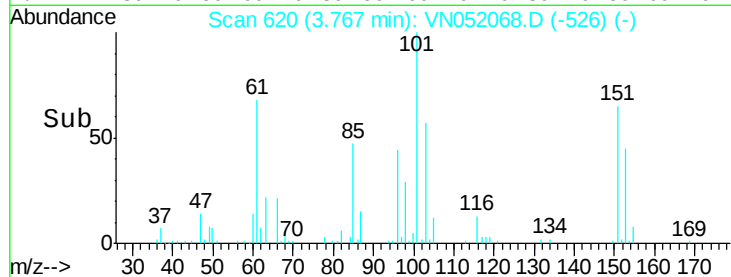
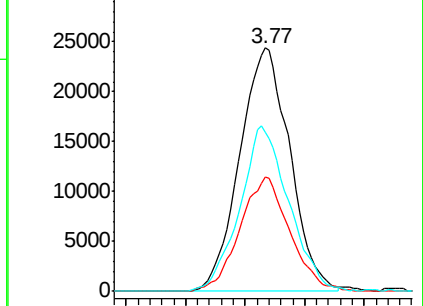
151 66.4 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.30 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

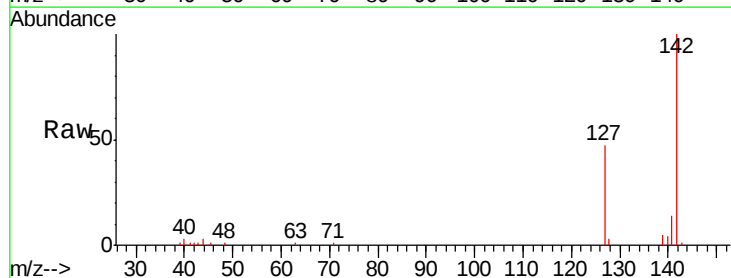
Tgt Ion:142 Resp: 86899

Ion Ratio Lower Upper

142 100

127 46.9 37.3 55.9

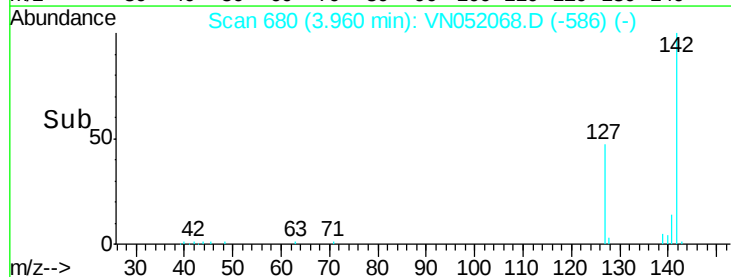
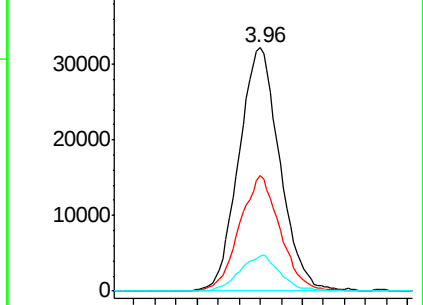
141 14.4 11.4 17.2

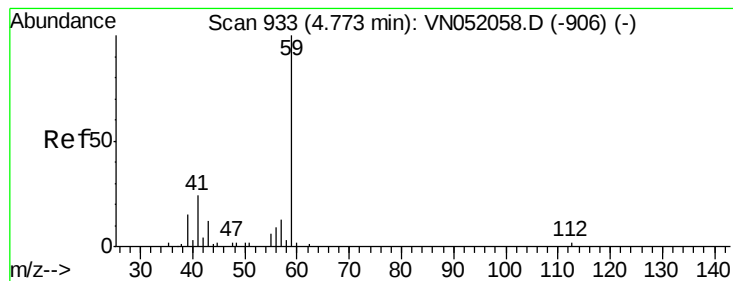


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 75.49 ug/l

RT: 4.79 min Scan# 937

Delta R.T. 0.01 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

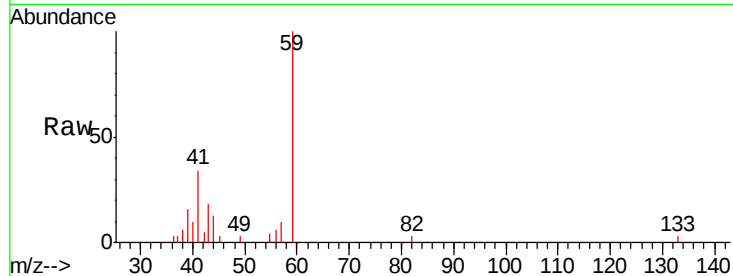
VN1031WBS01

Tgt Ion: 59 Resp: 19784

Ion Ratio Lower Upper

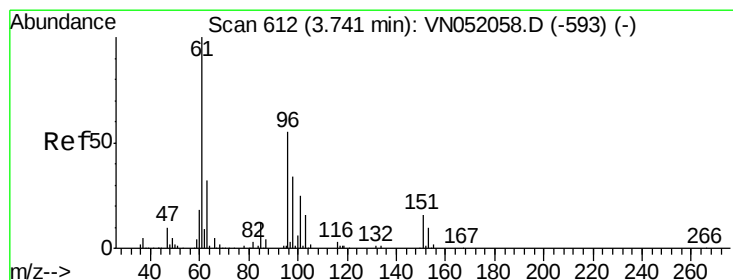
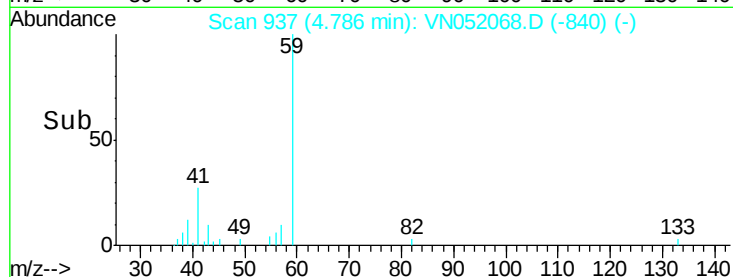
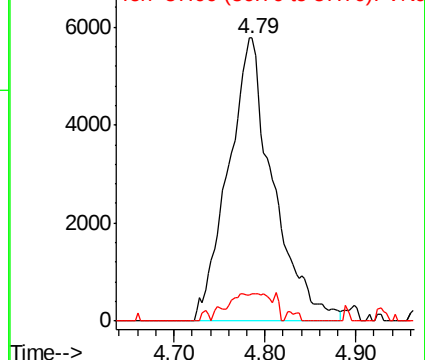
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.86 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

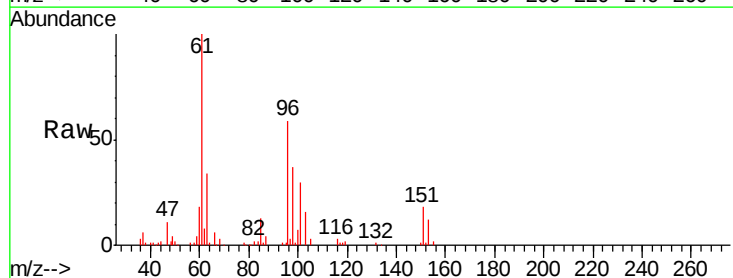
Tgt Ion: 96 Resp: 64523

Ion Ratio Lower Upper

96 100

61 169.6 145.7 218.5

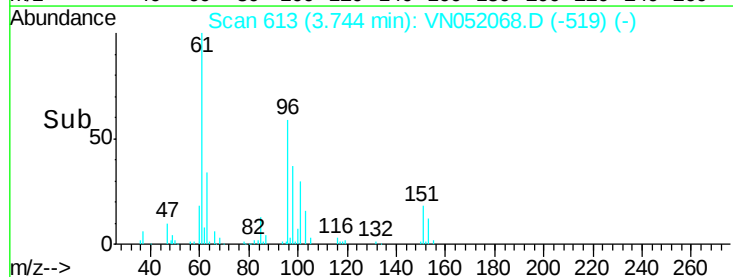
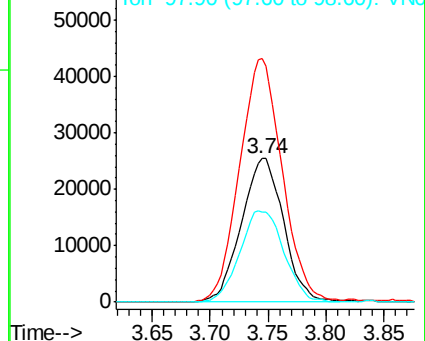
98 62.5 49.8 74.8

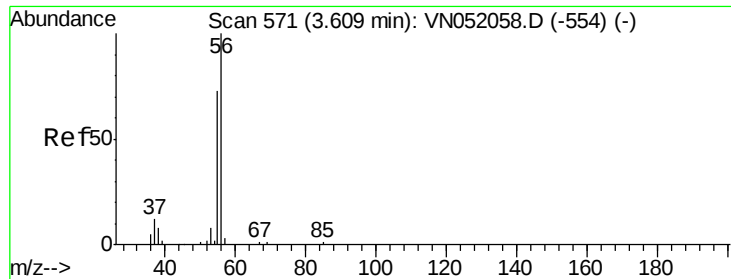


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 91.14 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

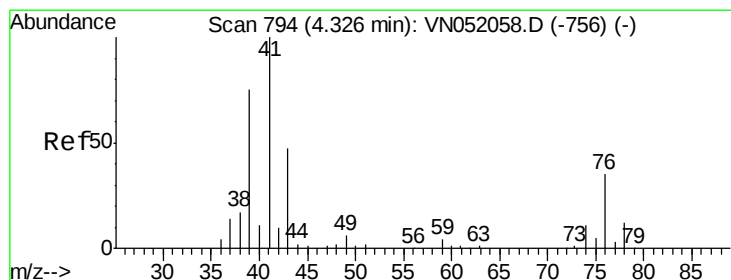
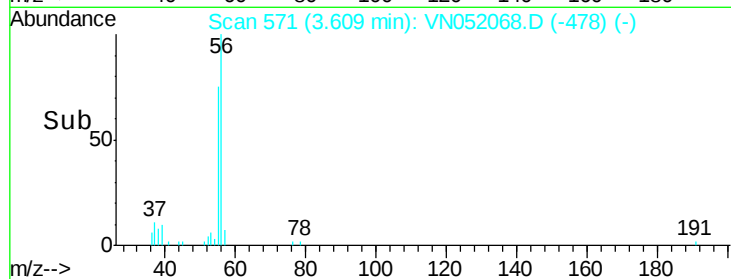
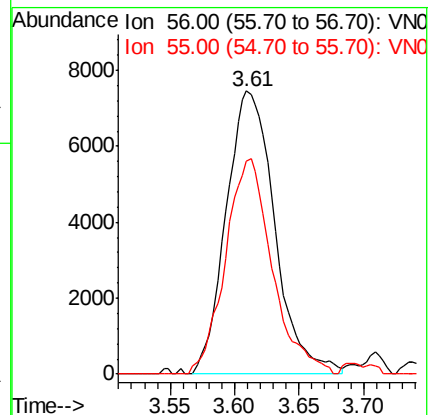
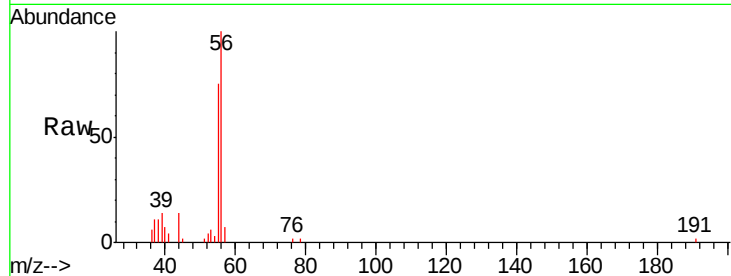
VN1031WBS01

Tgt Ion: 56 Resp: 19569

Ion Ratio Lower Upper

56 100

55 72.9 59.9 89.9



#14

Allyl chloride

Concen: 16.64 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

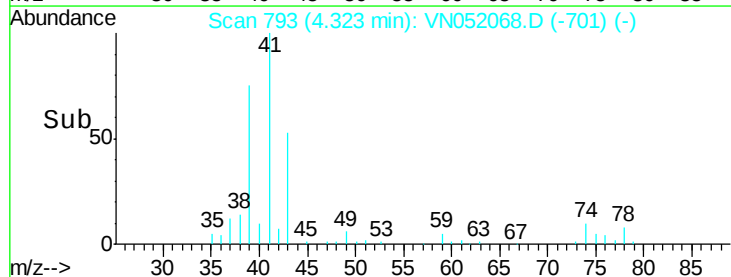
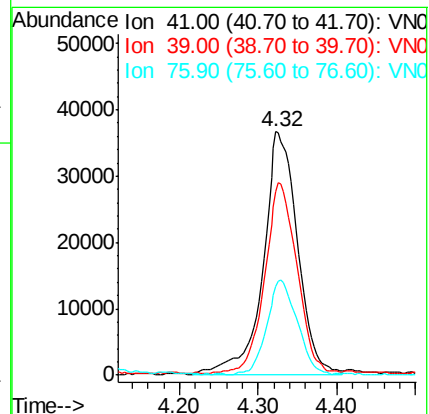
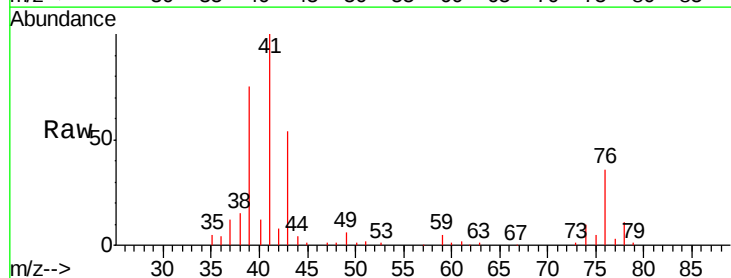
Tgt Ion: 41 Resp: 113922

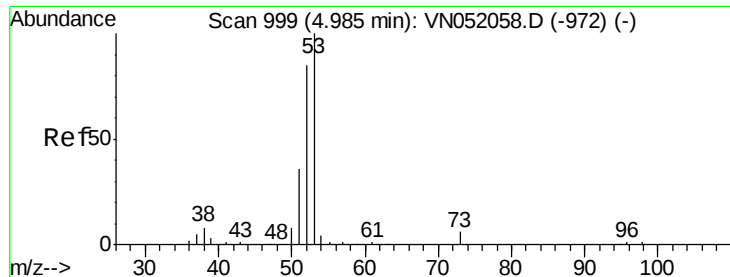
Ion Ratio Lower Upper

41 100

39 72.9 58.1 87.1

76 34.5 26.0 39.0





#15

Acrylonitrile

Concen: 82.12 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

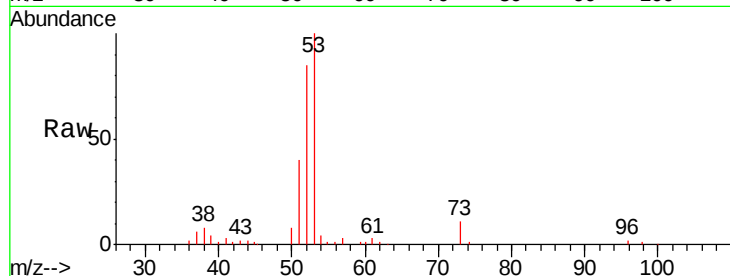
Tgt Ion: 53 Resp: 123031

Ion Ratio Lower Upper

53 100

52 84.2 66.6 100.0

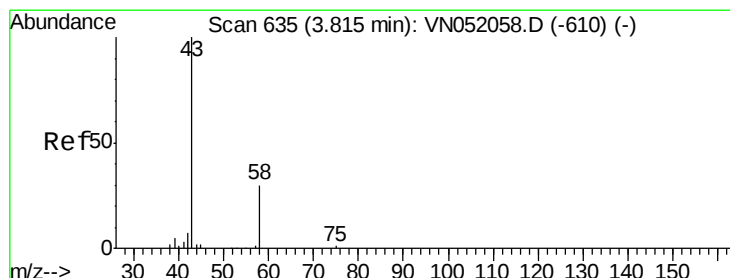
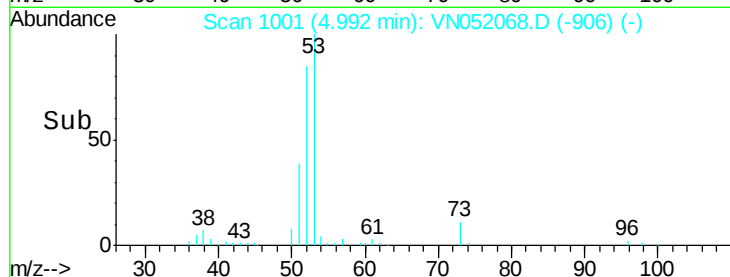
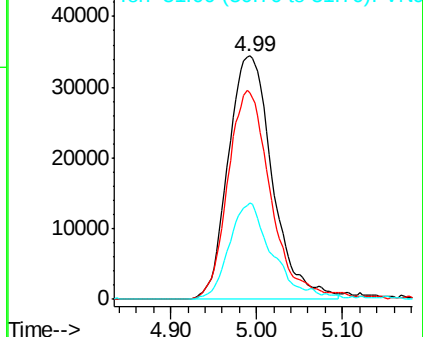
51 37.3 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 77.45 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052068.D

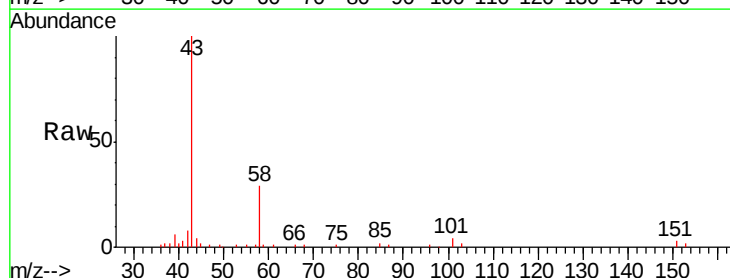
Acq: 31 Oct 2018 12:44

Tgt Ion: 43 Resp: 86523

Ion Ratio Lower Upper

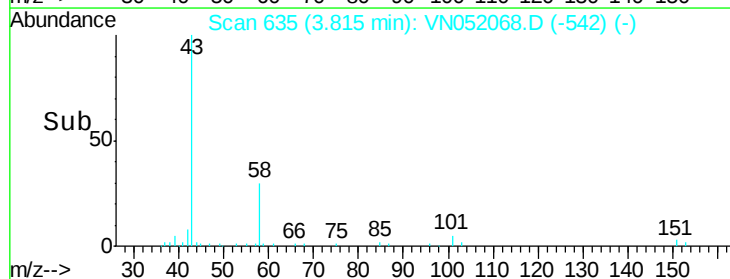
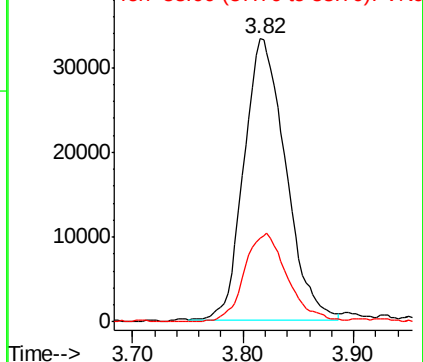
43 100

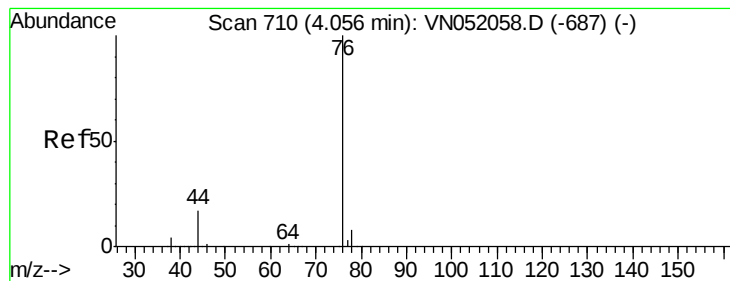
58 29.7 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.81 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

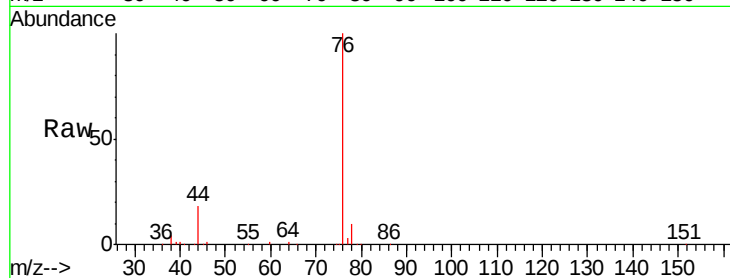
VN1031WBS01

Tgt Ion: 76 Resp: 181185

Ion Ratio Lower Upper

76 100

78 10.1 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

60000

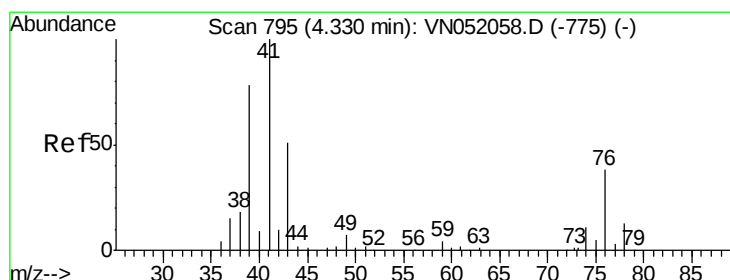
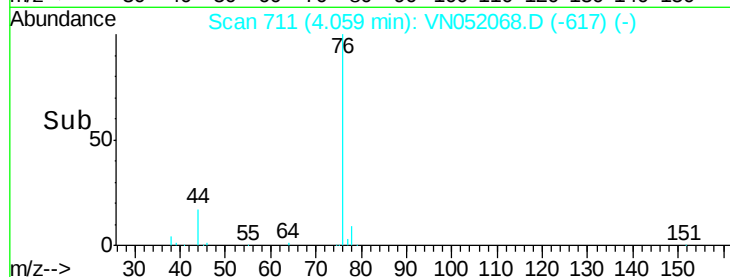
40000

20000

0

Time-->

4.00 4.10



#18

Methyl Acetate

Concen: 16.20 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052068.D

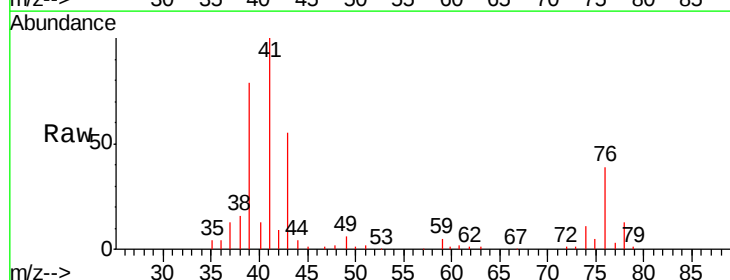
Acq: 31 Oct 2018 12:44

Tgt Ion: 43 Resp: 57627

Ion Ratio Lower Upper

43 100

74 21.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

20000

15000

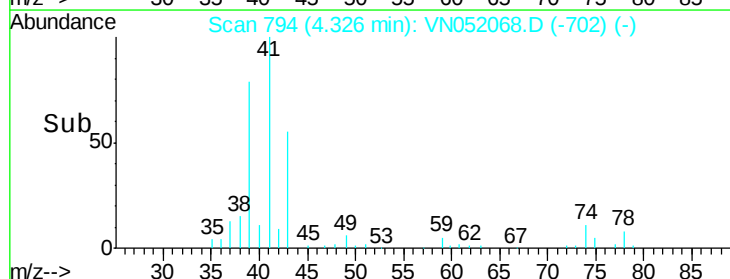
10000

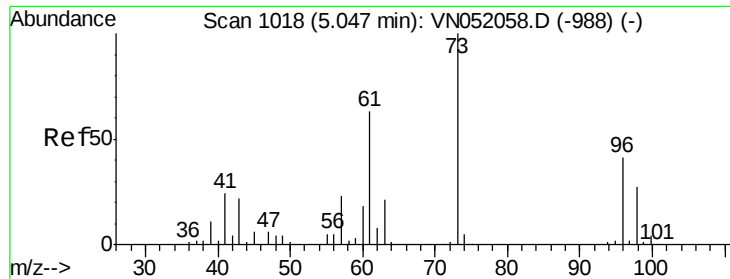
5000

0

Time-->

4.20 4.30 4.40

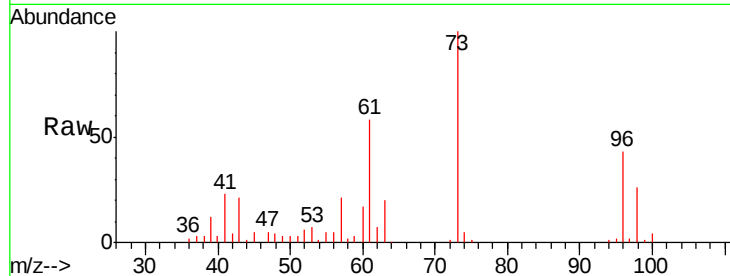




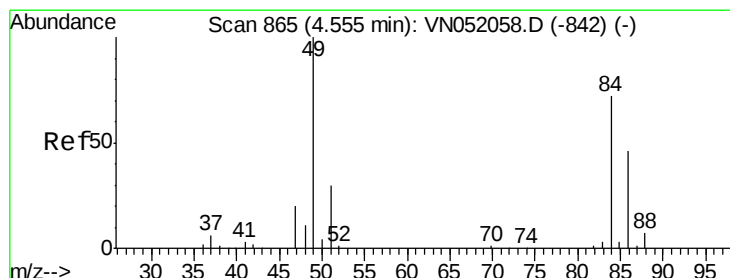
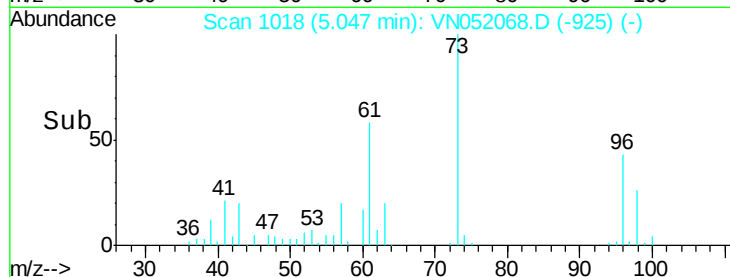
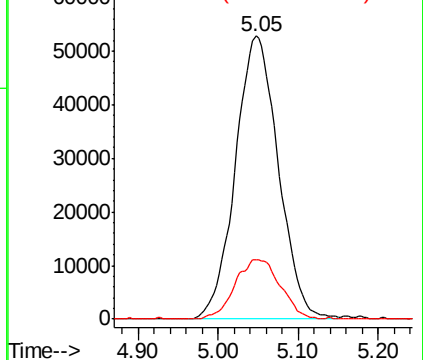
#19
Methyl tert-butyl Ether
Concen: 17.18 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 73 Resp: 193051
Ion Ratio Lower Upper
73 100
57 21.0 18.7 28.1

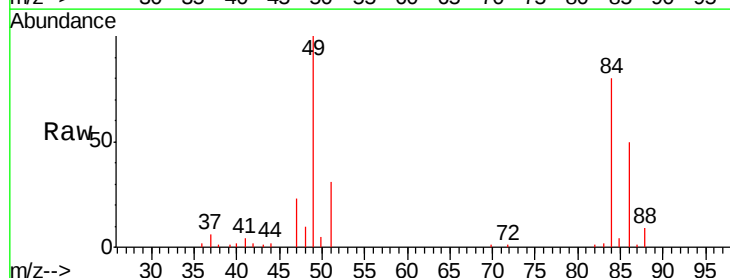


Abundance Ion 73.00 (72.70 to 73.70): VNC
Ion 57.00 (56.70 to 57.70): VNC

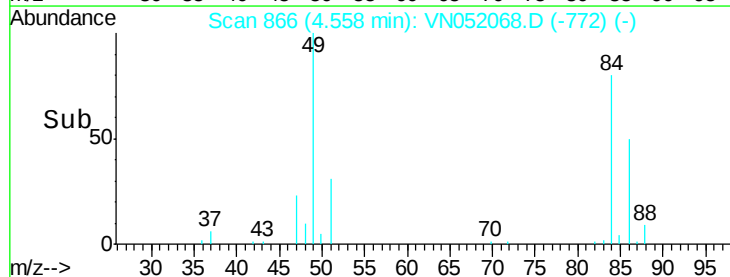
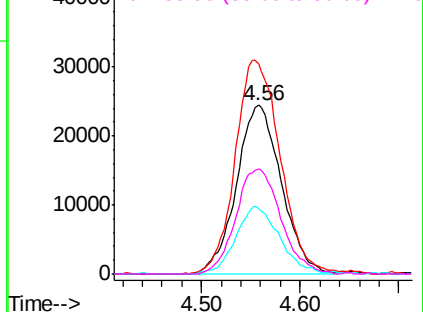


