

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
 Data File : VN052070.D
 Acq On : 31 Oct 2018 13:38
 Operator : MD\SY
 Sample : VN1031WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Quant Time: Oct 31 14:16:01 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	328335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	600847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	534454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	211477	40.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.28%	
35) Dibromofluoromethane	7.59	113	179111	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	10.09	98	690590	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
62) 4-Bromofluorobenzene	12.40	95	227822	41.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	80709	20.22	ug/l	97
3) Chloromethane	2.06	50	92277	18.35	ug/l	99
4) Vinyl Chloride	2.19	62	93307	17.24	ug/l	98
5) Bromomethane	2.57	94	60840	14.98	ug/l	90
6) Chloroethane	2.71	64	56481	16.16	ug/l	94
7) Trichlorofluoromethane	3.03	101	126410	20.45	ug/l	95
8) Diethyl Ether	3.41	74	40735	17.66	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	72872	19.98	ug/l	97
10) Methyl Iodide	3.96	142	92811	19.42	ug/l	99
11) Tert butyl alcohol	4.78	59	17567	66.58	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	64861	18.83	ug/l	89
13) Acrolein	3.61	56	21450	97.10	ug/l	96
14) Allyl chloride	4.33	41	115988	16.83	ug/l	99
15) Acrylonitrile	4.99	53	119455	79.20	ug/l	98
16) Acetone	3.82	43	78326	69.64	ug/l	100
17) Carbon Disulfide	4.06	76	184850	17.03	ug/l	98
18) Methyl Acetate	4.33	43	56590	15.81	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	190893	16.87	ug/l	96
20) Methylene Chloride	4.56	84	79067	18.45	ug/l	92
21) trans-1,2-Dichloroethene	5.05	96	72552	18.47	ug/l	93
22) Diisopropyl ether	5.95	45	254864	17.11	ug/l	98
23) Vinyl Acetate	5.90	43	846646	82.01	ug/l	96
24) 1,1-Dichloroethane	5.86	63	145200	17.43	ug/l	97
25) 2-Butanone	6.84	43	132105	74.89	ug/l	95
26) 2,2-Dichloropropane	6.82	77	109080	16.49	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	84478	18.01	ug/l	95
28) Bromochloromethane	7.20	49	64604	15.65	ug/l #	90
29) Tetrahydrofuran	7.21	42	84701	72.07	ug/l	92
30) Chloroform	7.37	83	149002	17.92	ug/l	98
31) Cyclohexane	7.66	56	139529	16.07	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	124347	18.59	ug/l	97
36) 1,1-Dichloropropene	7.79	75	109589	17.94	ug/l	96
37) Ethyl Acetate	6.93	43	60019	14.68	ug/l #	73
38) Carbon Tetrachloride	7.78	117	105984	20.12	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	130995	18.07	ug/l	95
40) Benzene	8.04	78	330407	18.70	ug/l	96
41) Methacrylonitrile	7.18	41	40583	19.32	ug/l	91
42) 1,2-Dichloroethane	8.13	62	106398	16.32	ug/l	97
43) Isopropyl Acetate	8.16	43	115793	15.92	ug/l	99
44) Trichloroethene	8.84	130	78175	19.78	ug/l	94
45) 1,2-Dichloropropane	9.12	63	86720	17.23	ug/l	99
46) Dibromomethane	9.21	93	52254	18.57	ug/l	93
47) Bromodichloromethane	9.40	83	106085	18.08	ug/l	94
48) Methyl methacrylate	9.20	41	59835	16.23	ug/l	99
49) 1,4-Dioxane	9.20	88	8915	306.16	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	316969	80.18	ug/l	100
52) Toluene	10.16	92	201512	18.89	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	103090	16.62	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	119373	17.33	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	69788	18.37	ug/l	97
56) Ethyl methacrylate	10.43	69	89851	16.53	ug/l	95
57) 1,3-Dichloropropane	10.71	76	120075	17.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	247593	85.65	ug/l	95
59) 2-Hexanone	10.75	43	204779	72.69	ug/l	99
60) Dibromochloromethane	10.90	129	71040	18.99	ug/l	99
61) 1,2-Dibromoethane	11.01	107	70477	18.66	ug/l	100
64) Tetrachloroethene	10.63	164	67332	20.80	ug/l	98
65) Chlorobenzene	11.43	112	217743	19.34	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	72471	20.50	ug/l	98
67) Ethyl Benzene	11.51	91	379714	18.92	ug/l	98
68) m/p-Xylenes	11.62	106	289212	40.25	ug/l	96
69) o-Xylene	11.95	106	143511	20.18	ug/l	93
70) Styrene	11.96	104	221567	19.26	ug/l	98
71) Bromoform	12.13	173	36225	17.43	ug/l #	96
73) Isopropylbenzene	12.25	105	364247	19.61	ug/l	96
74) N-amyl acetate	12.07	43	100833	15.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	81560	18.32	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	100724	25.34	ug/l #	100
77) Bromobenzene	12.53	156	80784	20.79	ug/l	86
78) n-propylbenzene	12.59	91	421110	18.71	ug/l	99
79) 2-Chlorotoluene	12.67	91	242352	18.48	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	300799	19.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18783	15.68	ug/l	98
82) 4-Chlorotoluene	12.77	91	249278	18.64	ug/l	95
83) tert-Butylbenzene	12.99	119	248036	19.54	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	293647	19.52	ug/l	98
85) sec-Butylbenzene	13.17	105	343163	18.92	ug/l	97
86) p-Isopropyltoluene	13.29	119	289014	19.57	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	139811	19.73	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	135135	19.03	ug/l	98
89) n-Butylbenzene	13.61	91	246841	17.53	ug/l	99
90) Hexachloroethane	13.88	117	46054	18.20	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	136612	20.51	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11073	17.85	ug/l	95

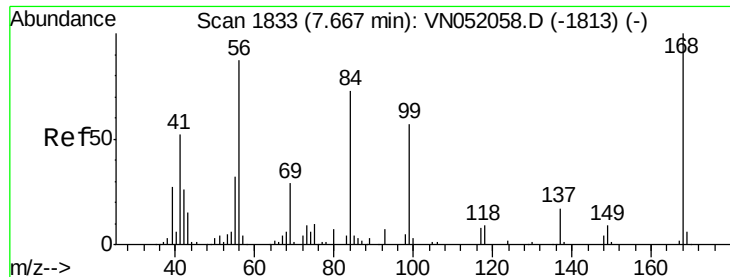
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50864	20.50	ug/l	94
94) Hexachlorobutadiene	15.01	225	28358	20.42	ug/l	97
95) Naphthalene	15.13	128	111151	17.86	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43842	20.48	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

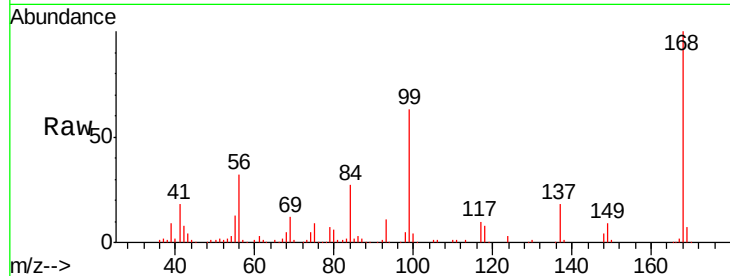
VN1031WBSD01

Tgt Ion:168 Resp: 328335

Ion Ratio Lower Upper

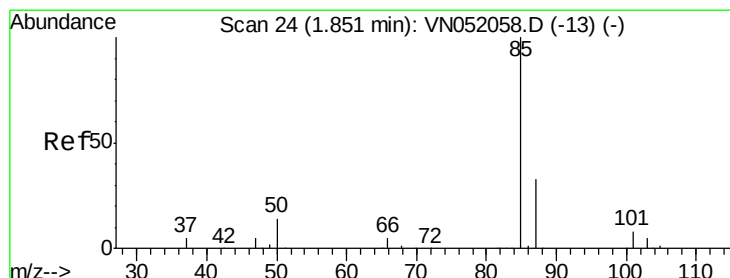
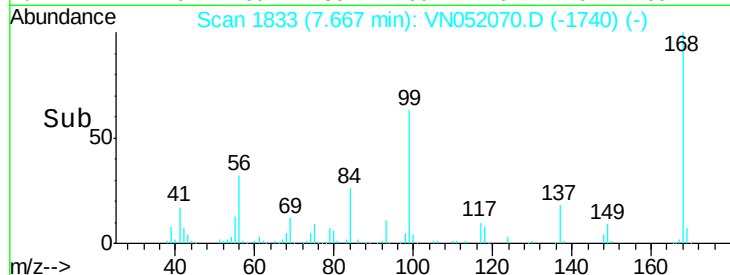
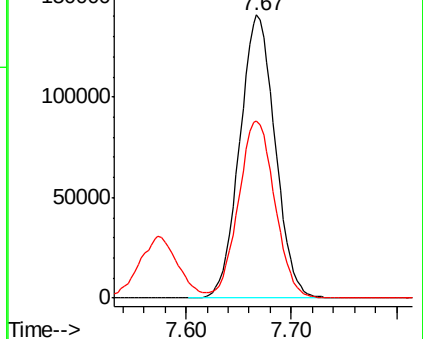
168 100

99 62.6 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.22 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052070.D

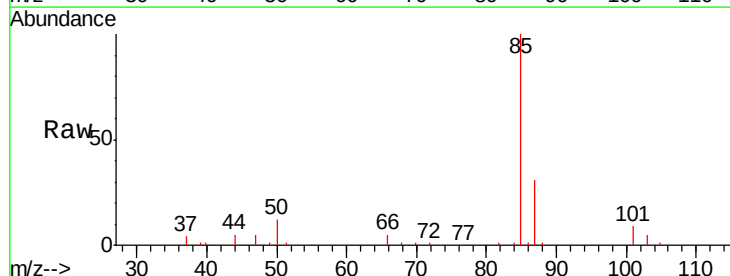
Acq: 31 Oct 2018 13:38

Tgt Ion: 85 Resp: 80709

Ion Ratio Lower Upper

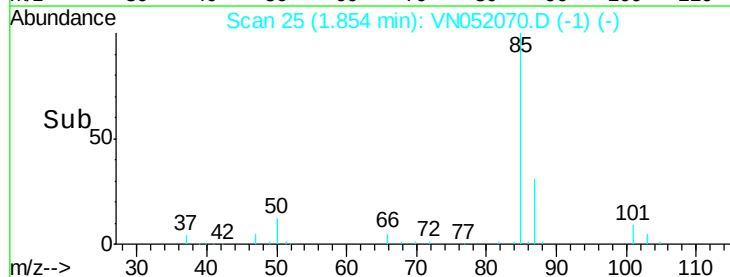
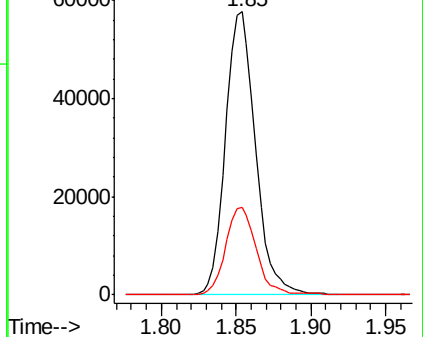
85 100

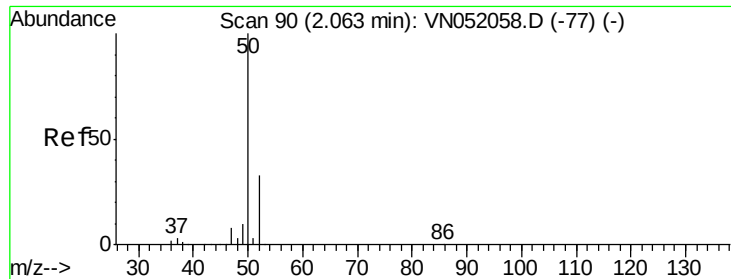
87 30.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.35 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

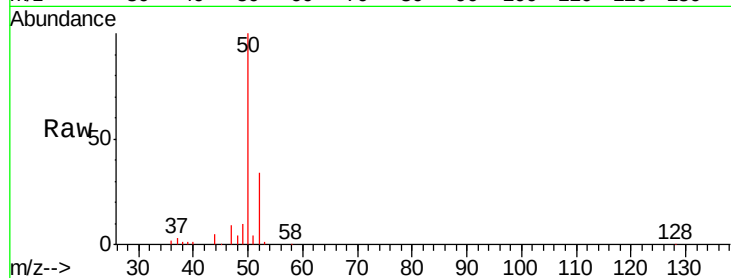
VN1031WBSD01

Tgt Ion: 50 Resp: 92277

Ion Ratio Lower Upper

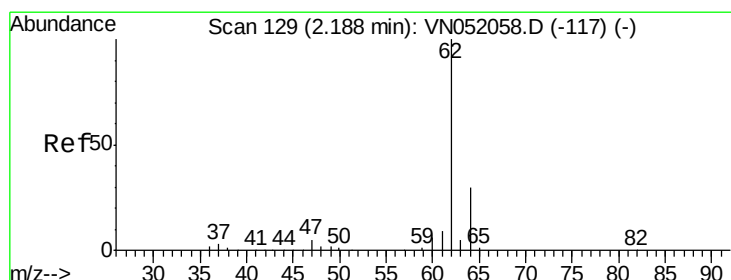
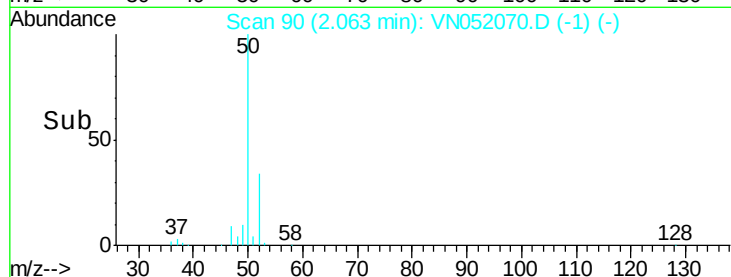
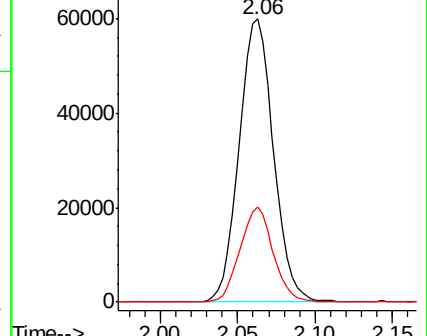
50 100

52 33.6 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: 17.24 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052070.D

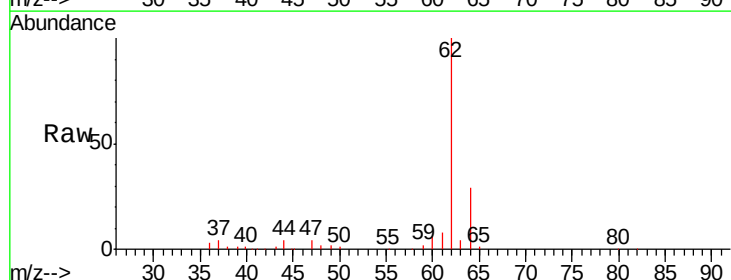
Acq: 31 Oct 2018 13:38

Tgt Ion: 62 Resp: 93307

Ion Ratio Lower Upper

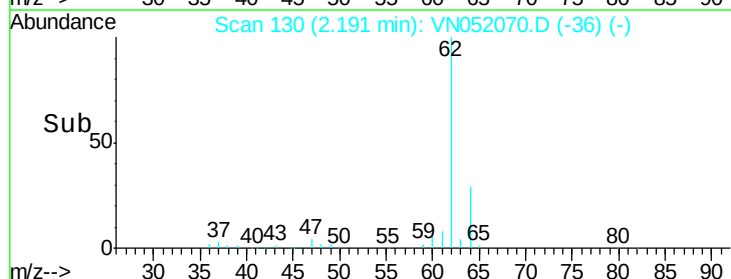
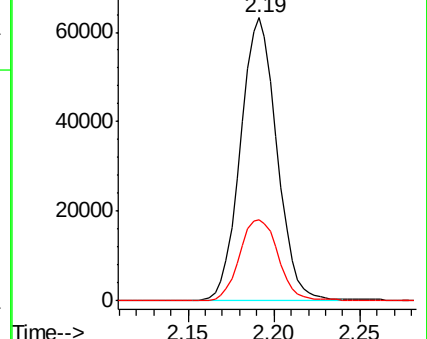
62 100

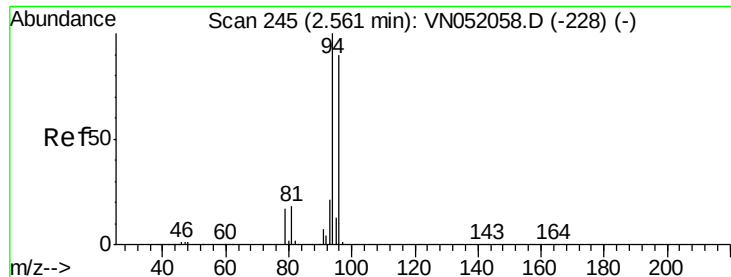
64 28.5 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.98 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

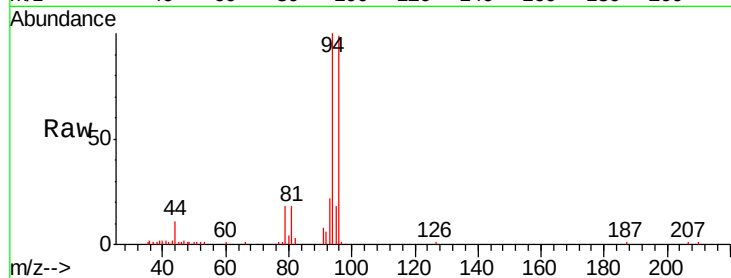
VN1031WBSD01

Tgt Ion: 94 Resp: 60840

Ion Ratio Lower Upper

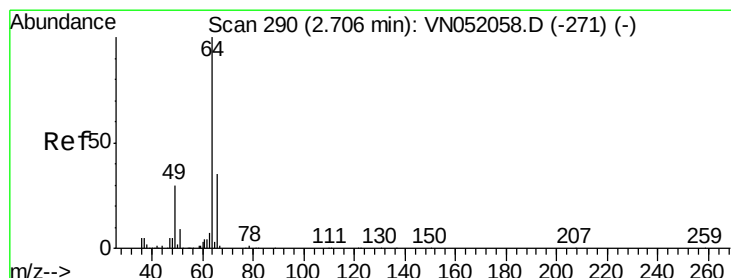
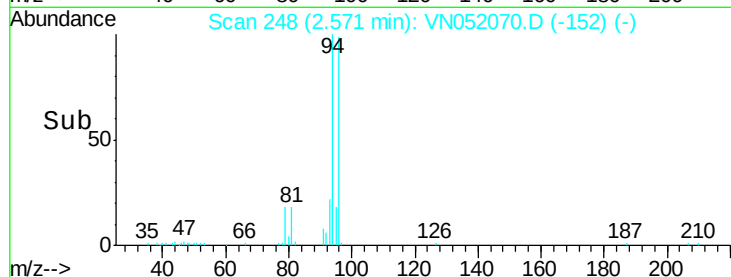
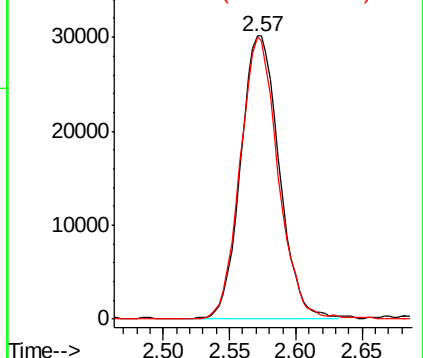
94 100

96 99.5 71.8 107.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.16 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN052070.D

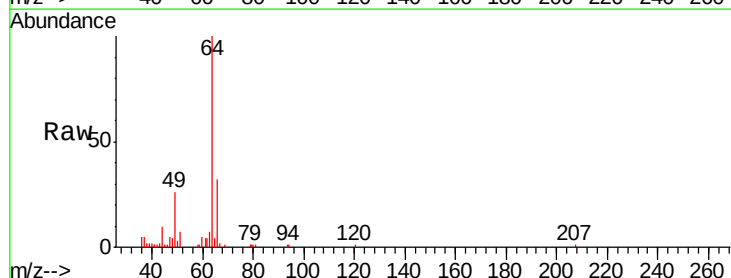
Acq: 31 Oct 2018 13:38

Tgt Ion: 64 Resp: 56481

Ion Ratio Lower Upper

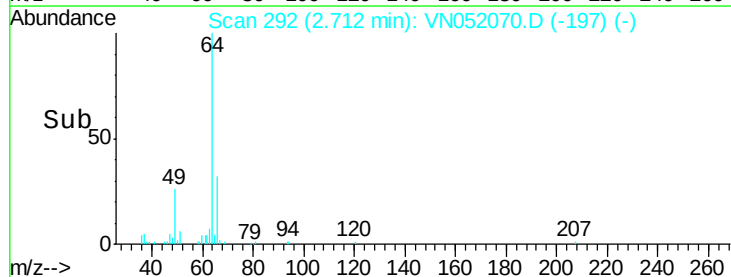
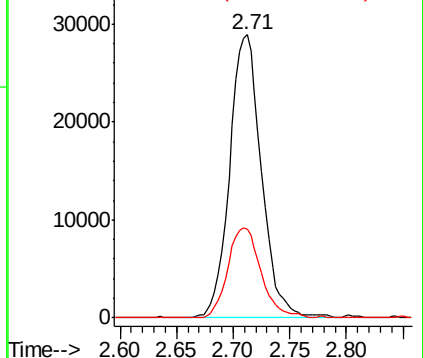
64 100

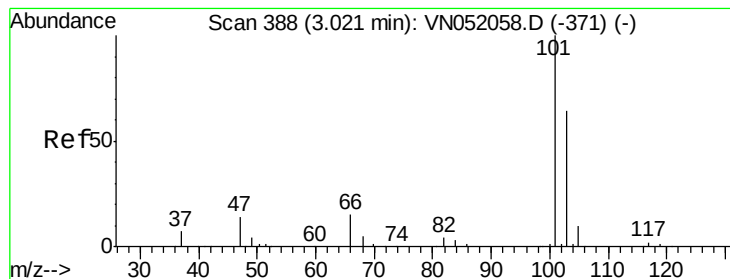
66 31.5 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



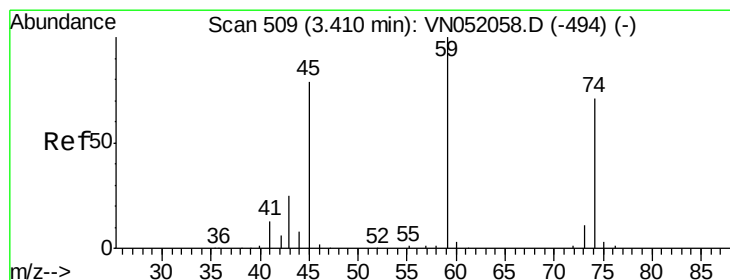
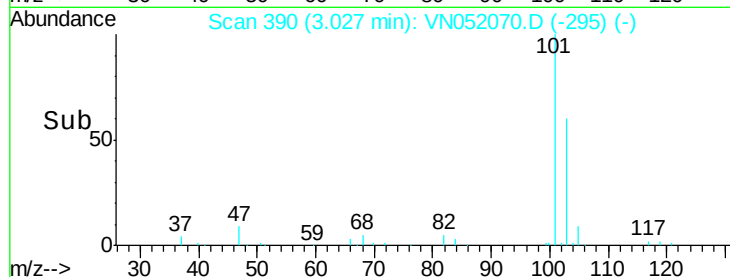
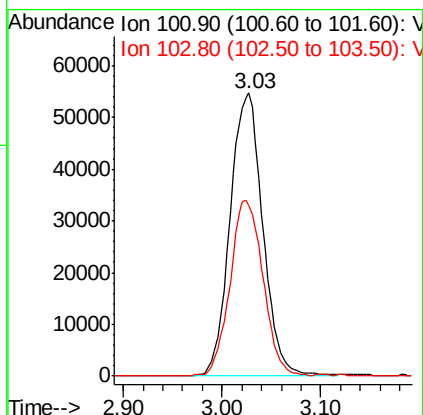
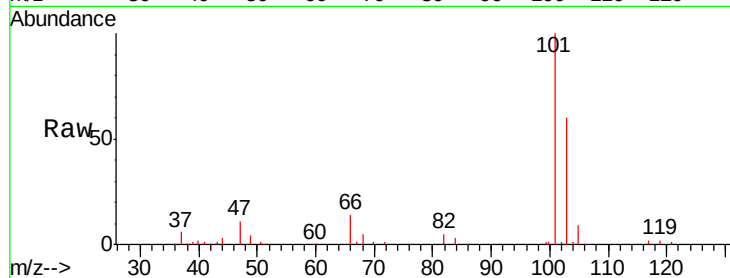


#7

Trichlorofluoromethane
 Concen: 20.45 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

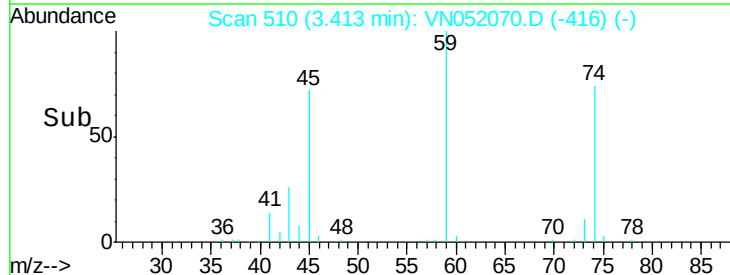
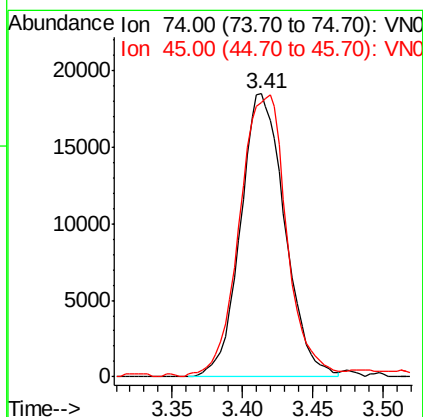
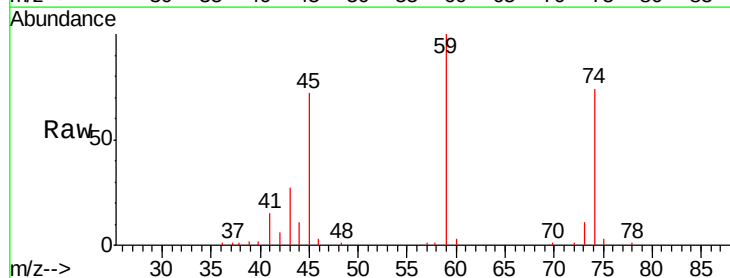
Tgt Ion:101 Resp: 126410
 Ion Ratio Lower Upper
 101 100
 103 60.1 51.0 76.4