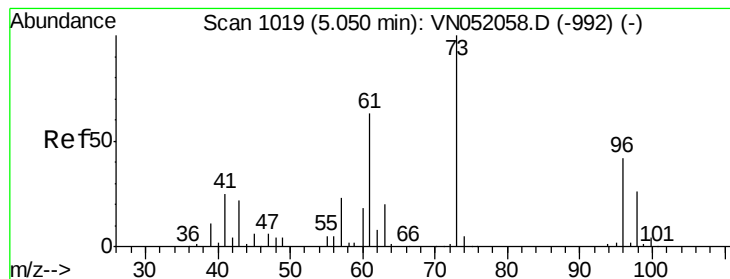
#20
Methylene Chloride
Concen: 18.08 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 84 Resp: 76964
Ion Ratio Lower Upper
84 100
49 124.9 110.6 165.8
51 39.1 33.7 50.5
86 62.5 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC





#21

trans-1,2-Dichloroethene

Concen: 18.35 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

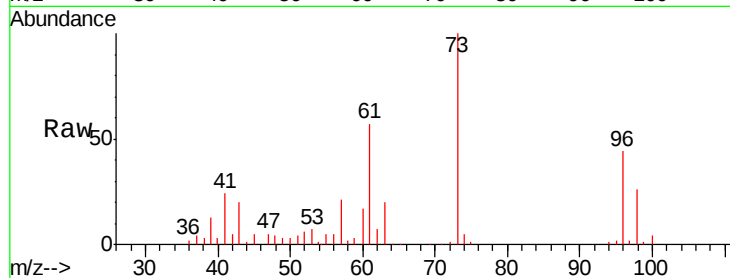
Tgt Ion: 96 Resp: 71599

Ion Ratio Lower Upper

96 100

61 129.3 118.6 178.0

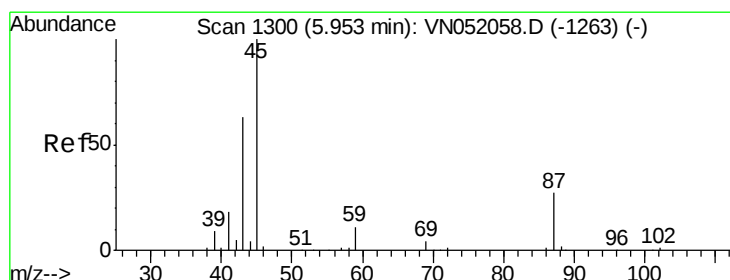
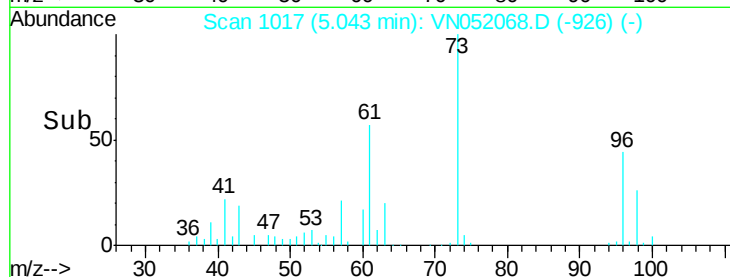
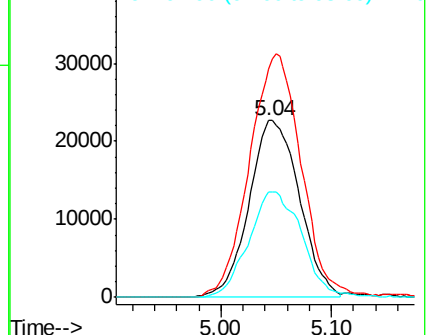
98 59.8 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VN052058.D (-992) (-)

Ion 60.90 (60.60 to 61.60): VN052058.D (-992) (-)

Ion 97.90 (97.60 to 98.60): VN052058.D (-992) (-)



#22

Diisopropyl ether

Concen: 16.73 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Tgt Ion: 45 Resp: 247650

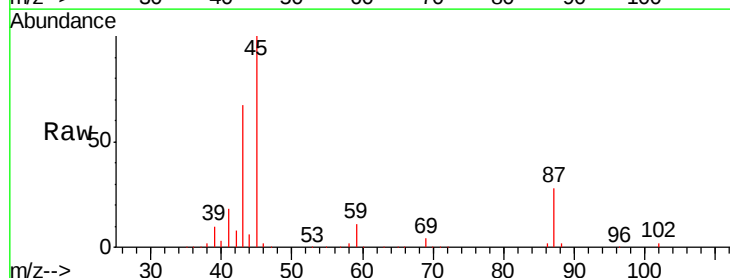
Ion Ratio Lower Upper

45 100

43 65.3 50.5 75.7

87 27.6 21.5 32.3

59 10.2 8.6 13.0

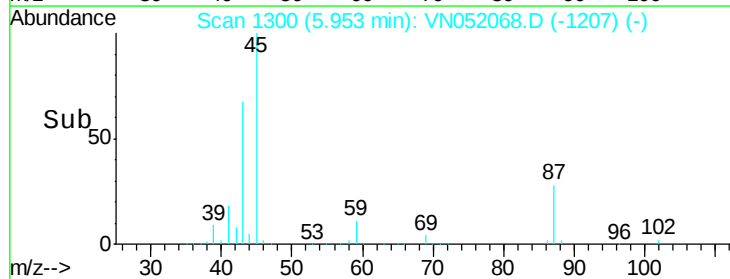
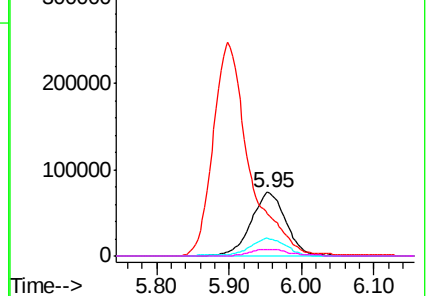


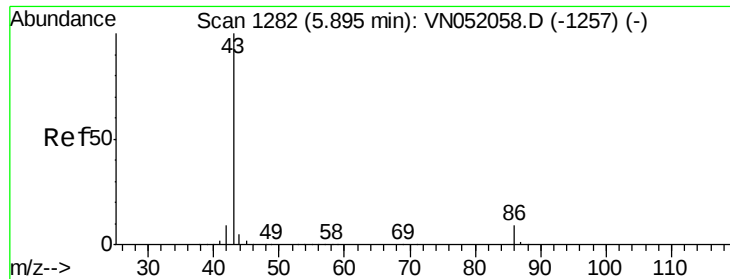
Abundance Ion 45.00 (44.70 to 45.70): VN052058.D (-1263) (-)

Ion 43.00 (42.70 to 43.70): VN052058.D (-1263) (-)

Ion 87.00 (86.70 to 87.70): VN052058.D (-1263) (-)

Ion 59.00 (58.70 to 59.70): VN052058.D (-1263) (-)

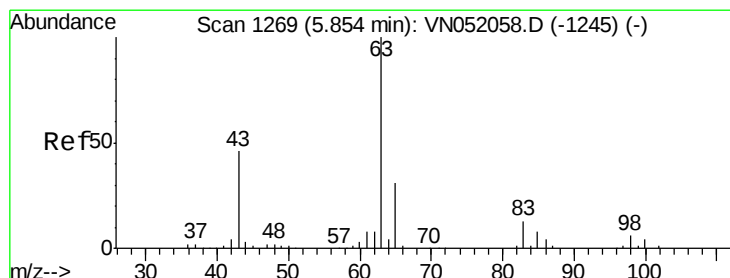
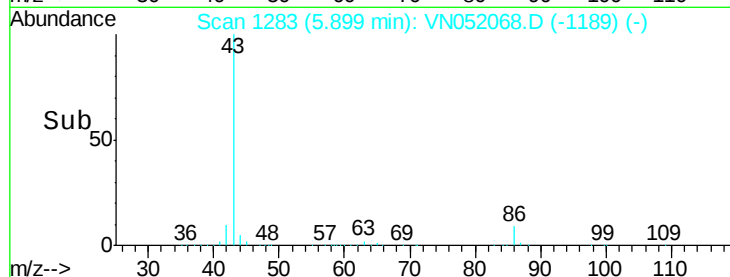
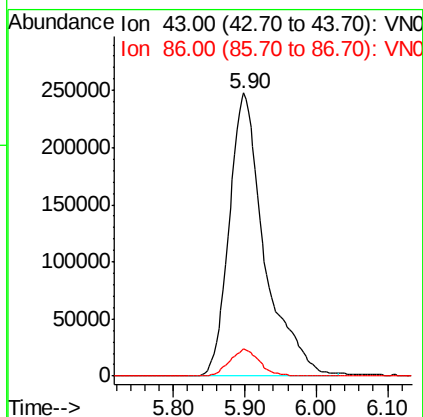
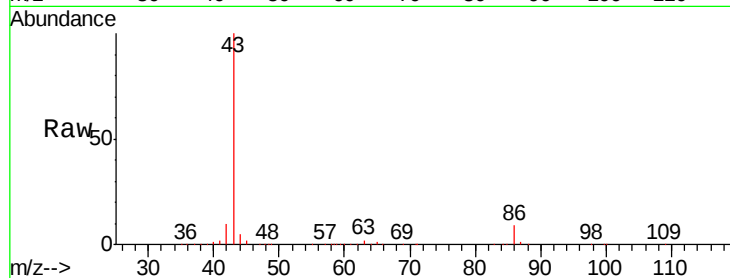




#23
 Vinyl Acetate
 Concen: 83.19 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

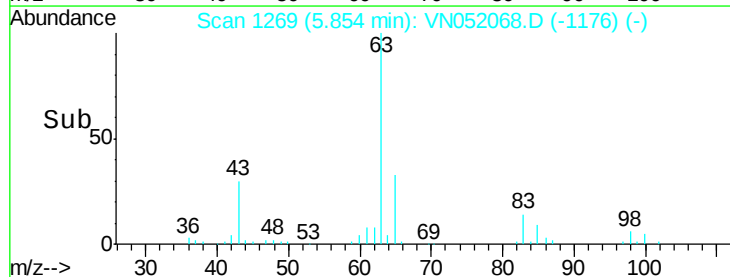
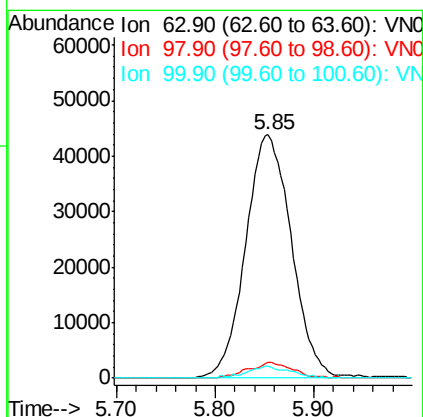
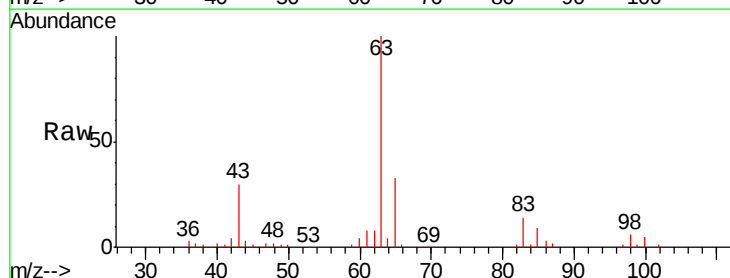
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

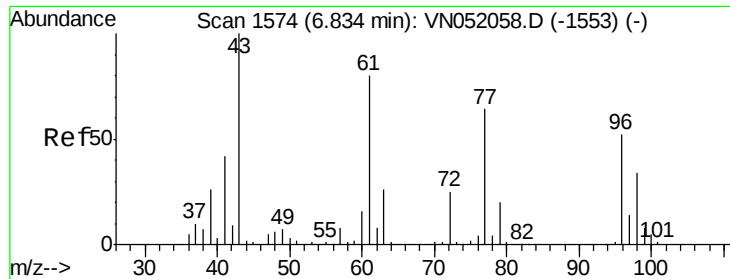
Tgt Ion: 43 Resp: 853051
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 16.98 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 63 Resp: 140491
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.8 8.4
 100 4.8 2.0 6.0

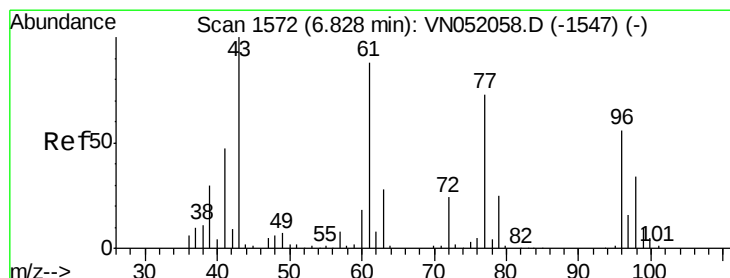
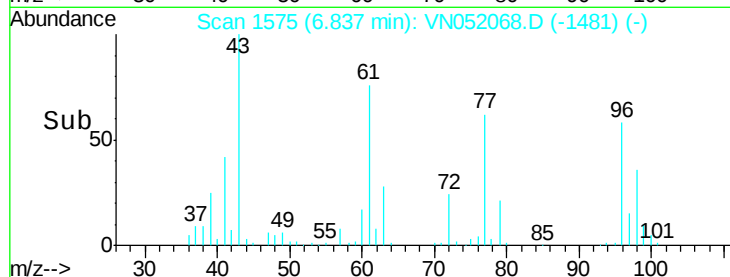
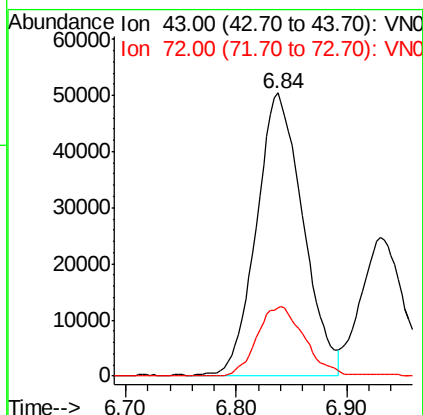
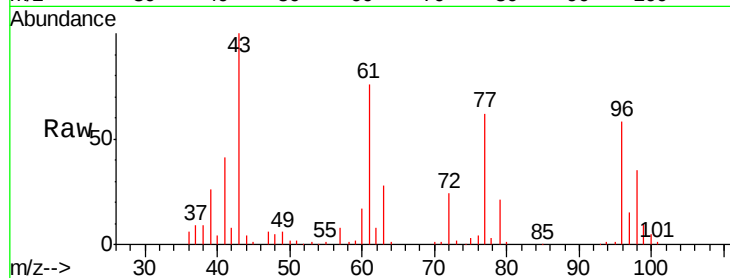




#25
2-Butanone
Concen: 84.63 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

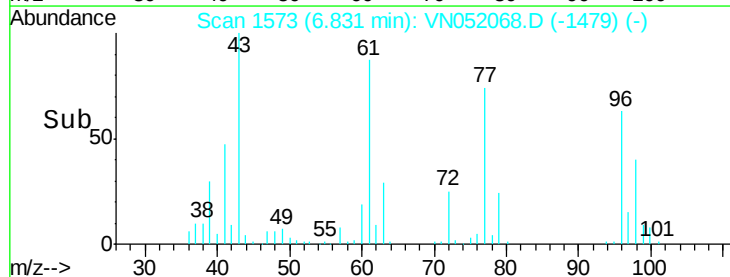
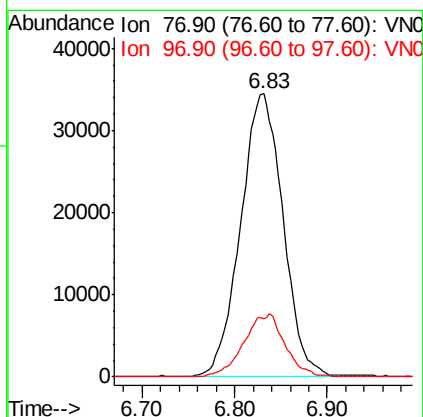
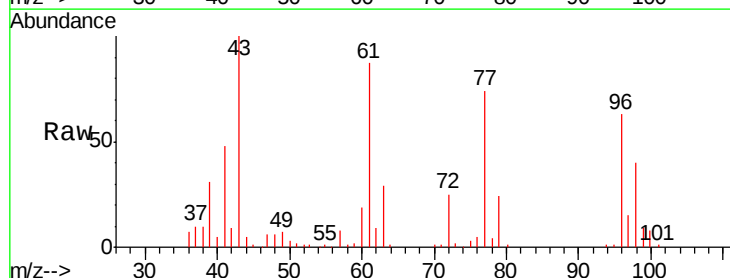
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

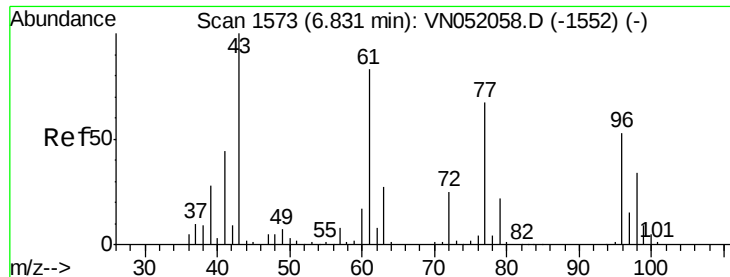
Tgt Ion: 43 Resp: 148283
Ion Ratio Lower Upper
43 100
72 24.0 20.2 30.2



#26
2,2-Dichloropropane
Concen: 16.67 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 77 Resp: 109591
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.20 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

VN1031WBS01

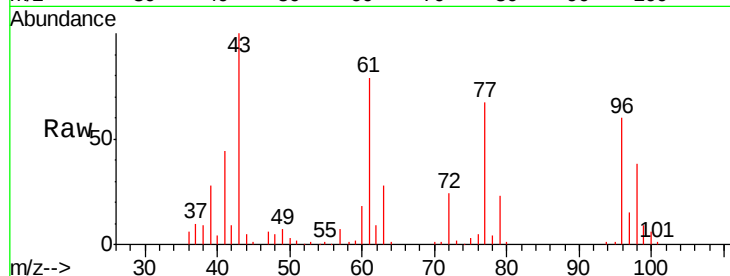
Tgt Ion: 96 Resp: 84789

Ion Ratio Lower Upper

96 100

61 145.8 0.0 312.8

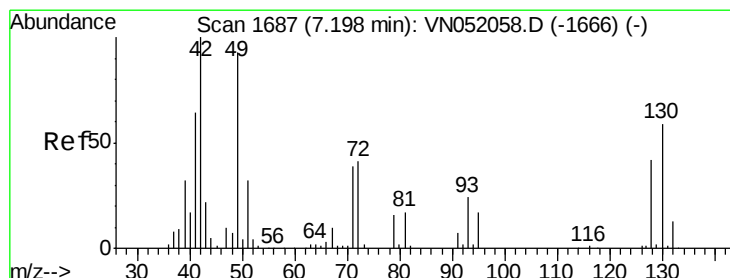
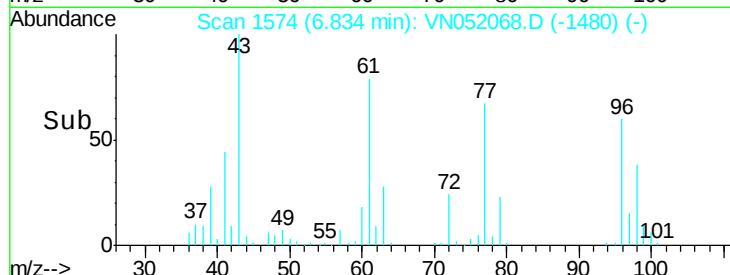
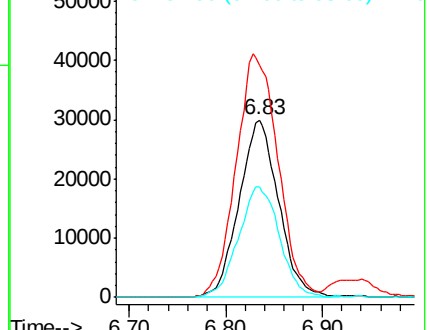
98 64.6 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 14.90 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

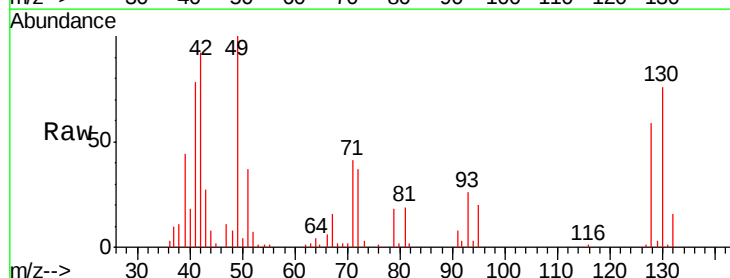
Tgt Ion: 49 Resp: 61116

Ion Ratio Lower Upper

49 100

129 0.6 0.0 2.4

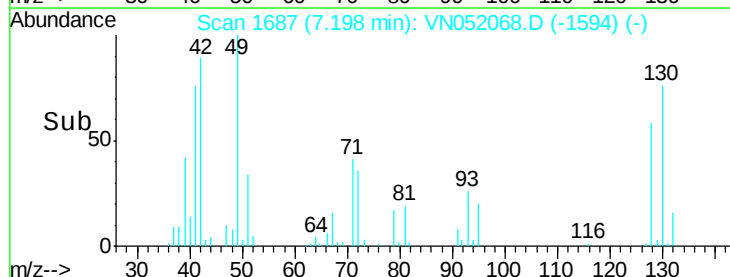
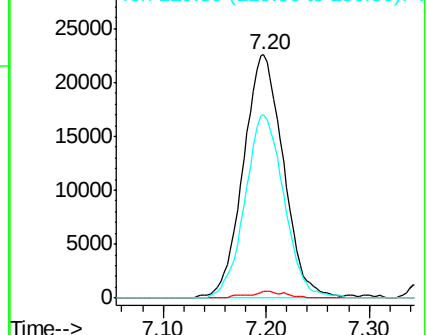
130 73.4 50.8 76.2

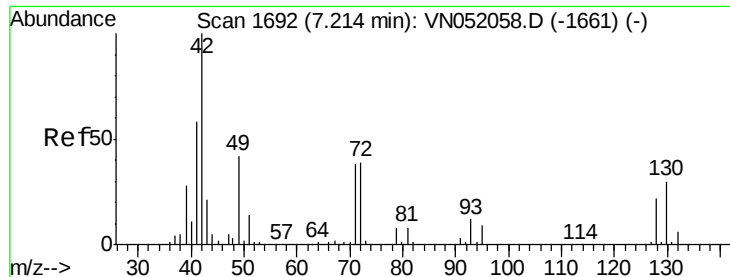


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

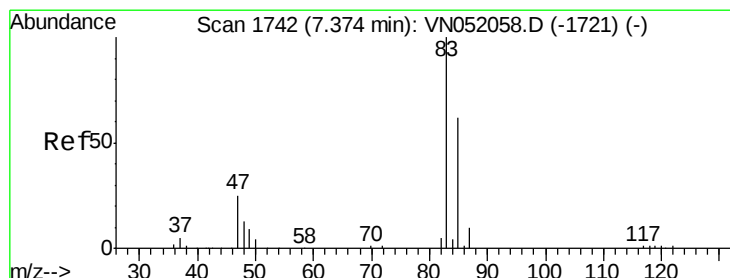
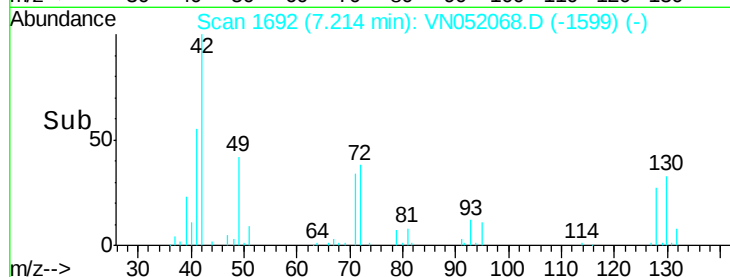
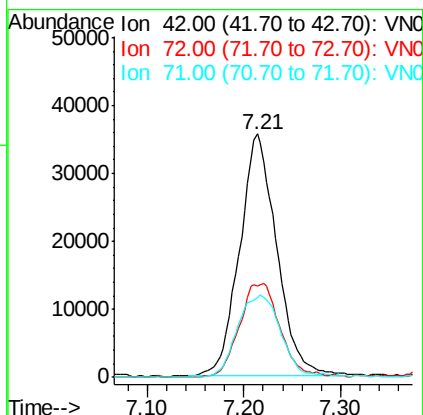
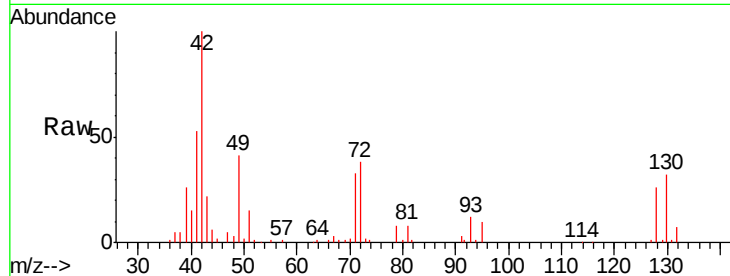




#29
Tetrahydrofuran
Concen: 81.18 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

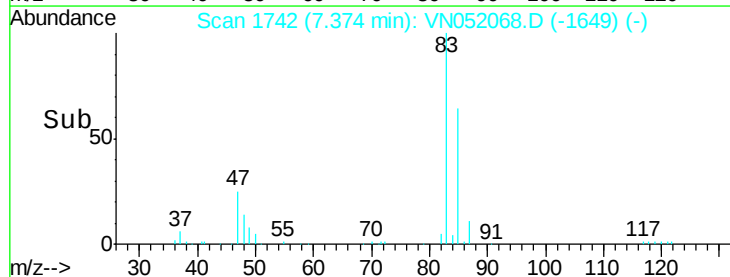
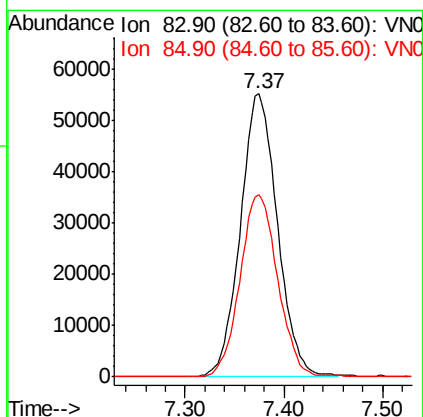
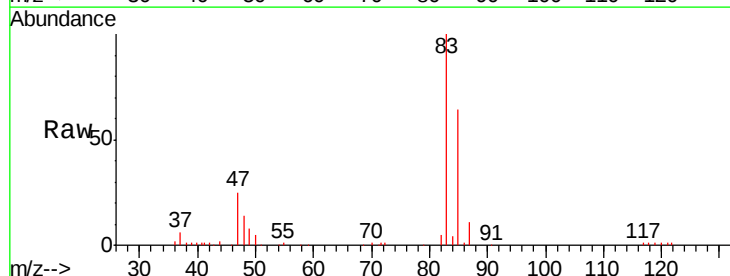
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

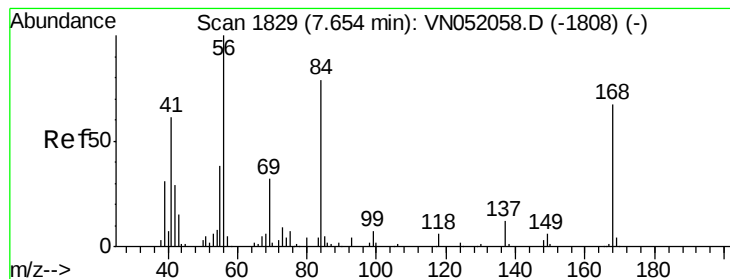
Tgt Ion: 42 Resp: 94762
Ion Ratio Lower Upper
42 100
72 42.6 32.5 48.7
71 40.0 30.6 46.0



#30
Chloroform
Concen: 17.36 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 83 Resp: 143433
Ion Ratio Lower Upper
83 100
85 64.3 49.6 74.4