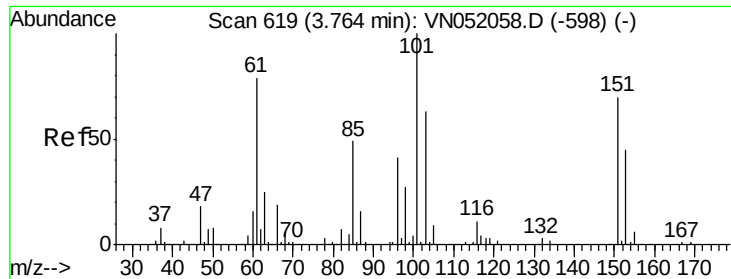


#8

Diethyl Ether
 Concen: 17.66 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 74 Resp: 40735
 Ion Ratio Lower Upper
 74 100
 45 105.7 55.6 166.8

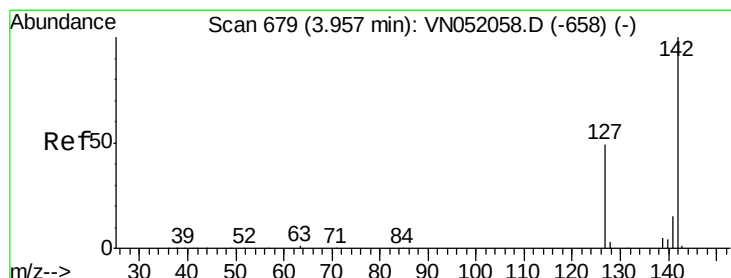
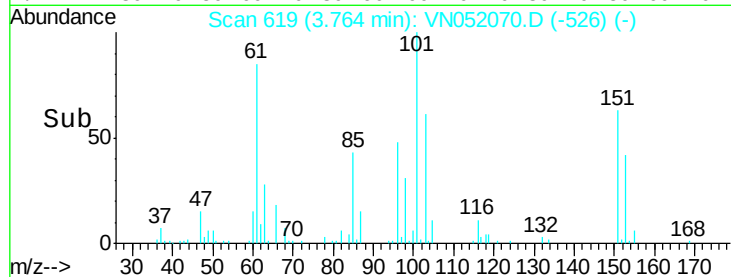
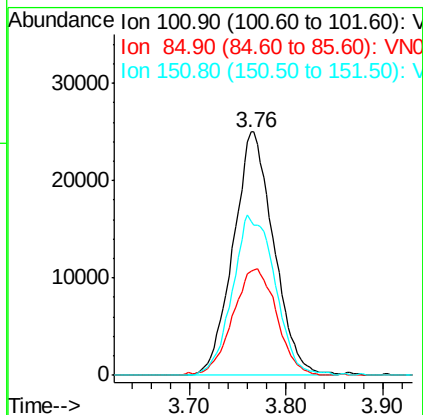
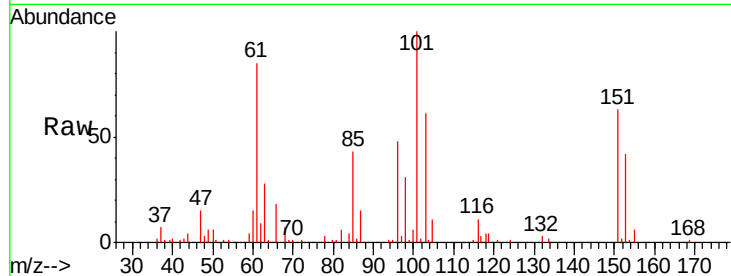




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.98 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

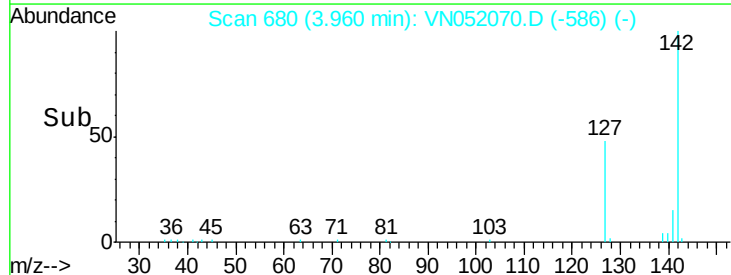
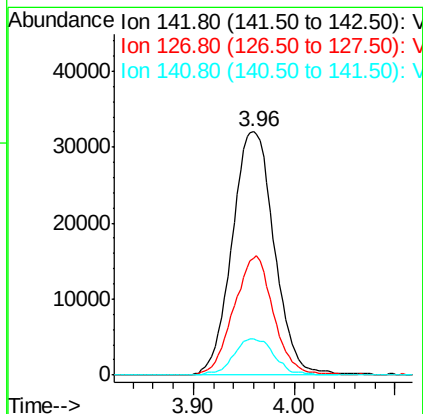
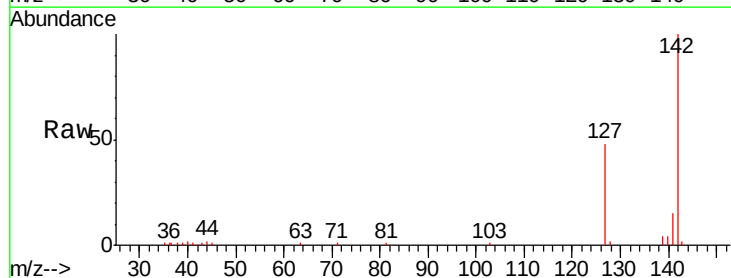
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

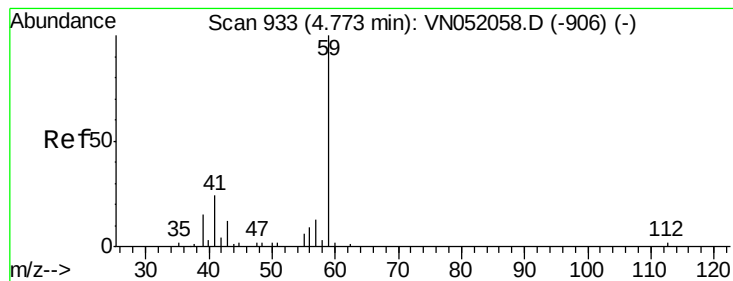
Tgt Ion:101 Resp: 72872
 Ion Ratio Lower Upper
 101 100
 85 47.0 38.6 58.0
 151 69.1 52.6 78.8



#10
 Methyl Iodide
 Concen: 19.42 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion:142 Resp: 92811
 Ion Ratio Lower Upper
 142 100
 127 45.8 37.3 55.9
 141 14.4 11.4 17.2





#11

Tert butyl alcohol

Concen: 66.58 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

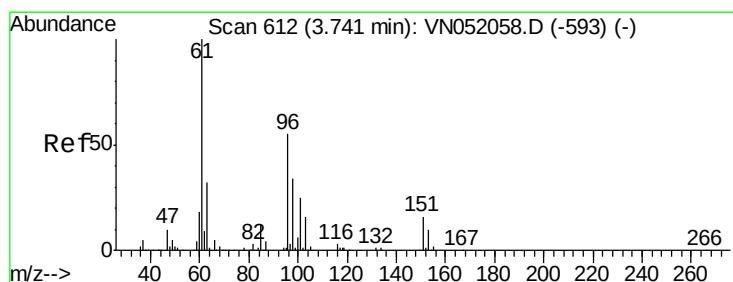
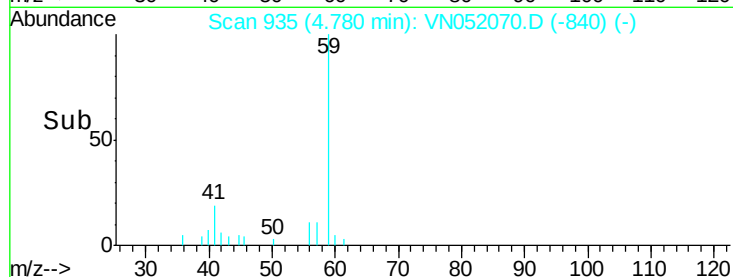
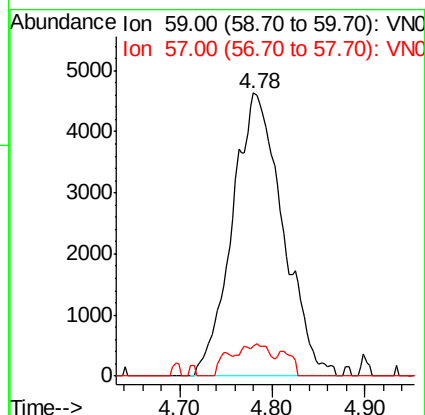
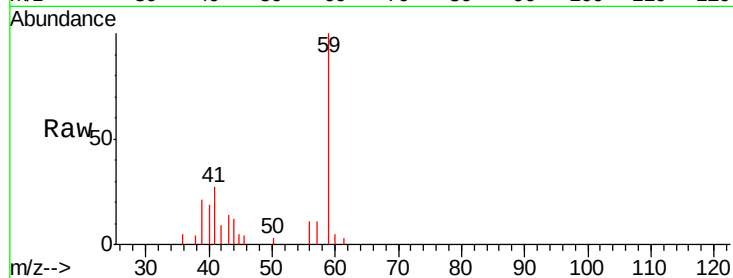
VN1031WBSD01

Tgt Ion: 59 Resp: 17567

Ion Ratio Lower Upper

59 100

57 6.2 7.0 10.6#



#12

1,1-Dichloroethene

Concen: 18.83 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

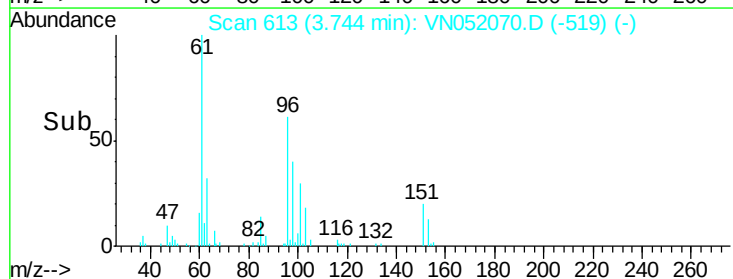
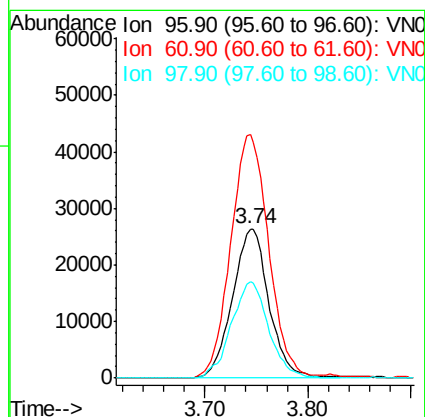
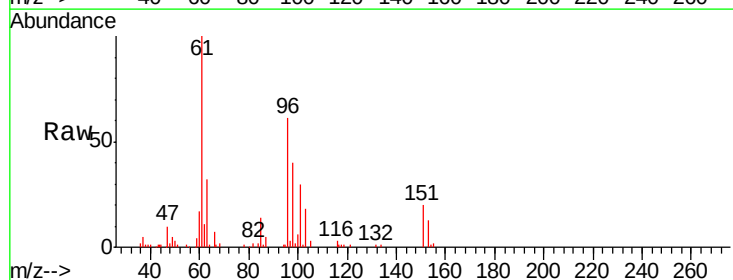
Tgt Ion: 96 Resp: 64861

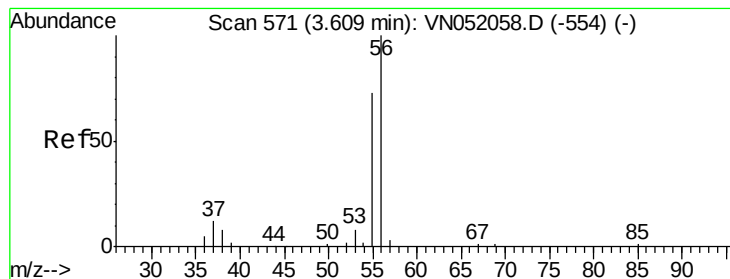
Ion Ratio Lower Upper

96 100

61 163.3 145.7 218.5

98 64.8 49.8 74.8





#13

Acrolein

Concen: 97.10 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

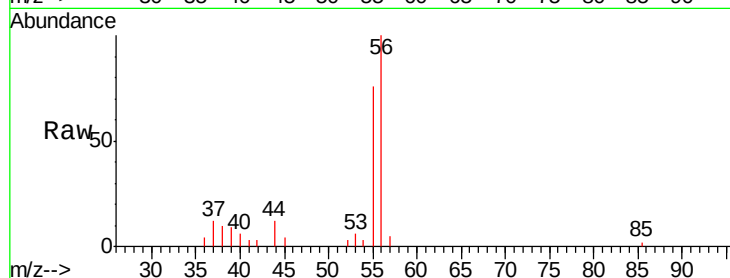
VN1031WBSD01

Tgt Ion: 56 Resp: 21450

Ion Ratio Lower Upper

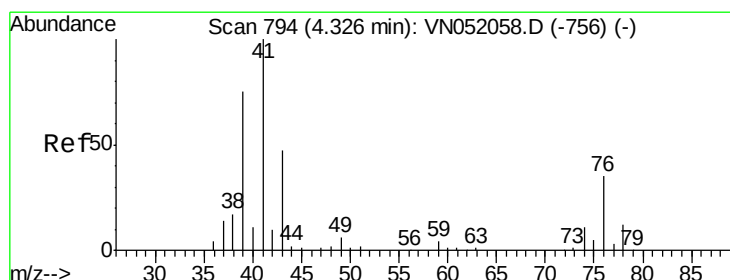
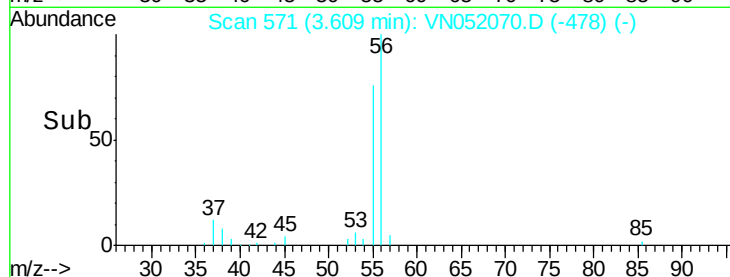
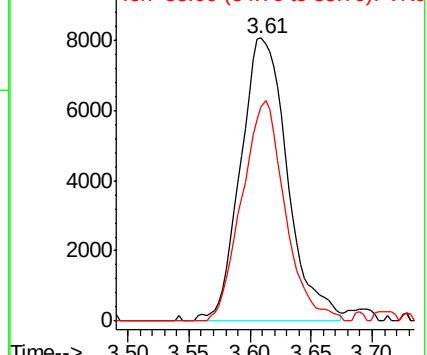
56 100

55 71.5 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.83 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

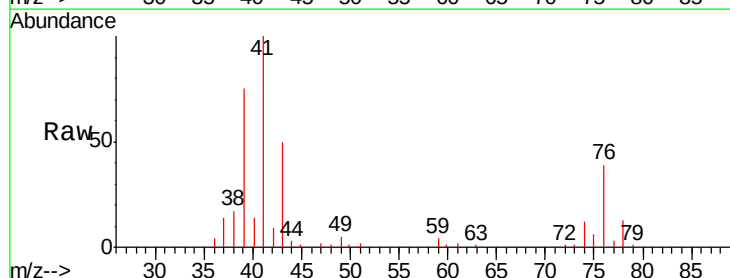
Tgt Ion: 41 Resp: 115988

Ion Ratio Lower Upper

41 100

39 72.7 58.1 87.1

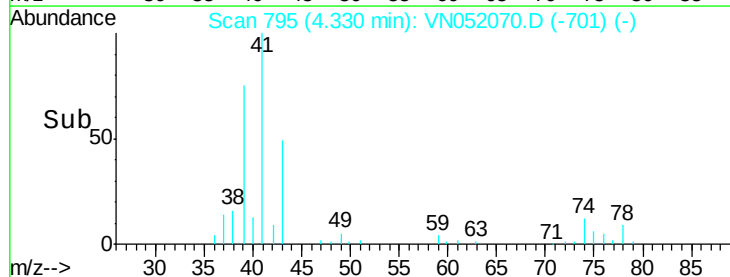
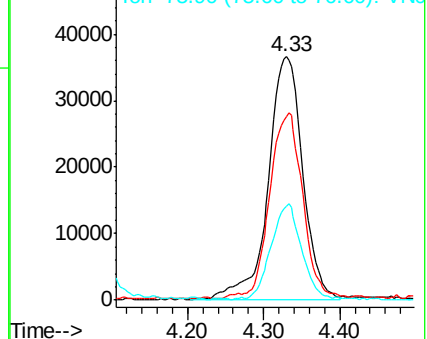
76 33.4 26.0 39.0

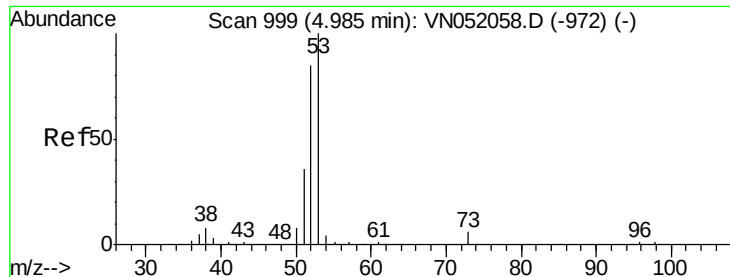


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 79.20 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

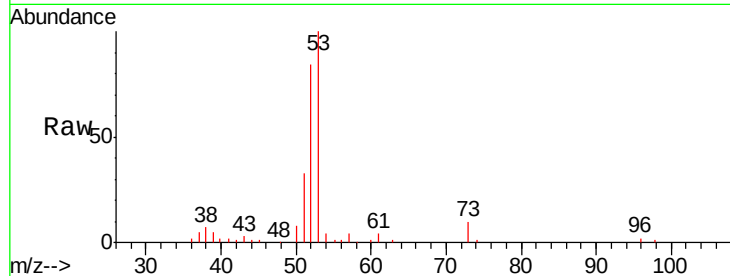
Tgt Ion: 53 Resp: 119455

Ion Ratio Lower Upper

53 100

52 81.9 66.6 100.0

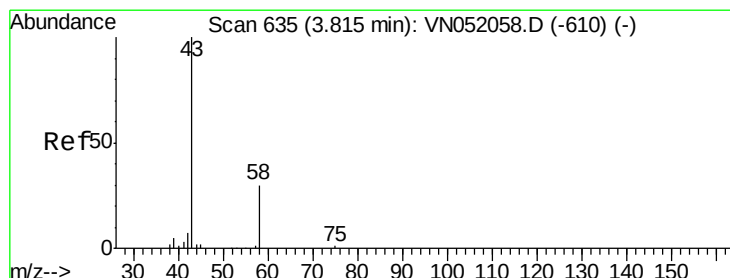
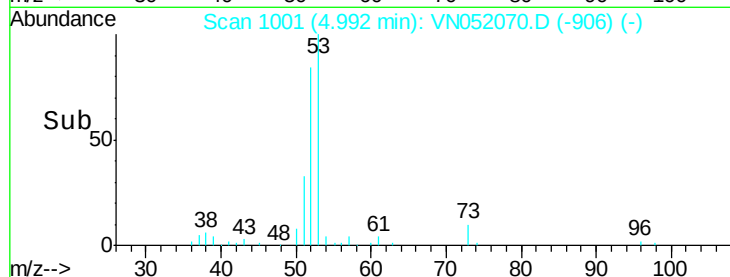
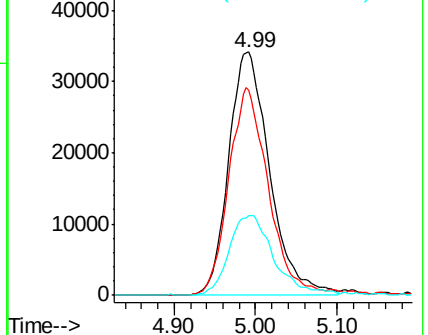
51 35.1 29.0 43.6



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: 69.64 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052070.D

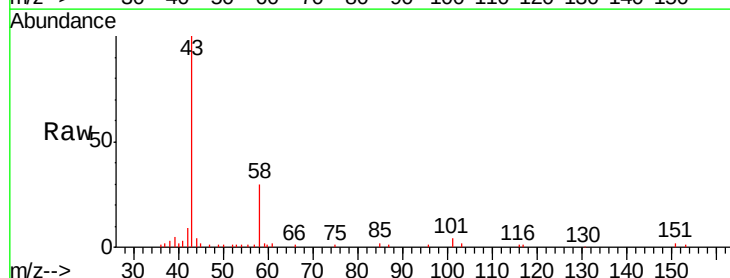
Acq: 31 Oct 2018 13:38

Tgt Ion: 43 Resp: 78326

Ion Ratio Lower Upper

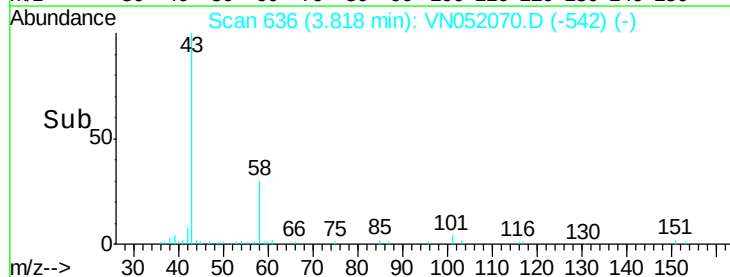
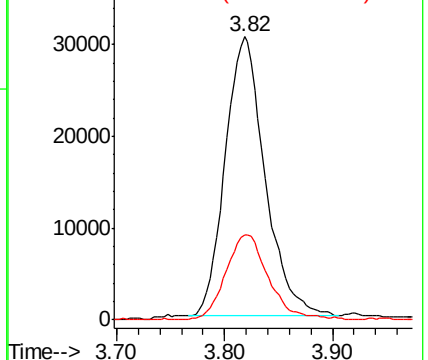
43 100

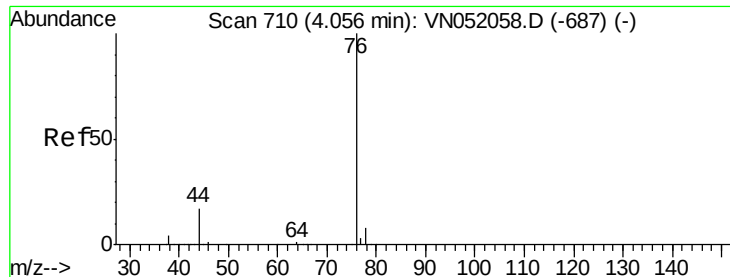
58 30.3 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

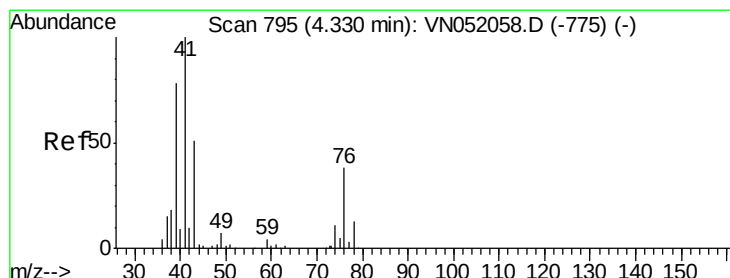
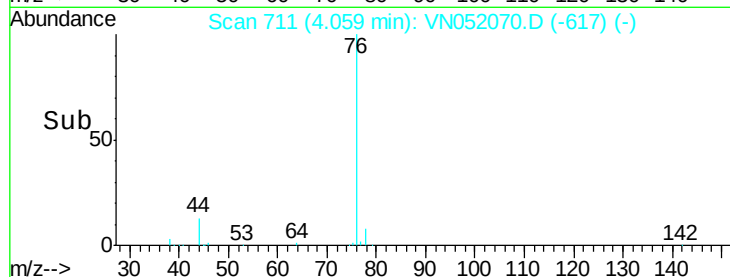
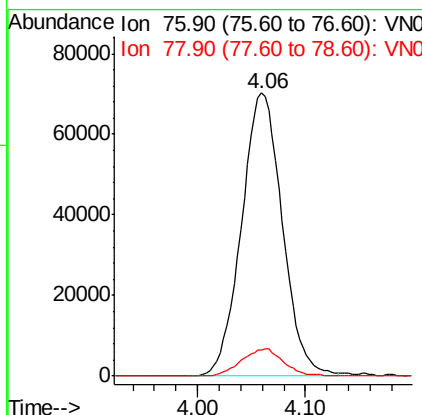
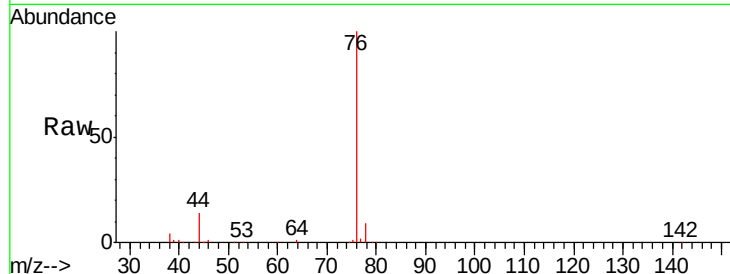




#17
Carbon Disulfide
Concen: 17.03 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

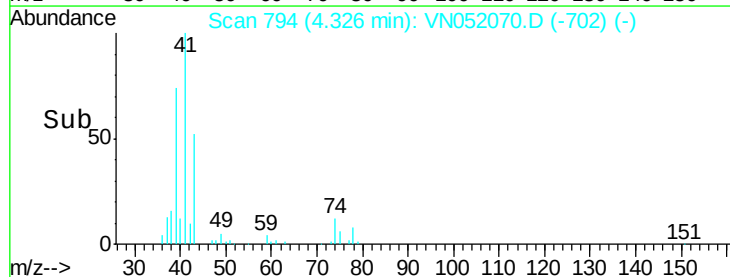
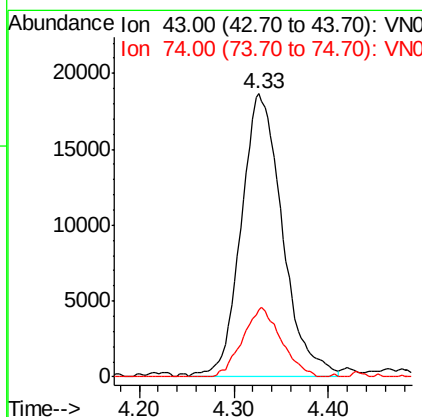
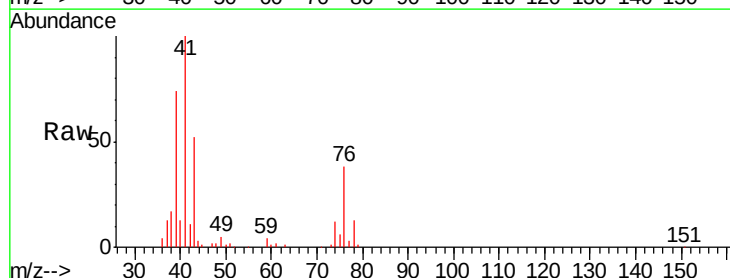
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

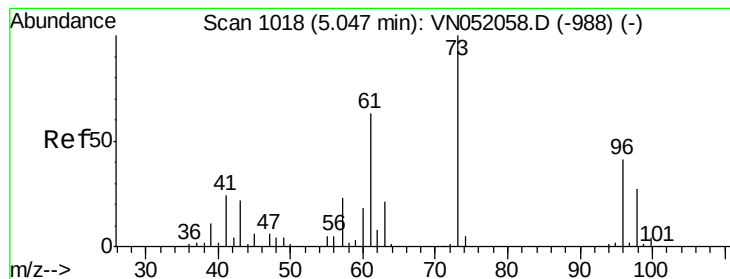
Tgt Ion: 76 Resp: 184850
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2



#18
Methyl Acetate
Concen: 15.81 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 43 Resp: 56590
Ion Ratio Lower Upper
43 100
74 22.9 17.9 26.9





#19

Methyl tert-butyl Ether

Concen: 16.87 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

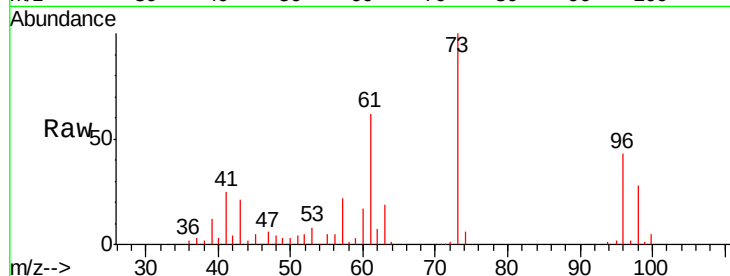
VN1031WBSD01

Tgt Ion: 73 Resp: 190893

Ion Ratio Lower Upper

73 100

57 21.7 18.7 28.1



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

60000

50000

40000

30000

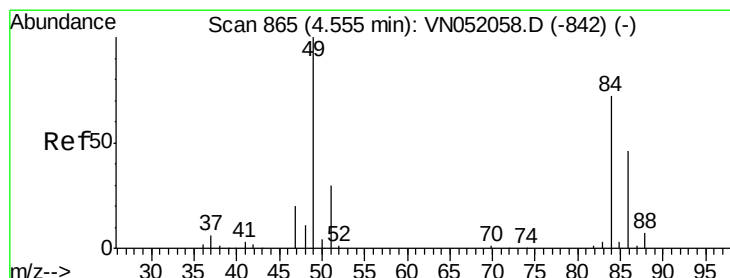
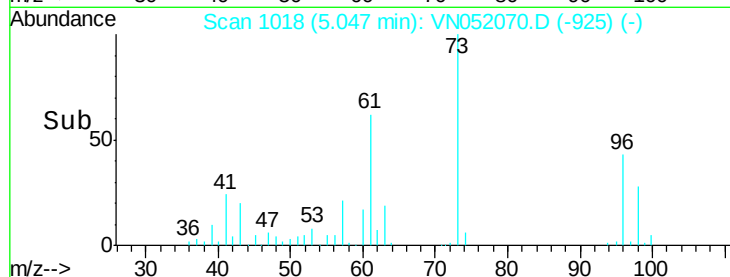
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 18.45 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion: 84 Resp: 79067

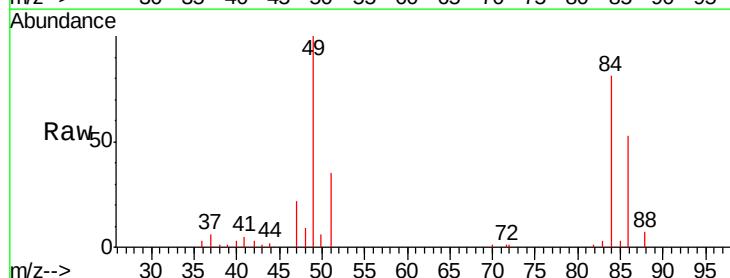
Ion Ratio Lower Upper

84 100

49 123.0 110.6 165.8

51 42.9 33.7 50.5

86 66.0 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

50000

40000

30000

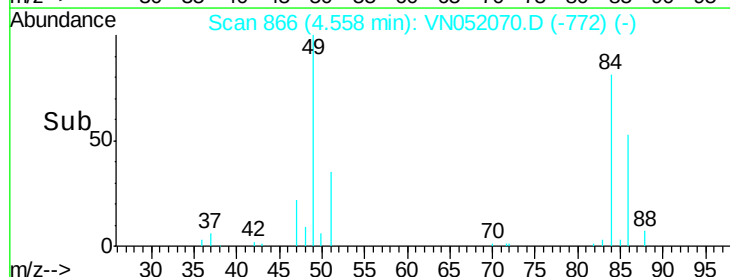
20000

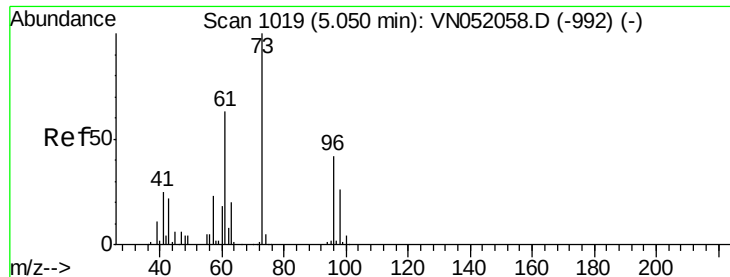
10000

0

Time-->

4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 18.47 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampled :

VN1031WBSD01

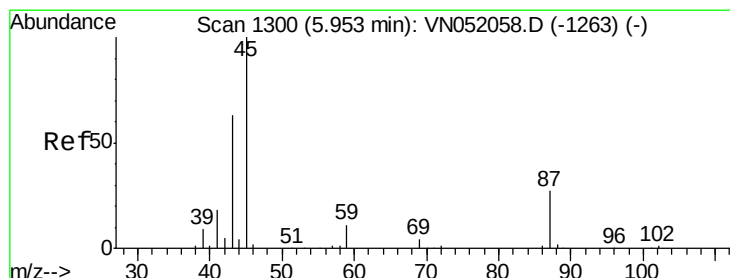
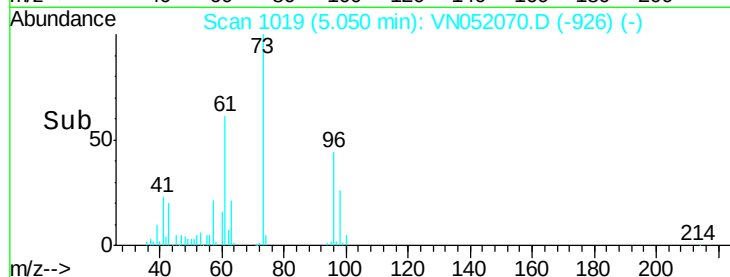
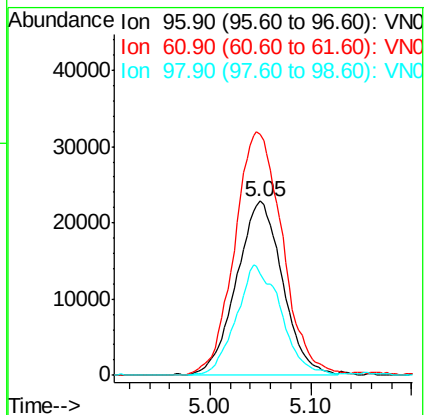
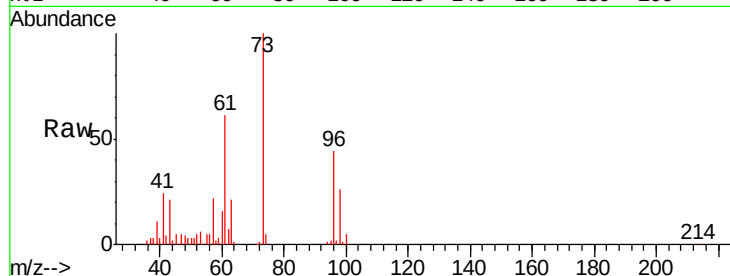
Tgt Ion: 96 Resp: 72552

Ion Ratio Lower Upper

96 100

61 137.7 118.6 178.0

98 58.4 49.7 74.5



#22

Diisopropyl ether

Concen: 17.11 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion: 45 Resp: 254864

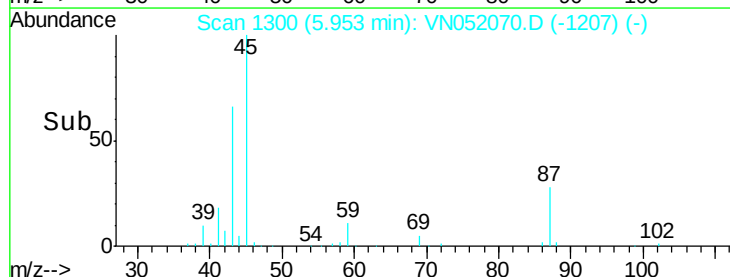
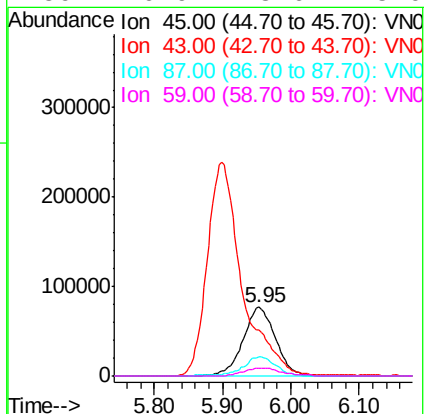
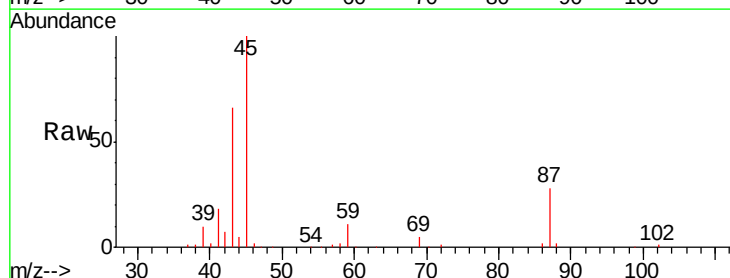
Ion Ratio Lower Upper

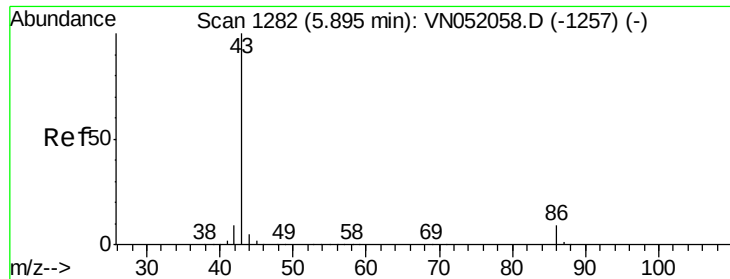
45 100

43 65.0 50.5 75.7

87 27.3 21.5 32.3

59 10.9 8.6 13.0





#23

Vinyl Acetate

Concen: 82.01 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

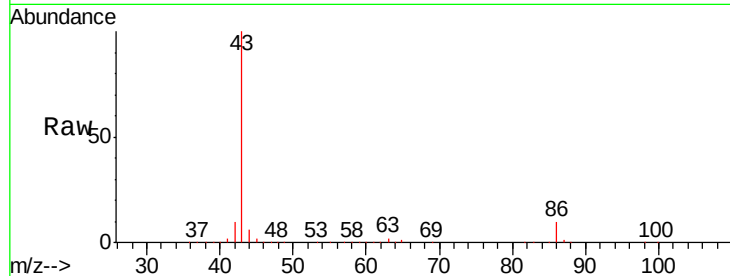
VN1031WBSD01

Tgt Ion: 43 Resp: 846646

Ion Ratio Lower Upper

43 100

86 10.4 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN052070.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052070.D (-1189) (-)

5.90

250000

200000

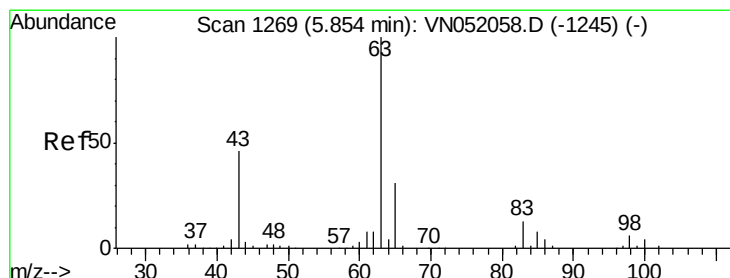
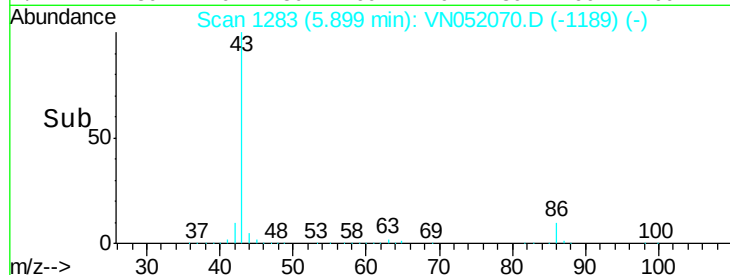
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.43 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

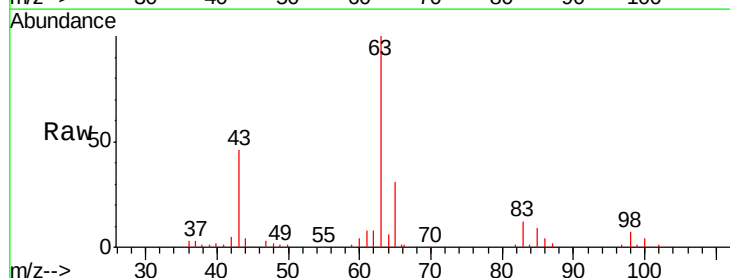
Tgt Ion: 63 Resp: 145200

Ion Ratio Lower Upper

63 100

98 6.9 2.8 8.4

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052070.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN052070.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN052070.D (-1176) (-)

5.86

60000

50000

40000

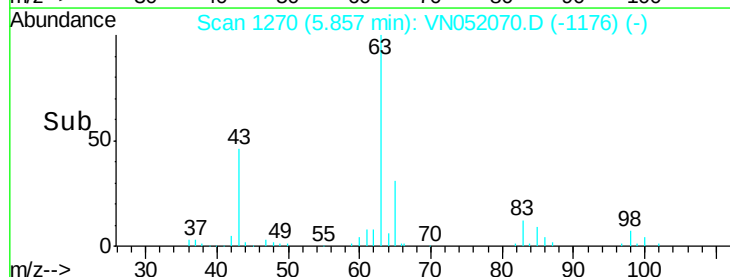
30000

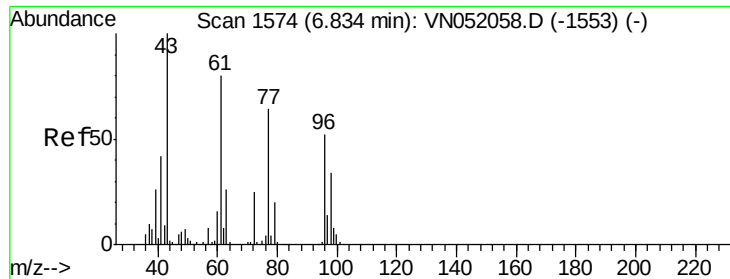
20000

10000

0

Time-->





#25

2-Butanone

Concen: 74.89 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampled :

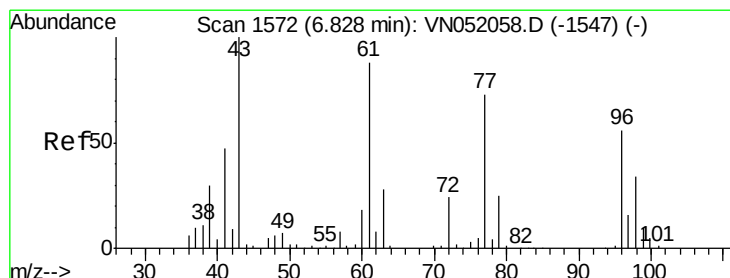
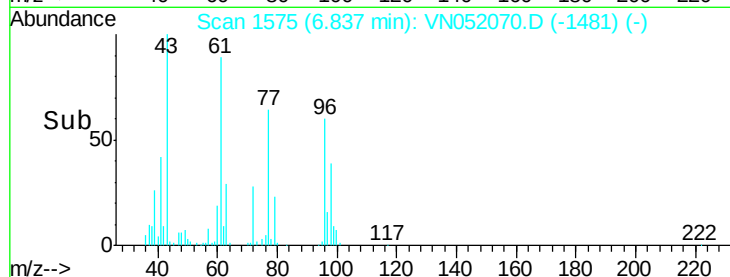
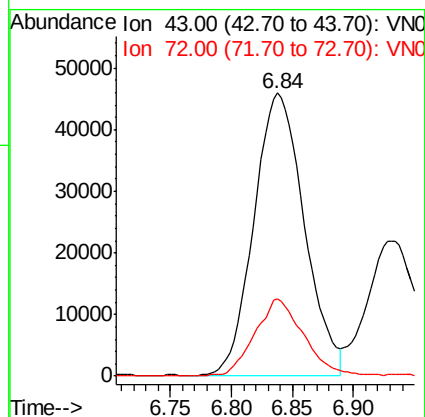
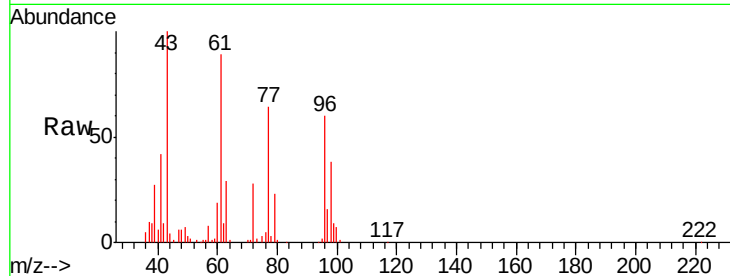
VN1031WBSD01

Tgt Ion: 43 Resp: 132105

Ion Ratio Lower Upper

43 100

72 27.5 20.2 30.2



#26

2,2-Dichloropropane

Concen: 16.49 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052070.D

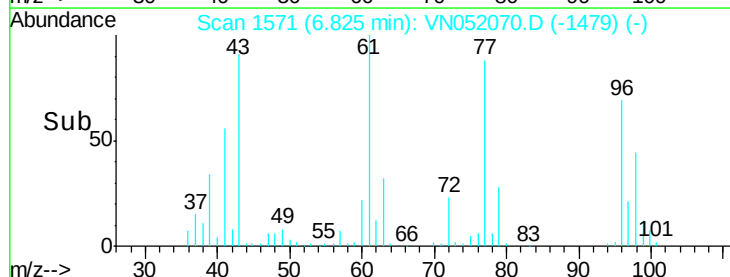
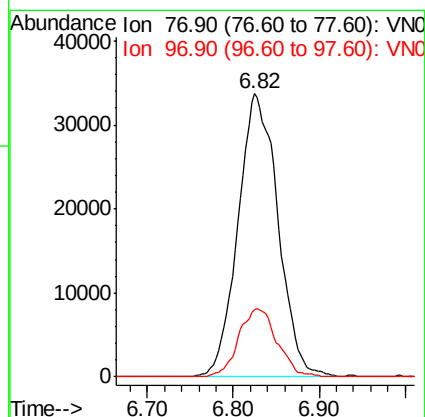
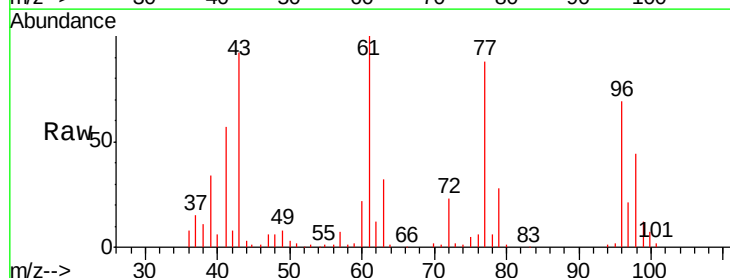
Acq: 31 Oct 2018 13:38

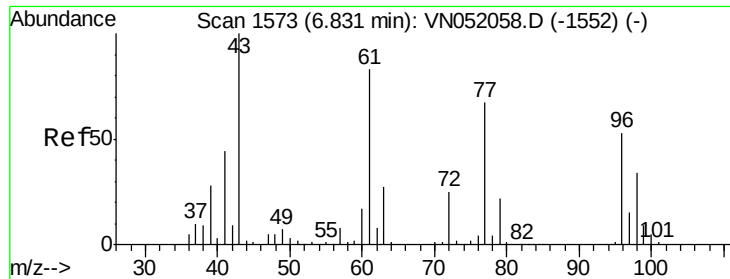
Tgt Ion: 77 Resp: 109080

Ion Ratio Lower Upper

77 100

97 23.0 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.01 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

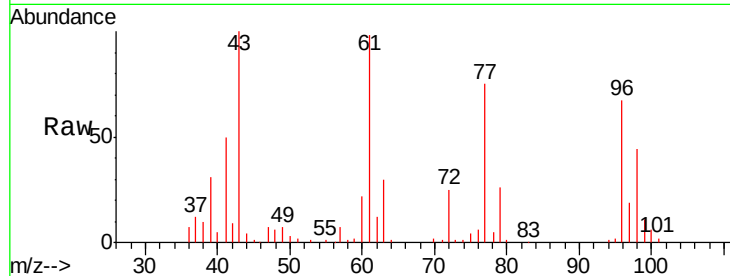
Tgt Ion: 96 Resp: 84478

Ion Ratio Lower Upper

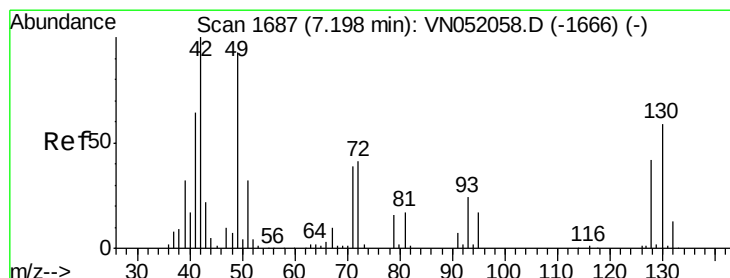
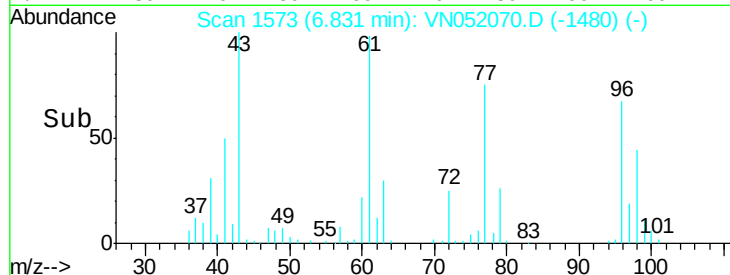
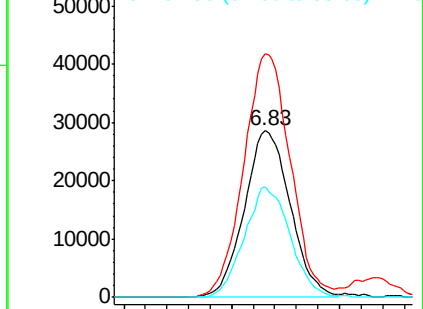
96 100

61 148.7 0.0 312.8

98 66.3 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: 15.65 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

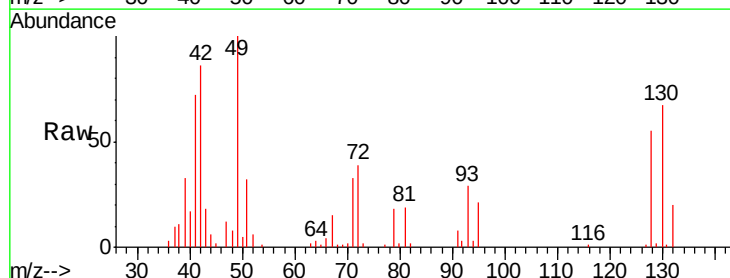
Tgt Ion: 49 Resp: 64604

Ion Ratio Lower Upper

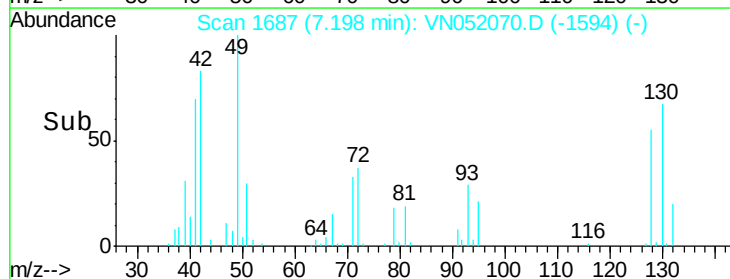
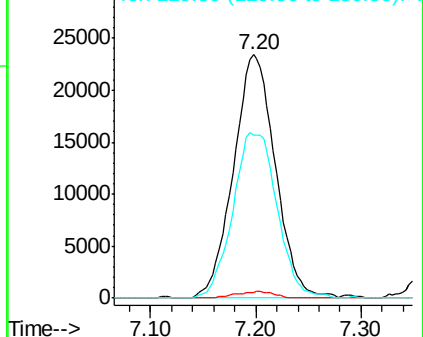
49 100