#31

Cyclohexane

Concen: 15.36 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

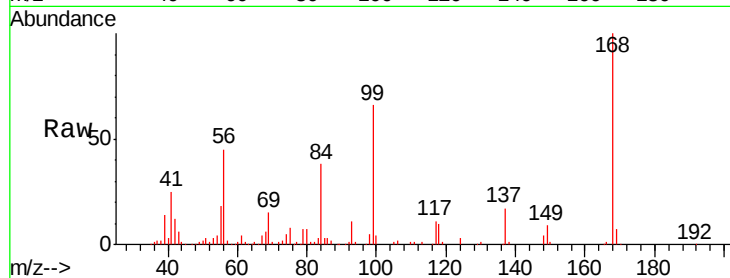
Tgt Ion: 56 Resp: 133526

Ion Ratio Lower Upper

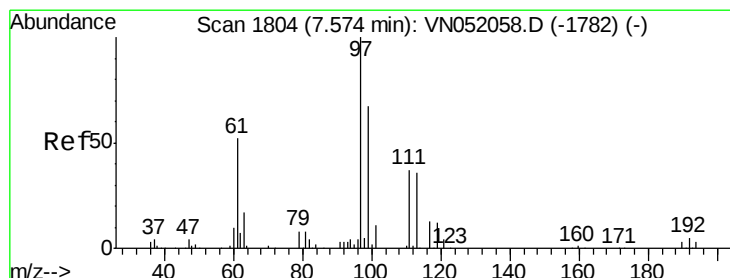
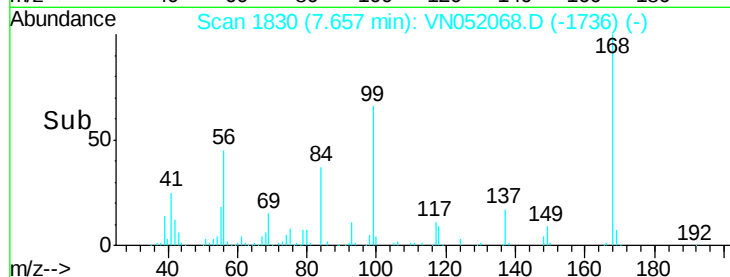
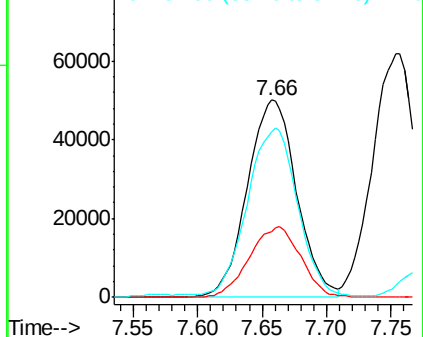
56 100

69 33.5 25.8 38.6

84 82.4 63.5 95.3



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.06 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

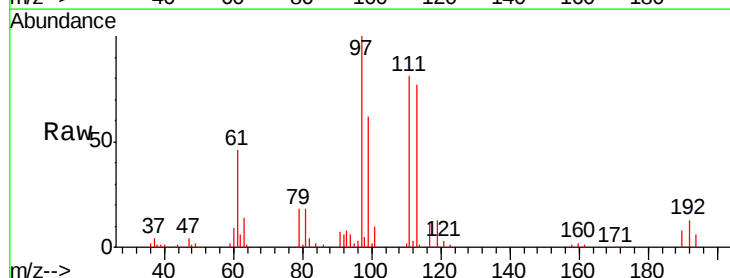
Tgt Ion: 97 Resp: 119959

Ion Ratio Lower Upper

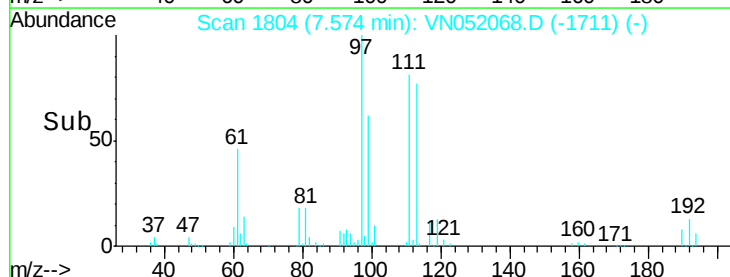
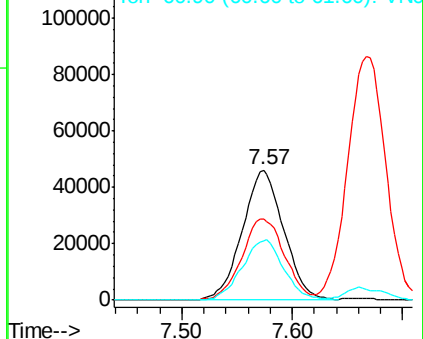
97 100

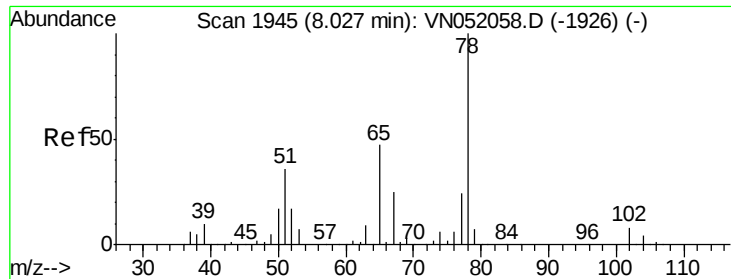
99 64.6 51.4 77.2

61 46.3 40.3 60.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 18.06 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

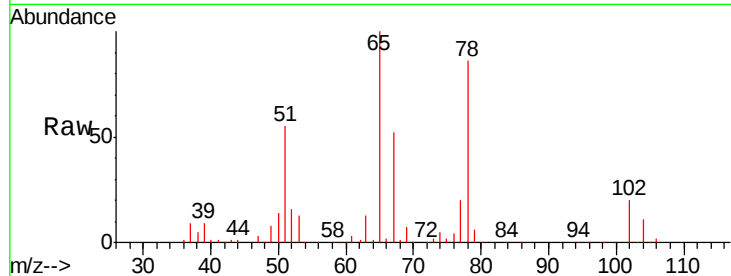
VN1031WBS01

Tgt Ion: 65 Resp: 211876

Ion Ratio Lower Upper

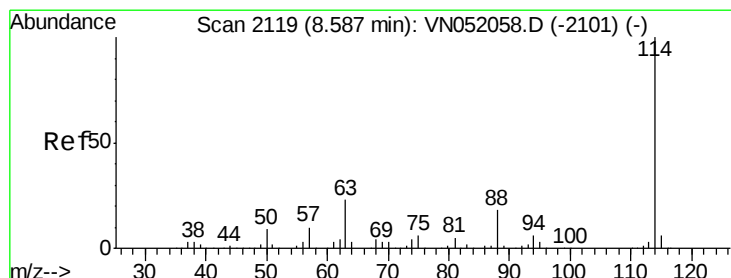
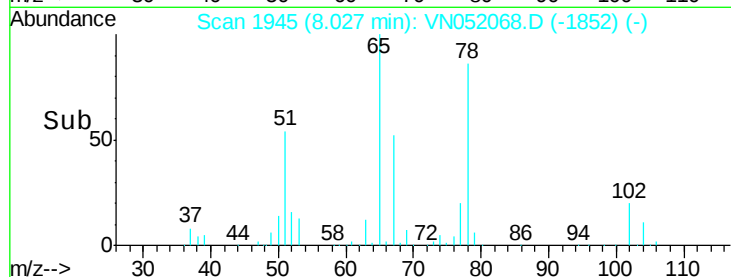
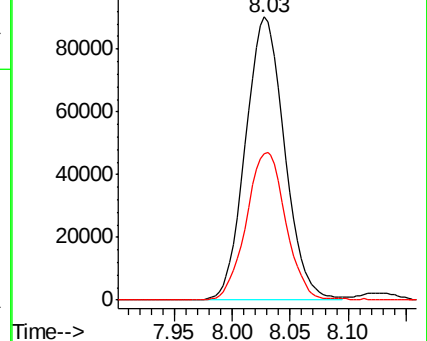
65 100

67 52.7 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052068.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052068.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

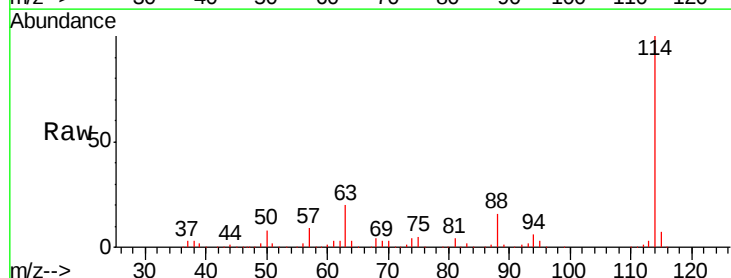
Tgt Ion: 114 Resp: 587743

Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.0

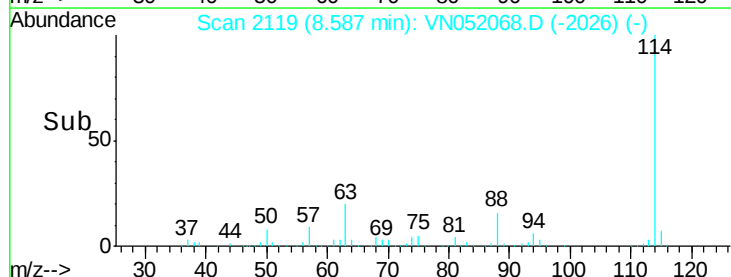
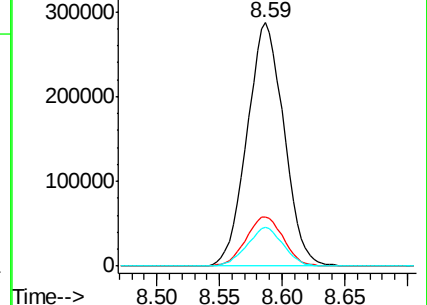
88 15.9 0.0 35.4

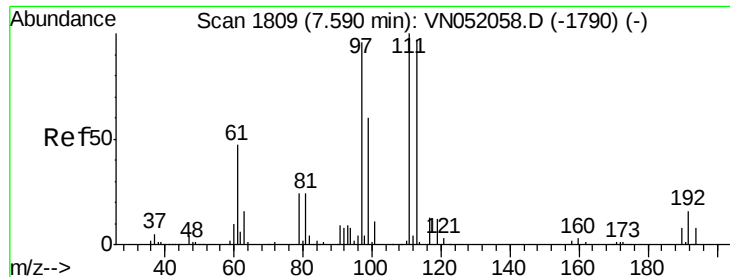


Abundance Ion 113.90 (113.60 to 114.60): VN052068.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN052068.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN052068.D (-2026) (-)

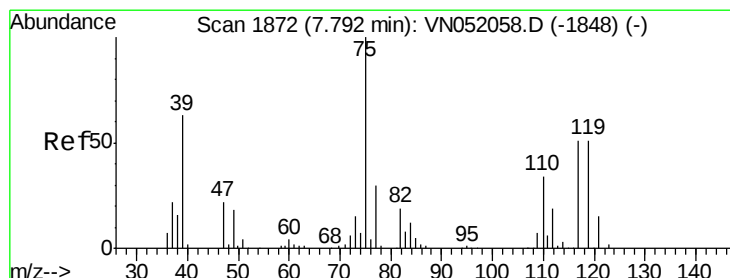
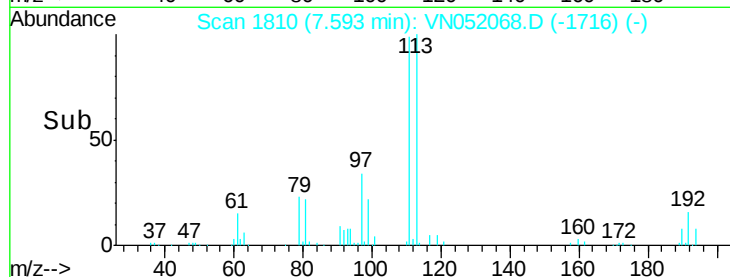
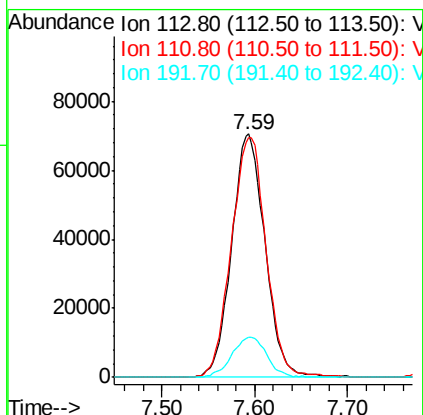
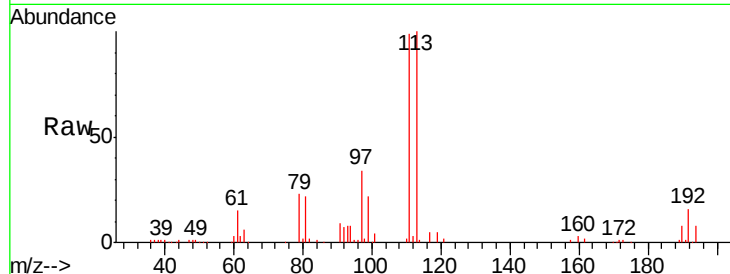




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

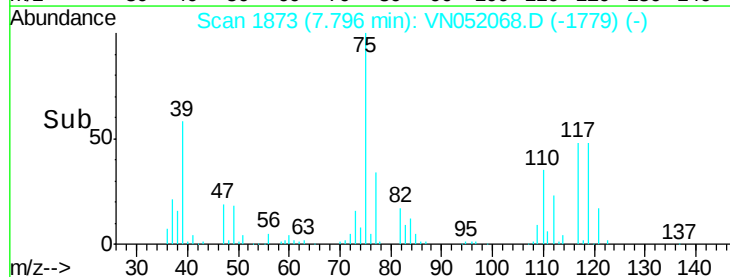
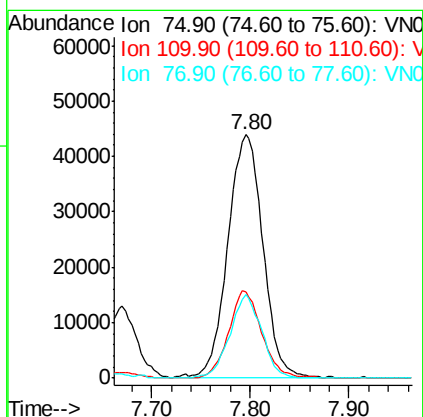
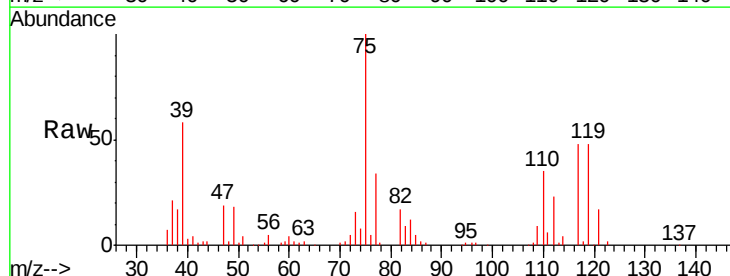
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

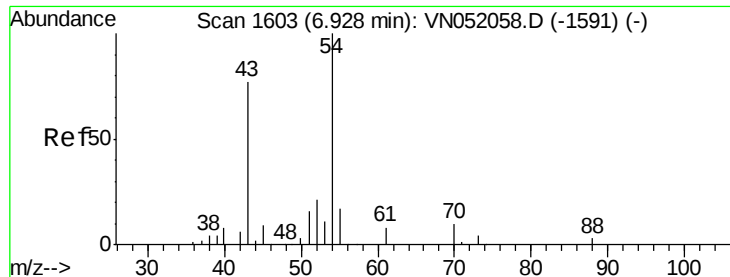
Tgt Ion: 113 Resp: 176256
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.1 124.7
 192 17.0 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 18.24 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 75 Resp: 109017
 Ion Ratio Lower Upper
 75 100
 110 33.7 16.0 48.0
 77 31.0 24.5 36.7

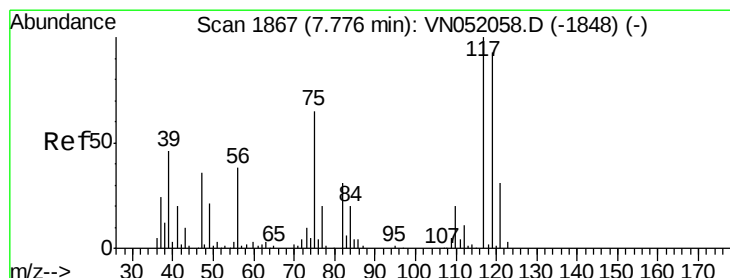
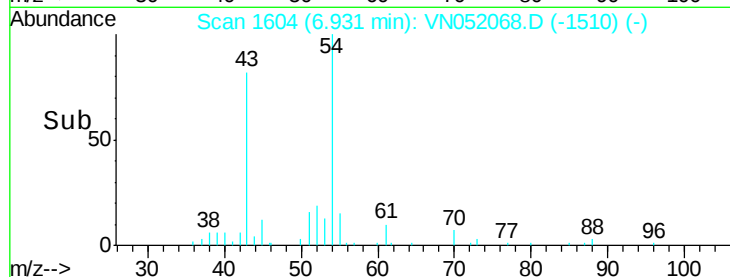
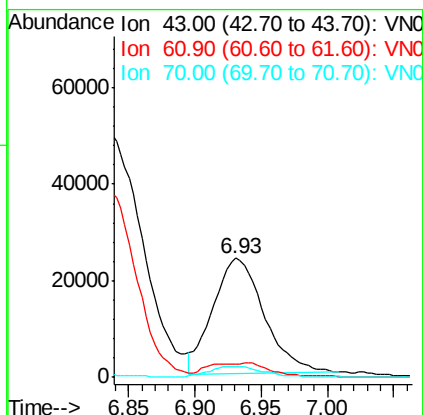
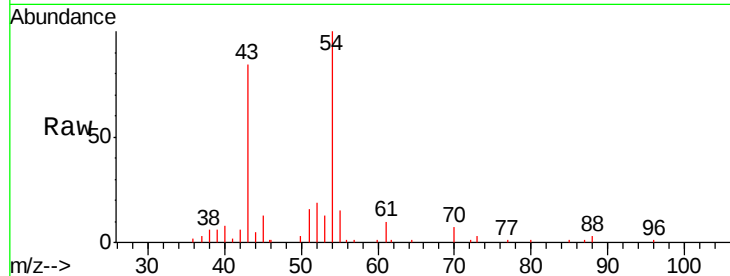




#37
Ethyl Acetate
 Concen: 16.13 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

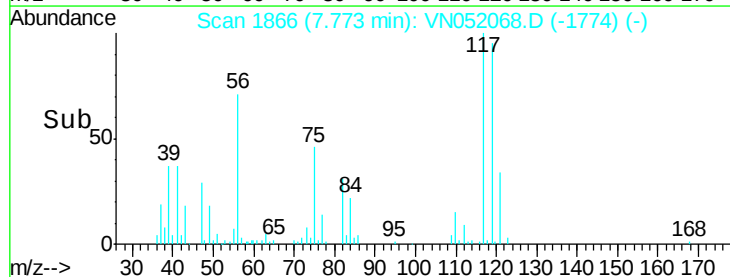
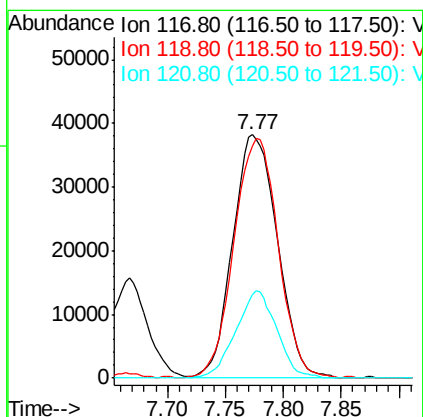
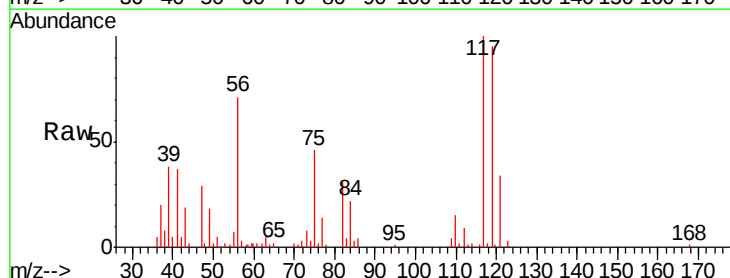
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

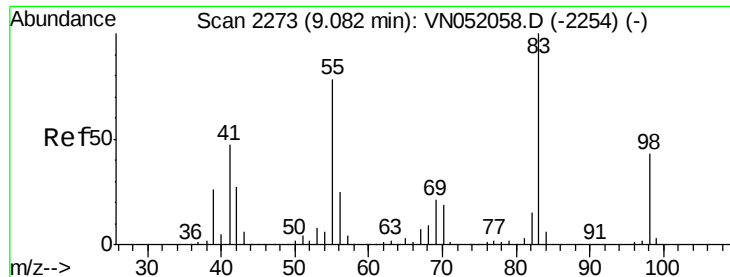
Tgt Ion: 43 Resp: 64517
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 4.4 8.6 12.8#



#38
Carbon Tetrachloride
 Concen: 19.85 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 117 Resp: 102309
 Ion Ratio Lower Upper
 117 100
 119 95.0 74.8 112.2
 121 34.2 25.1 37.7

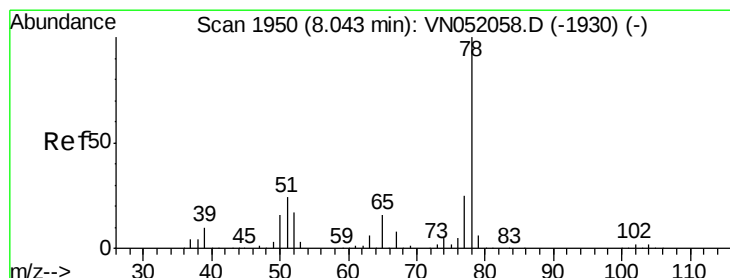
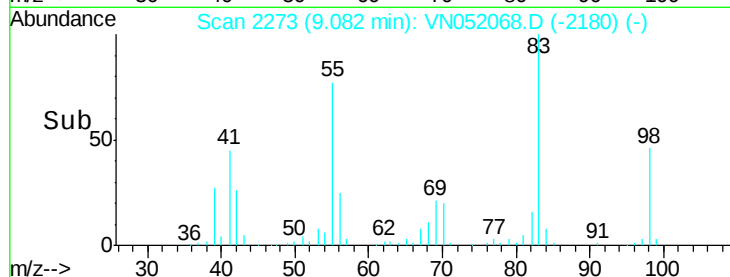
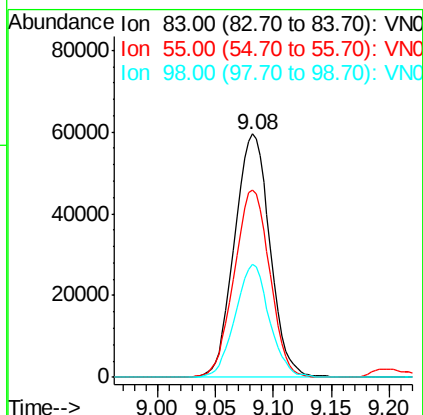
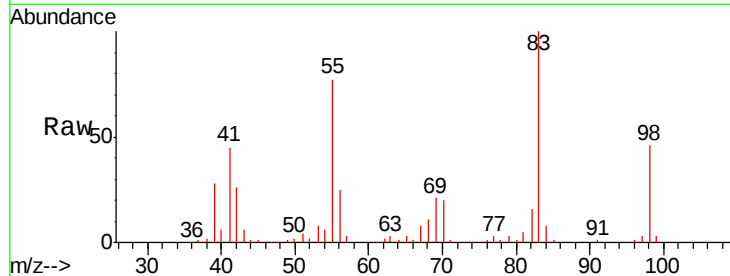




#39
Methylcyclohexane
Concen: 17.84 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

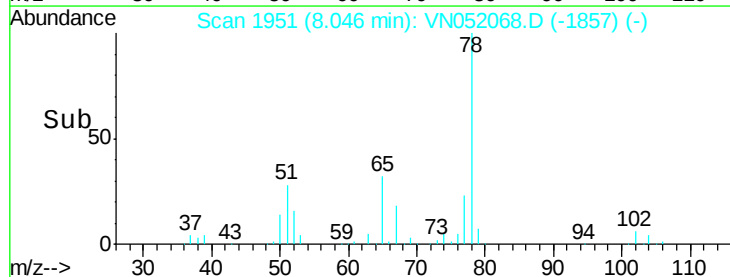
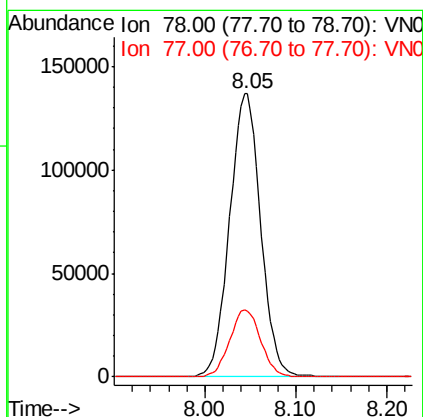
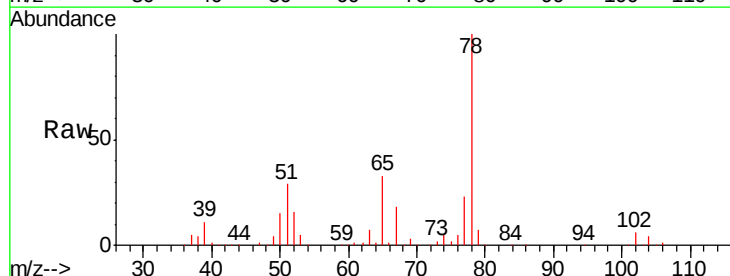
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

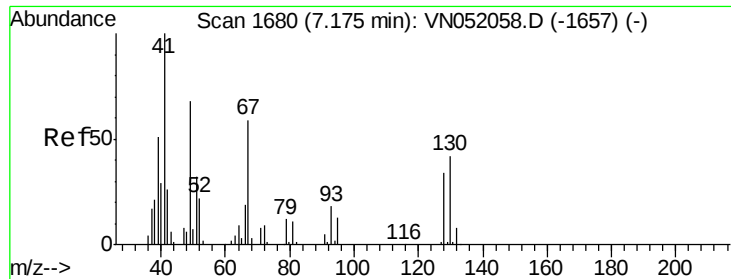
Tgt Ion: 83 Resp: 126537
Ion Ratio Lower Upper
83 100
55 77.0 62.0 93.0
98 46.4 34.7 52.1



#40
Benzene
Concen: 18.74 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 78 Resp: 323883
Ion Ratio Lower Upper
78 100
77 23.4 19.8 29.6

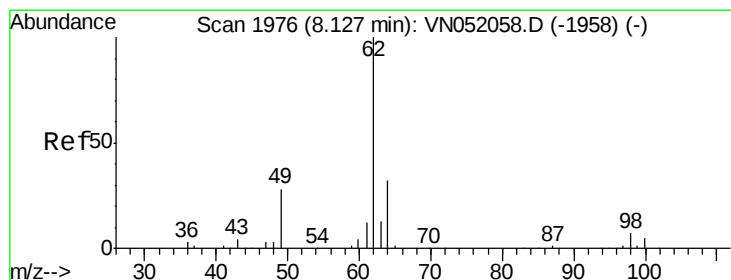
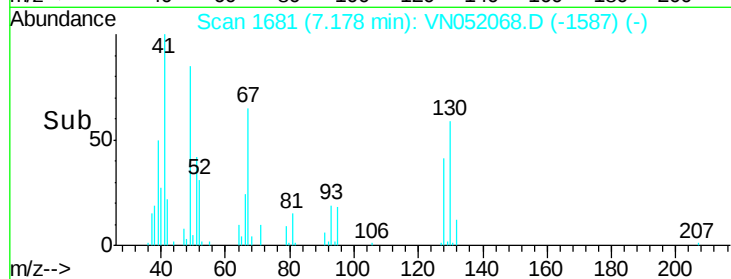
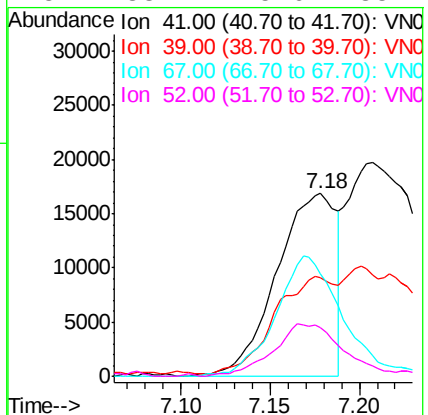
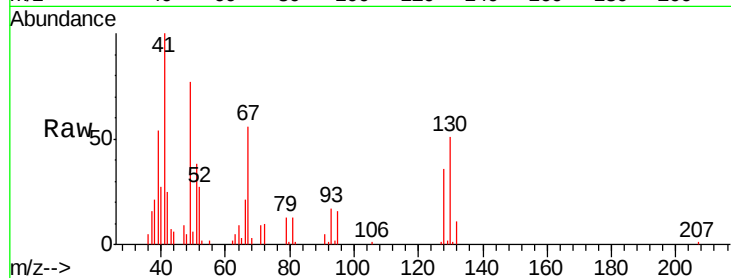




#41
Methacrylonitrile
Concen: 18.98 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