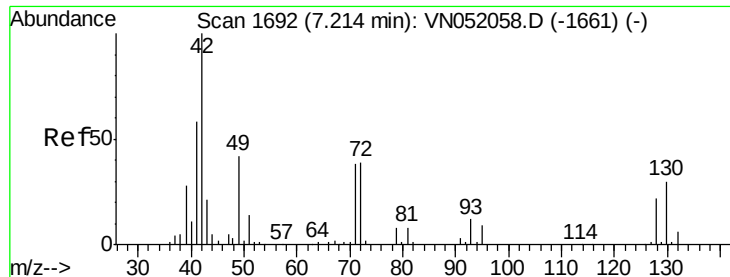
129 2.4 0.0 2.4#

130 71.8 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: 72.07 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampled :

VN1031WBSD01

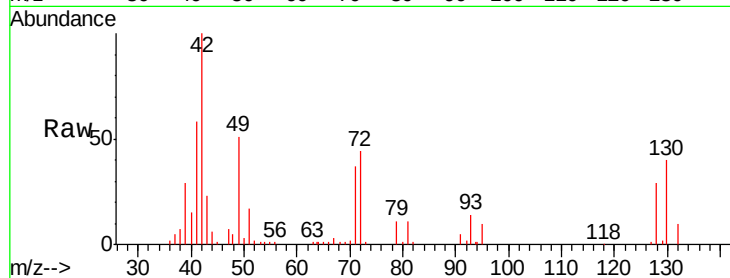
Tgt Ion: 42 Resp: 84701

Ion Ratio Lower Upper

42 100

72 46.8 32.5 48.7

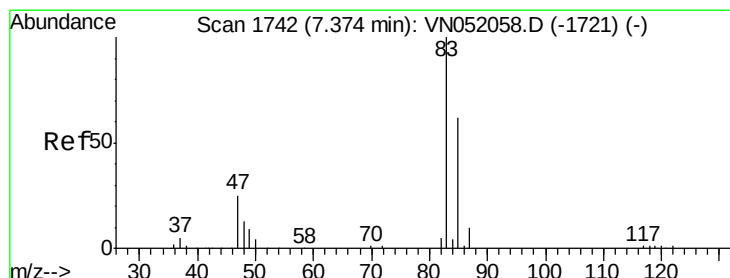
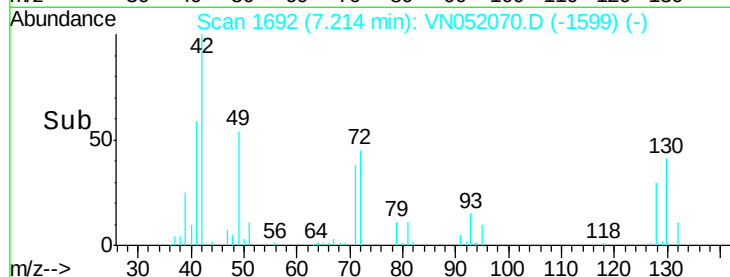
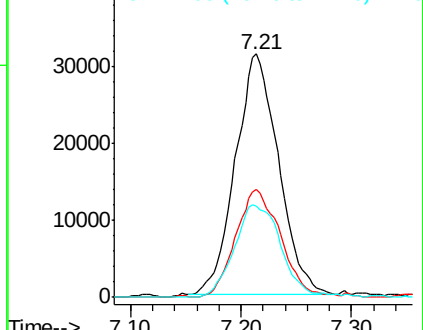
71 42.0 30.6 46.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 17.92 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN052070.D

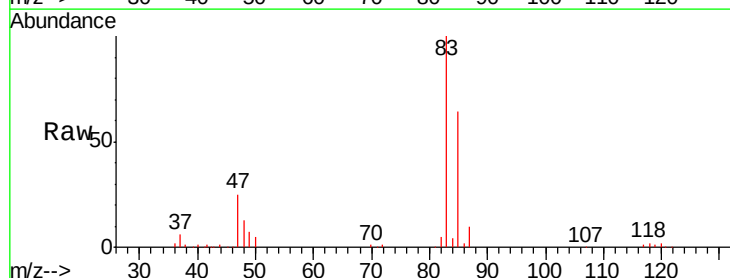
Acq: 31 Oct 2018 13:38

Tgt Ion: 83 Resp: 149002

Ion Ratio Lower Upper

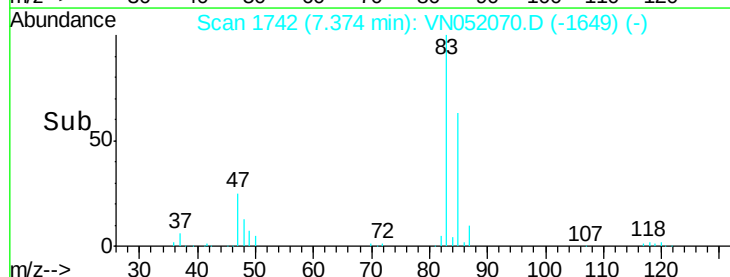
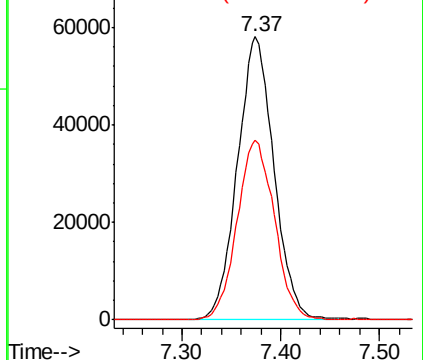
83 100

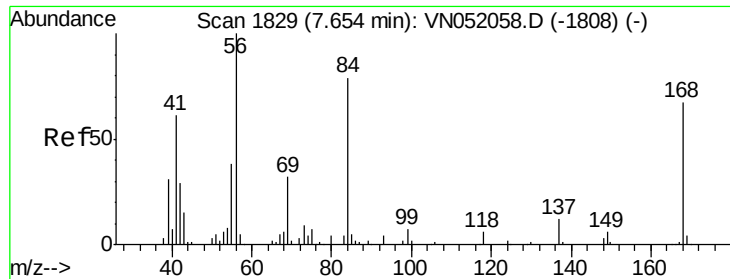
85 63.5 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

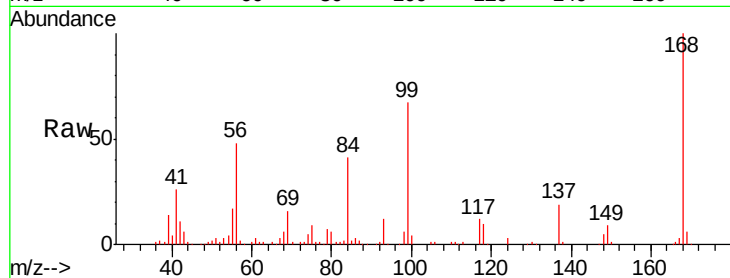




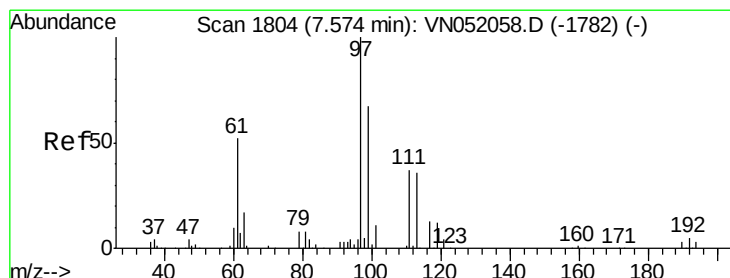
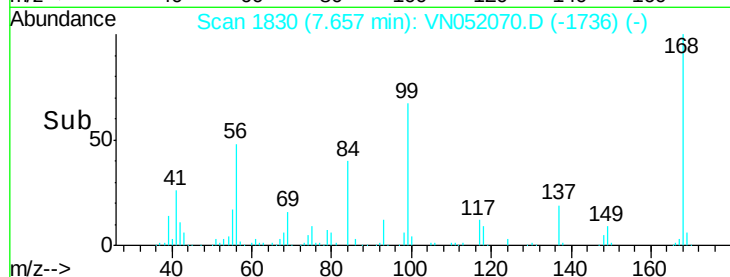
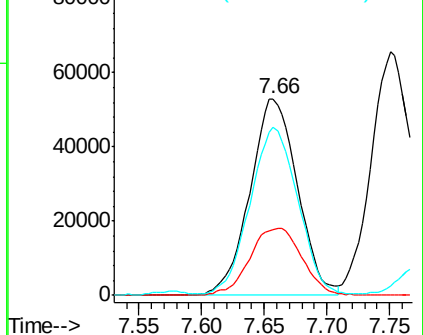
#31
Cyclohexane
Concen: 16.07 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion: 56 Resp: 139529
Ion Ratio Lower Upper
56 100
69 33.2 25.8 38.6
84 84.5 63.5 95.3

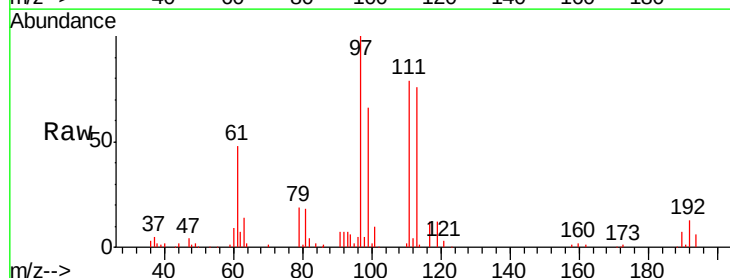


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

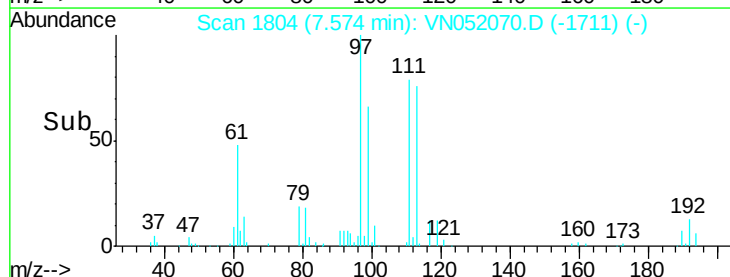
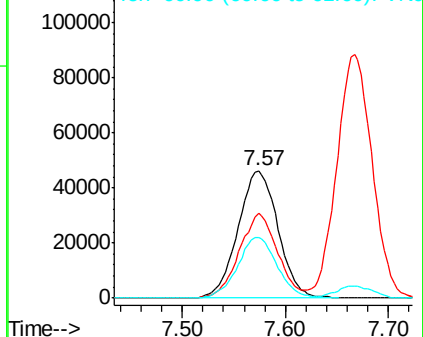


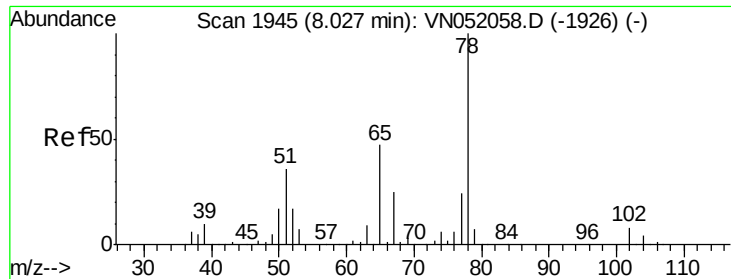
#32
1,1,1-Trichloroethane
Concen: 18.59 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 97 Resp: 124347
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 47.1 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

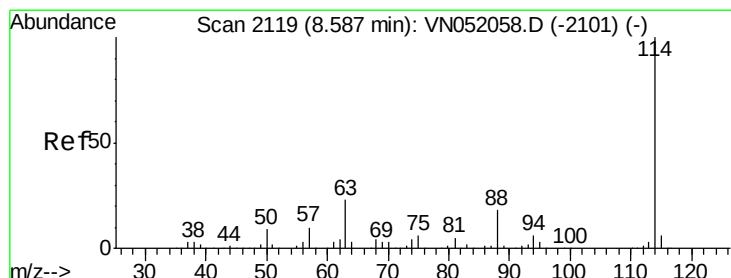
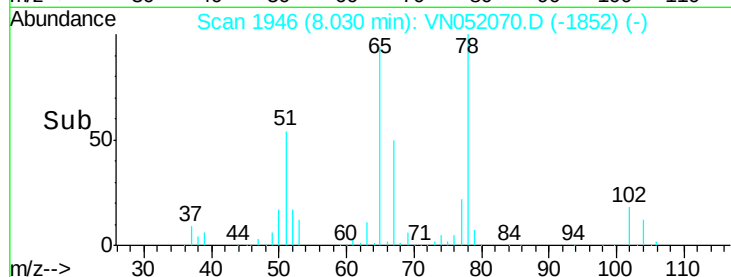
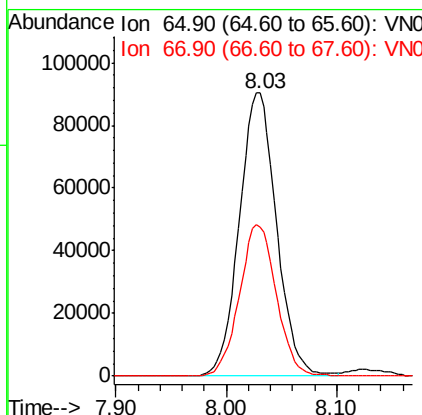
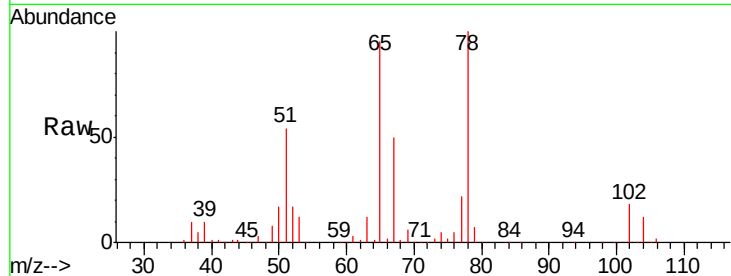




#33
 1,2-Dichloroethane-d4
 Concen: 18.59 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

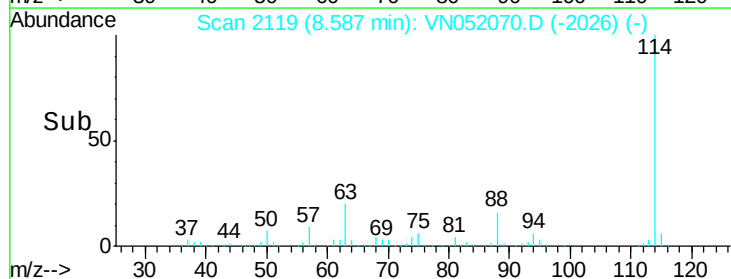
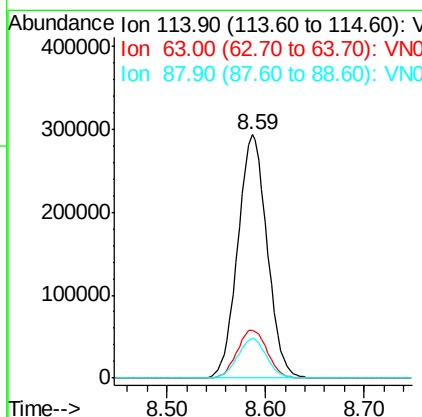
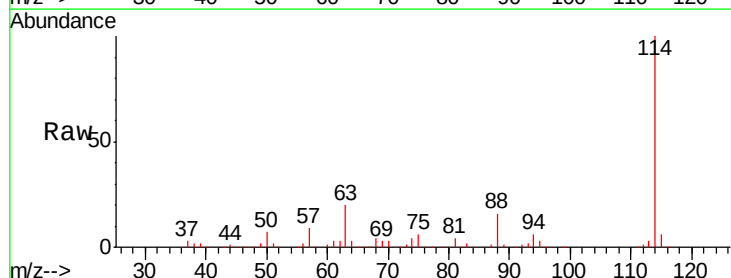
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

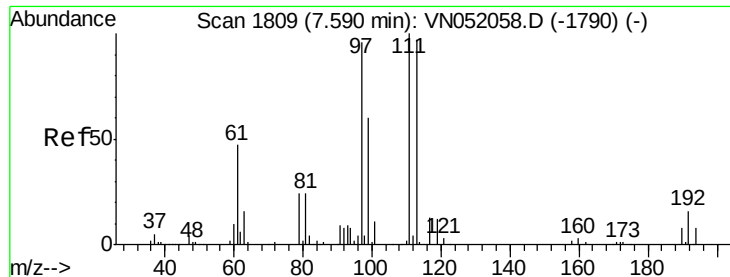
Tgt Ion: 65 Resp: 211477
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 114 Resp: 600847
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 46.0
 88 16.4 0.0 35.4

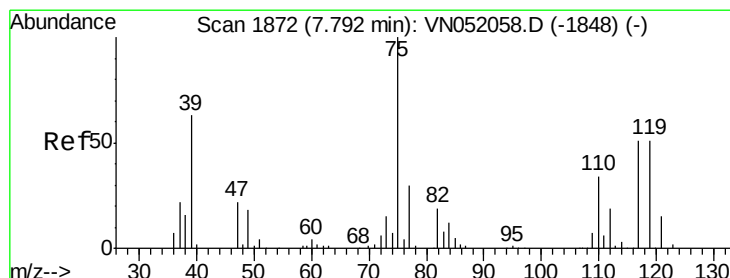
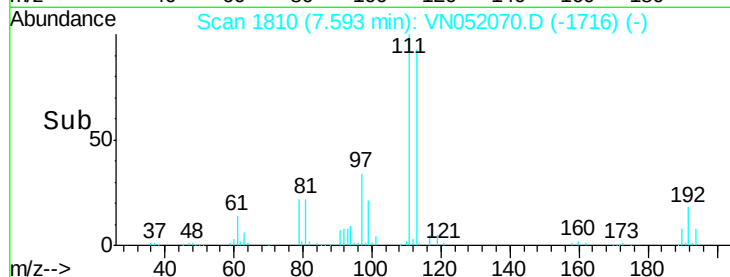
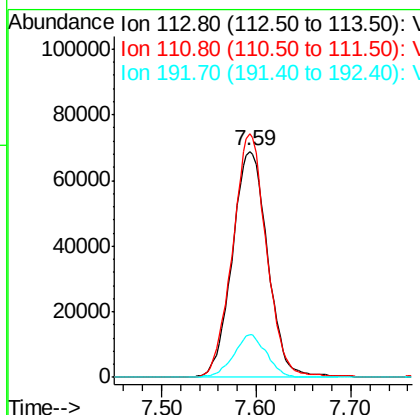
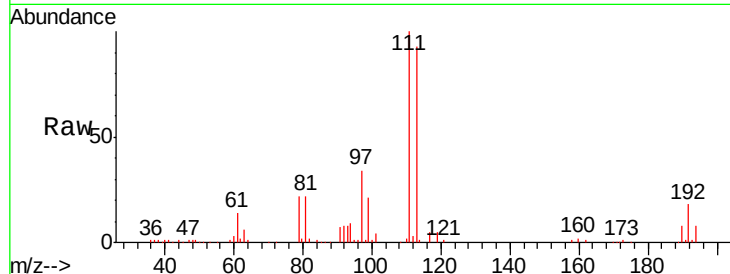




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

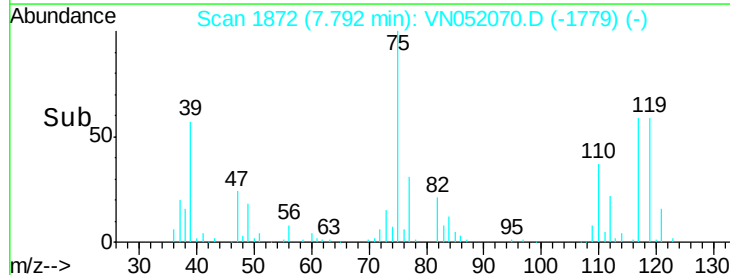
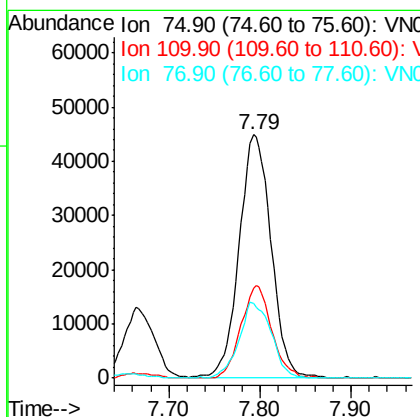
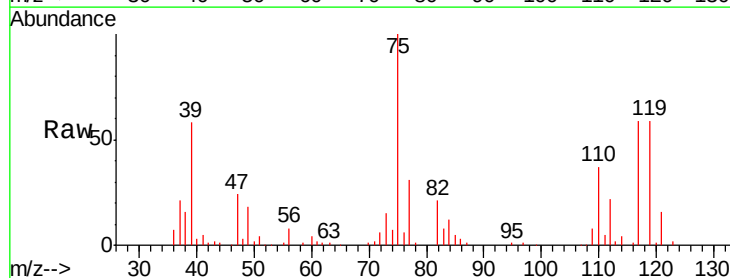
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

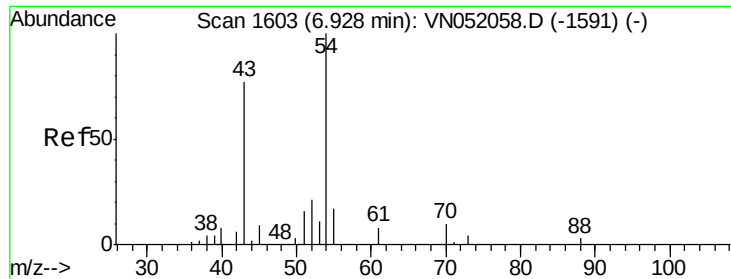
Tgt Ion: 113 Resp: 179111
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.1 124.7
 192 17.5 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 17.94 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 75 Resp: 109589
 Ion Ratio Lower Upper
 75 100
 110 36.3 16.0 48.0
 77 31.2 24.5 36.7

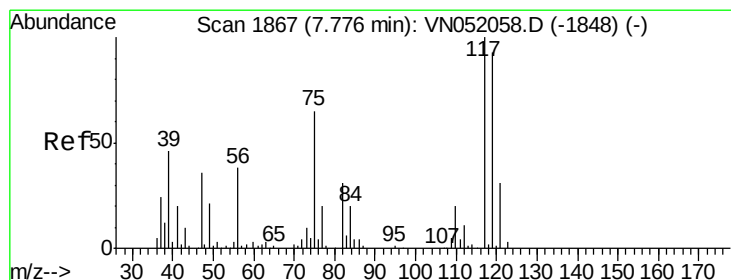
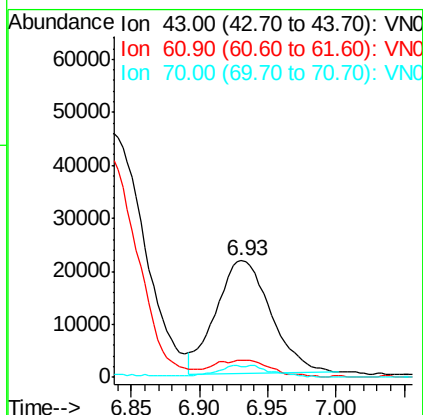
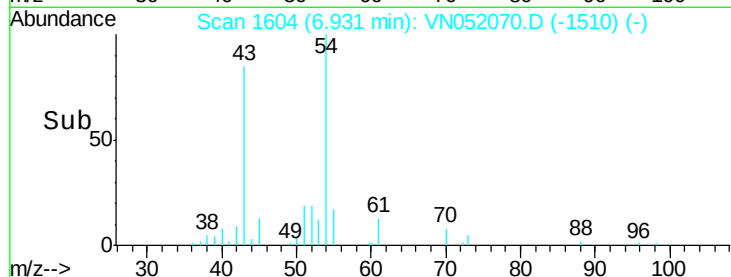
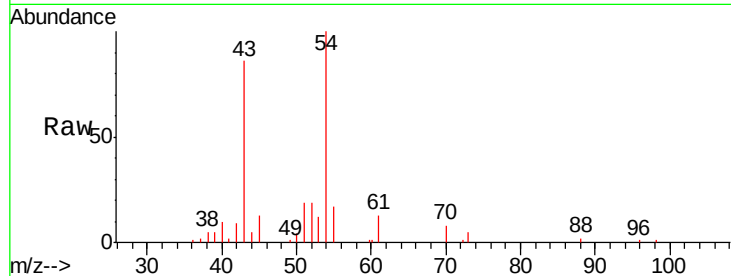




#37
Ethyl Acetate
 Concen: 14.68 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

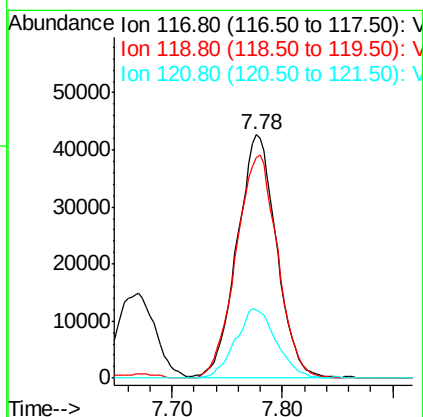
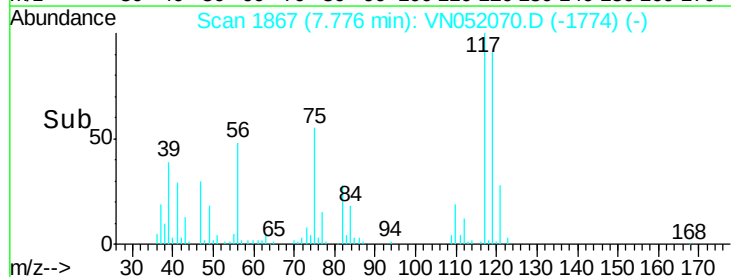
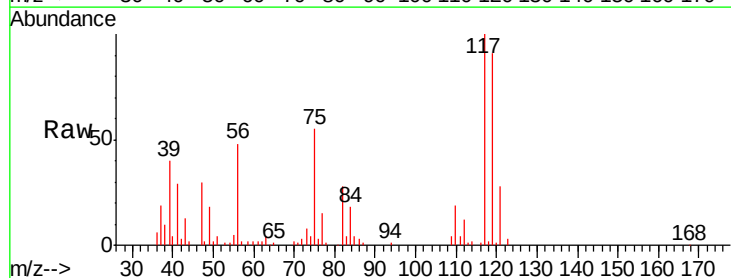
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

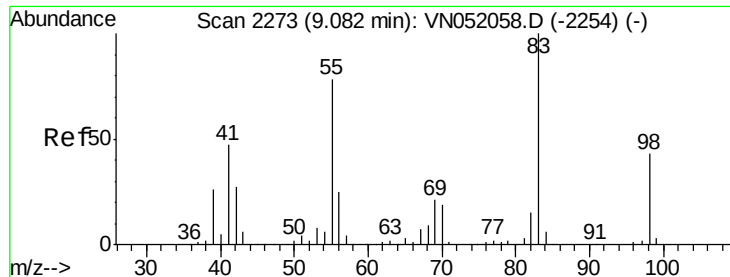
Tgt Ion: 43 Resp: 60019
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 4.2 8.6 12.8#



#38
Carbon Tetrachloride
 Concen: 20.12 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 117 Resp: 105984
 Ion Ratio Lower Upper
 117 100
 119 90.8 74.8 112.2
 121 28.1 25.1 37.7

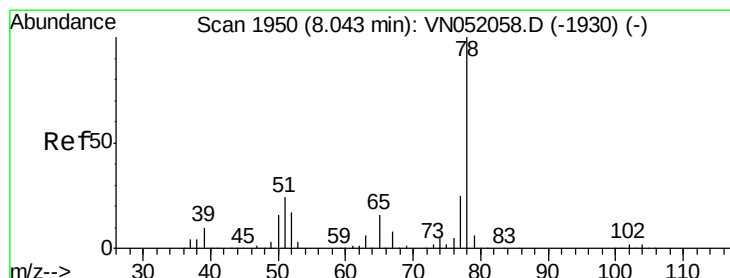
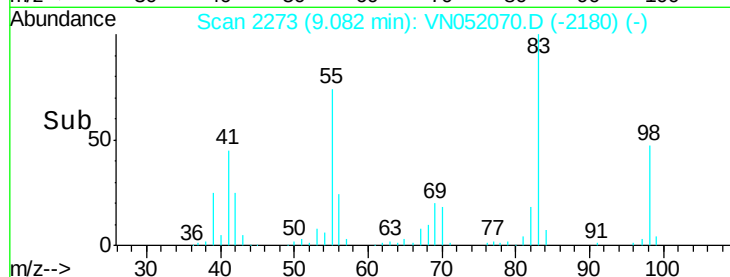
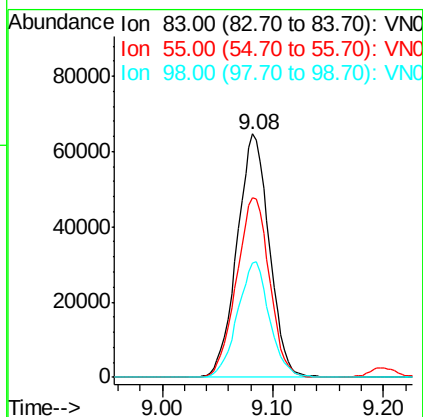
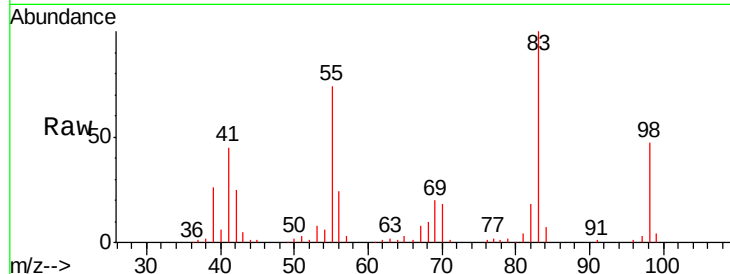




#39
Methylcyclohexane
Concen: 18.07 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

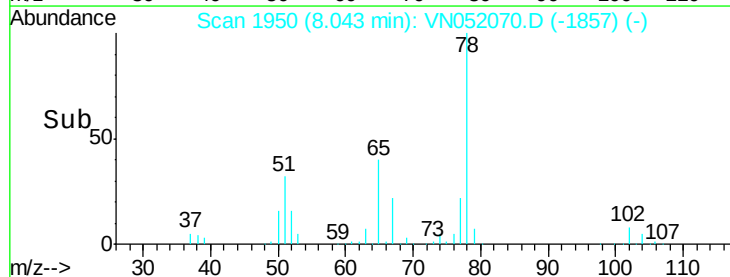
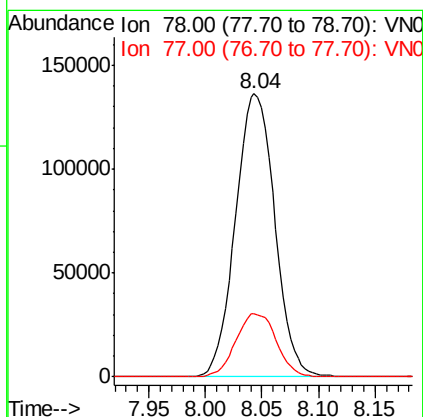
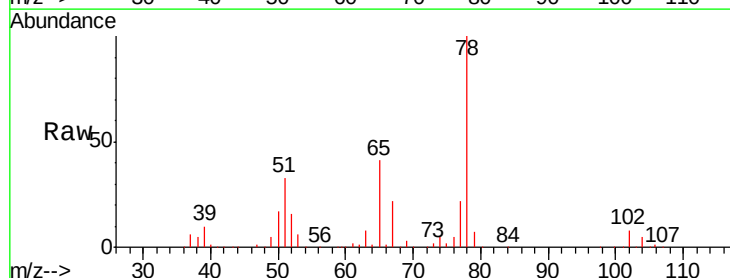
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

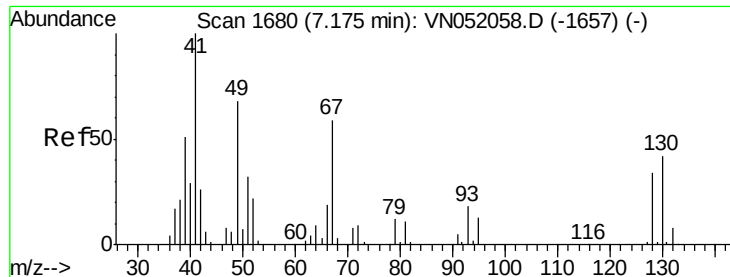
Tgt Ion: 83 Resp: 130995
Ion Ratio Lower Upper
83 100
55 73.7 62.0 93.0
98 47.1 34.7 52.1



#40
Benzene
Concen: 18.70 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 78 Resp: 330407
Ion Ratio Lower Upper
78 100
77 22.5 19.8 29.6

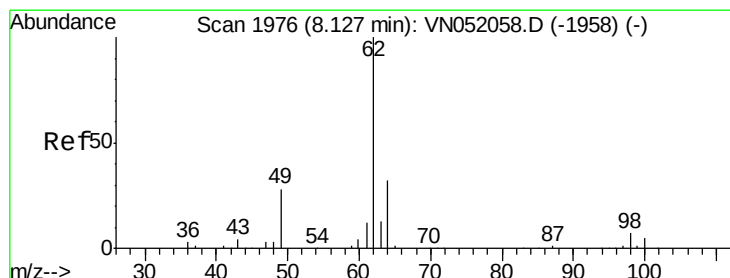
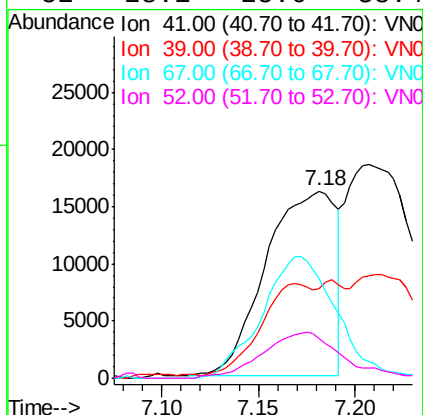
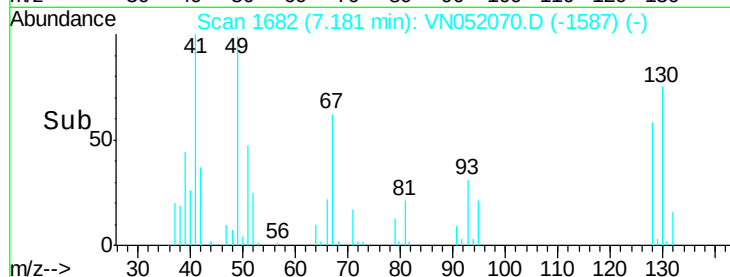
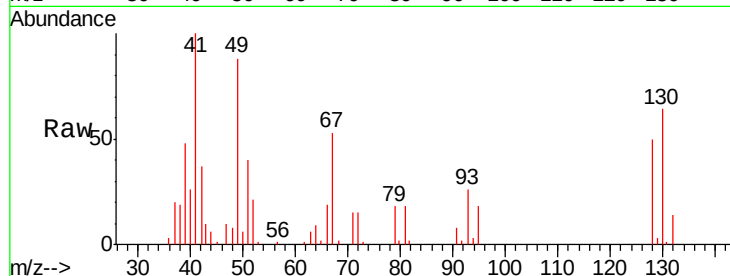




#41
Methacrylonitrile
Concen: 19.32 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

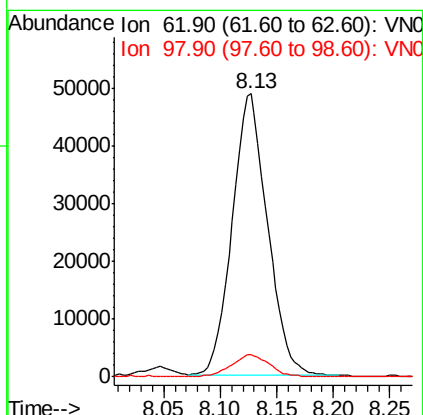
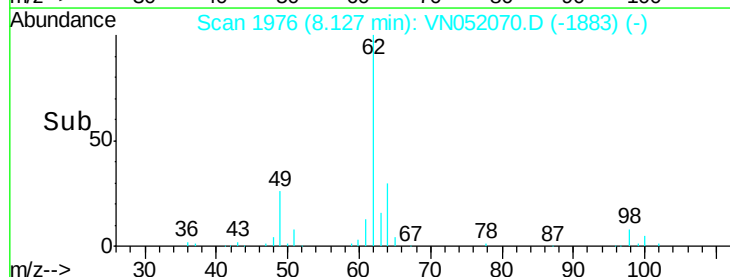
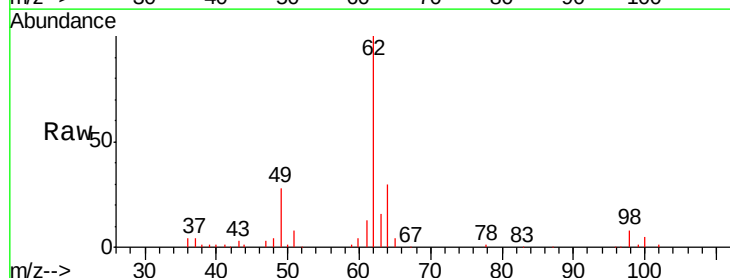
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

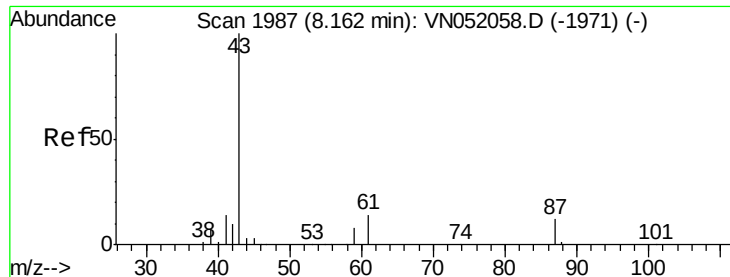
Tgt Ion: 41 Resp: 40583
Ion Ratio Lower Upper
41 100
39 36.5 33.2 49.8
67 70.6 63.5 95.3
52 28.1 25.6 38.4



#42
1,2-Dichloroethane
Concen: 16.32 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 62 Resp: 106398
Ion Ratio Lower Upper
62 100
98 8.5 0.0 15.2





#43

Isopropyl Acetate

Concen: 15.92 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

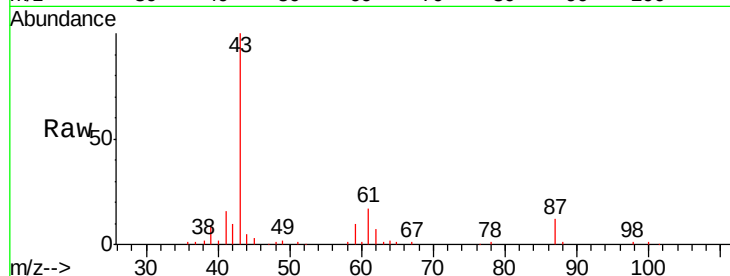
Tgt Ion: 43 Resp: 115793

Ion Ratio Lower Upper

43 100

61 18.7 15.4 23.0

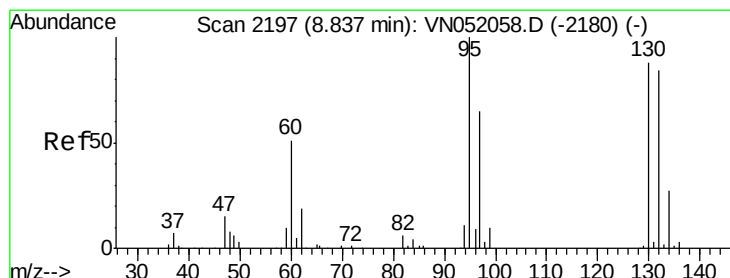
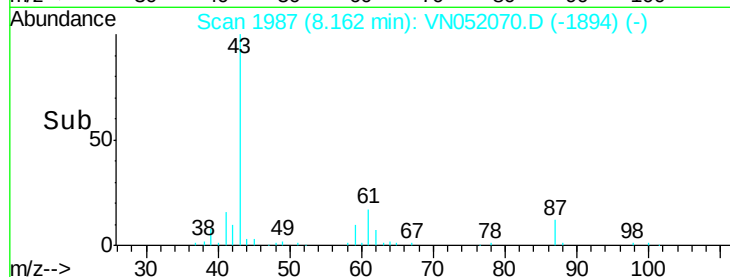
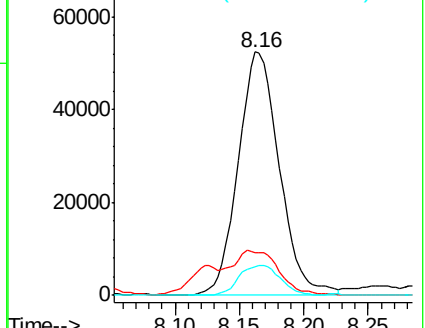
87 12.4 9.8 14.8



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: 19.78 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052070.D

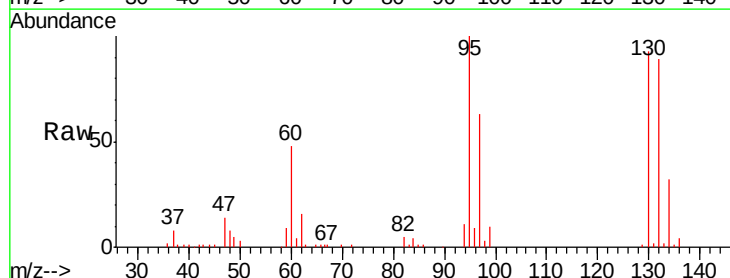
Acq: 31 Oct 2018 13:38

Tgt Ion: 130 Resp: 78175

Ion Ratio Lower Upper

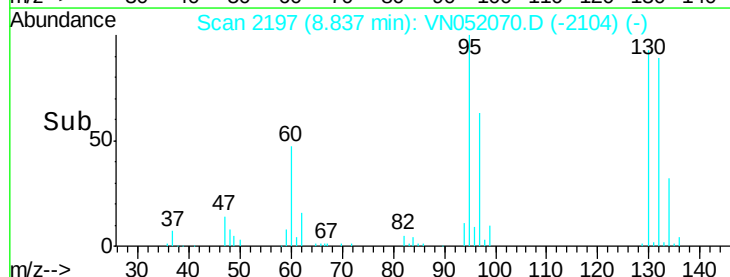
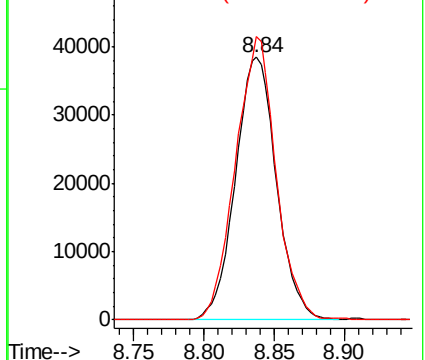
130 100

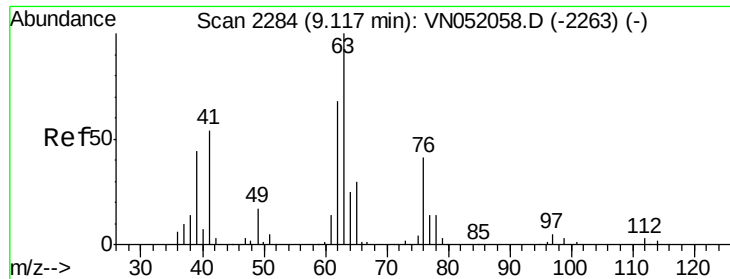
95 107.7 0.0 228.4



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

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

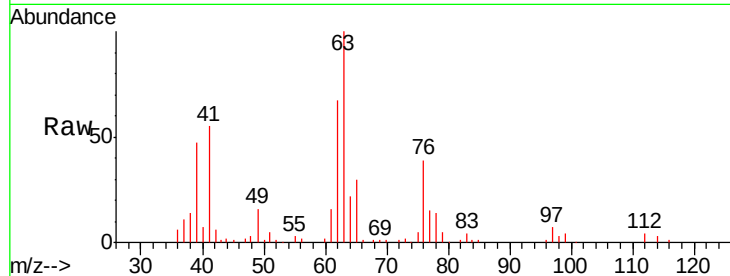




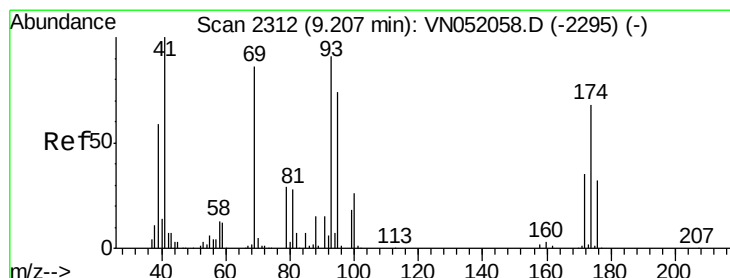
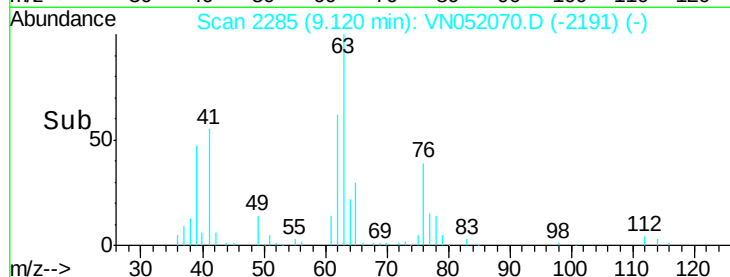
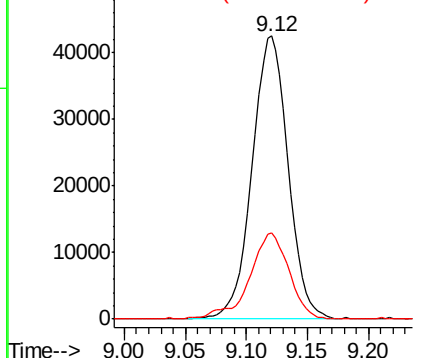
#45
 1,2-Dichloropropane
 Concen: 17.23 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Tgt Ion: 63 Resp: 86720
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.5 36.7

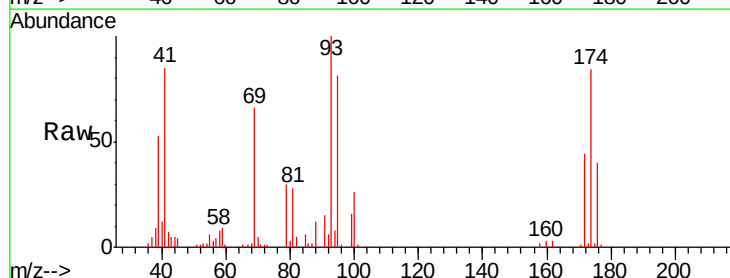


Abundance Ion 62.90 (62.60 to 63.60): VN052058.D (-2263) (-)
 Ion 64.90 (64.60 to 65.60): VN052058.D (-2263) (-)

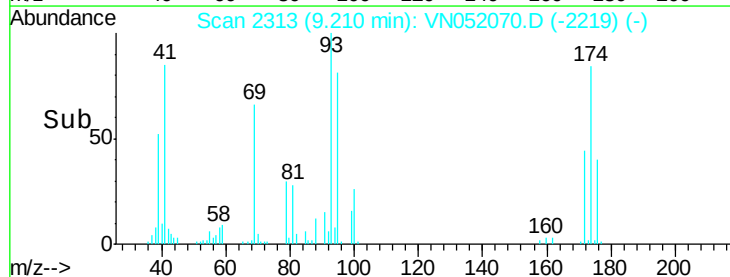
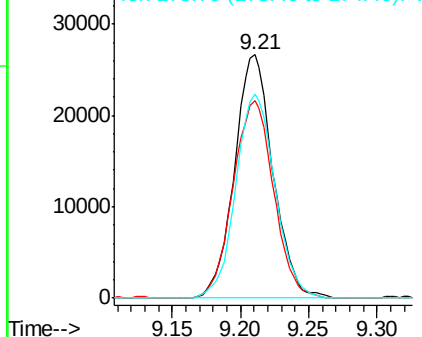


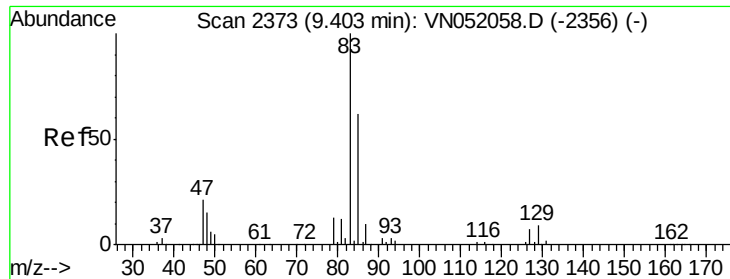
#46
 Dibromomethane
 Concen: 18.57 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 93 Resp: 52254
 Ion Ratio Lower Upper
 93 100
 95 85.5 67.2 100.8
 174 85.5 59.7 89.5



Abundance Ion 92.80 (92.50 to 93.50): VN052058.D (-2295) (-)
 Ion 94.80 (94.50 to 95.50): VN052058.D (-2295) (-)
 Ion 173.70 (173.40 to 174.40): VN052058.D (-2295) (-)





#47

Bromodichloromethane

Concen: 18.08 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

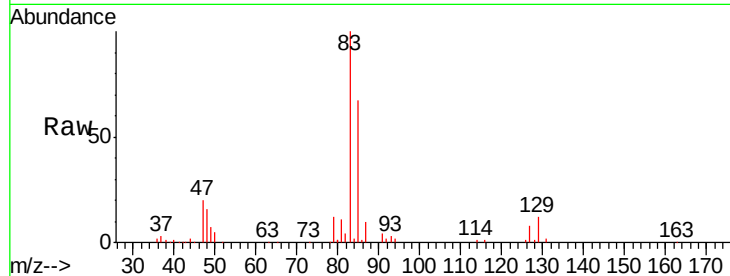
Tgt Ion: 83 Resp: 106085

Ion Ratio Lower Upper

83 100

85 66.6 49.4 74.2

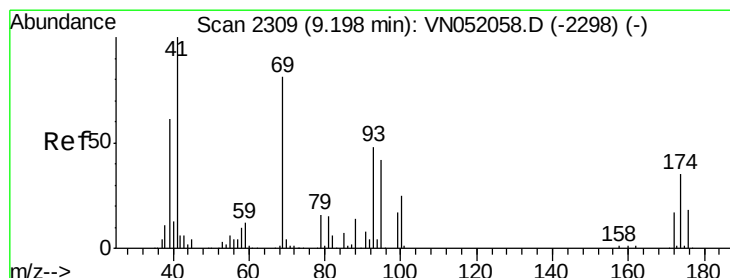
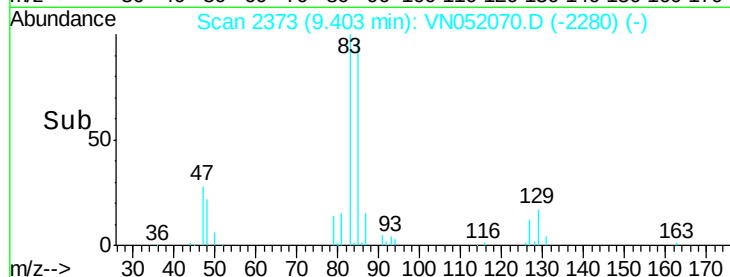
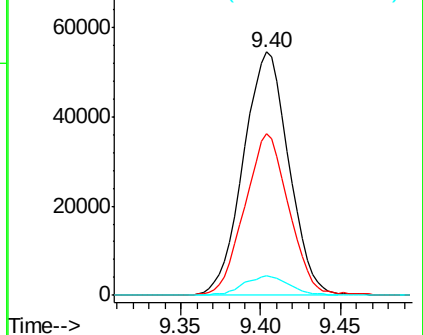
127 8.1 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 16.23 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