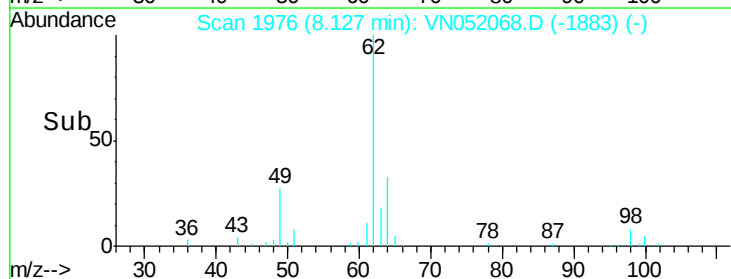
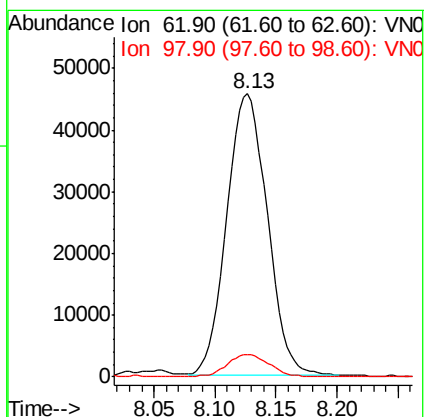
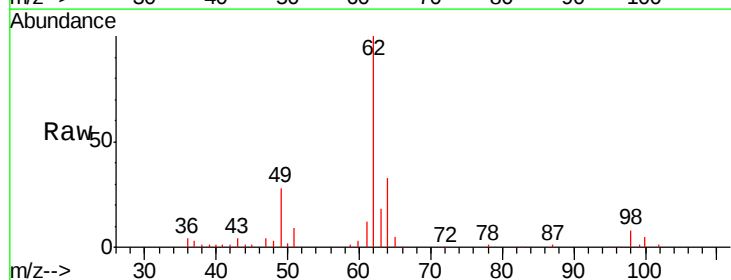
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

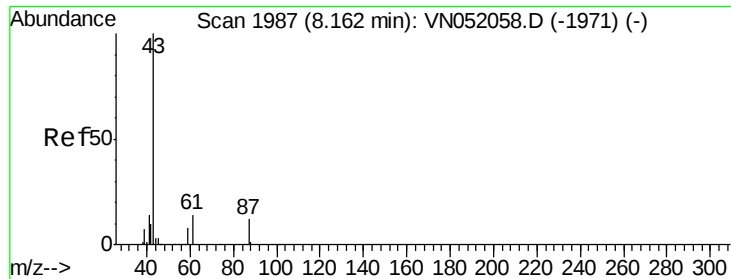
Tgt Ion: 41 Resp: 39000
Ion Ratio Lower Upper
41 100
39 55.0 33.2 49.8#
67 74.0 63.5 95.3
52 33.4 25.6 38.4



#42
1,2-Dichloroethane
Concen: 16.55 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 62 Resp: 105581
Ion Ratio Lower Upper
62 100
98 8.3 0.0 15.2





#43

Isopropyl Acetate

Concen: 16.91 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

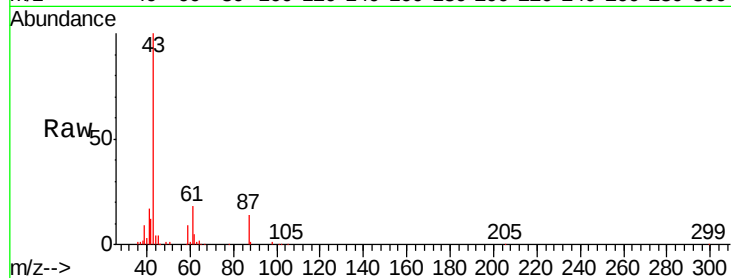
Tgt Ion: 43 Resp: 120333

Ion Ratio Lower Upper

43 100

61 17.6 15.4 23.0

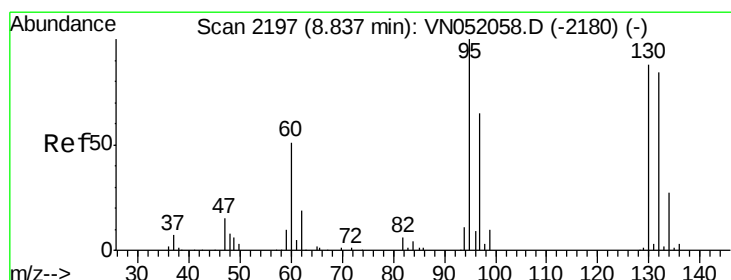
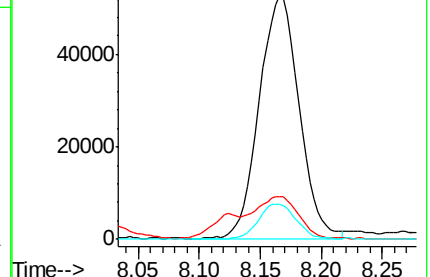
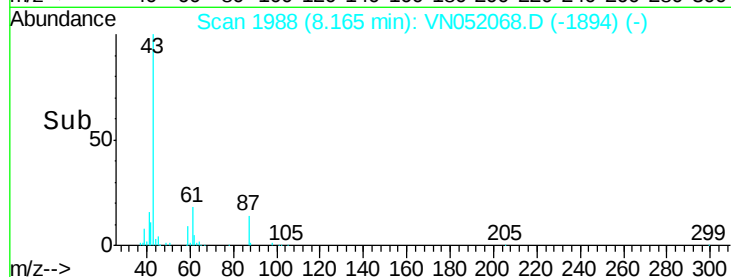
87 13.7 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052058.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052058.D (-1971) (-)



#44

Trichloroethene

Concen: 19.75 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052068.D

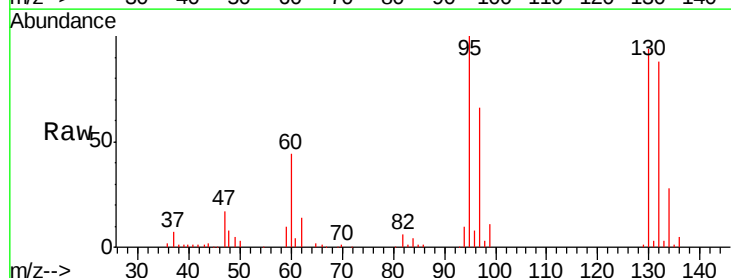
Acq: 31 Oct 2018 12:44

Tgt Ion: 130 Resp: 76359

Ion Ratio Lower Upper

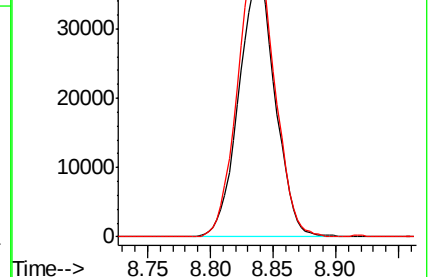
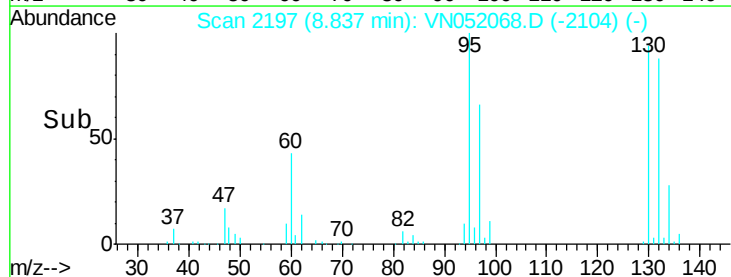
130 100

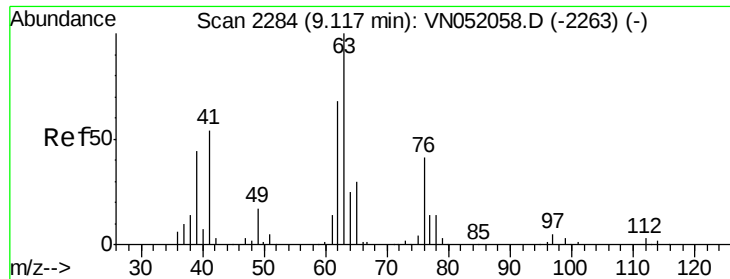
95 106.2 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052058.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052058.D (-2180) (-)

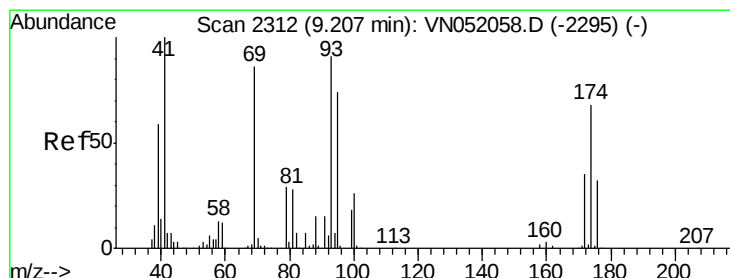
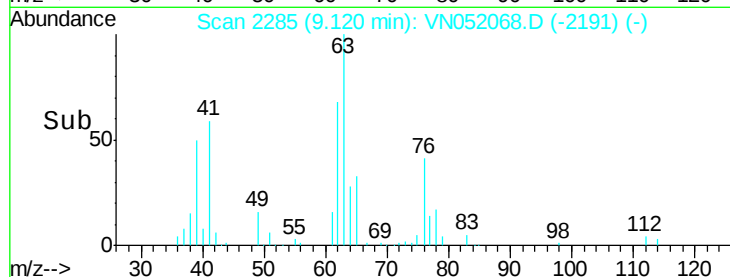
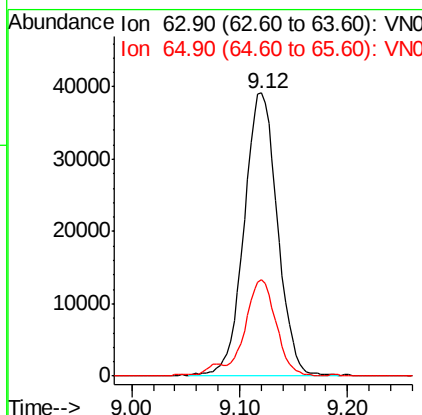
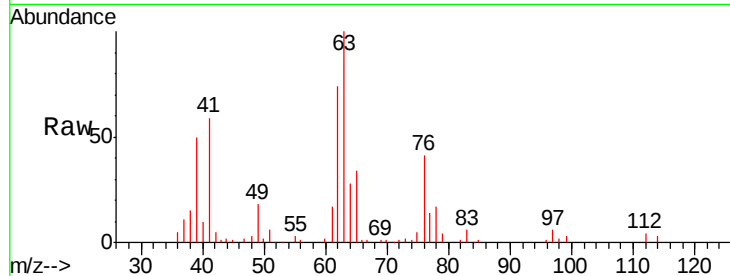




#45
 1,2-Dichloropropane
 Concen: 17.12 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

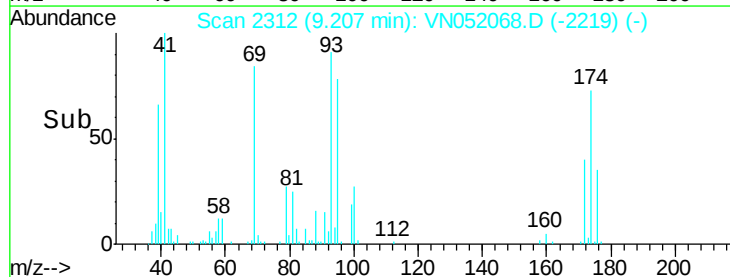
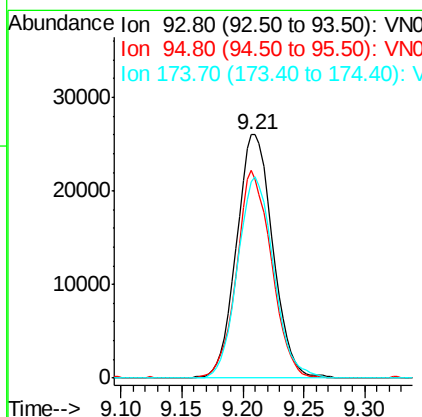
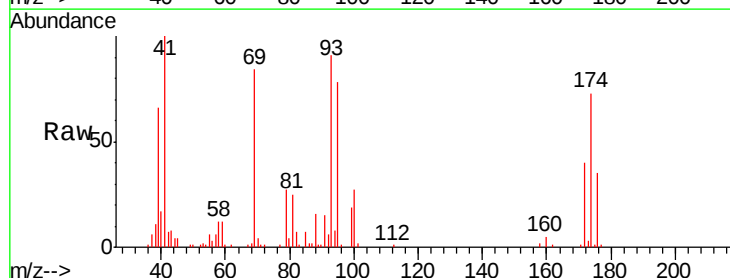
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

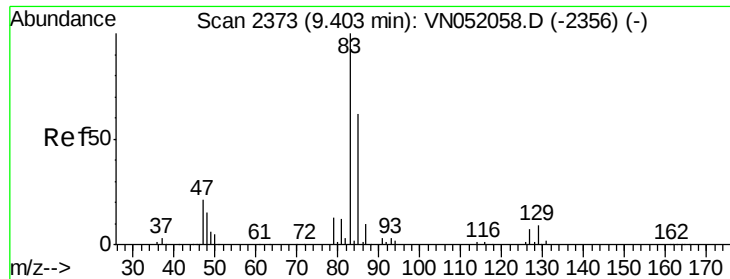
Tgt Ion: 63 Resp: 84317
 Ion Ratio Lower Upper
 63 100
 65 33.5 24.5 36.7



#46
 Dibromomethane
 Concen: 19.45 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 93 Resp: 53542
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.2 100.8
 174 82.1 59.7 89.5





#47

Bromodichloromethane

Concen: 18.57 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

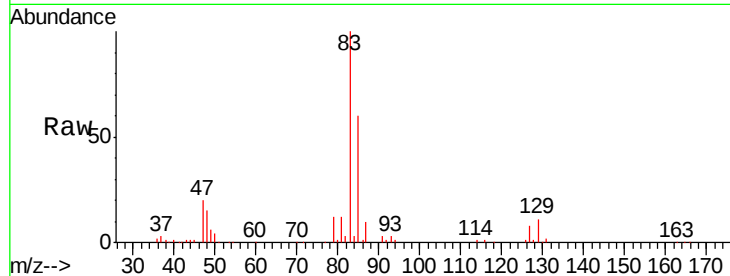
Tgt Ion: 83 Resp: 106565

Ion Ratio Lower Upper

83 100

85 59.7 49.4 74.2

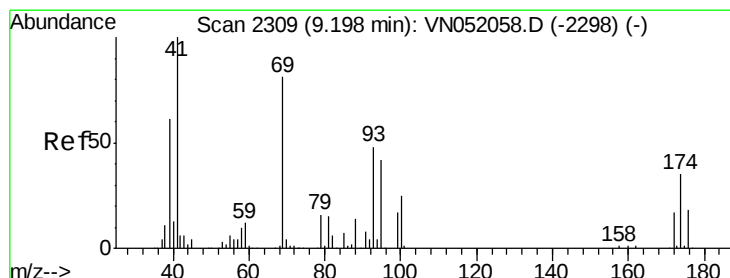
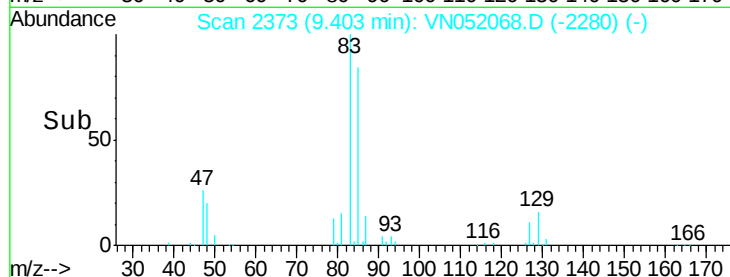
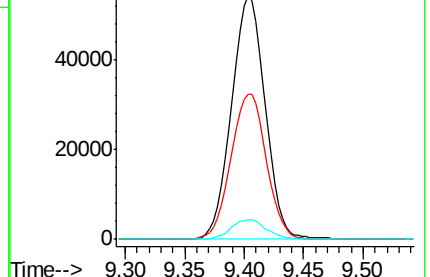
127 7.9 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VN052068.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052068.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052068.D (-2280) (-)



#48

Methyl methacrylate

Concen: 16.80 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

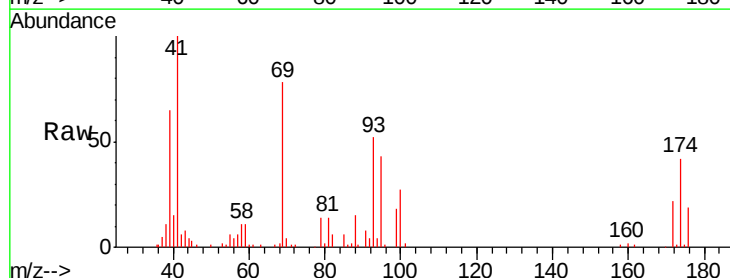
Tgt Ion: 41 Resp: 60591

Ion Ratio Lower Upper

41 100

69 85.0 67.1 100.7

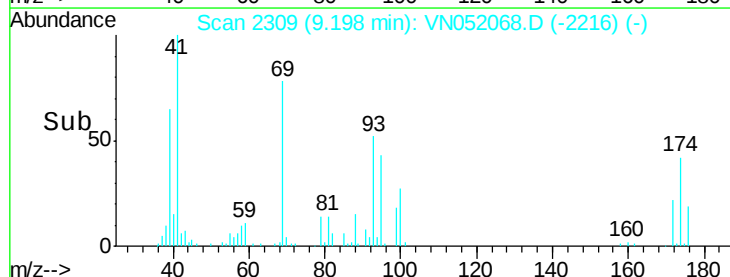
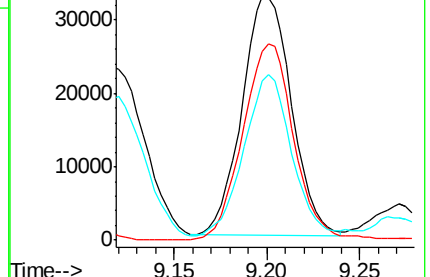
39 68.3 50.5 75.7

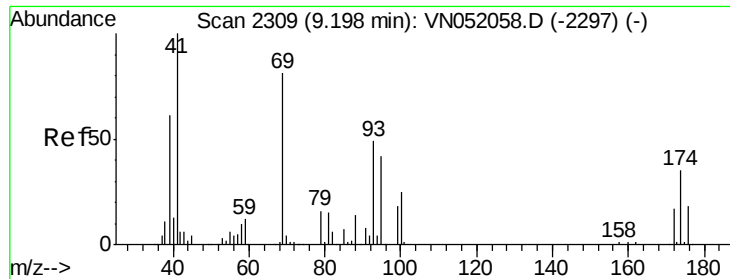


Abundance Ion 41.00 (40.70 to 41.70): VN052068.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052068.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052068.D (-2216) (-)





#49

1,4-Dioxane

Concen: 372.71 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

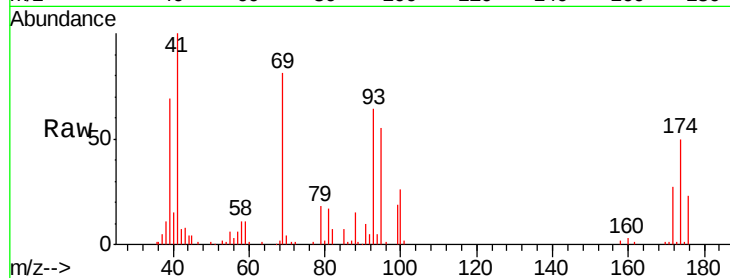
Tgt Ion: 88 Resp: 10785

Ion Ratio Lower Upper

88 100

43 31.4 34.1 51.1#

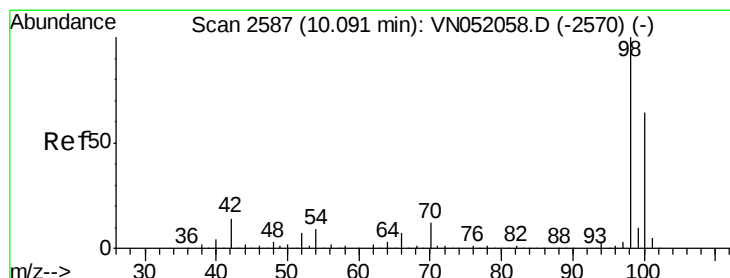
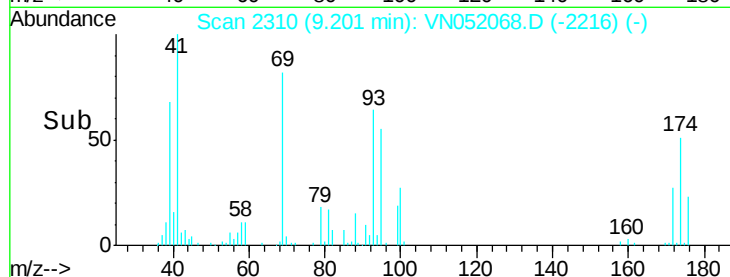
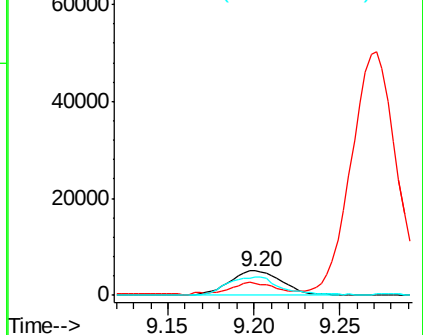
58 75.9 62.8 94.2



Abundance Ion 88.00 (87.70 to 88.70): VN052058.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN052058.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2297) (-)



#50

Toluene-d8

Concen: 372.71 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052068.D

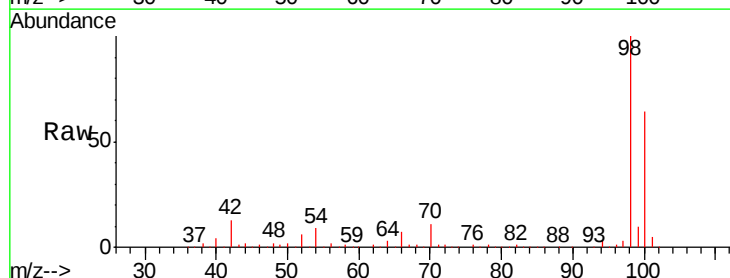
Acq: 31 Oct 2018 12:44

Tgt Ion: 98 Resp: 667617

Ion Ratio Lower Upper

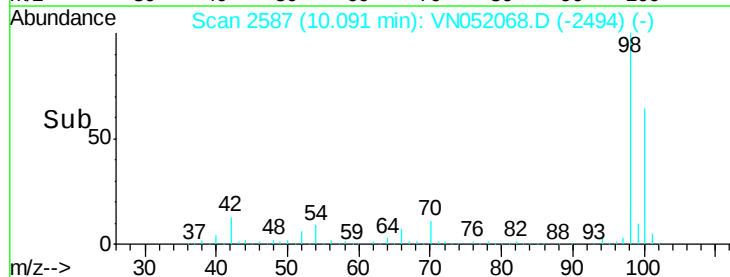
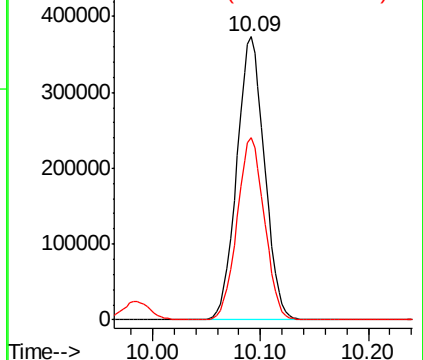
98 100

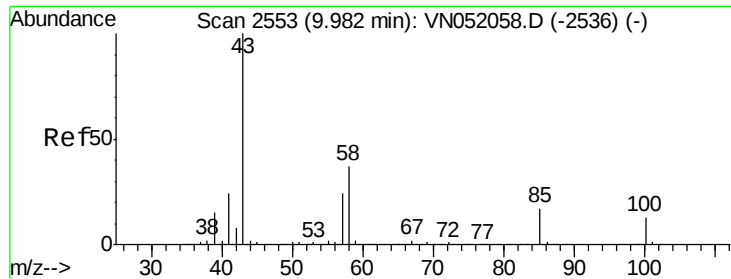
100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052058.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052058.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 86.22 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

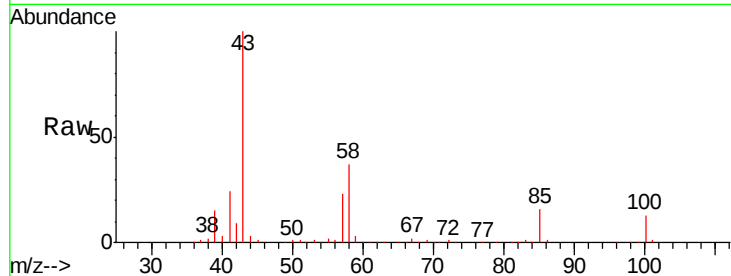
VN1031WBS01

Tgt Ion: 43 Resp: 333419

Ion Ratio Lower Upper

43 100

58 36.8 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

200000

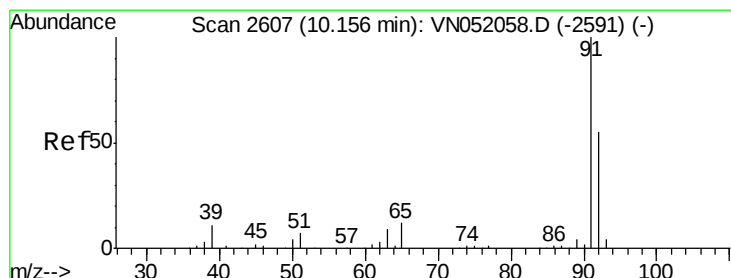
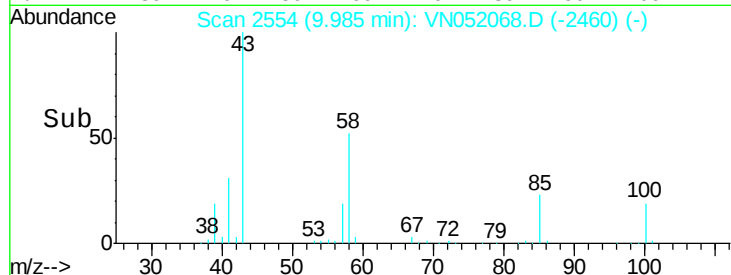
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.17 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052068.D

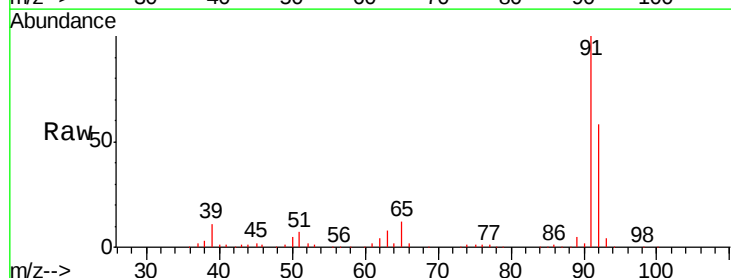
Acq: 31 Oct 2018 12:44

Tgt Ion: 92 Resp: 200038

Ion Ratio Lower Upper

92 100

91 173.5 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

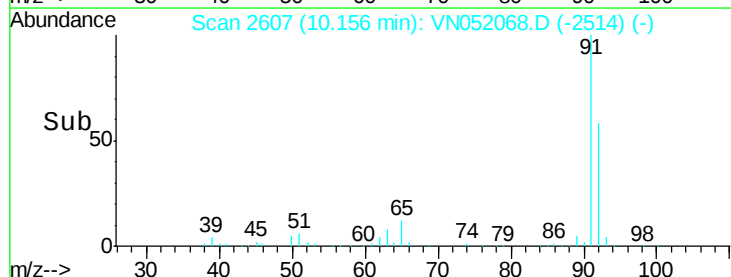
150000

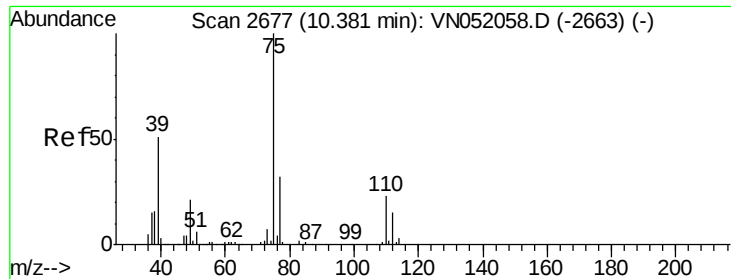
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.79 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