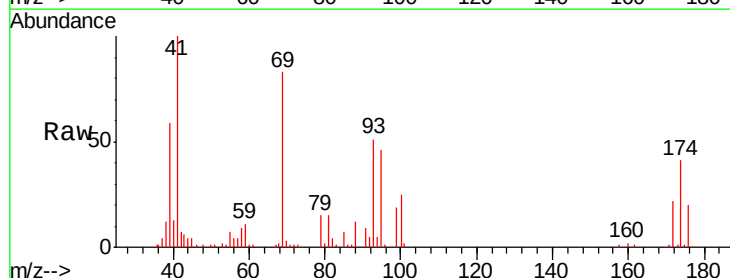
Tgt Ion: 41 Resp: 59835

Ion Ratio Lower Upper

41 100

69 85.0 67.1 100.7

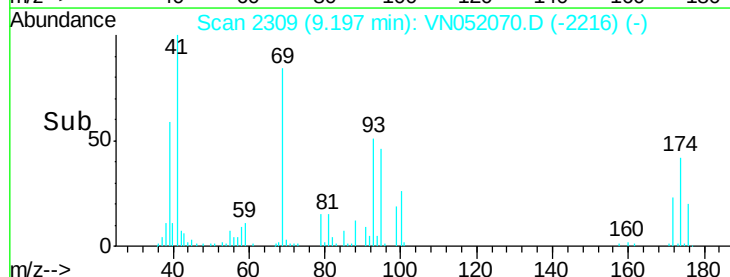
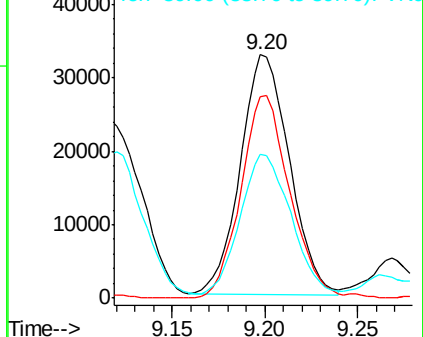
39 61.9 50.5 75.7

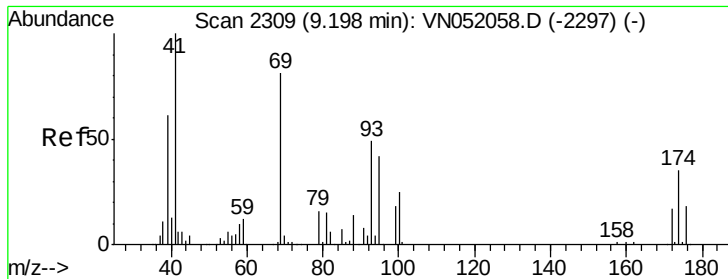


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

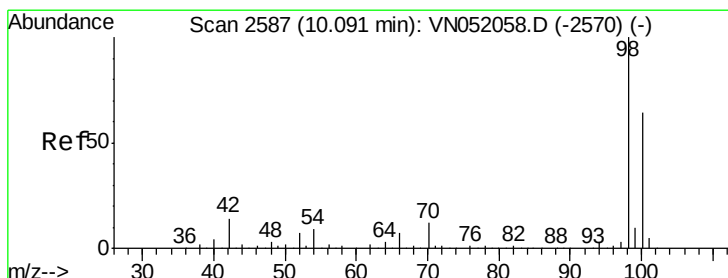
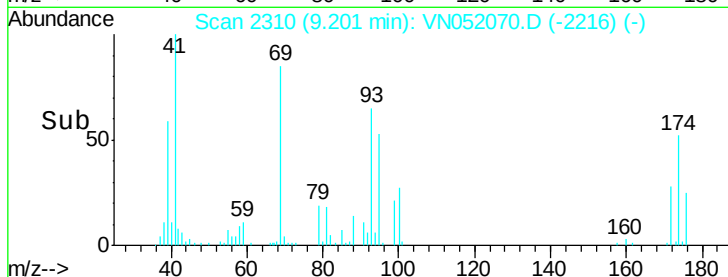
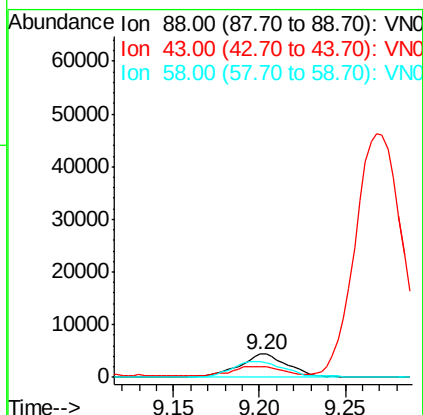
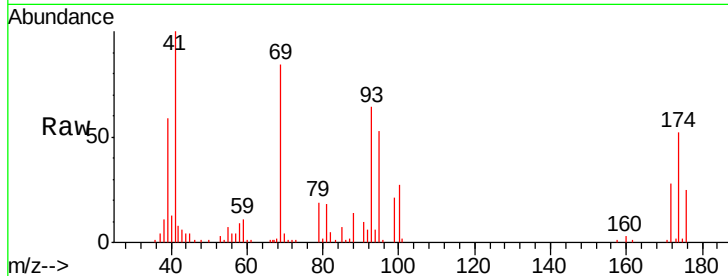




#49
 1,4-Dioxane
 Concen: 306.16 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

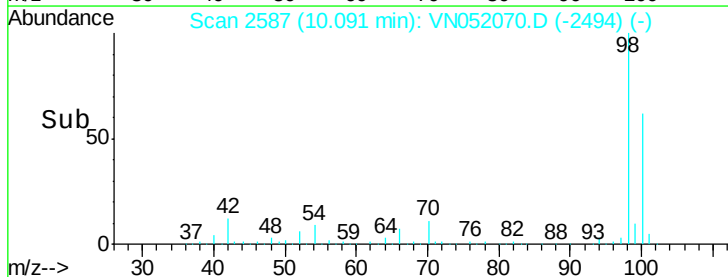
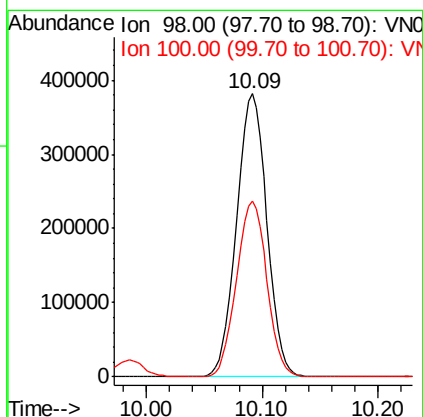
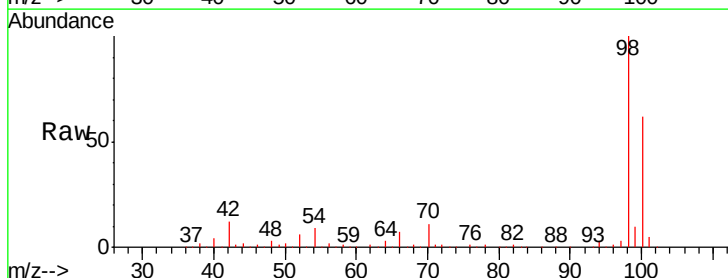
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

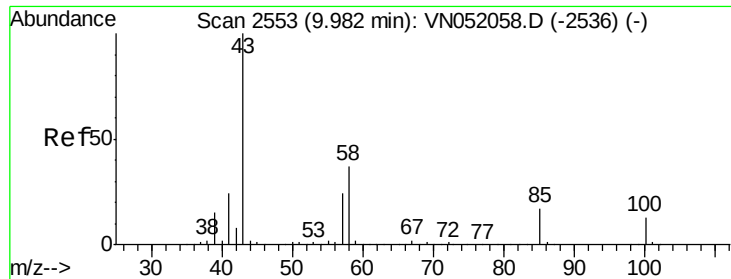
Tgt Ion: 88 Resp: 8915
 Ion Ratio Lower Upper
 88 100
 43 40.5 34.1 51.1
 58 70.3 62.8 94.2



#50
 Toluene-d8
 Concen: 306.16 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 98 Resp: 690590
 Ion Ratio Lower Upper
 98 100
 100 62.3 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 80.18 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

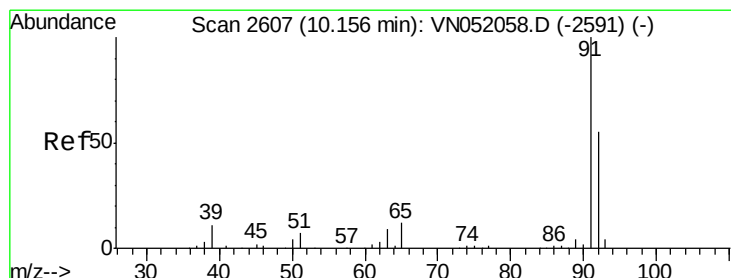
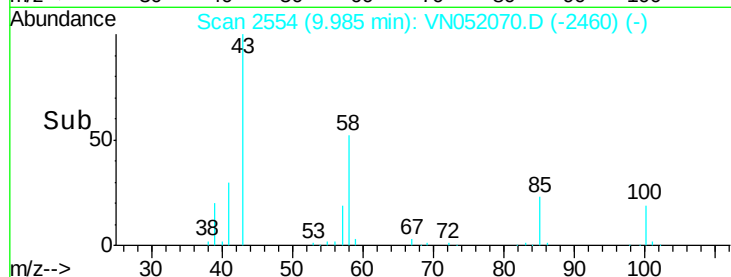
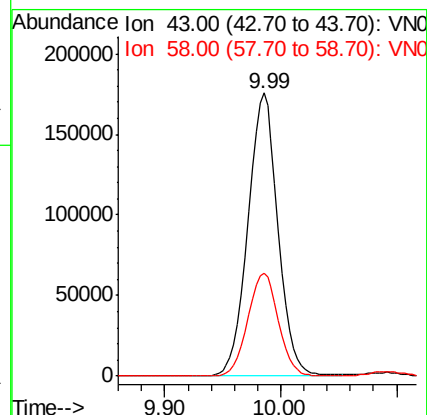
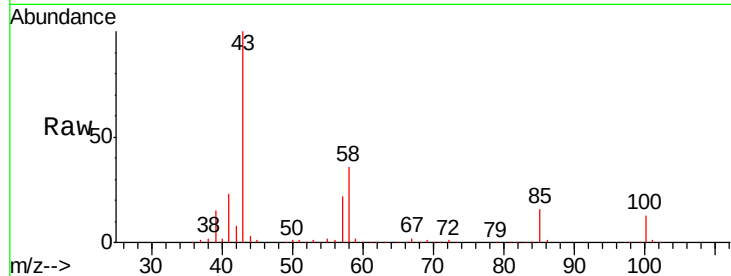
VN1031WBSD01

Tgt Ion: 43 Resp: 316969

Ion Ratio Lower Upper

43 100

58 37.1 29.7 44.5



#52

Toluene

Concen: 18.89 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052070.D

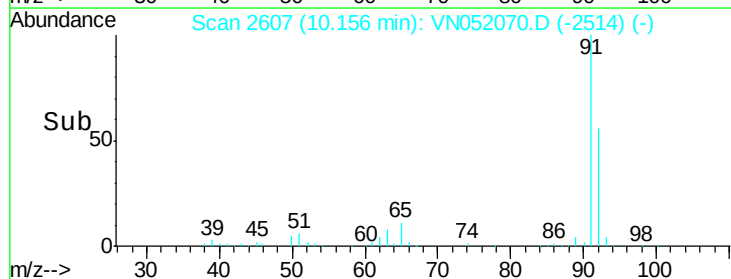
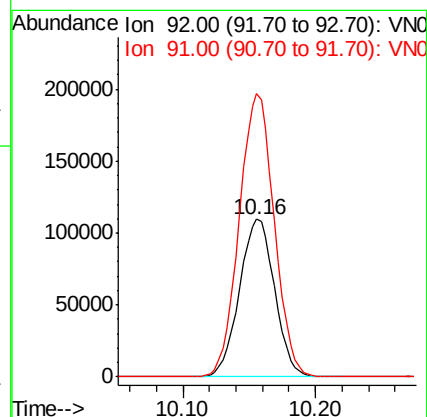
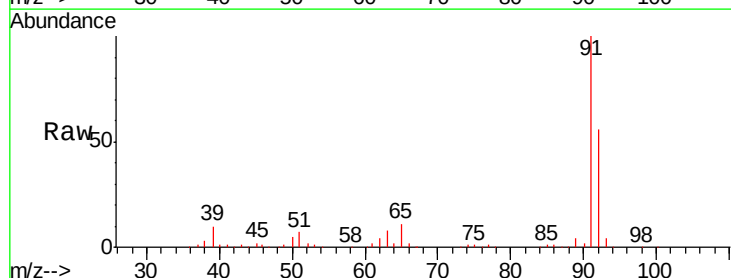
Acq: 31 Oct 2018 13:38

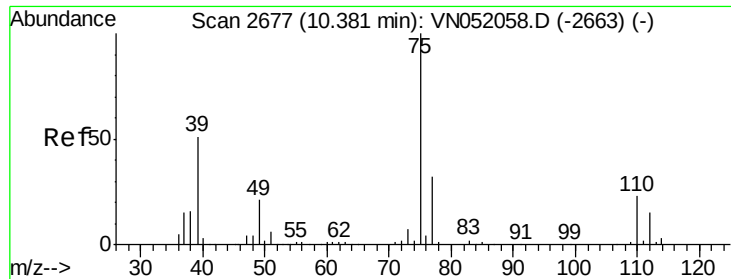
Tgt Ion: 92 Resp: 201512

Ion Ratio Lower Upper

92 100

91 178.7 143.9 215.9





#53

t-1,3-Dichloropropene

Concen: 16.62 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

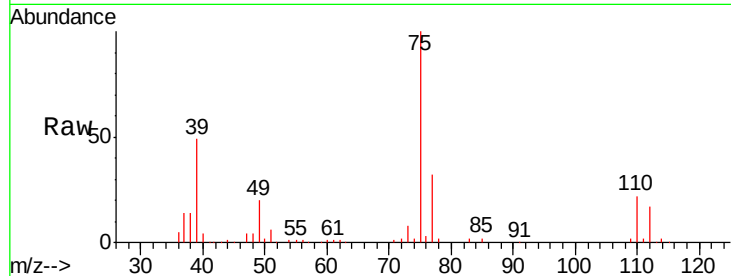
VN1031WBSD01

Tgt Ion: 75 Resp: 103090

Ion Ratio Lower Upper

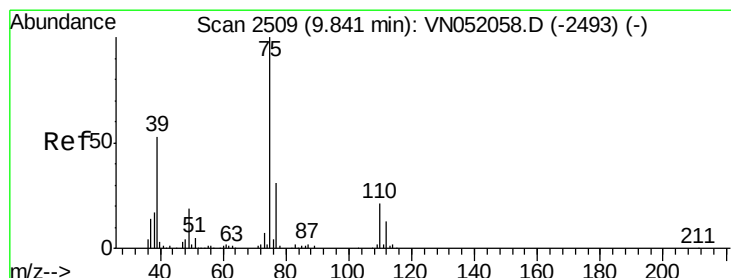
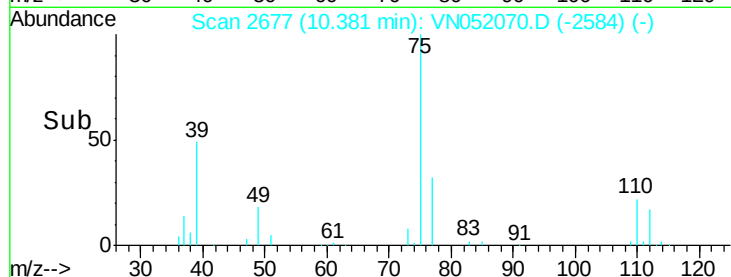
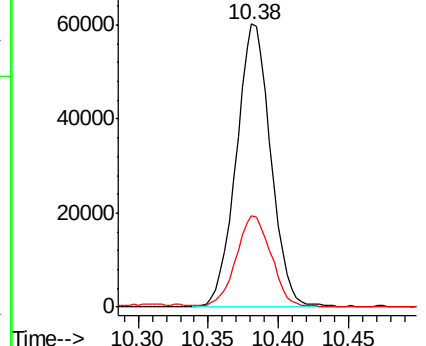
75 100

77 32.1 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.33 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

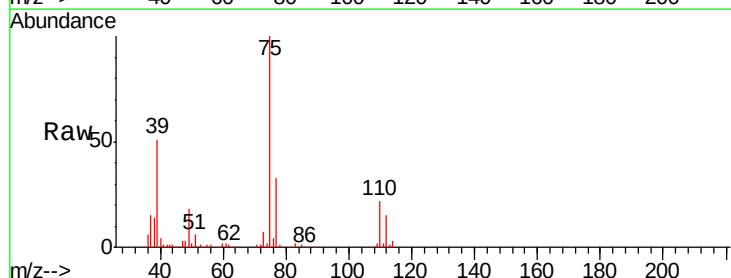
Tgt Ion: 75 Resp: 119373

Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.4

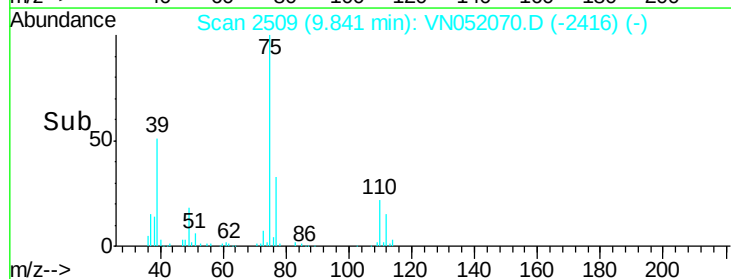
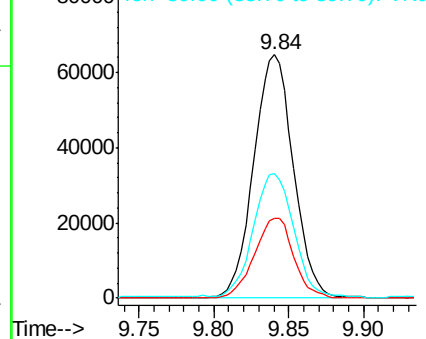
39 50.8 42.3 63.5

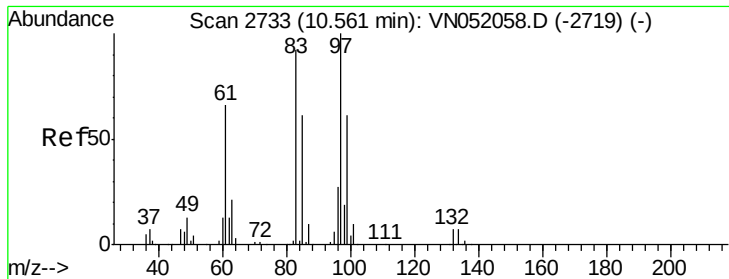


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.37 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

Tgt Ion: 97 Resp: 69788

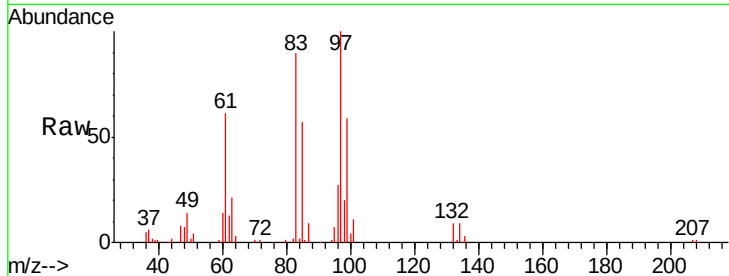
Ion Ratio Lower Upper

97 100

83 90.1 73.8 110.8

85 56.6 48.4 72.6

99 59.4 48.6 72.8

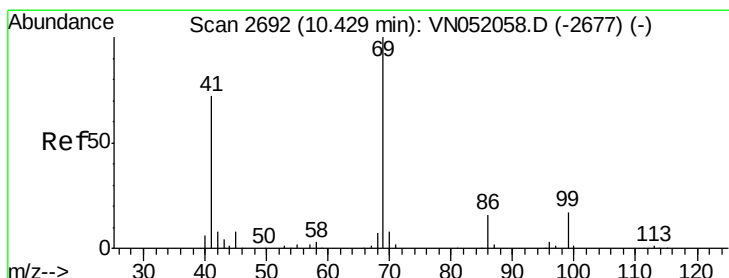
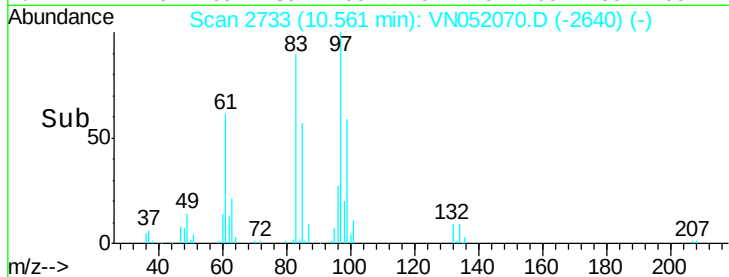
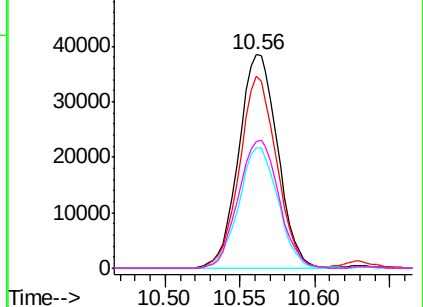


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 16.53 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

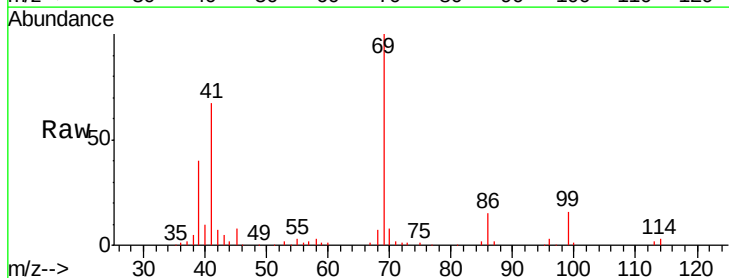
Tgt Ion: 69 Resp: 89851

Ion Ratio Lower Upper

69 100

41 65.1 55.5 83.3

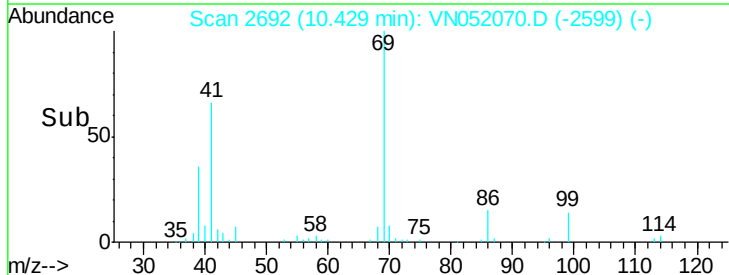
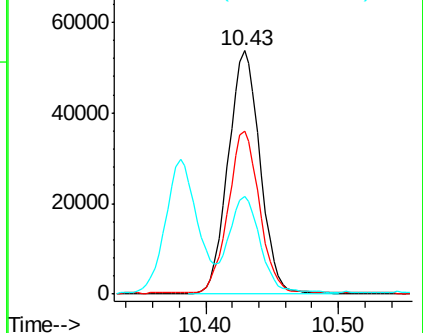
39 38.3 33.0 49.4

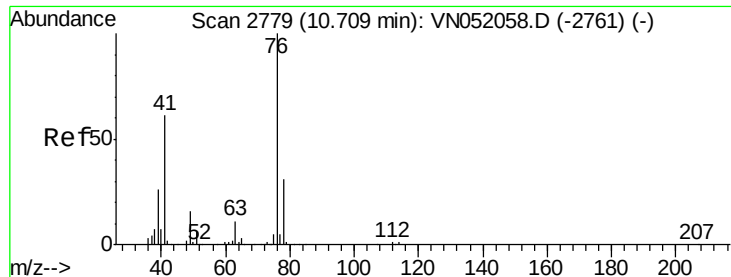


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

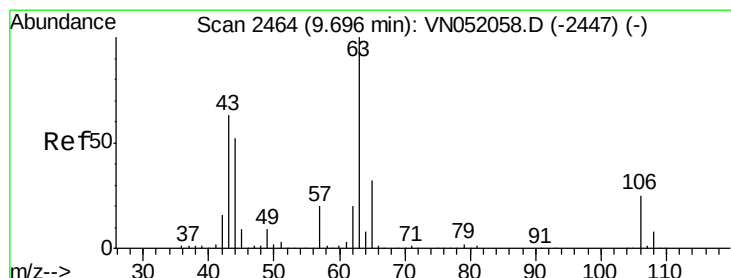
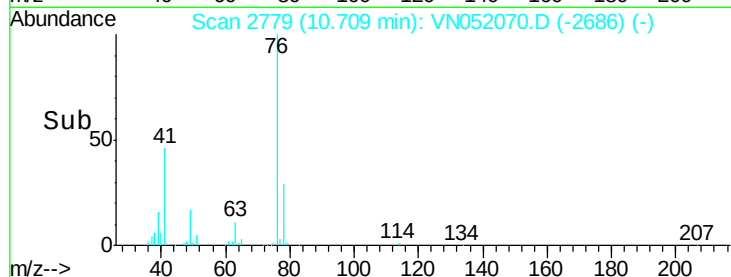
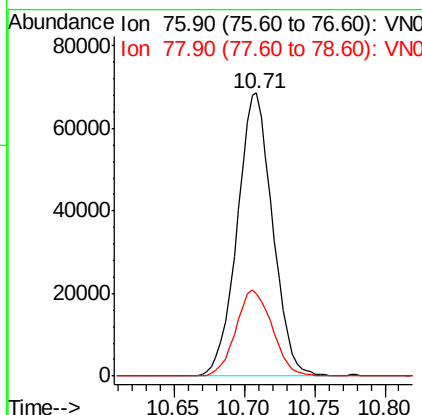
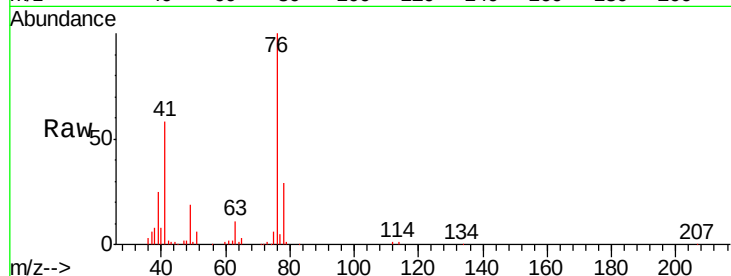




#57
 1,3-Dichloropropane
 Concen: 17.18 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