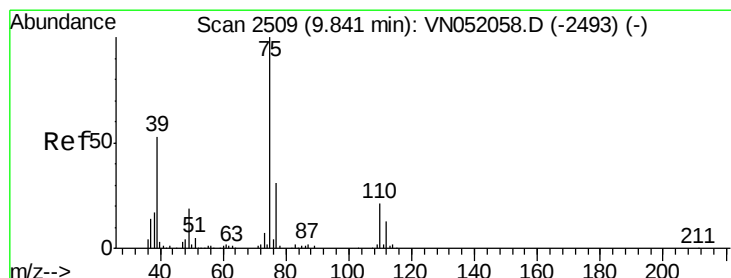
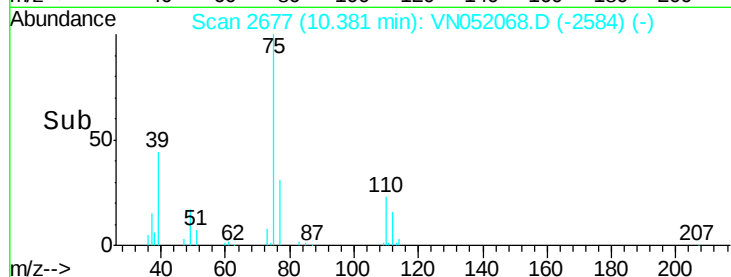
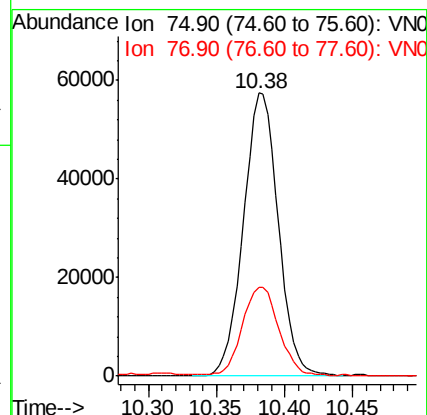
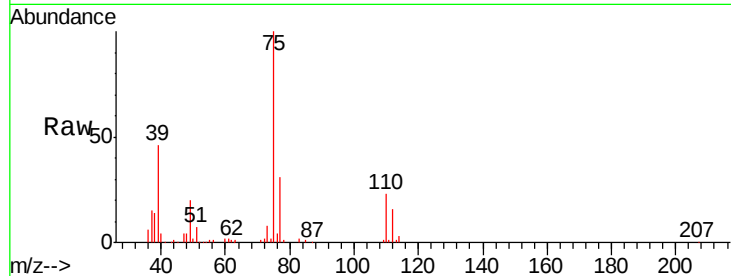
VN1031WBS01

Tgt Ion: 75 Resp: 101912

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 18.01 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

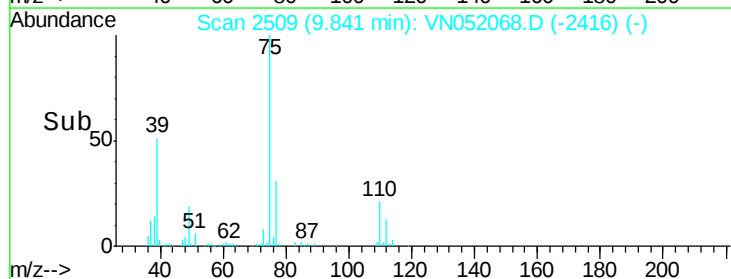
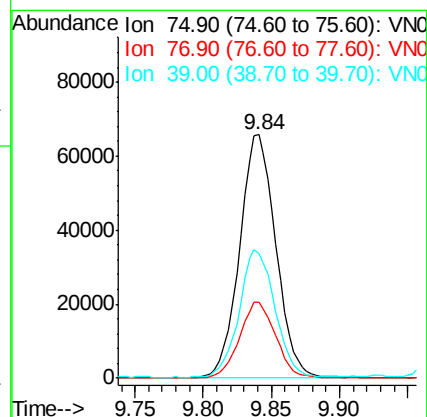
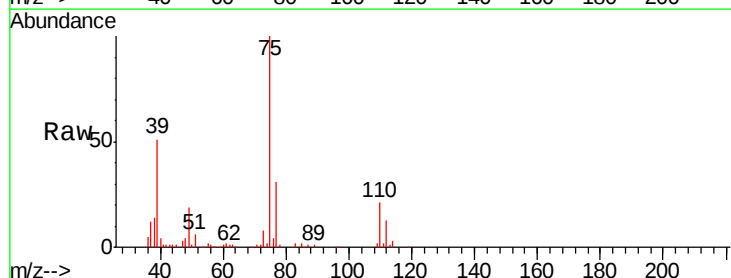
Tgt Ion: 75 Resp: 121385

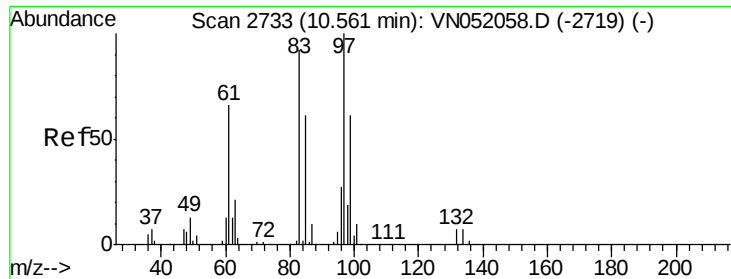
Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

39 50.5 42.3 63.5





#55

1,1,2-Trichloroethane

Concen: 19.32 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 97 Resp: 71789

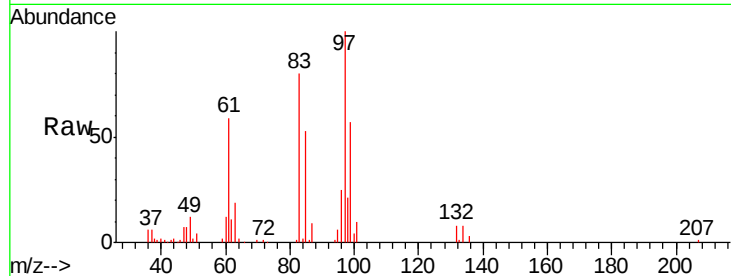
Ion Ratio Lower Upper

97 100

83 79.7 73.8 110.8

85 53.0 48.4 72.6

99 57.1 48.6 72.8

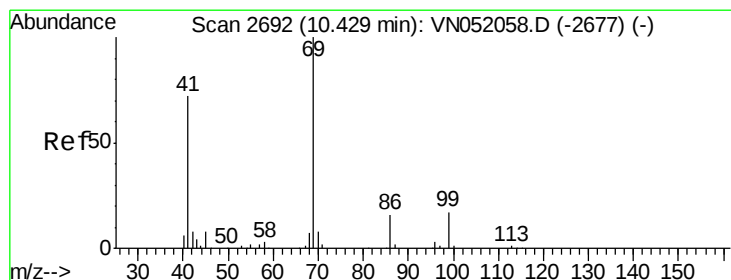
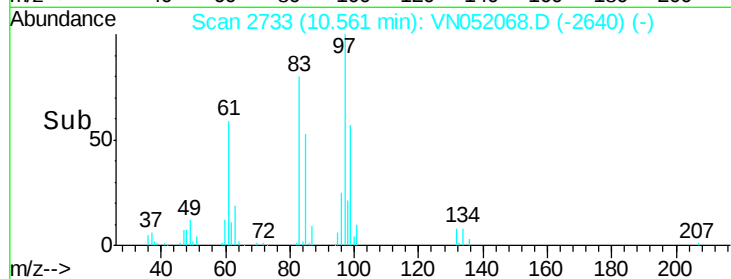
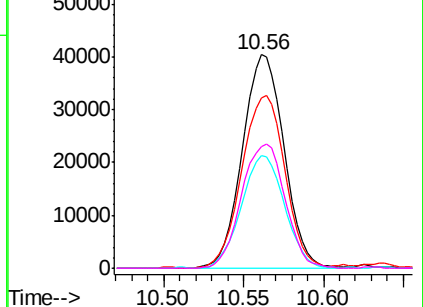


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.40 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

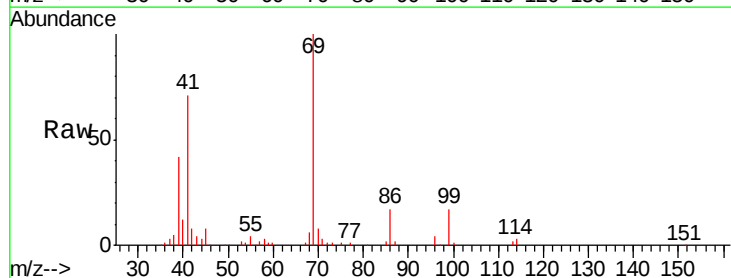
Tgt Ion: 69 Resp: 92504

Ion Ratio Lower Upper

69 100

41 66.6 55.5 83.3

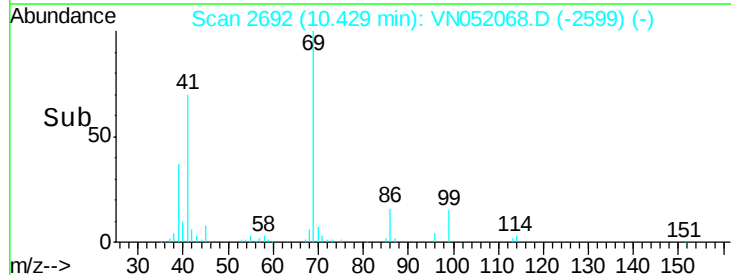
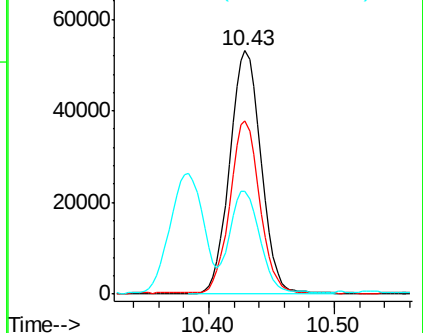
39 40.2 33.0 49.4

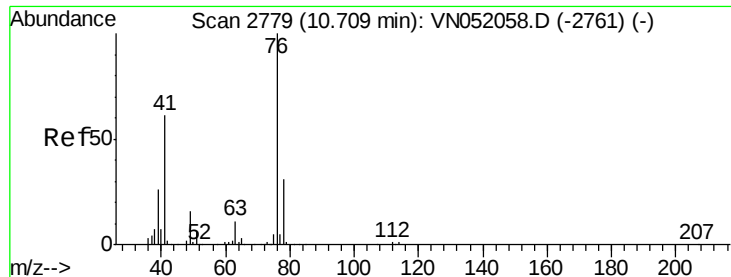


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

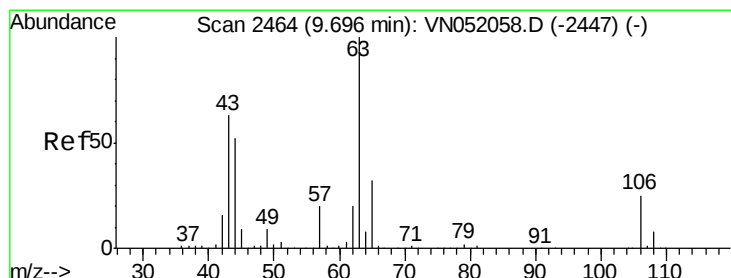
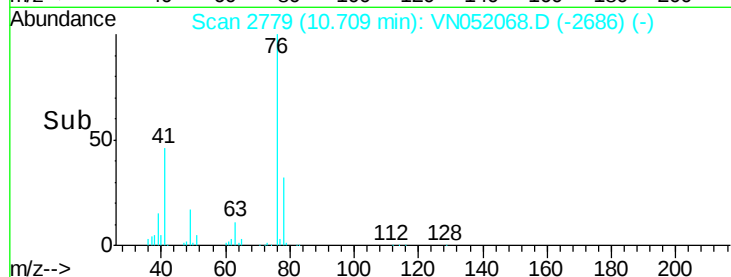
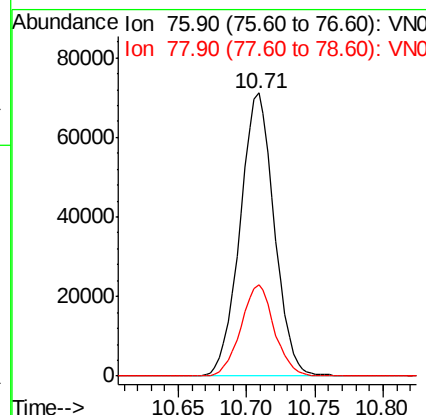
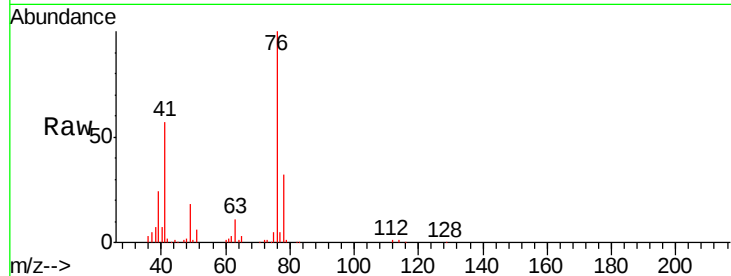




#57
 1,3-Dichloropropane
 Concen: 18.12 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

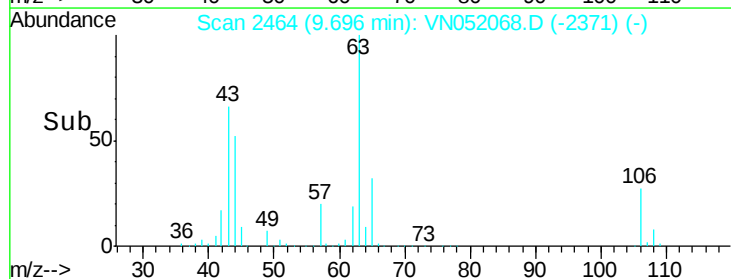
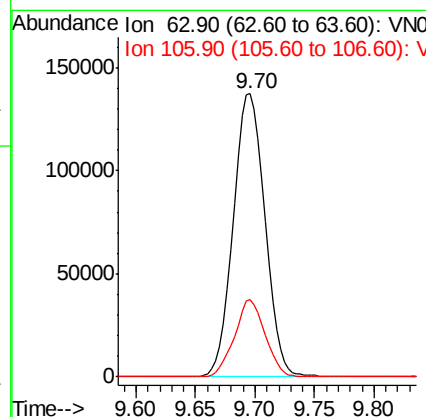
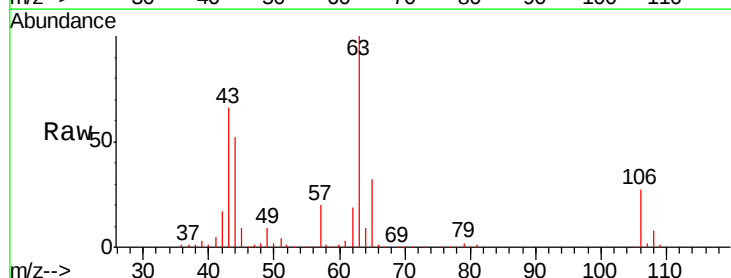
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

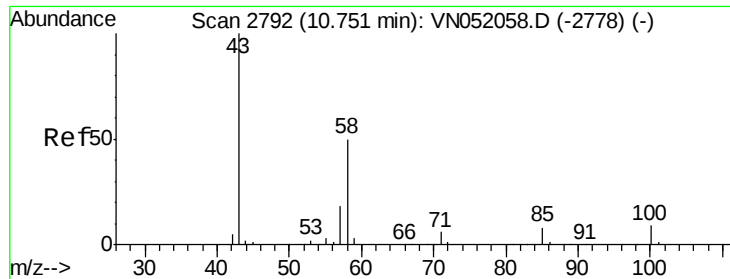
Tgt Ion: 76 Resp: 123925
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.82 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 63 Resp: 253989
 Ion Ratio Lower Upper
 63 100
 106 26.4 19.4 29.2

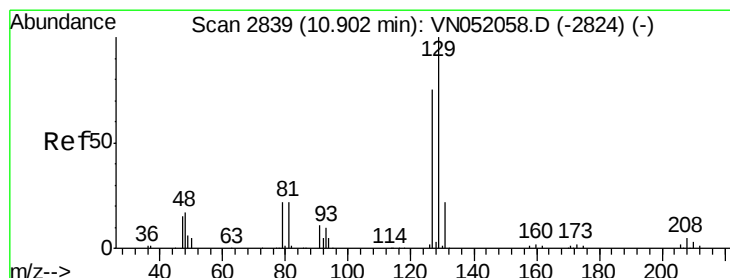
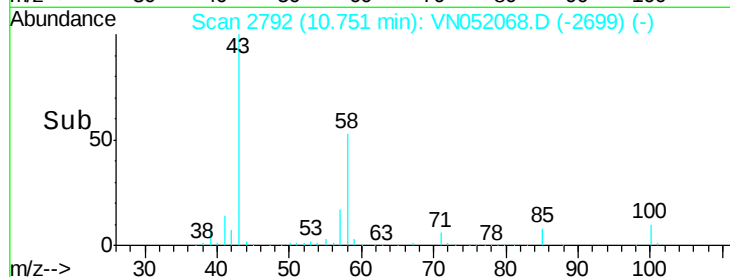
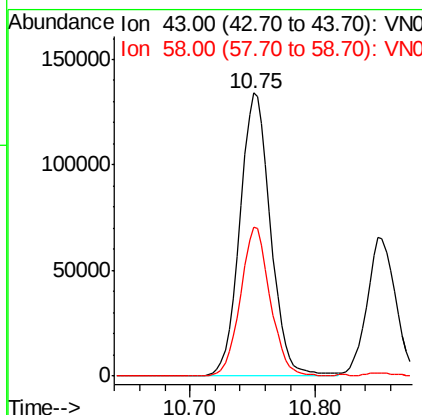
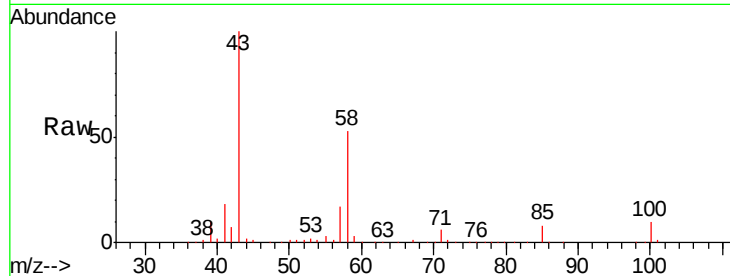




#59
2-Hexanone
Concen: 82.30 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

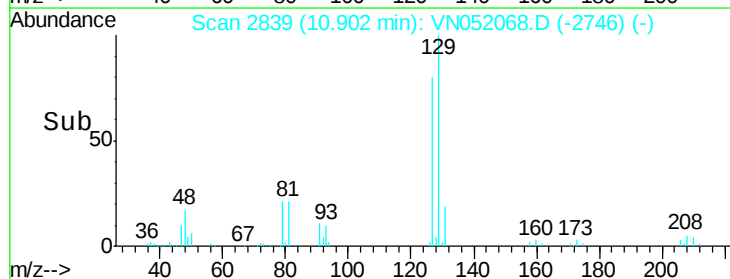
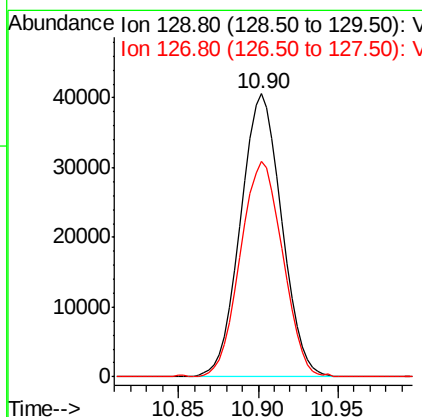
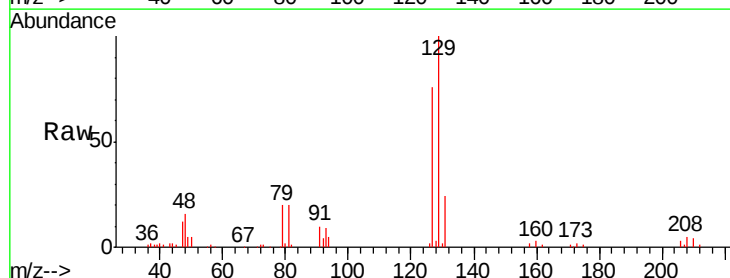
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

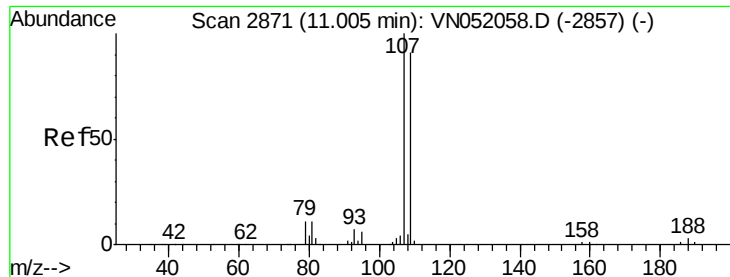
Tgt Ion: 43 Resp: 226797
Ion Ratio Lower Upper
43 100
58 51.2 25.2 75.6



#60
Dibromochloromethane
Concen: 19.45 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 129 Resp: 71174
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5

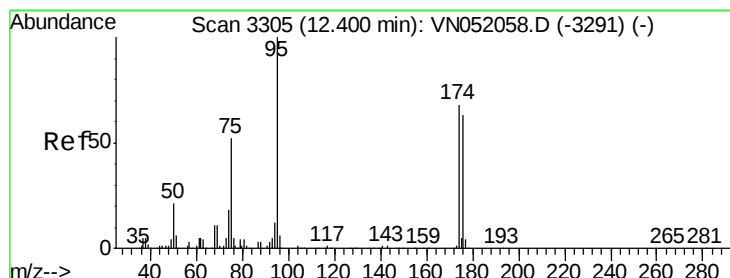
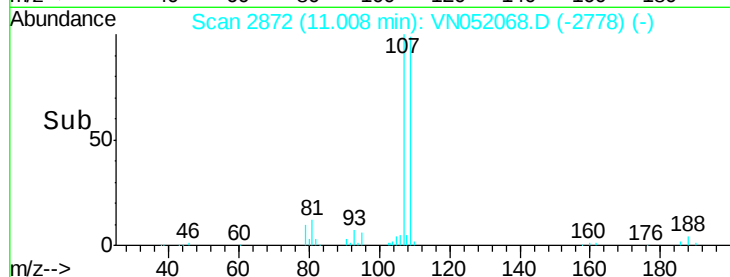
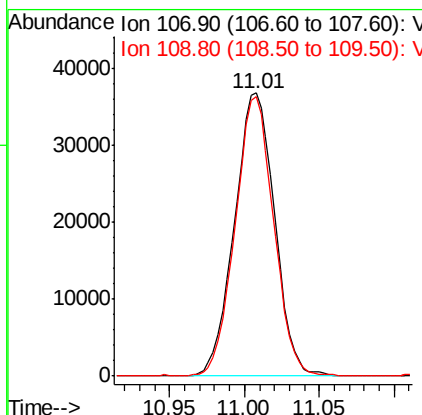
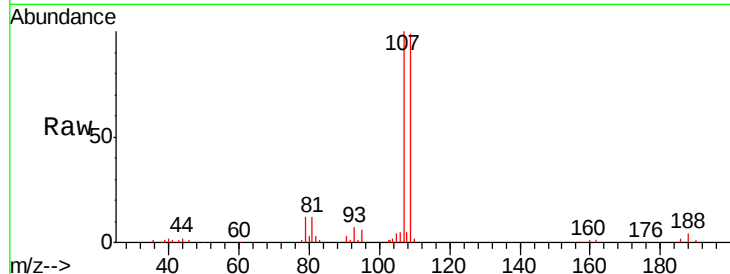




#61
 1,2-Dibromoethane
 Concen: 18.62 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

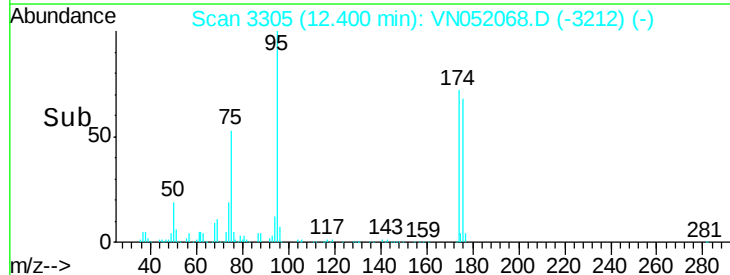
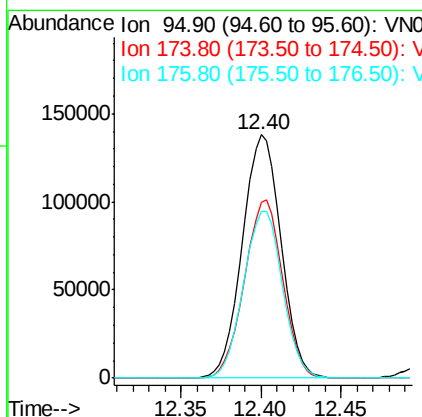
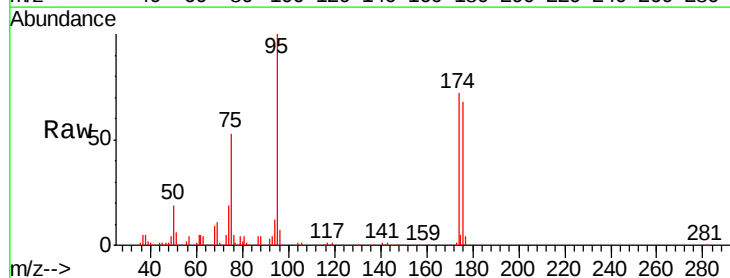
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

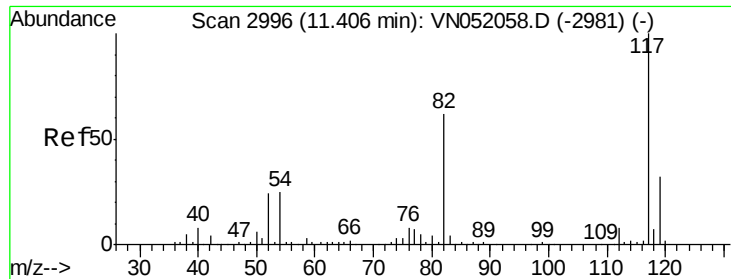
Tgt Ion: 107 Resp: 68809
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 18.62 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 95 Resp: 227764
 Ion Ratio Lower Upper
 95 100
 174 72.2 0.0 131.8
 176 69.1 0.0 126.0

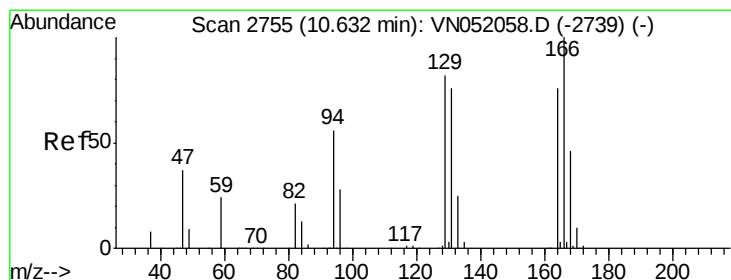
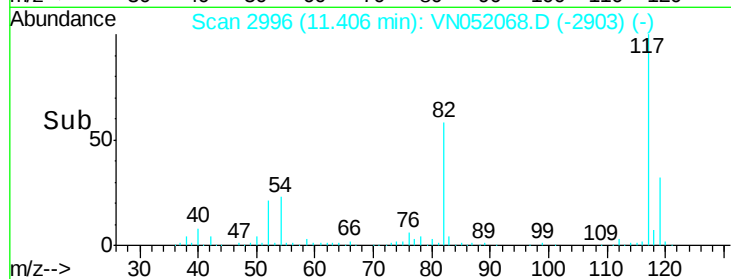
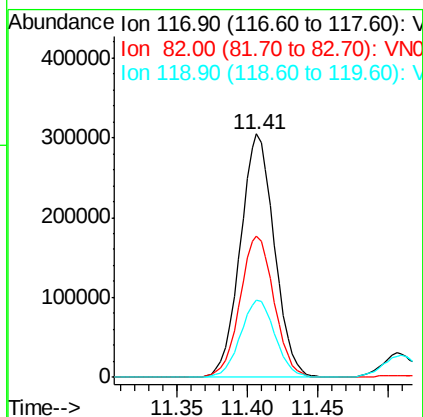
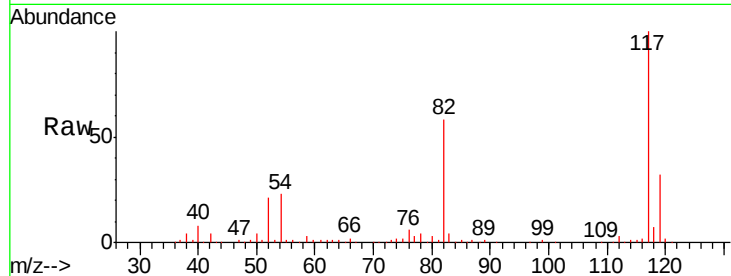




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

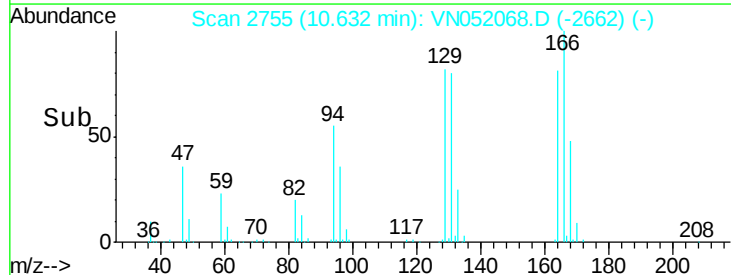
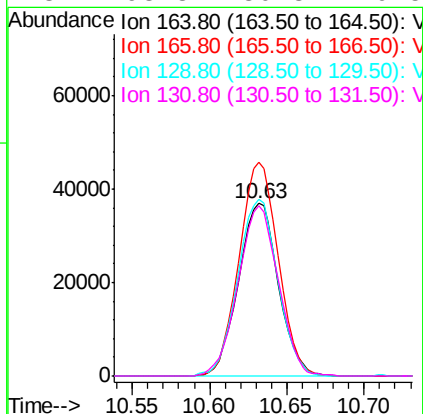
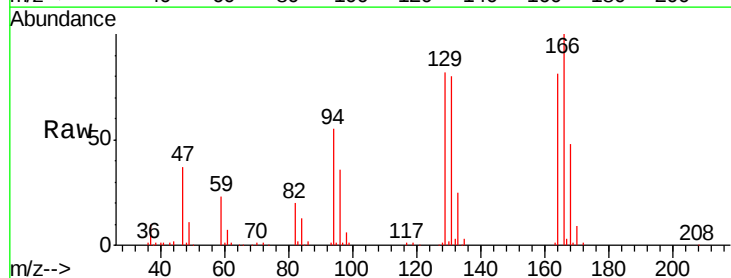
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

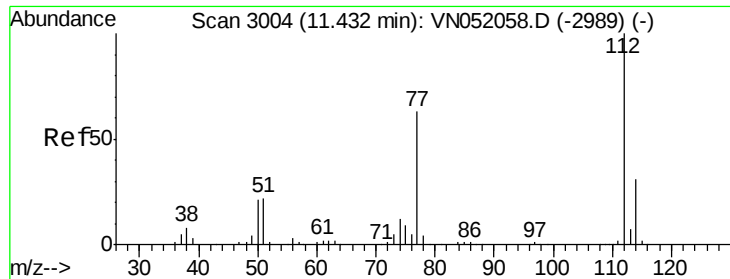
Tgt Ion:117 Resp: 515741
Ion Ratio Lower Upper
117 100
82 58.0 49.9 74.9
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 21.23 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion:164 Resp: 66330
Ion Ratio Lower Upper
164 100
166 123.9 105.4 158.0
129 102.1 86.1 129.1
131 98.8 80.3 120.5

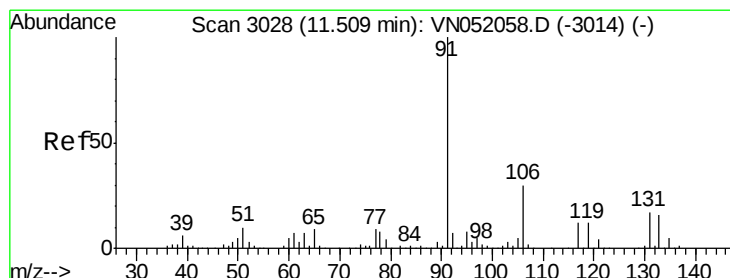
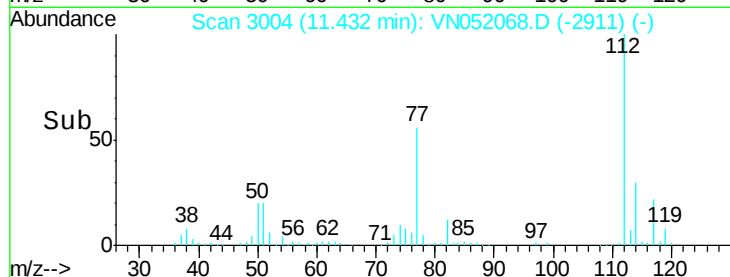
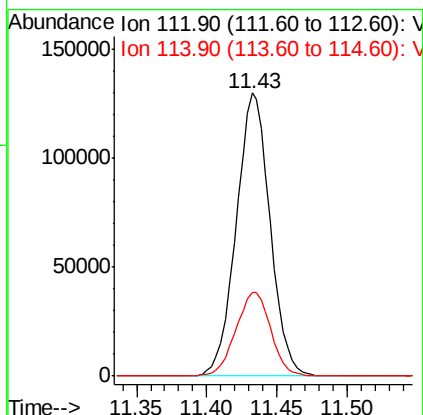
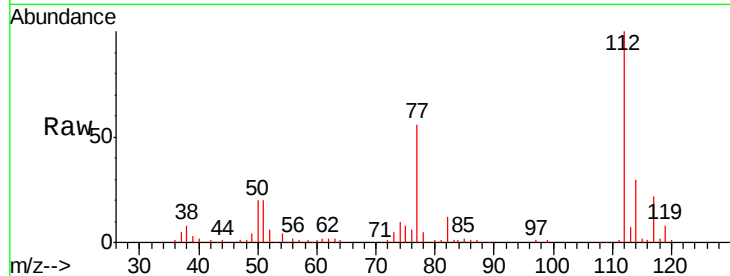




#65
Chlorobenzene
Concen: 20.07 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

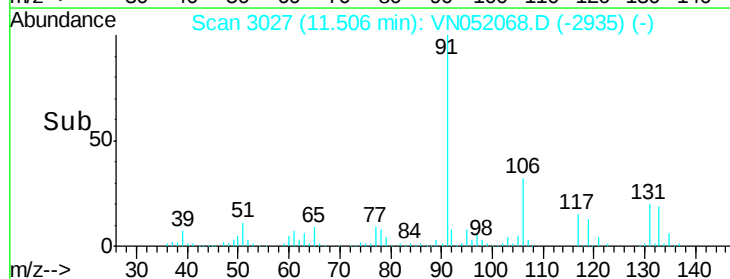
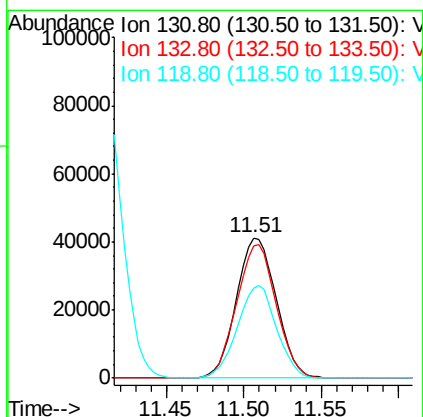
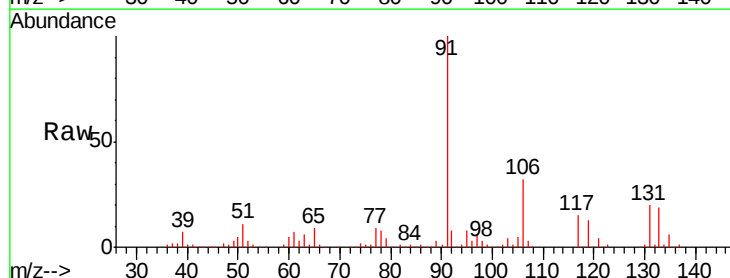
Instrument :
MSVOA_N
ClientSampled :
VN1031WBS01

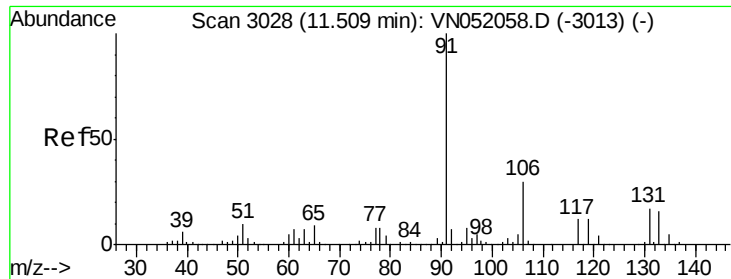
Tgt Ion:112 Resp: 218031
Ion Ratio Lower Upper
112 100
114 29.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.62 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion:131 Resp: 73752
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.9
119 64.7 34.4 103.2

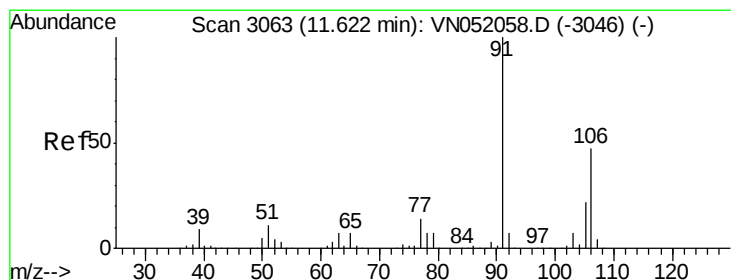
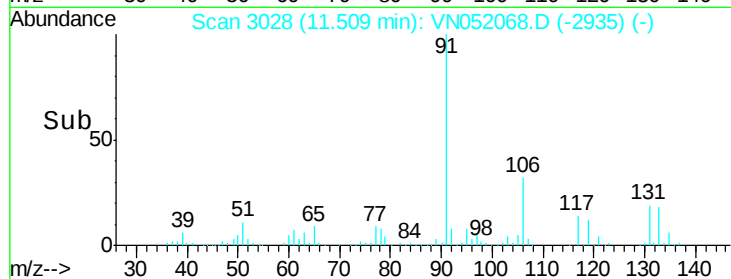
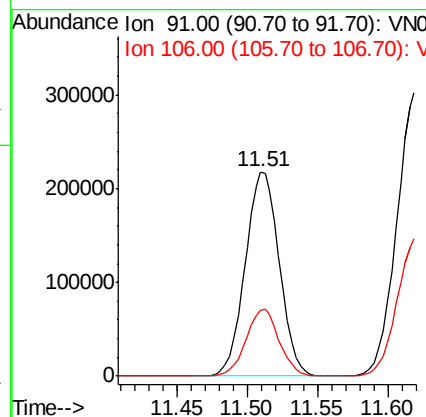
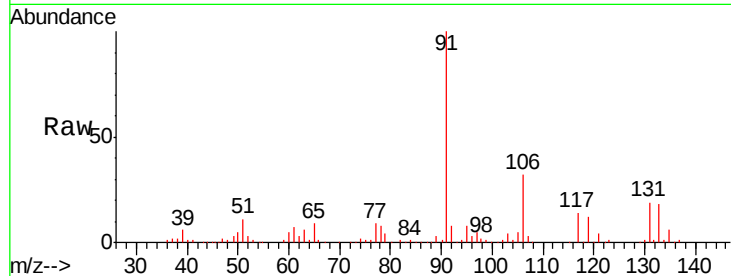




#67
Ethyl Benzene
Concen: 19.00 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

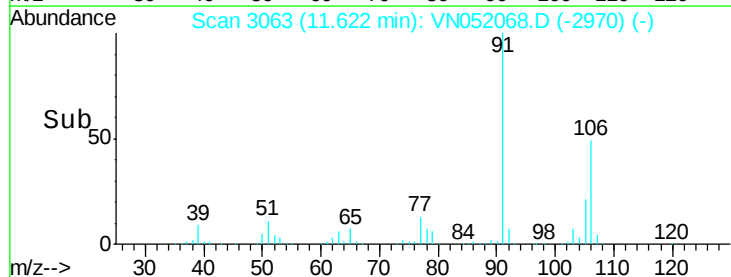
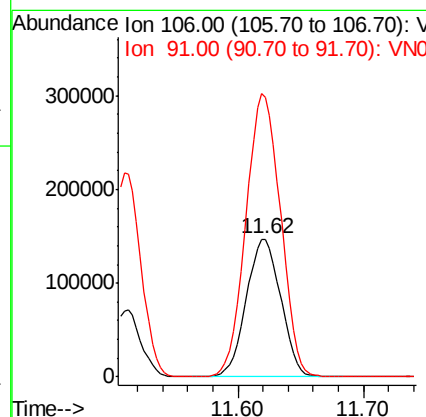
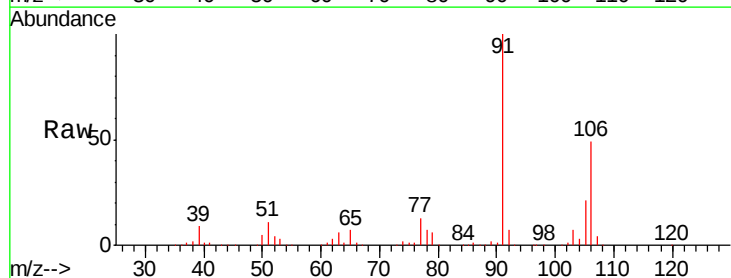
Instrument :
MSVOA_N
ClientSampled :
VN1031WBS01

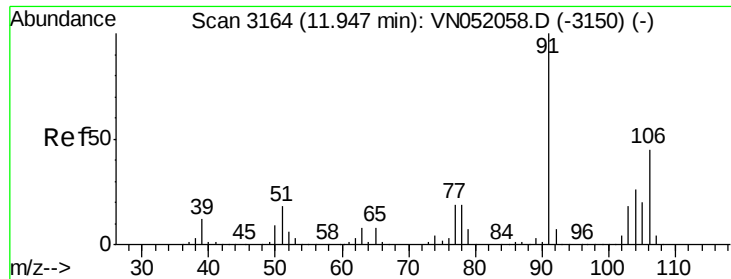
Tgt Ion: 91 Resp: 368132
Ion Ratio Lower Upper
91 100
106 32.5 24.1 36.1



#68
m/p-Xylenes
Concen: 40.64 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 106 Resp: 281757
Ion Ratio Lower Upper
106 100
91 205.8 168.7 253.1

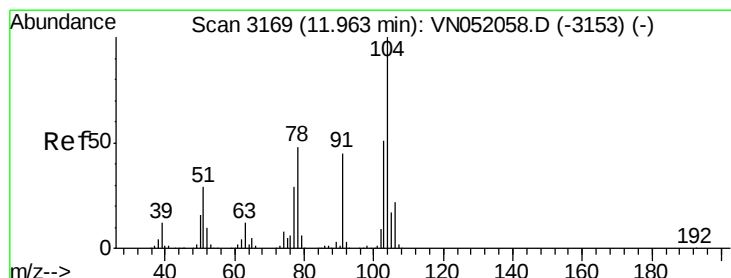
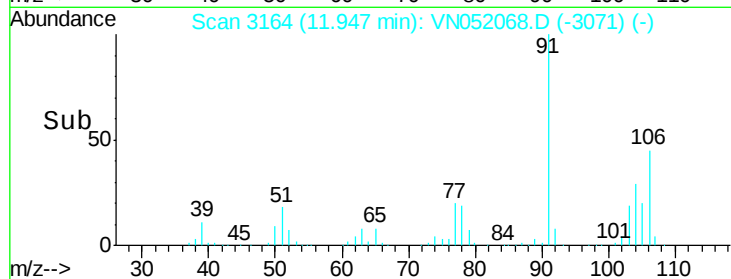
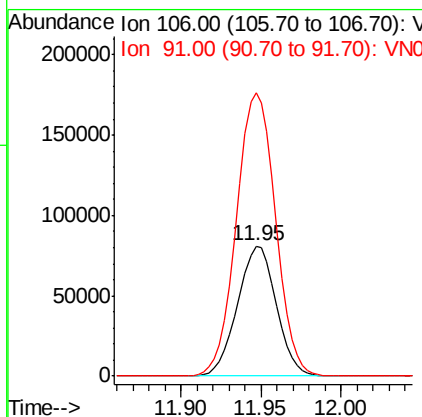
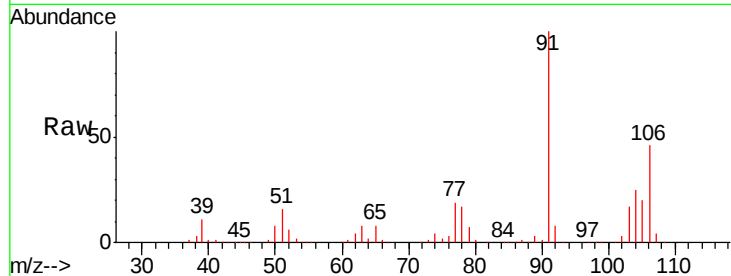




#69
o-Xylene
Concen: 19.48 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

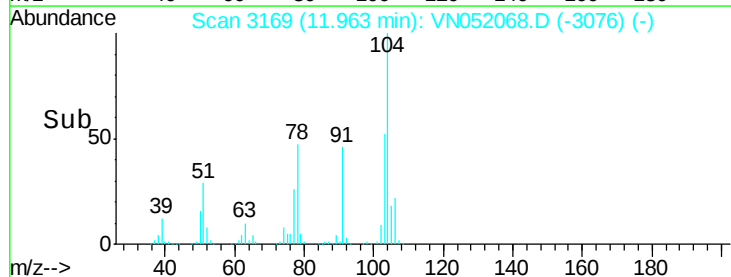
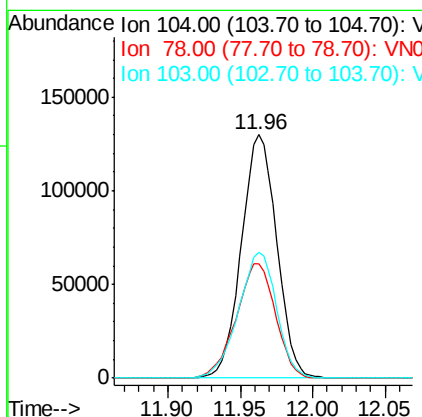
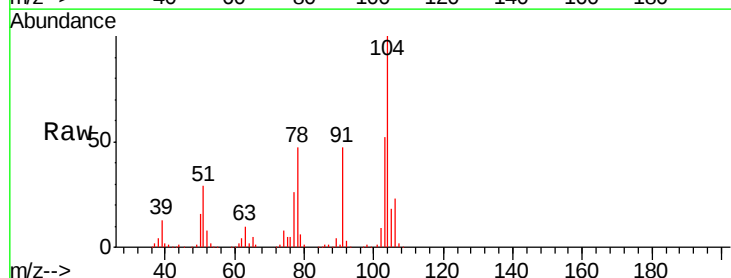
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

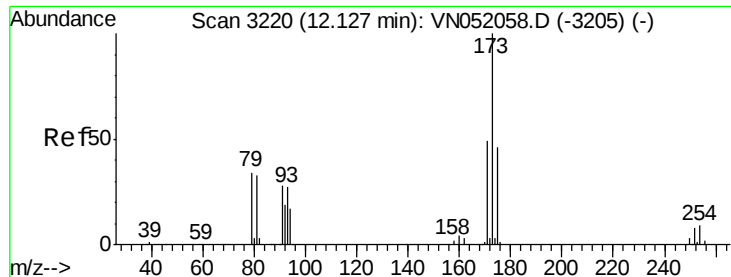
Tgt Ion:106 Resp: 133658
Ion Ratio Lower Upper
106 100
91 219.7 109.6 328.6



#70
Styrene
Concen: 19.88 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion:104 Resp: 220746
Ion Ratio Lower Upper
104 100
78 52.0 43.0 64.6
103 55.8 45.1 67.7





#71

Bromoform

Concen: 18.70 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

VN1031WBS01

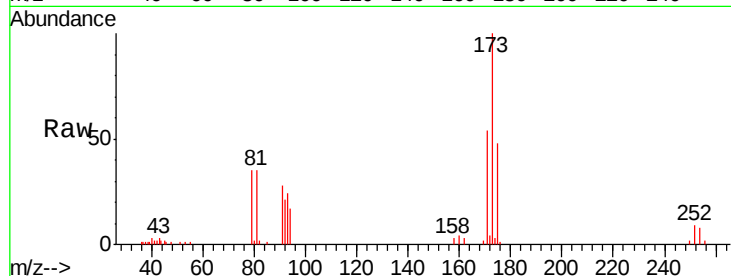
Tgt Ion:173 Resp: 37862

Ion Ratio Lower Upper

173 100

175 49.9 23.9 71.7

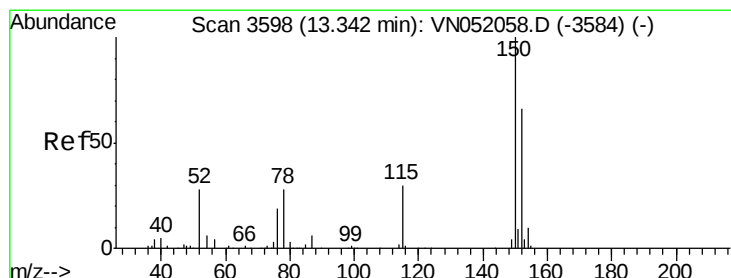
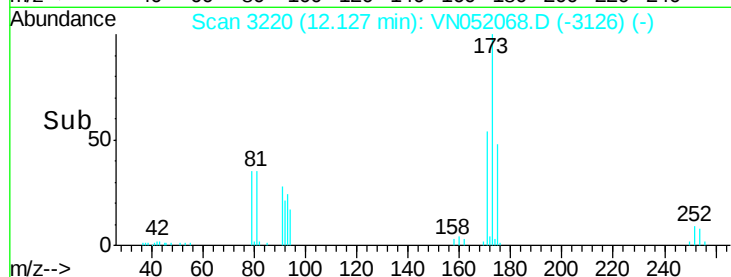
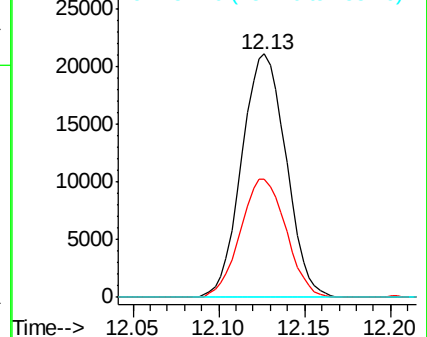
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

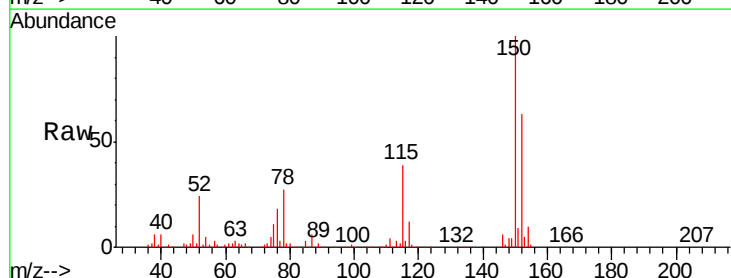
Tgt Ion:152 Resp: 213600

Ion Ratio Lower Upper

152 100

115 62.7 31.6 95.0

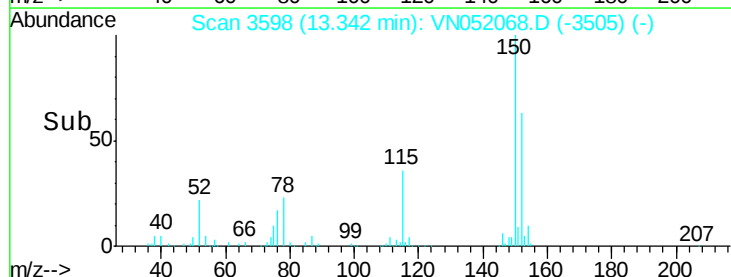
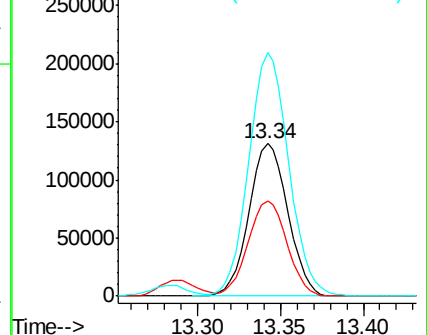
150 164.3 0.0 345.0

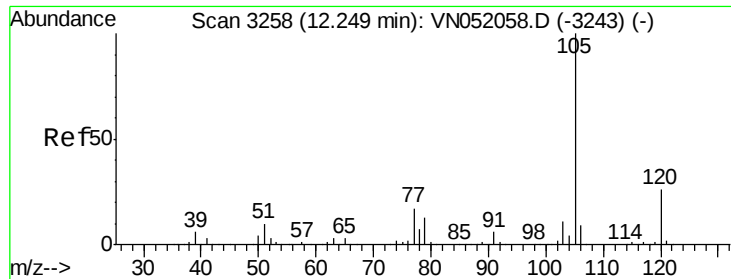


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.64 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

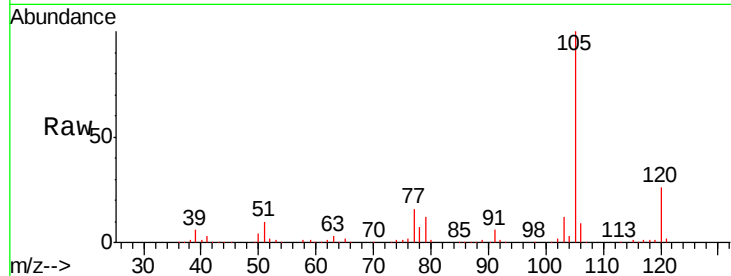
VN1031WBS01

Tgt Ion: 105 Resp: 358823

Ion Ratio Lower Upper

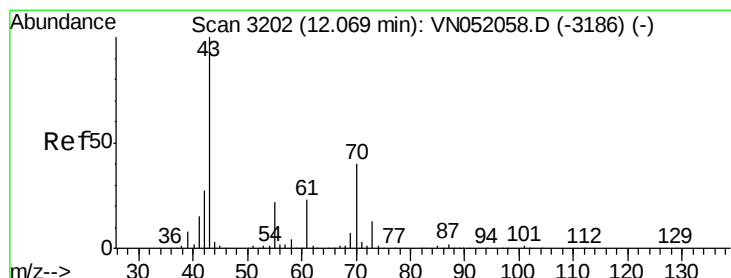
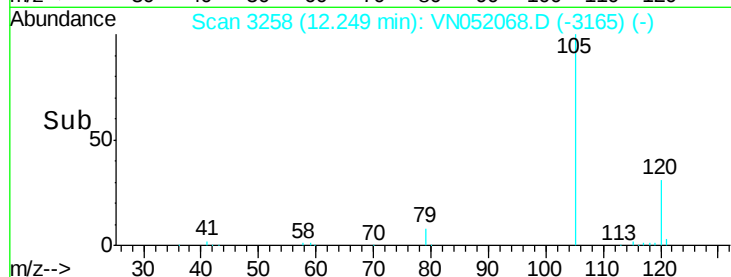
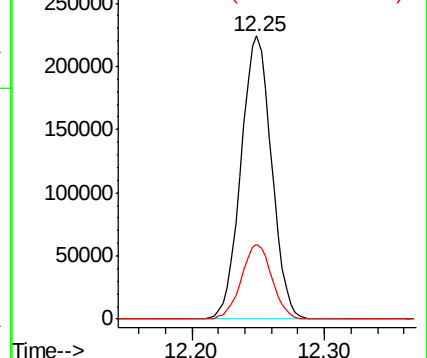
105 100

120 26.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.42 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Tgt Ion: 43 Resp: 104652

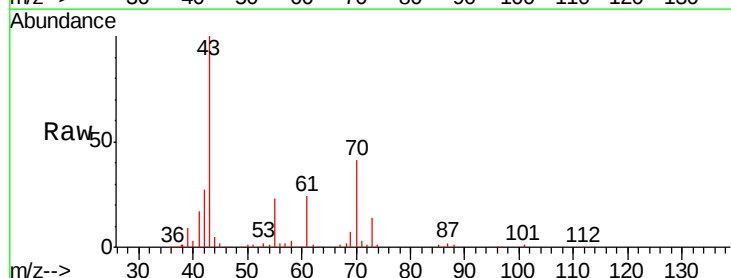
Ion Ratio Lower Upper

43 100

70 39.3 31.9 47.9

55 24.0 18.4 27.6

61 23.5 18.2 27.4

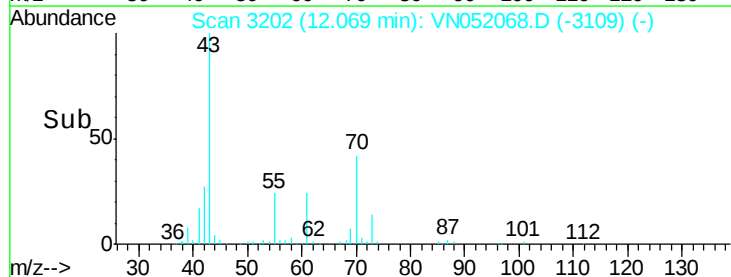
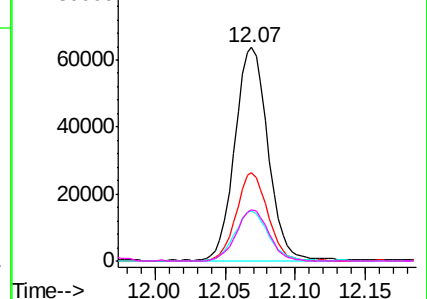