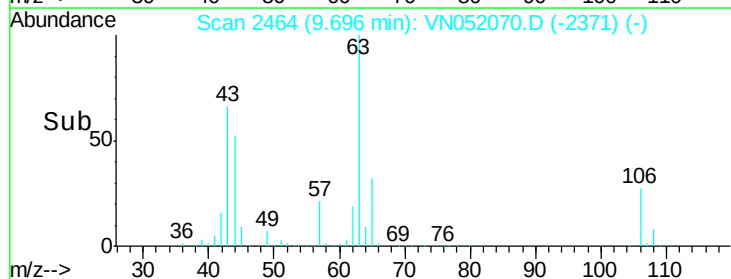
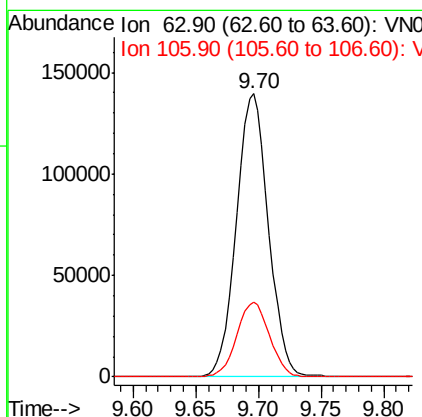
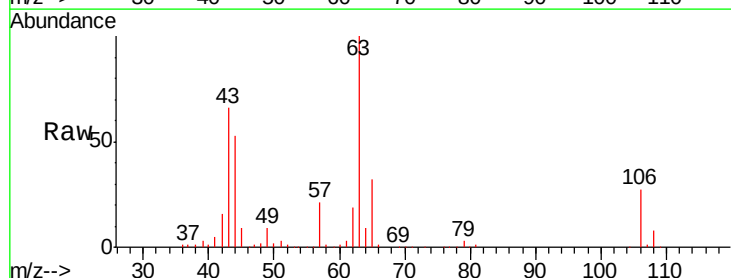
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

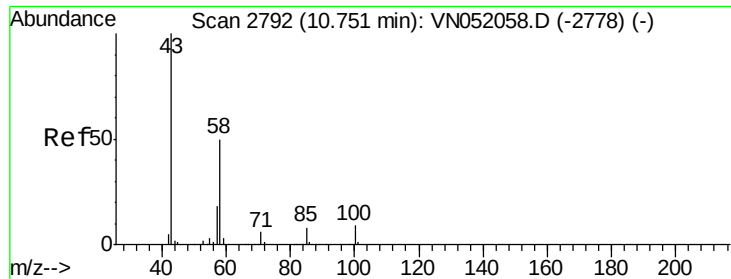
Tgt Ion: 76 Resp: 120075
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.65 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 63 Resp: 247593
 Ion Ratio Lower Upper
 63 100
 106 26.9 19.4 29.2

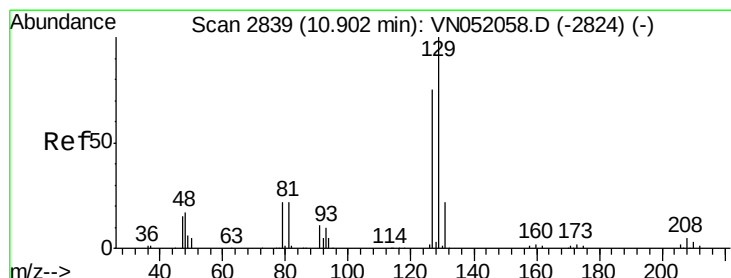
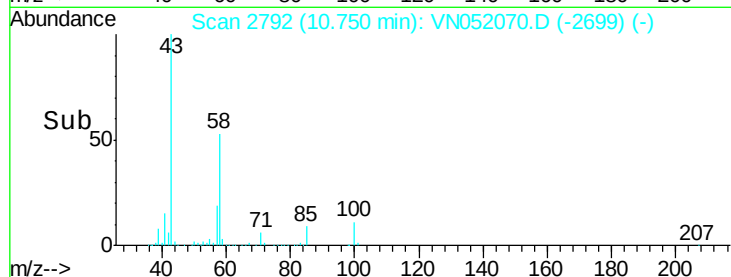
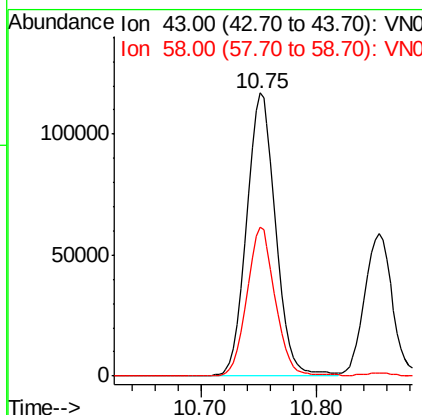
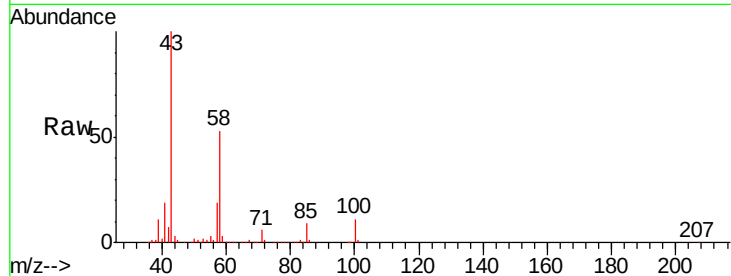




#59
2-Hexanone
Concen: 72.69 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

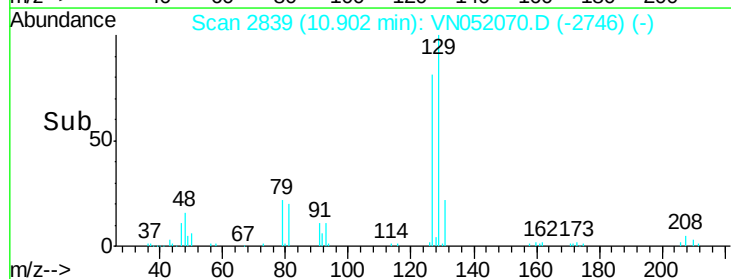
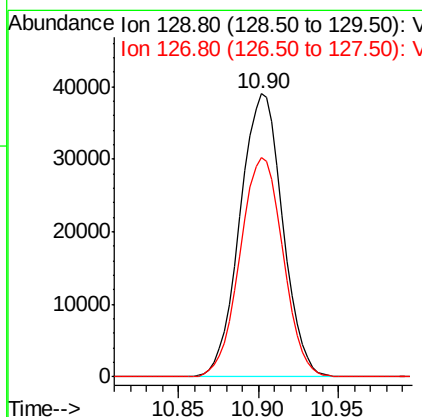
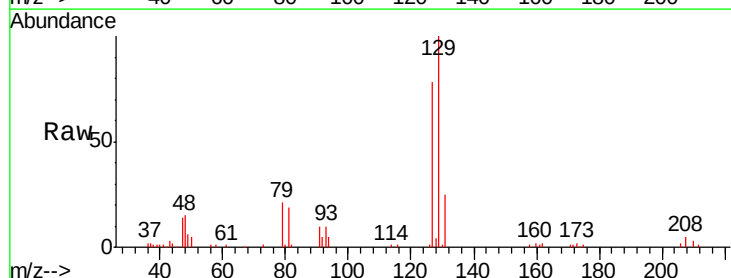
Instrument :
MSVOA_N
ClientSampled :
VN1031WBSD01

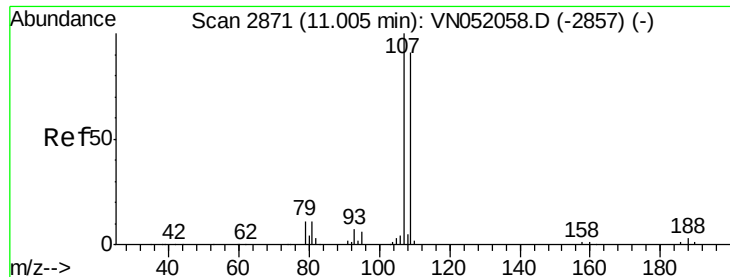
Tgt Ion: 43 Resp: 204779
Ion Ratio Lower Upper
43 100
58 50.9 25.2 75.6



#60
Dibromochloromethane
Concen: 18.99 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 129 Resp: 71040
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5

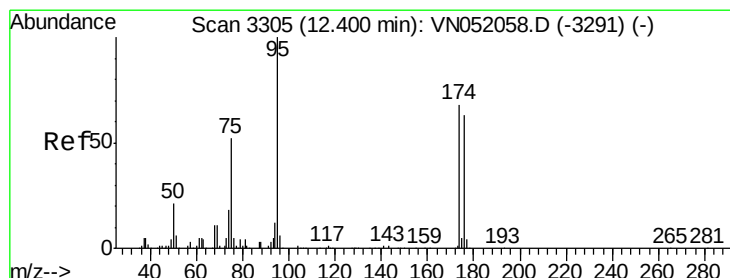
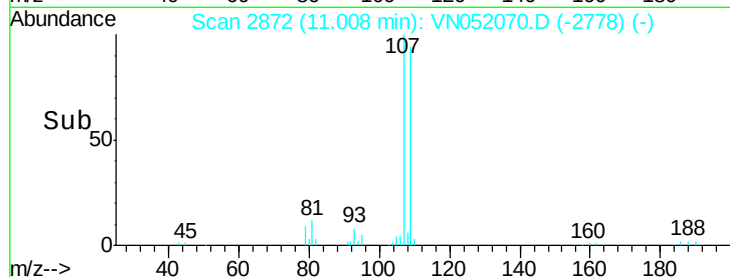
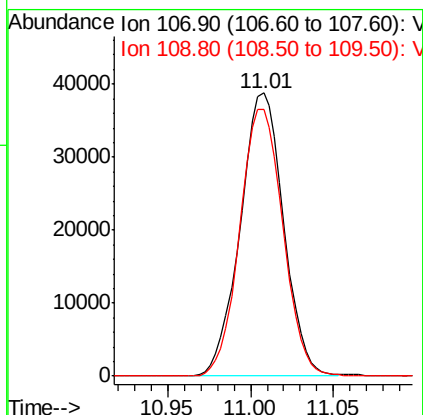
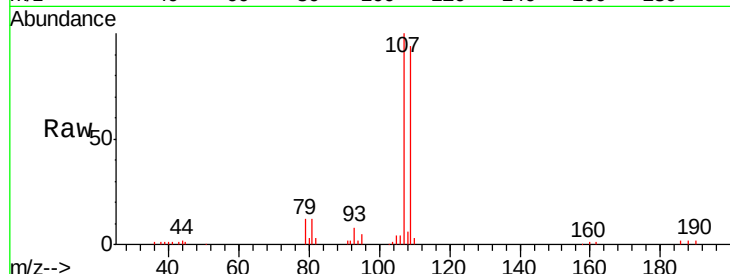




#61
 1,2-Dibromoethane
 Concen: 18.66 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

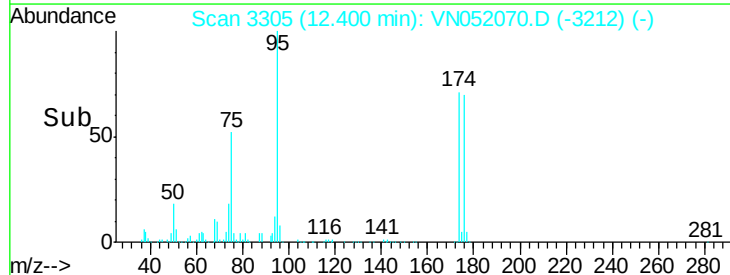
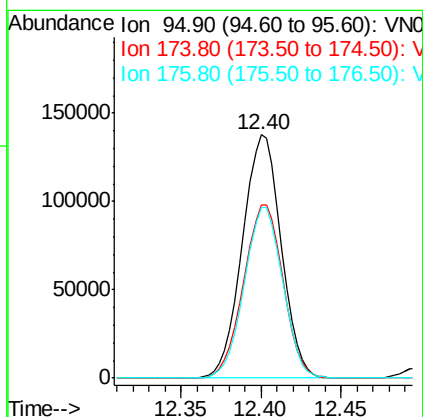
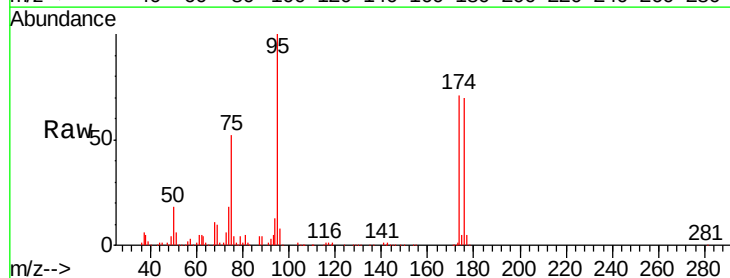
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

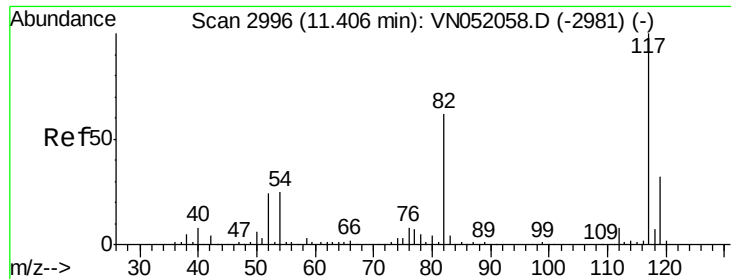
Tgt Ion: 107 Resp: 70477
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 18.66 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 95 Resp: 227822
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 131.8
 176 69.5 0.0 126.0

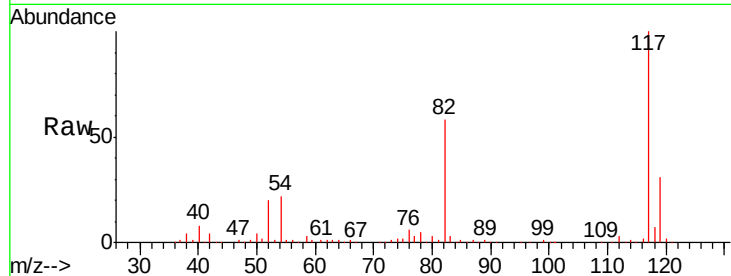




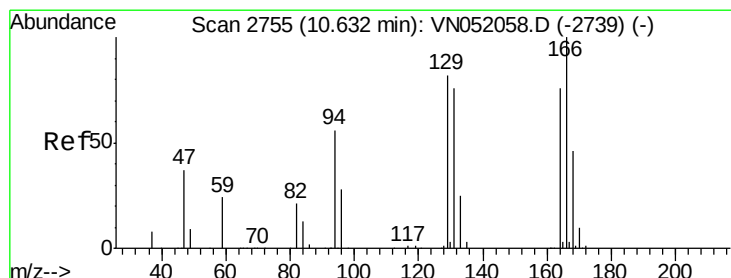
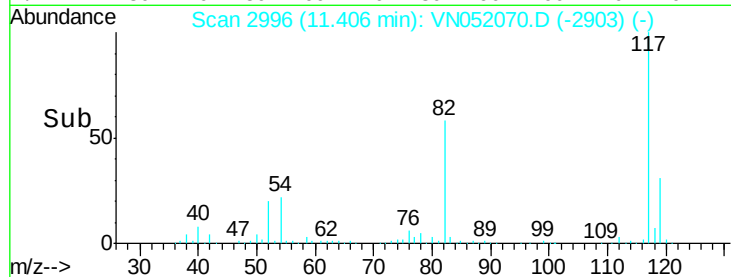
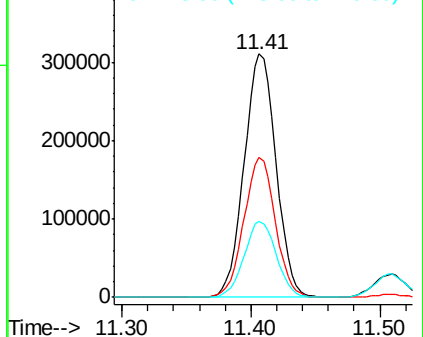
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampled :
VN1031WBSD01

Tgt Ion:117 Resp: 534454
Ion Ratio Lower Upper
117 100
82 57.6 49.9 74.9
119 31.2 25.7 38.5

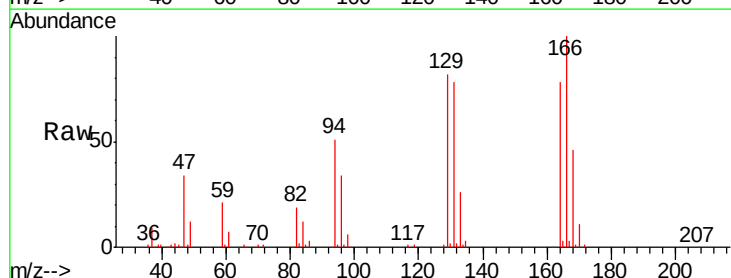


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

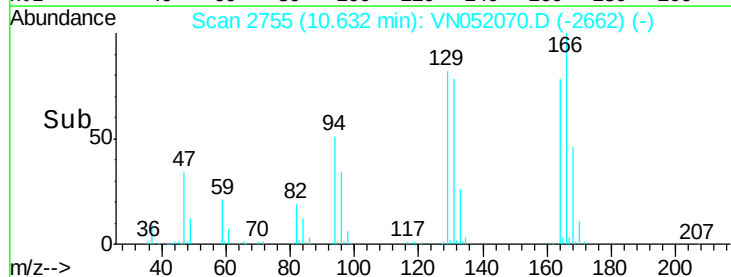
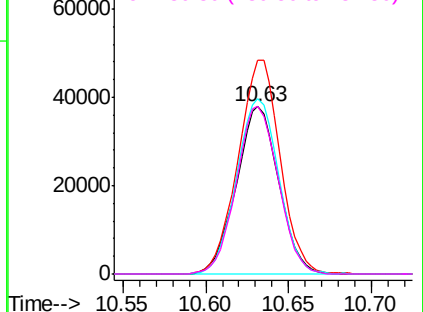


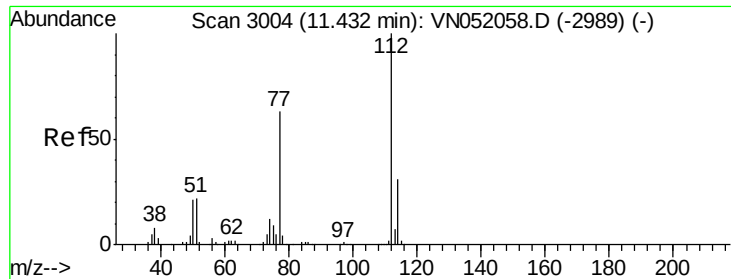
#64
Tetrachloroethene
Concen: 20.80 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion:164 Resp: 67332
Ion Ratio Lower Upper
164 100
166 127.6 105.4 158.0
129 104.8 86.1 129.1
131 100.1 80.3 120.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

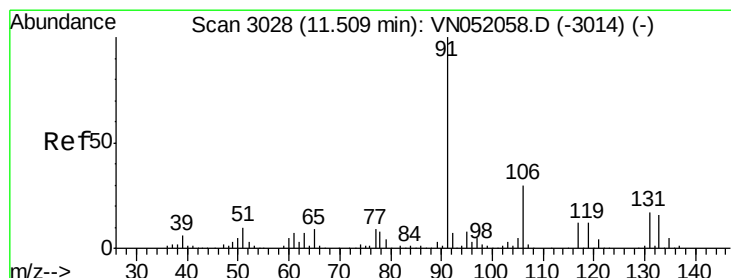
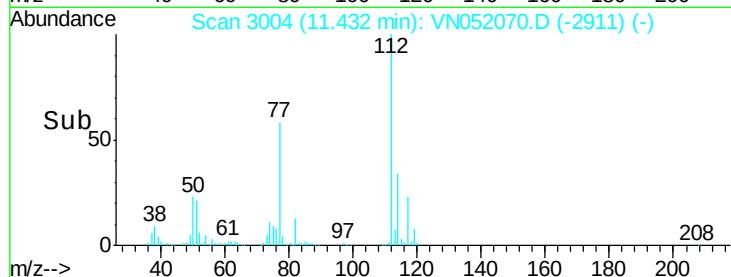
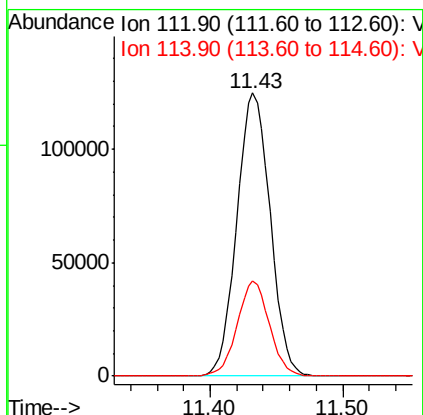
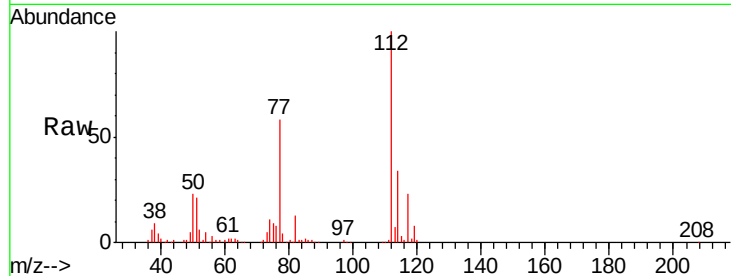




#65
Chlorobenzene
Concen: 19.34 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

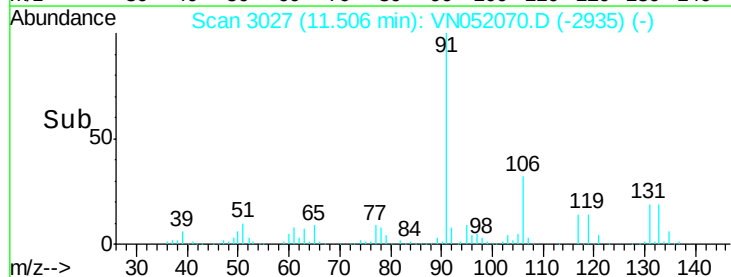
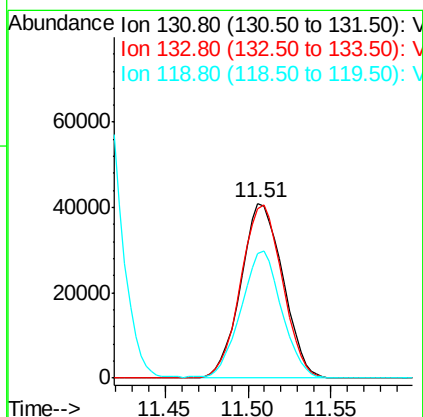
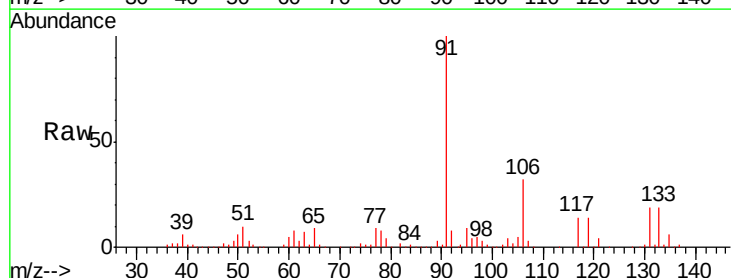
Instrument :
MSVOA_N
ClientSampled :
VN1031WBSD01

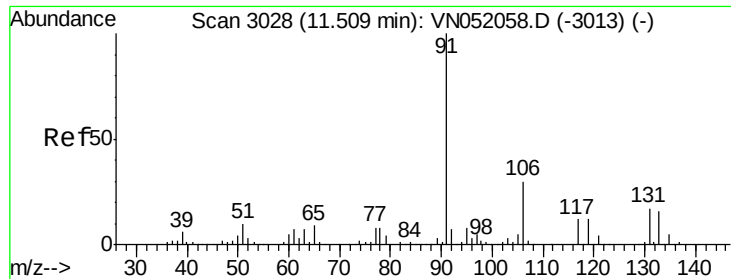
Tgt Ion:112 Resp: 217743
Ion Ratio Lower Upper
112 100
114 33.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.50 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion:131 Resp: 72471
Ion Ratio Lower Upper
131 100
133 97.8 47.6 142.9
119 70.3 34.4 103.2

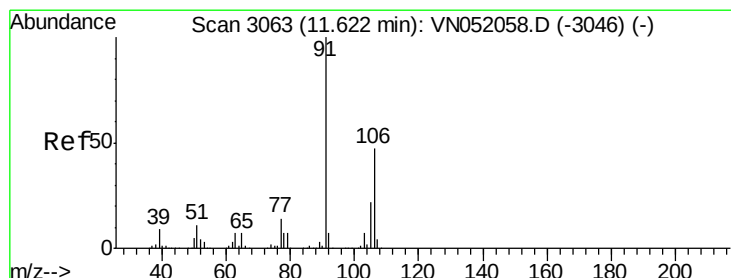
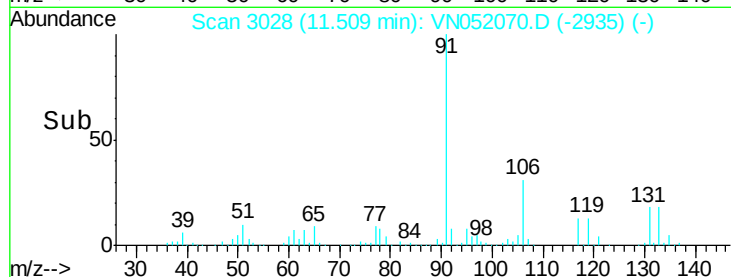
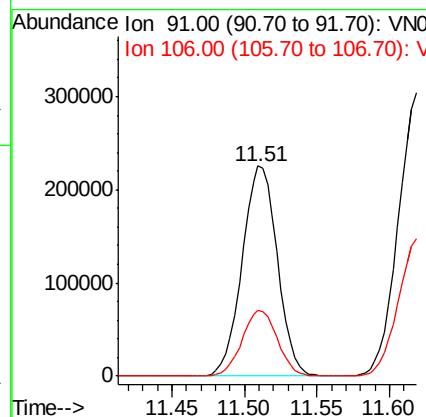
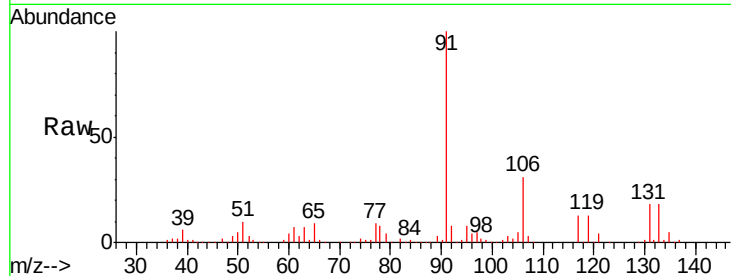




#67
Ethyl Benzene
Concen: 18.92 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