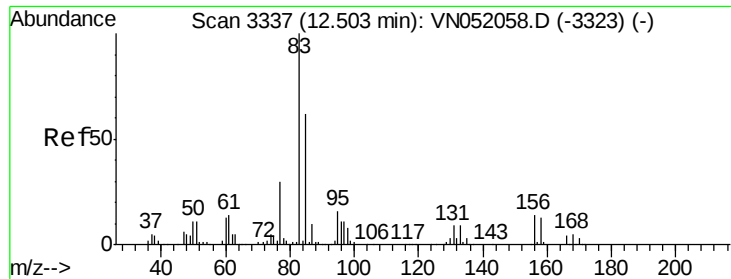
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.96 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

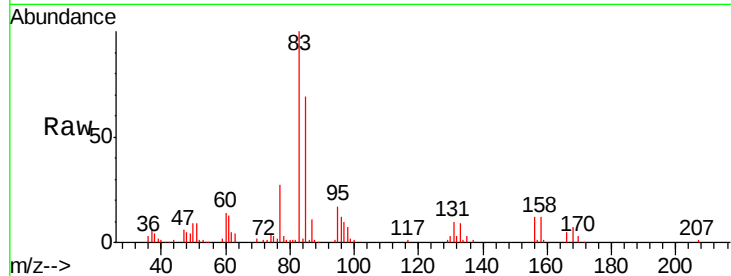
Tgt Ion: 83 Resp: 83049

Ion Ratio Lower Upper

83 100

131 9.8 4.5 13.4

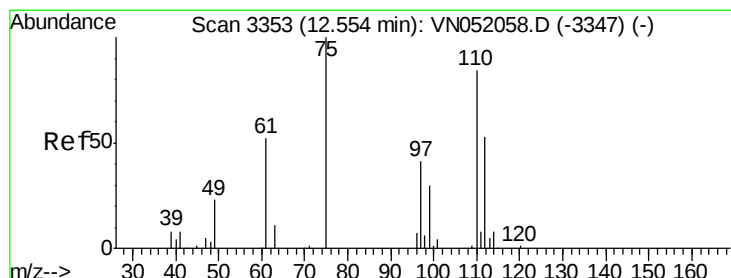
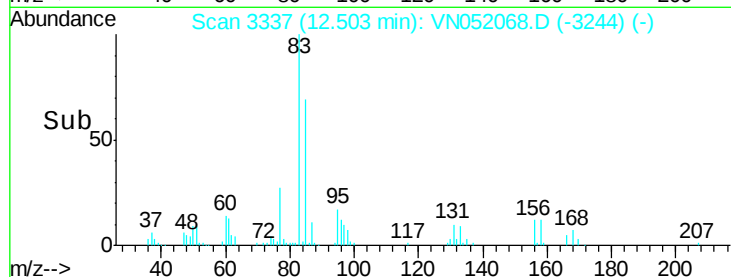
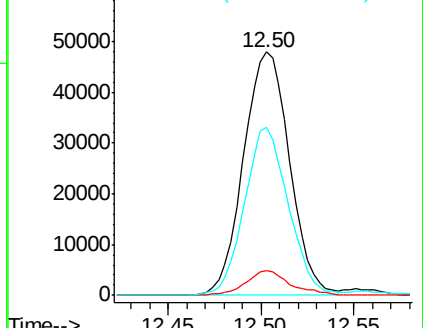
85 65.8 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.49 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052068.D

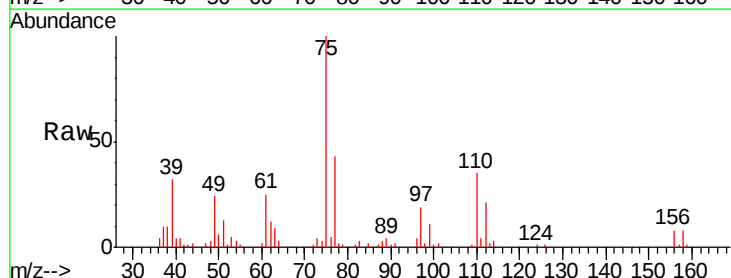
Acq: 31 Oct 2018 12:44

Tgt Ion: 75 Resp: 103596

Ion Ratio Lower Upper

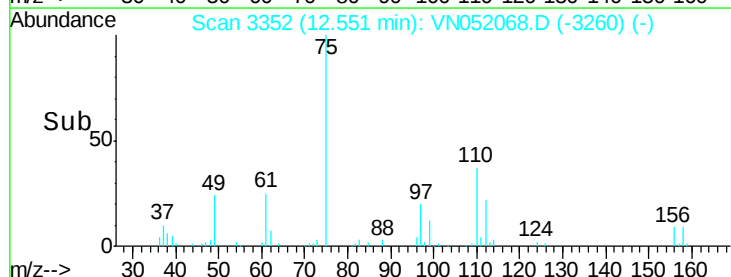
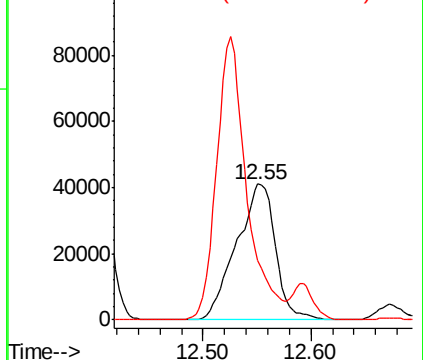
75 100

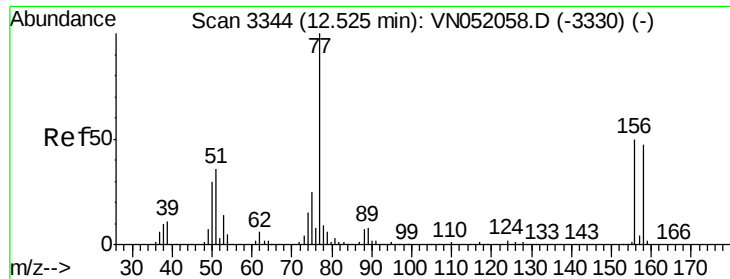
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.19 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

VN1031WBS01

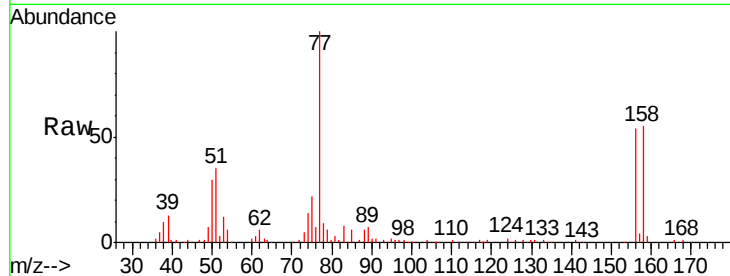
Tgt Ion:156 Resp: 77166

Ion Ratio Lower Upper

156 100

77 214.7 119.6 358.6

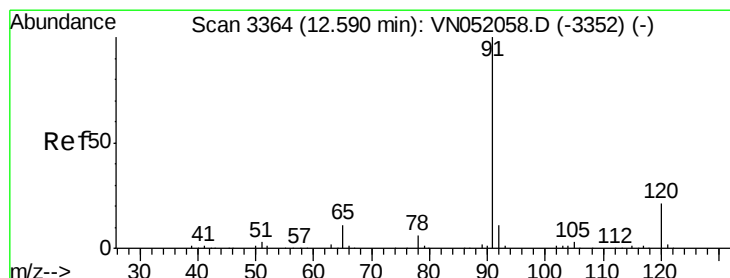
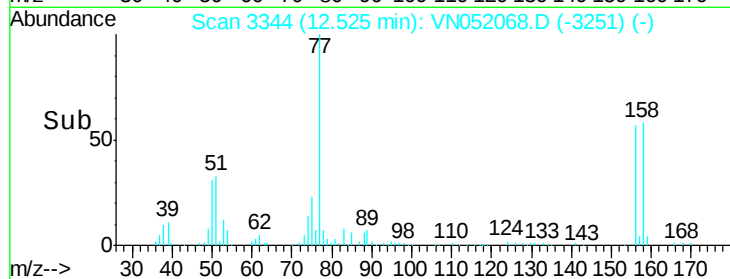
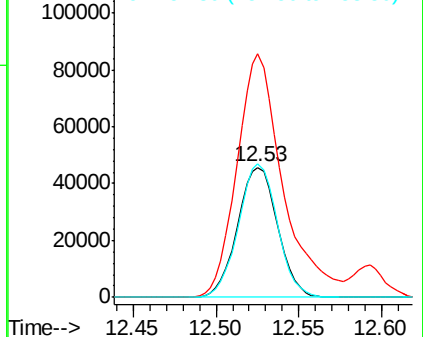
158 99.7 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.69 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052068.D

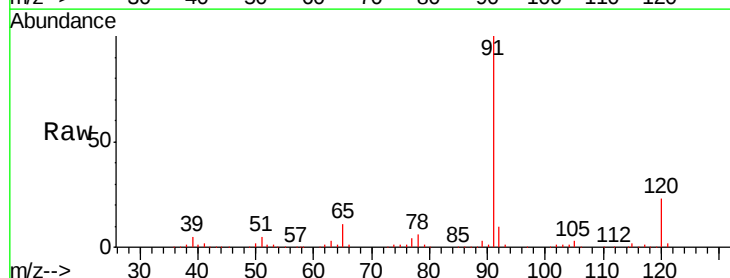
Acq: 31 Oct 2018 12:44

Tgt Ion: 91 Resp: 413774

Ion Ratio Lower Upper

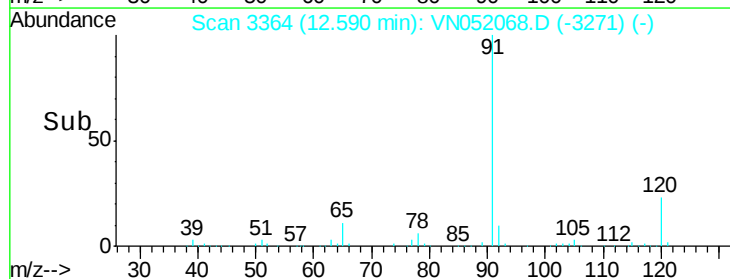
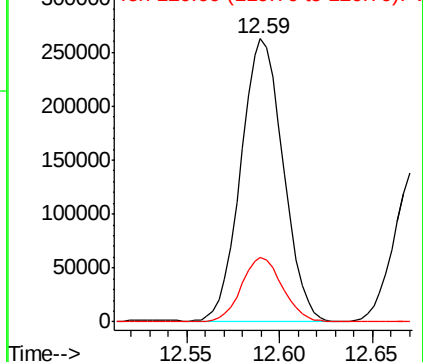
91 100

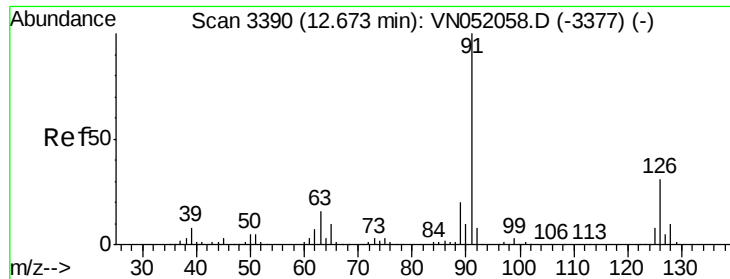
120 22.3 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.55 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

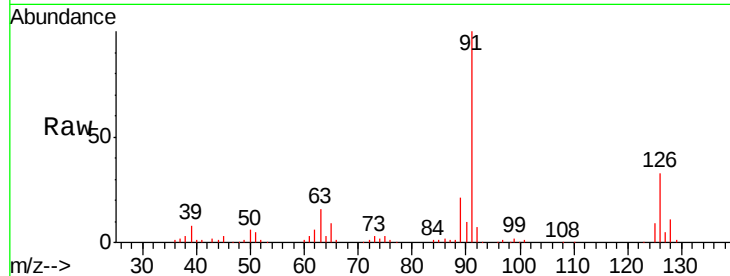
VN1031WBS01

Tgt Ion: 91 Resp: 239298

Ion Ratio Lower Upper

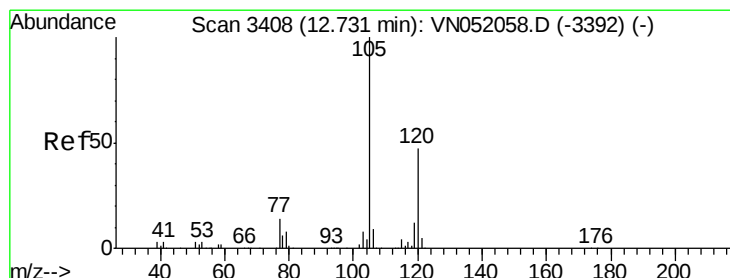
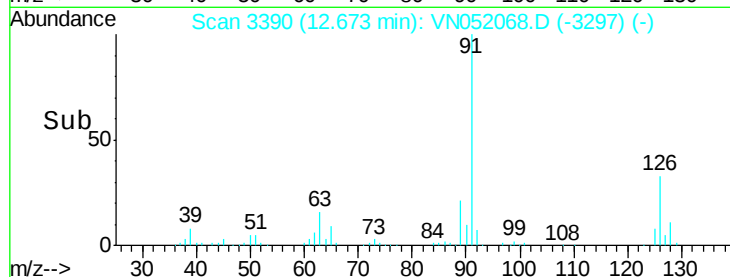
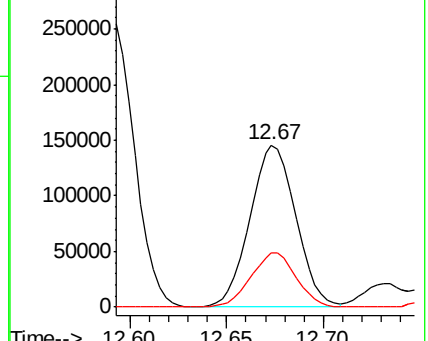
91 100

126 33.2 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052058.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.93 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052068.D

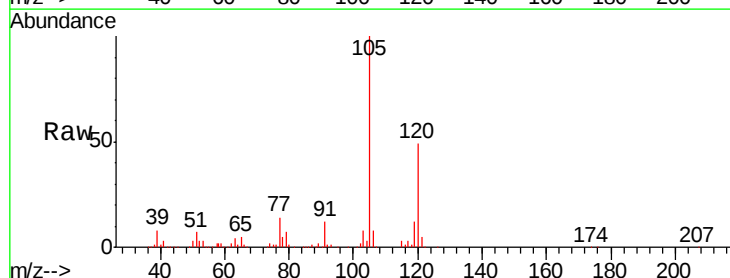
Acq: 31 Oct 2018 12:44

Tgt Ion: 105 Resp: 281410

Ion Ratio Lower Upper

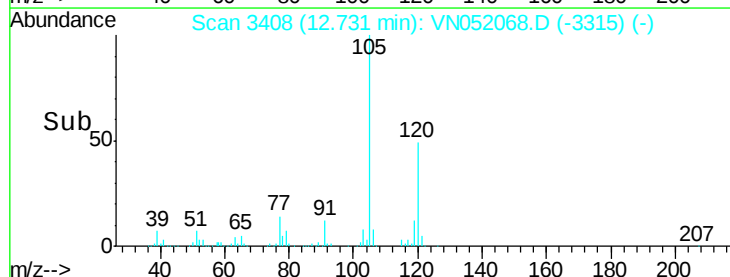
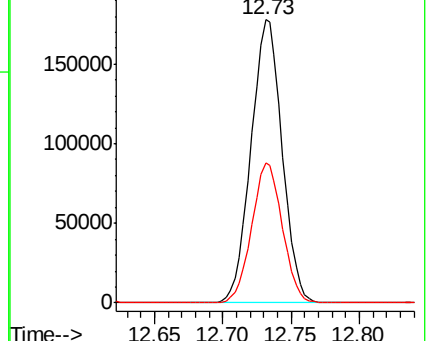
105 100

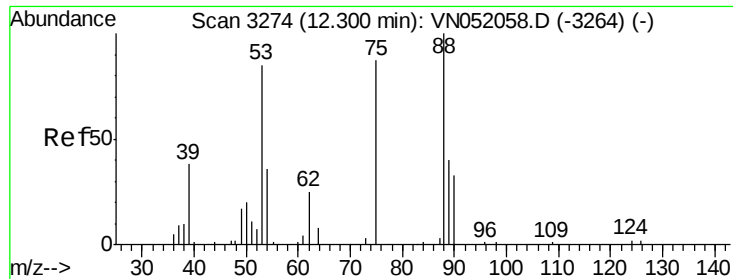
120 48.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052058.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052058.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.28 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

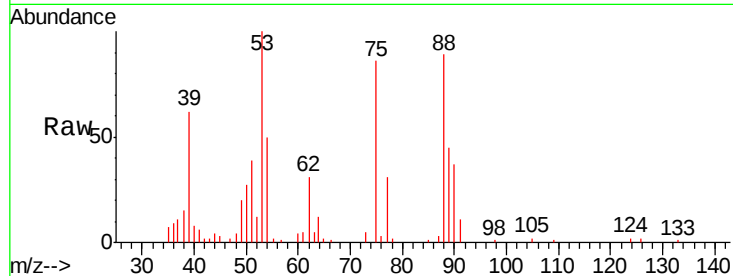
Tgt Ion: 75 Resp: 19182

Ion Ratio Lower Upper

75 100

53 108.8 81.8 122.6

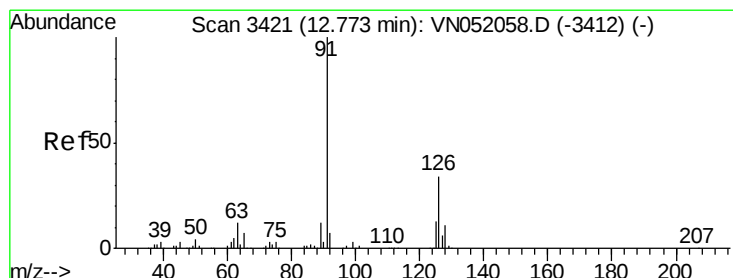
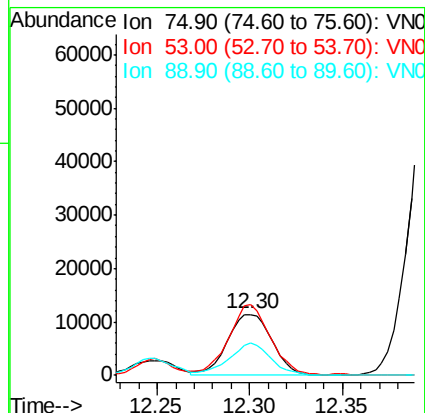
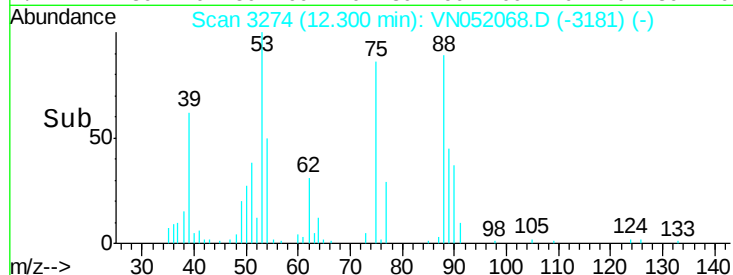
89 49.1 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.71 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052068.D

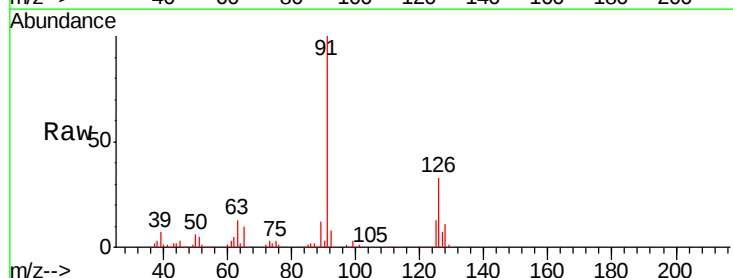
Acq: 31 Oct 2018 12:44

Tgt Ion: 91 Resp: 246191

Ion Ratio Lower Upper

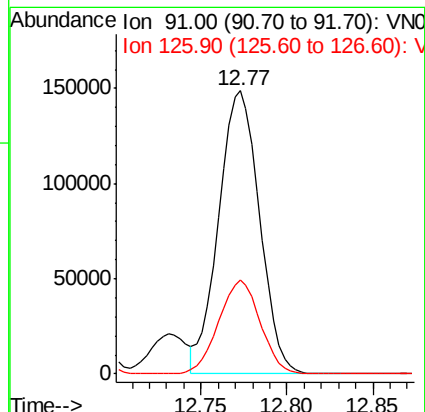
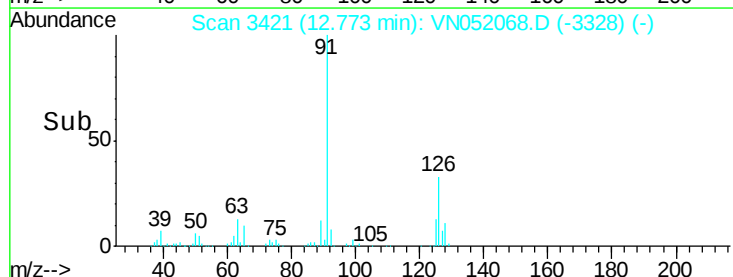
91 100

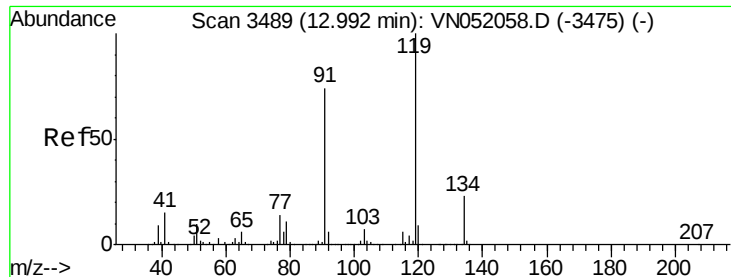
126 33.7 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

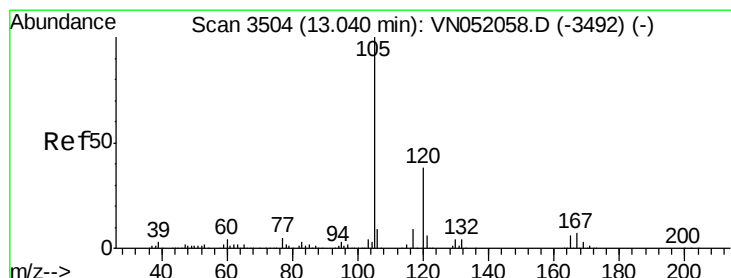
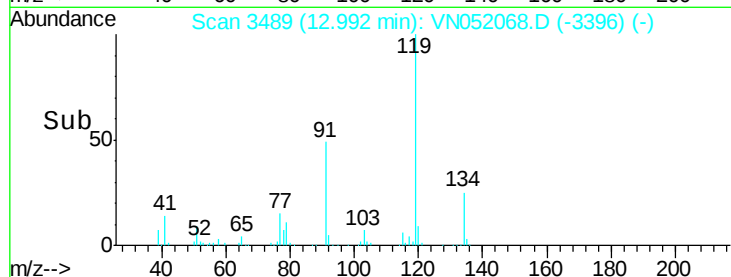
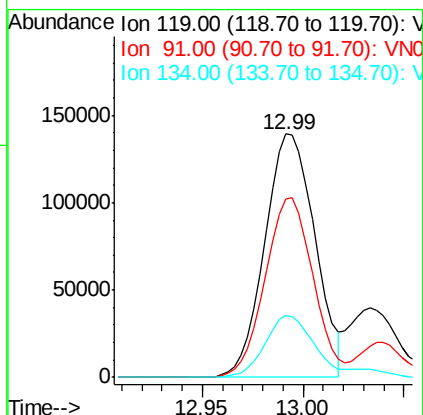
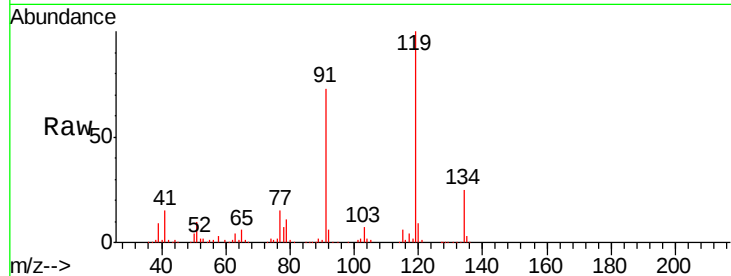




#83
 tert-Butylbenzene
 Concen: 19.25 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

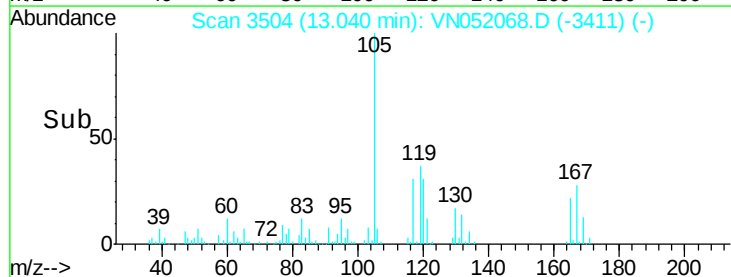
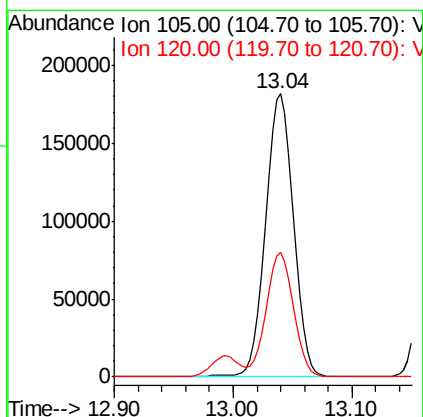
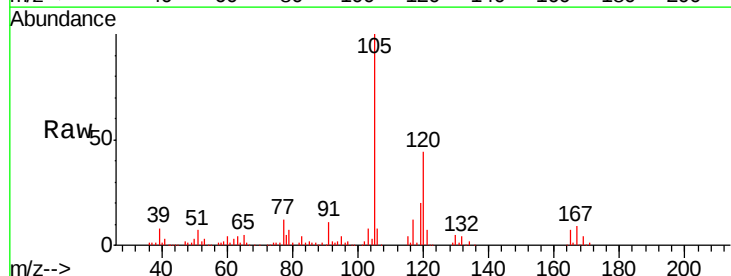
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

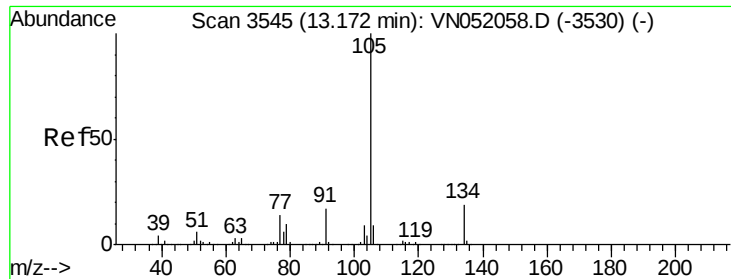
Tgt Ion:119 Resp: 240412
 Ion Ratio Lower Upper
 119 100
 91 70.5 36.6 109.9
 134 24.5 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.91 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion:105 Resp: 294551
 Ion Ratio Lower Upper
 105 100
 120 43.2 21.9 65.5

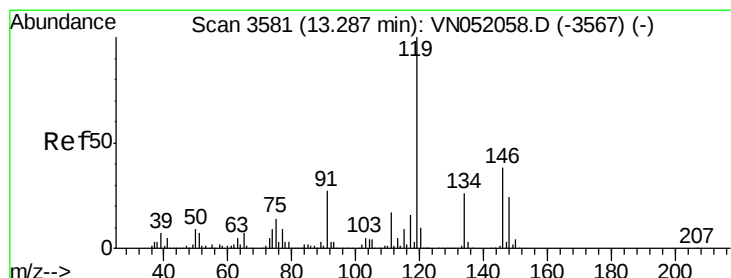
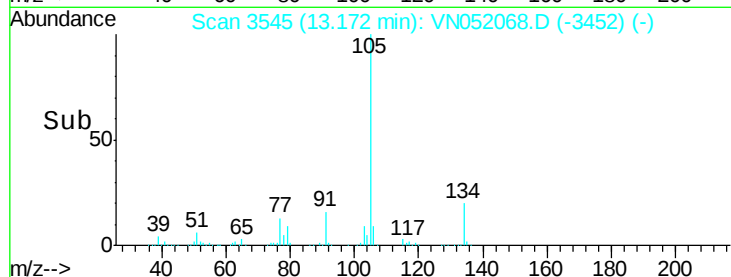
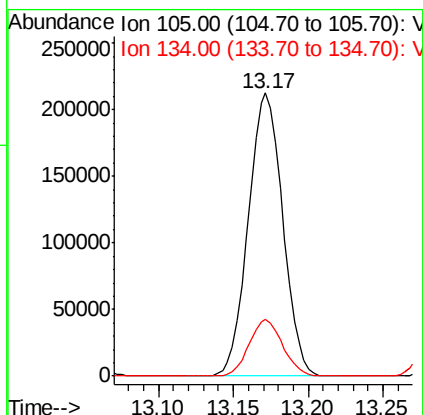
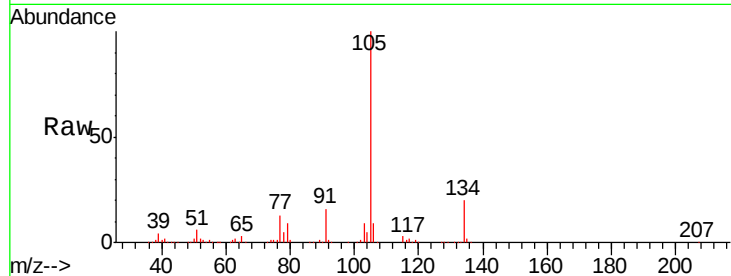




#85
 sec-Butylbenzene
 Concen: 19.06 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

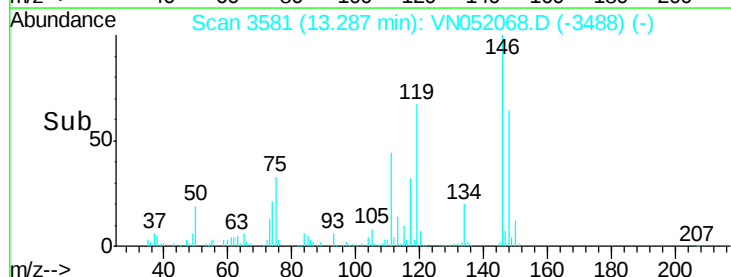
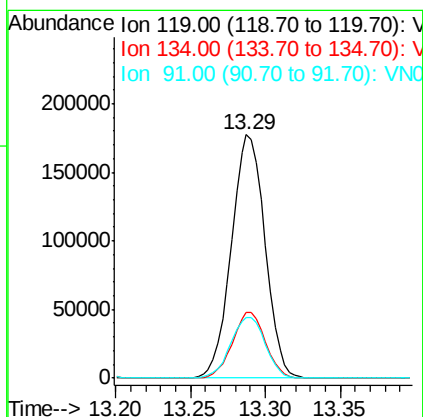
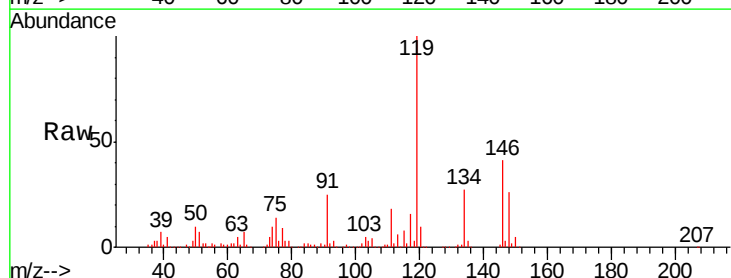
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

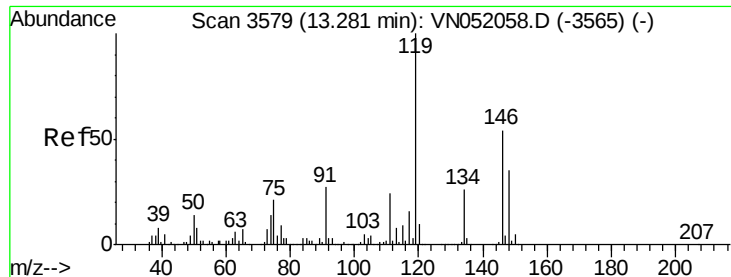
Tgt Ion:105 Resp: 339909
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 19.09 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion:119 Resp: 277290
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.8 38.3
 91 25.8 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 19.51 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

VN1031WBS01

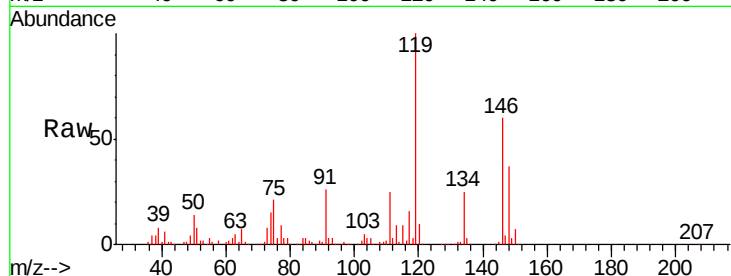
Tgt Ion:146 Resp: 135957

Ion Ratio Lower Upper

146 100

111 43.0 22.9 68.8

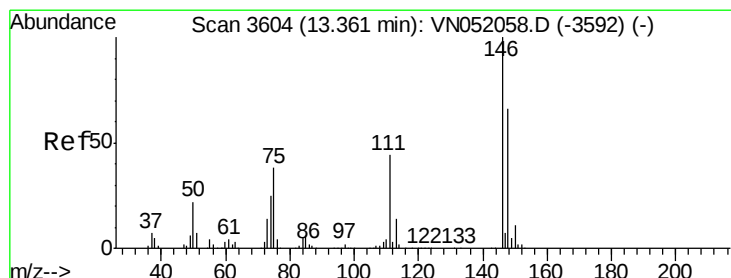
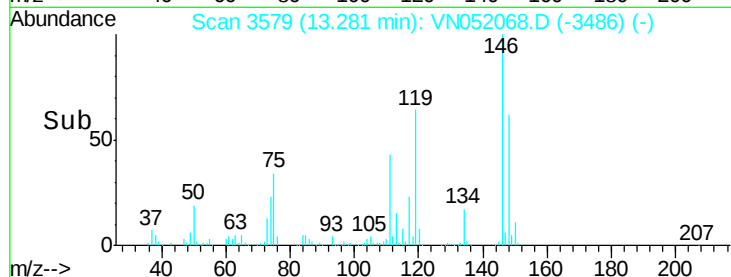
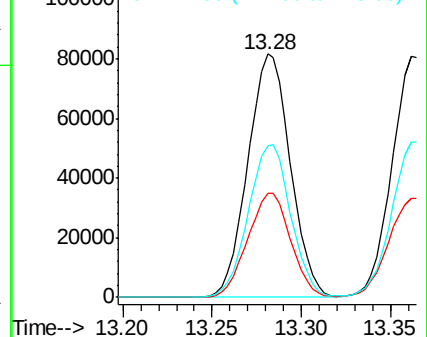
148 62.6 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.22 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

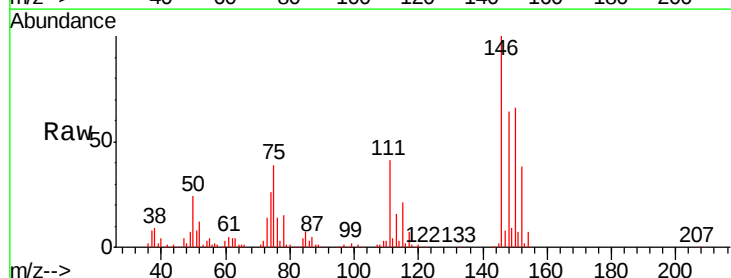
Tgt Ion:146 Resp: 134234

Ion Ratio Lower Upper

146 100

111 43.5 21.9 65.8

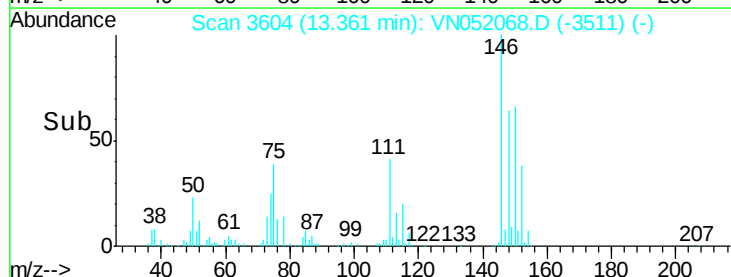
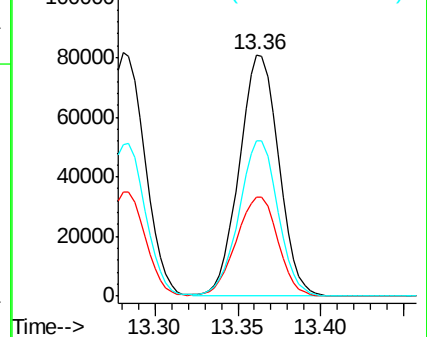
148 63.8 32.6 98.0

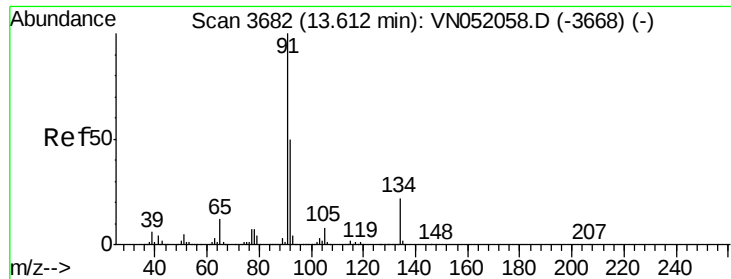


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.48 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

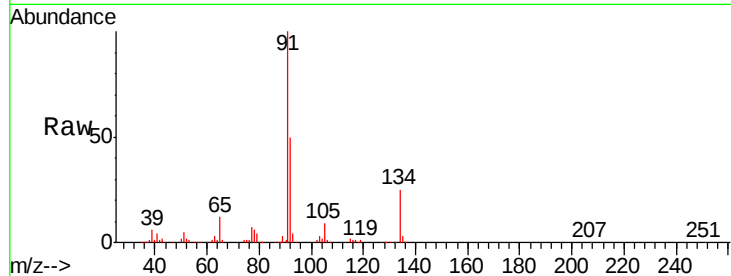
Tgt Ion: 91 Resp: 242218

Ion Ratio Lower Upper

91 100

92 51.2 25.3 75.8

134 25.0 11.2 33.5

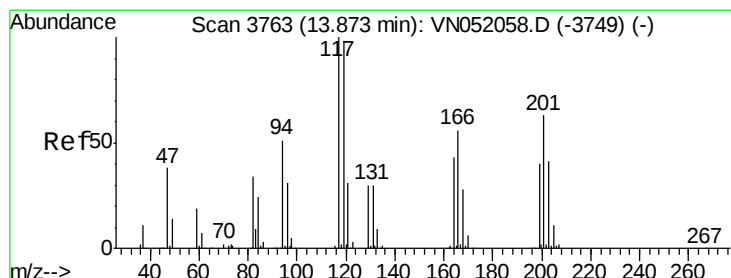
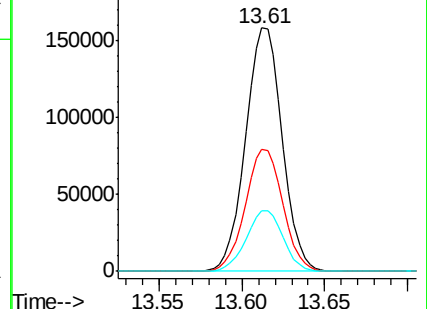
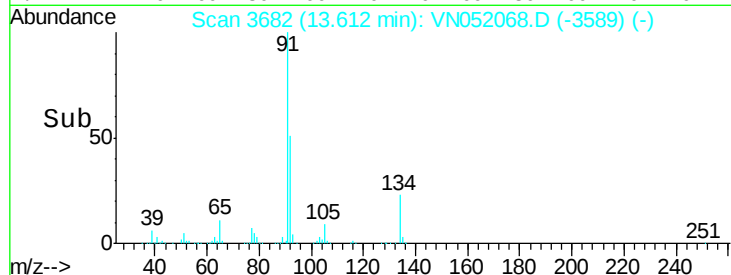


Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052058.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052058.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 18.24 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052068.D

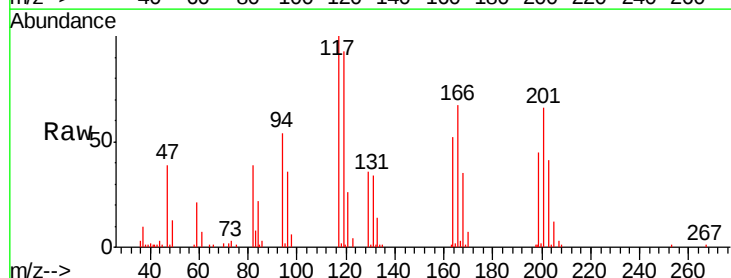
Acq: 31 Oct 2018 12:44

Tgt Ion: 117 Resp: 45409

Ion Ratio Lower Upper

117 100

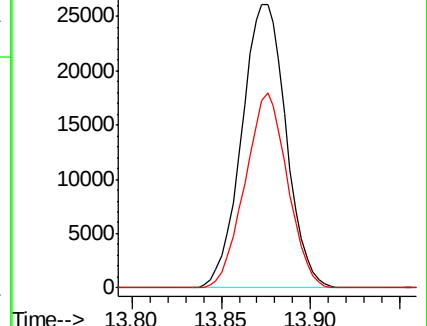
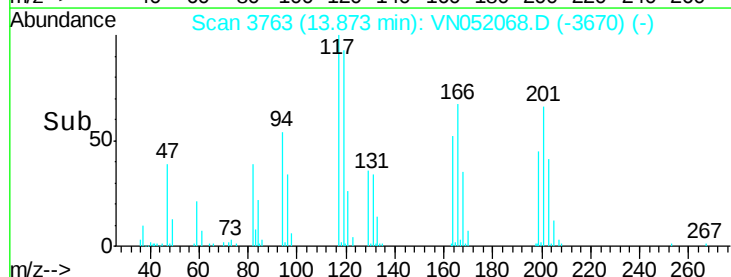
201 65.6 31.1 93.5

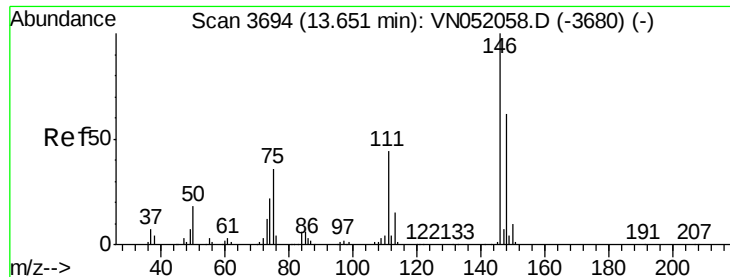


Abundance Ion 116.80 (116.50 to 117.50): VN052058.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052058.D (-3749) (-)

Time-->

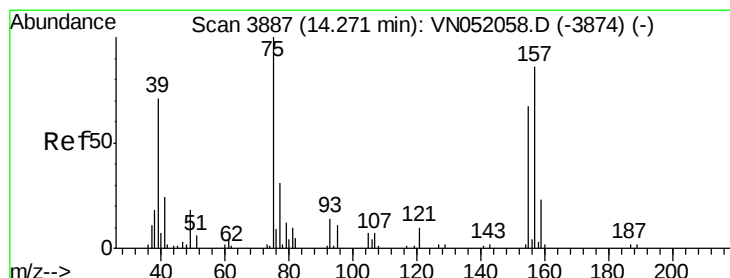
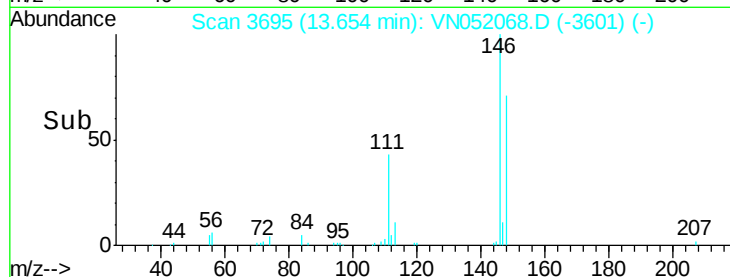
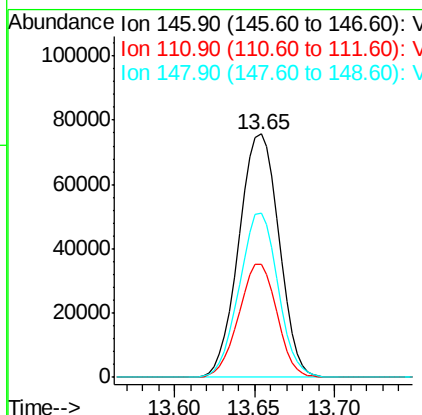
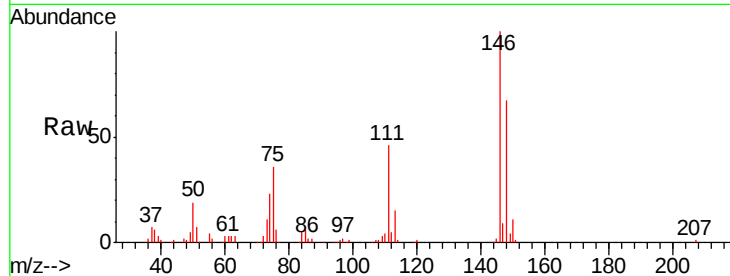




#91
 1,2-Dichlorobenzene
 Concen: 19.75 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

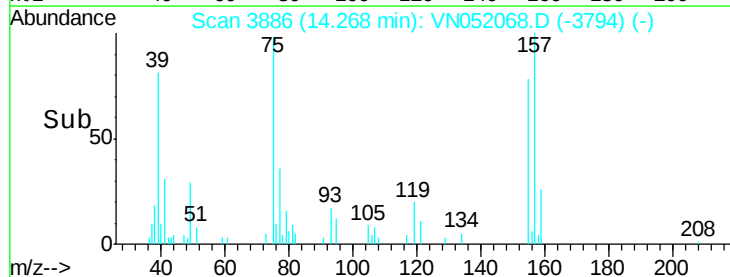
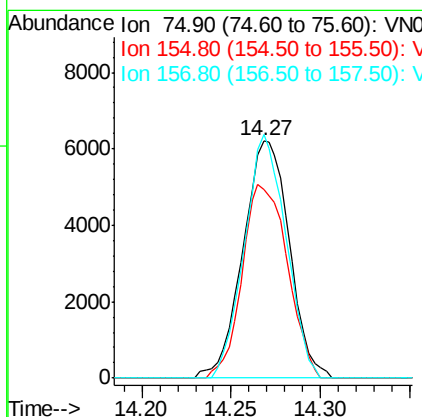
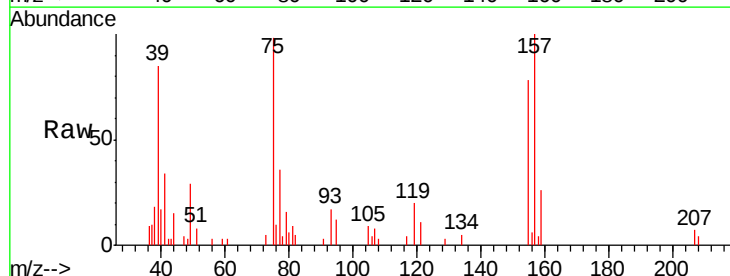
Instrument :
 MSVOA_N
 ClientSampled :
 VN1031WBS01

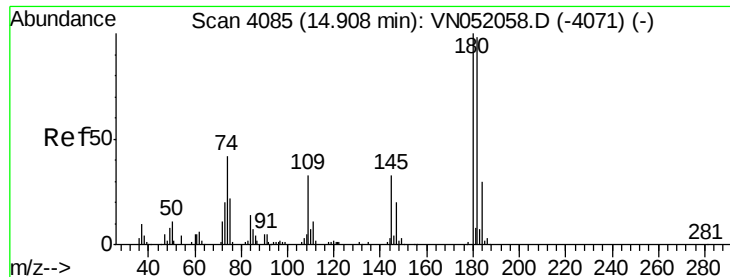
Tgt Ion: 146 Resp: 129389
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.5 67.5
 148 65.0 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.45 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 75 Resp: 11272
 Ion Ratio Lower Upper
 75 100
 155 79.8 34.0 102.0
 157 92.3 42.1 126.4

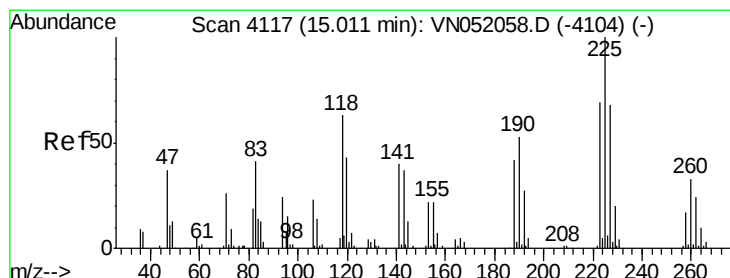
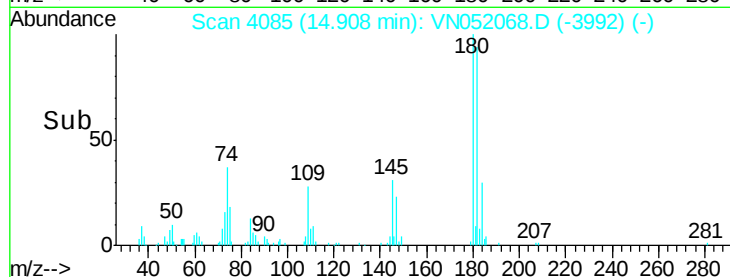
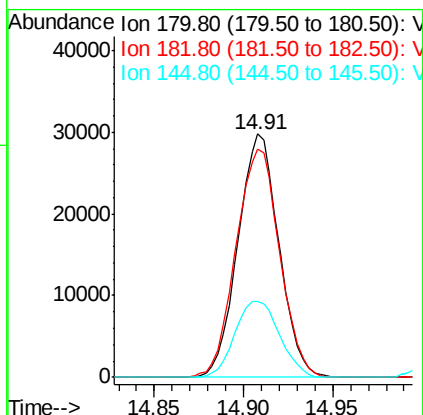
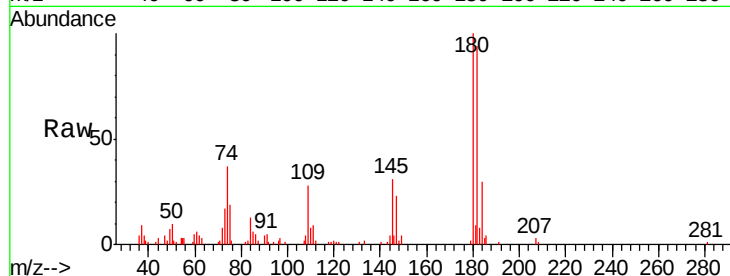




#93
 1,2,4-Trichlorobenzene
 Concen: 19.59 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

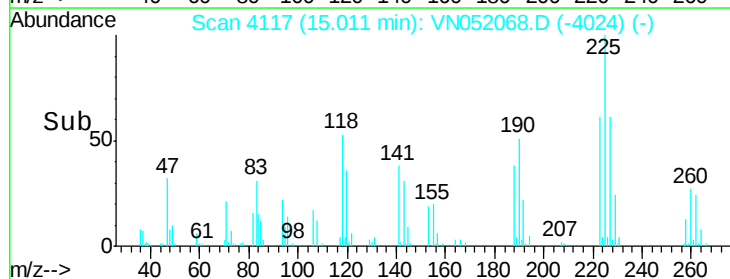
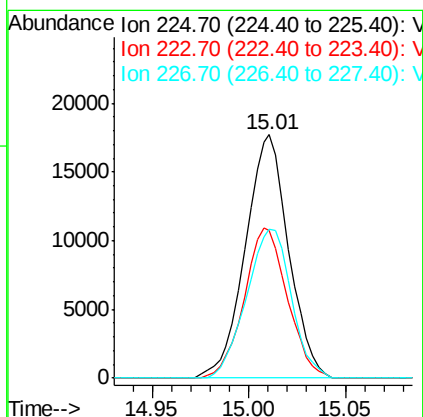
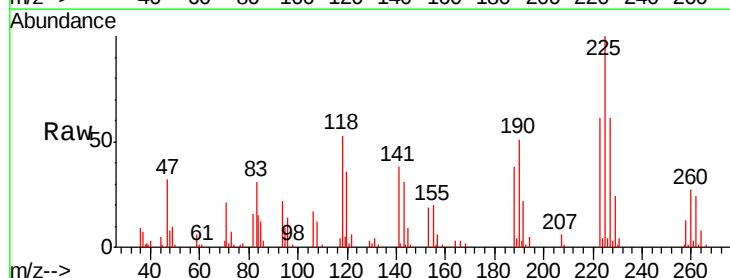
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

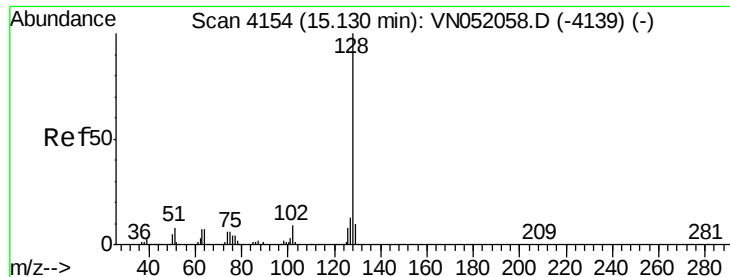
Tgt Ion:180 Resp: 47812
 Ion Ratio Lower Upper
 180 100
 182 99.7 49.1 147.4
 145 34.1 16.4 49.2



#94
 Hexachlorobutadiene
 Concen: 20.17 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion:225 Resp: 27542
 Ion Ratio Lower Upper
 225 100
 223 61.5 33.1 99.3
 227 63.4 32.6 97.8





#95

Naphthalene

Concen: 20.25 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

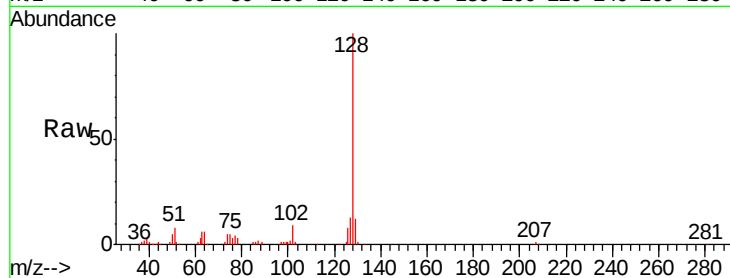
Tgt Ion:128 Resp: 123930

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

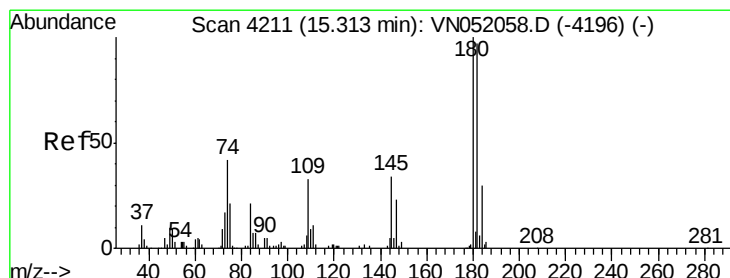
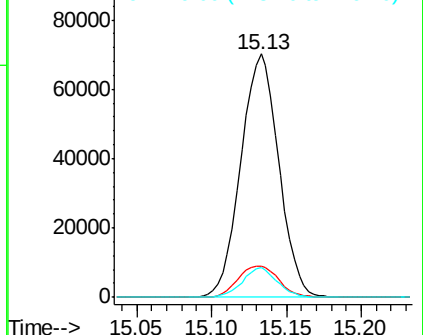
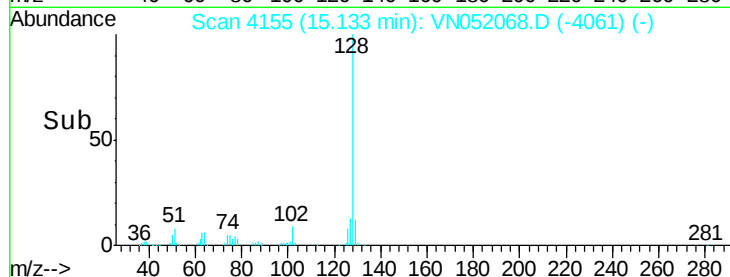
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.20 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

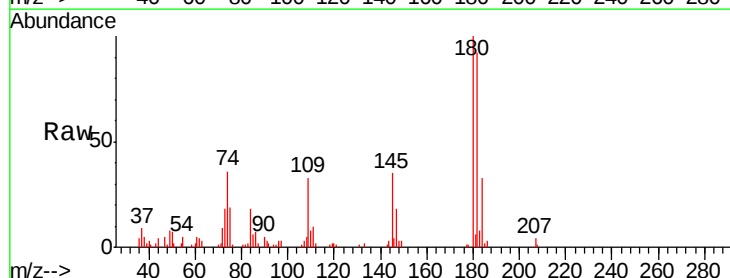
Tgt Ion:180 Resp: 42538

Ion Ratio Lower Upper

180 100

182 96.6 47.2 141.6

145 36.2 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