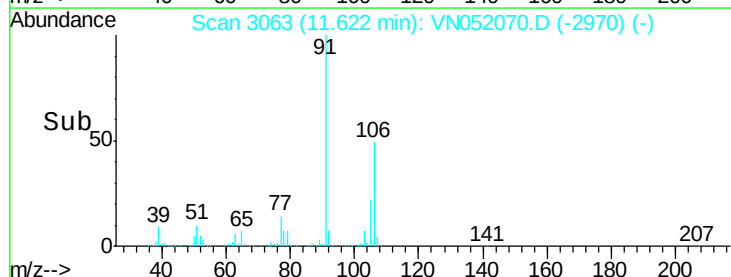
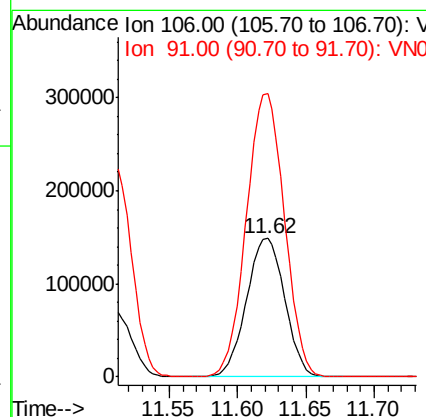
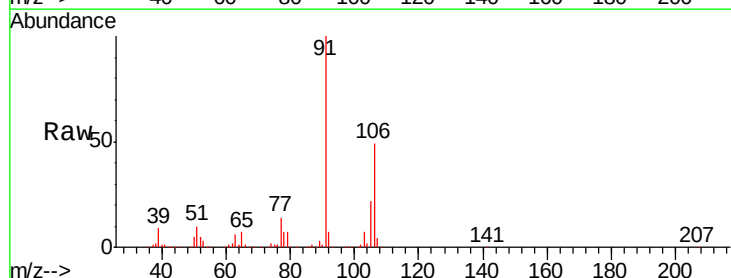
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

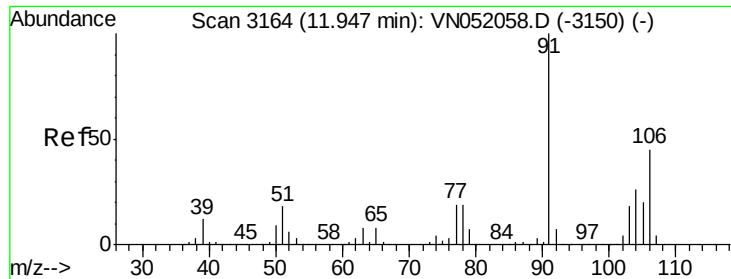
Tgt Ion: 91 Resp: 379714
Ion Ratio Lower Upper
91 100
106 31.2 24.1 36.1



#68
m/p-Xylenes
Concen: 40.25 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion: 106 Resp: 289212
Ion Ratio Lower Upper
106 100
91 204.3 168.7 253.1

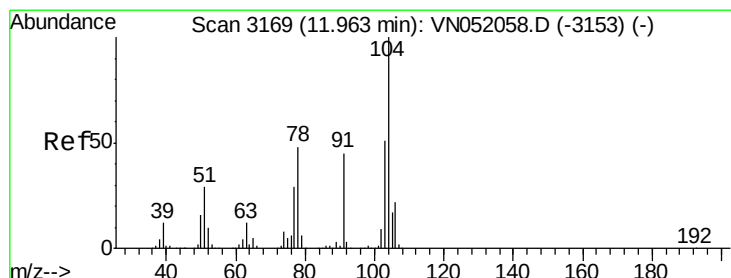
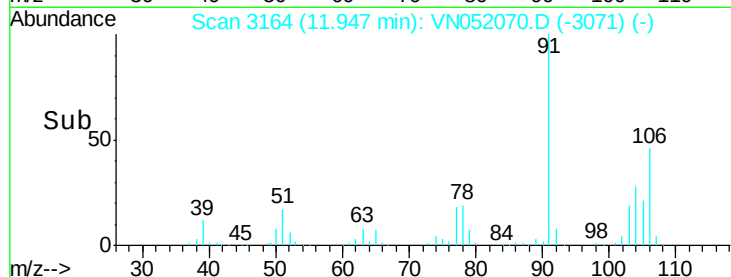
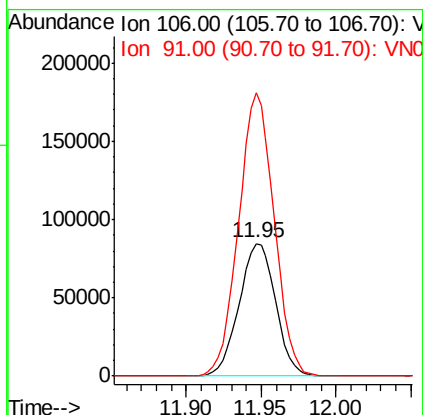
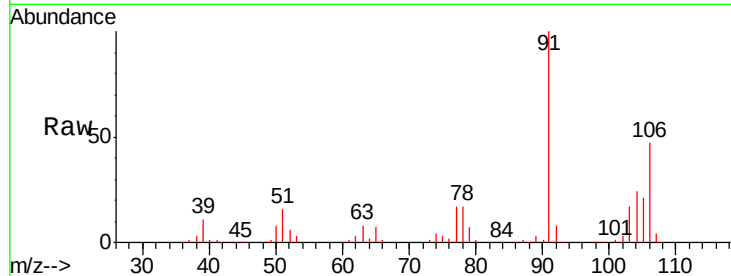




#69
o-Xylene
Concen: 20.18 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

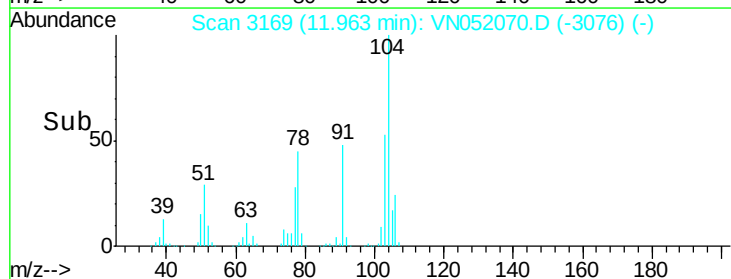
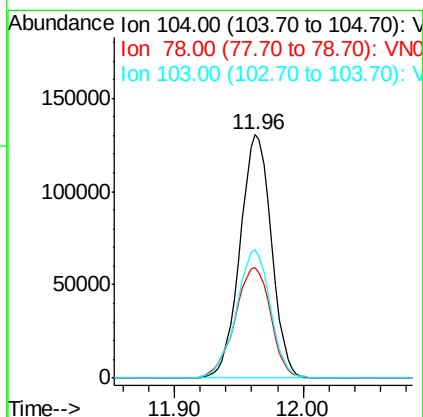
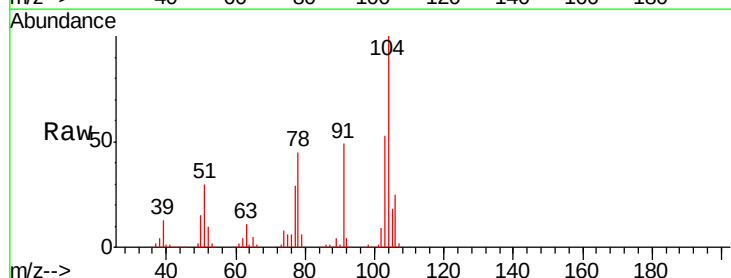
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

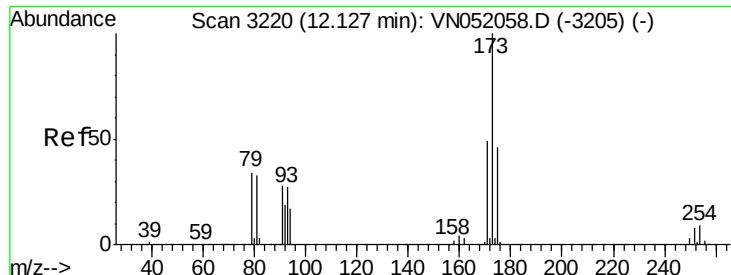
Tgt Ion:106 Resp: 143511
Ion Ratio Lower Upper
106 100
91 208.2 109.6 328.6



#70
Styrene
Concen: 19.26 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion:104 Resp: 221567
Ion Ratio Lower Upper
104 100
78 51.5 43.0 64.6
103 57.0 45.1 67.7

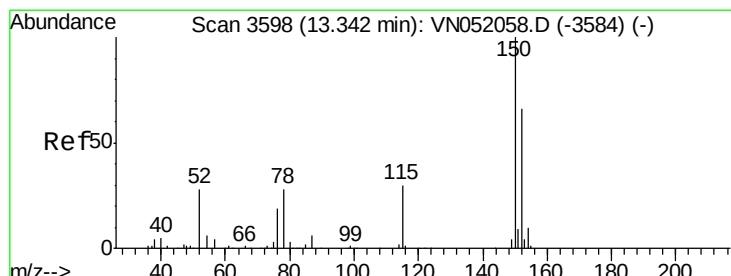
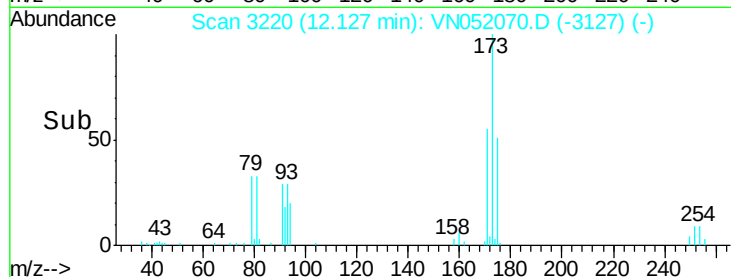
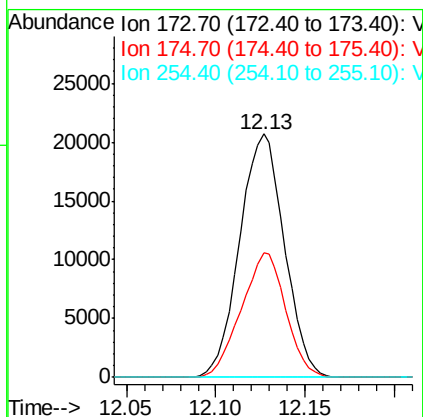
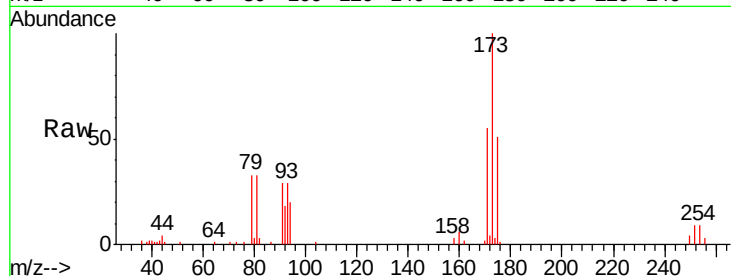




#71
Bromoform
Concen: 17.43 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

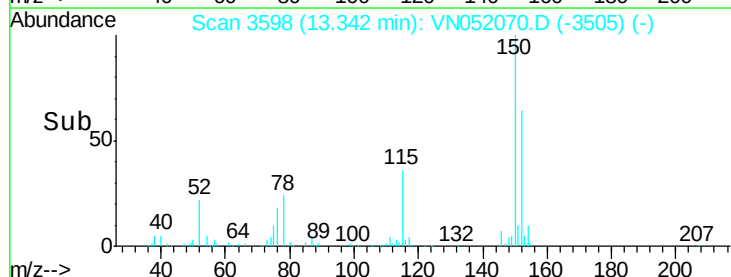
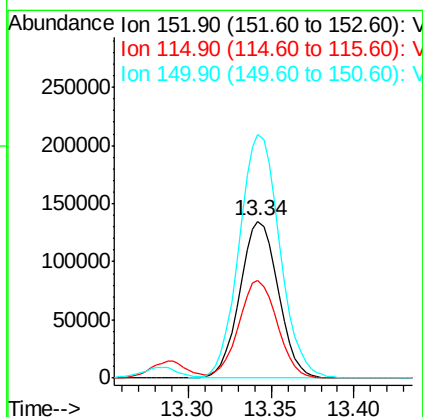
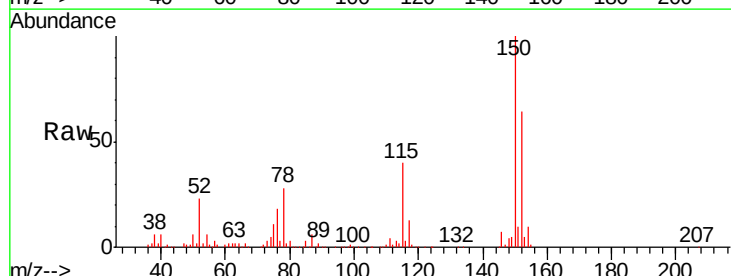
Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

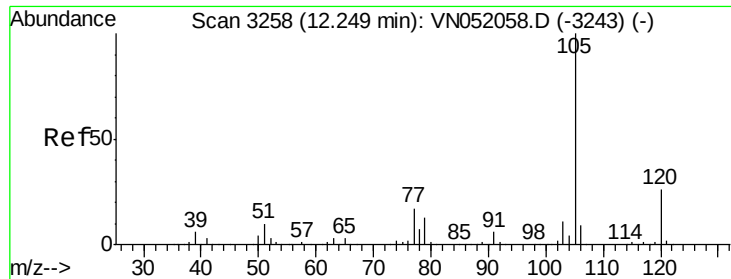
Tgt Ion:173 Resp: 36225
Ion Ratio Lower Upper
173 100
175 50.7 23.9 71.7
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion:152 Resp: 217157
Ion Ratio Lower Upper
152 100
115 62.9 31.6 95.0
150 164.5 0.0 345.0





#73

Isopropylbenzene

Concen: 19.61 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

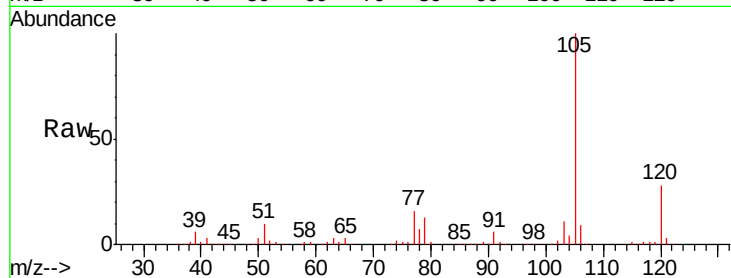
VN1031WBSD01

Tgt Ion: 105 Resp: 364247

Ion Ratio Lower Upper

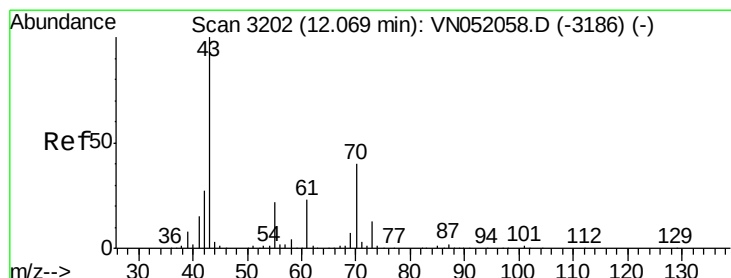
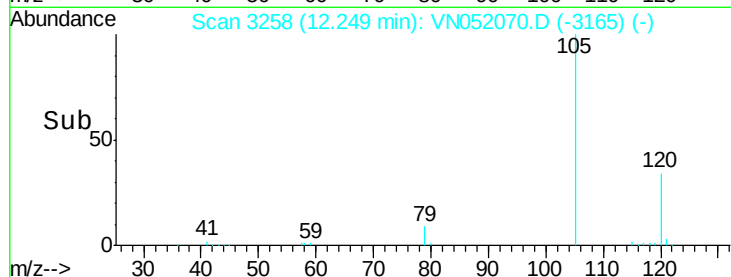
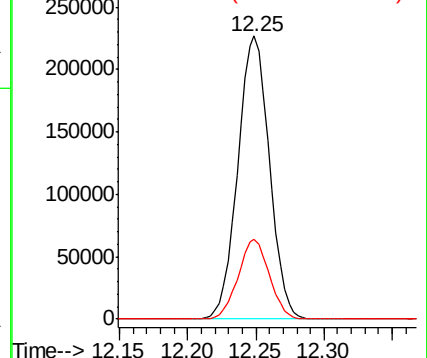
105 100

120 27.8 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-amyl acetate

Concen: 15.56 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Tgt Ion: 43 Resp: 100833

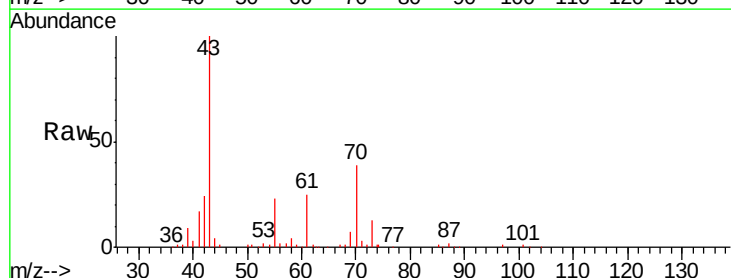
Ion Ratio Lower Upper

43 100

70 41.3 31.9 47.9

55 22.7 18.4 27.6

61 23.6 18.2 27.4

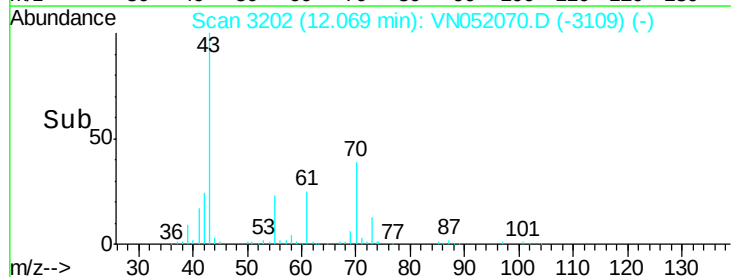
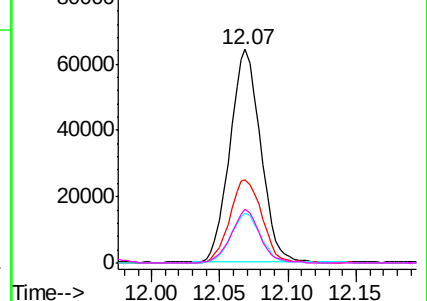


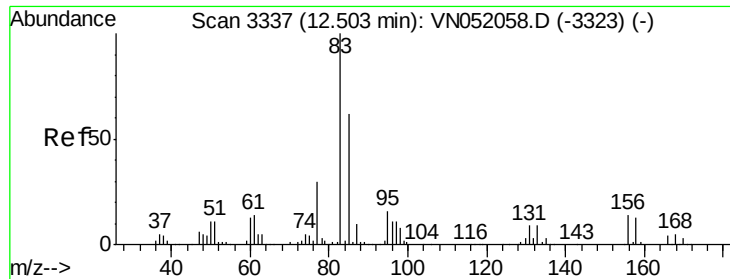
Abundance Ion 43.00 (42.70 to 43.70): V

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: 18.32 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

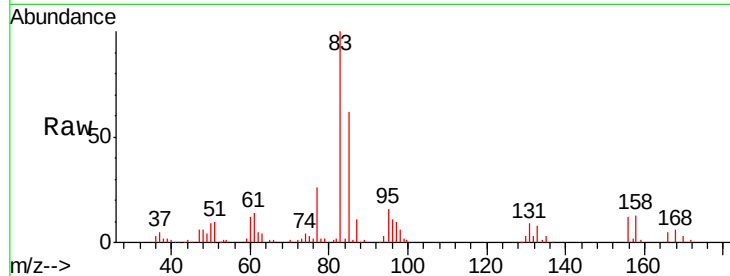
Tgt Ion: 83 Resp: 81560

Ion Ratio Lower Upper

83 100

131 9.7 4.5 13.4

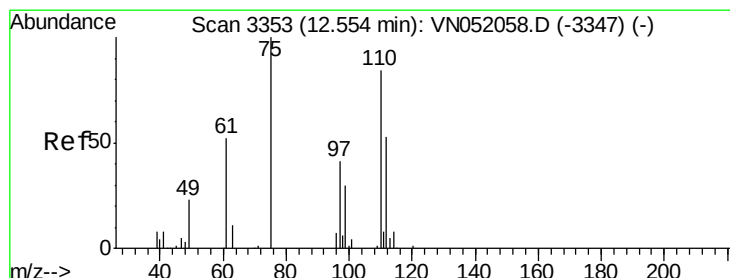
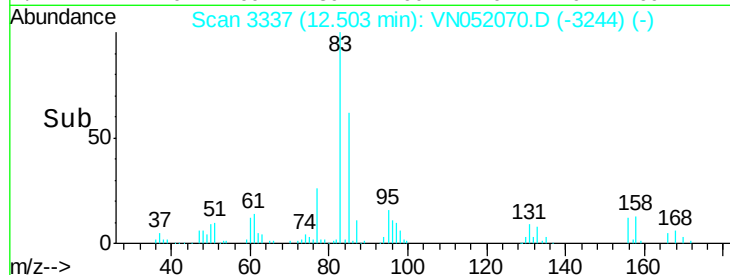
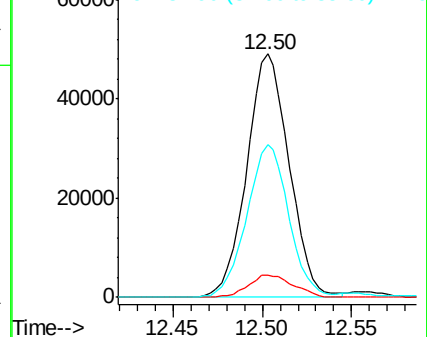
85 61.9 31.3 93.9



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: 25.34 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052070.D

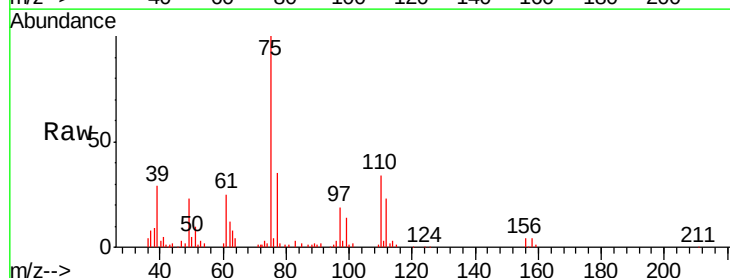
Acq: 31 Oct 2018 13:38

Tgt Ion: 75 Resp: 100724

Ion Ratio Lower Upper

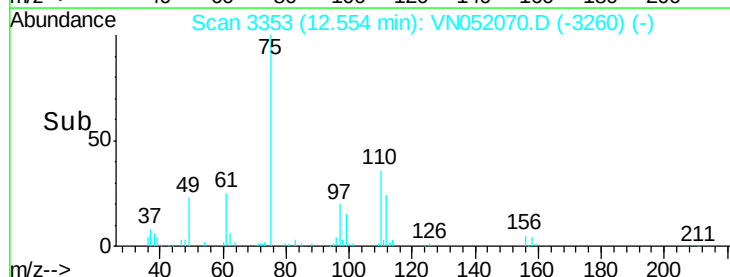
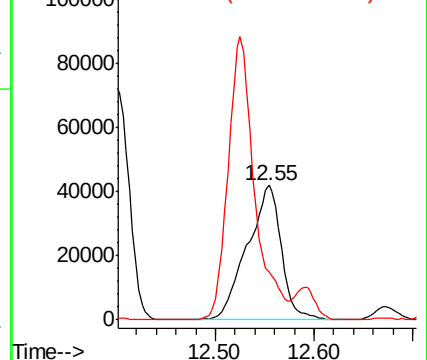
75 100

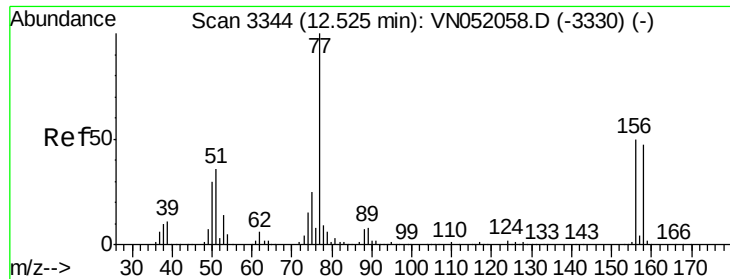
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.79 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

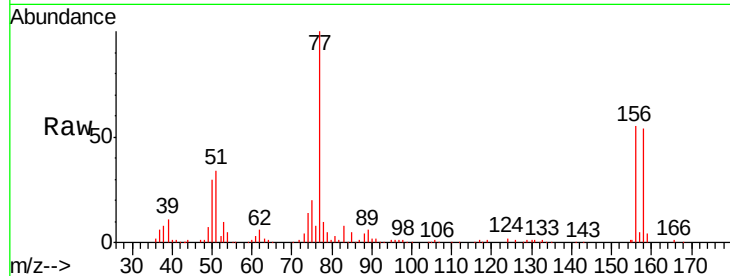
Tgt Ion:156 Resp: 80784

Ion Ratio Lower Upper

156 100

77 206.9 119.6 358.6

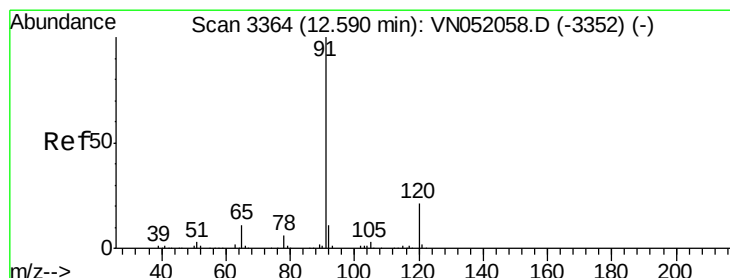
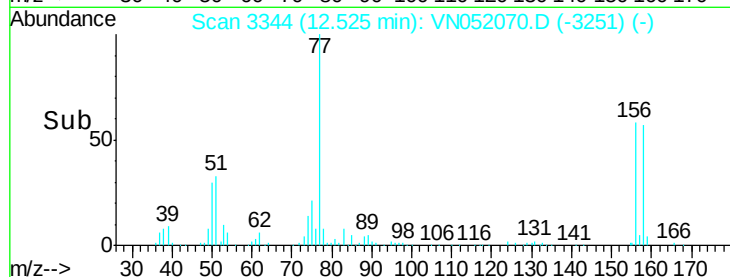
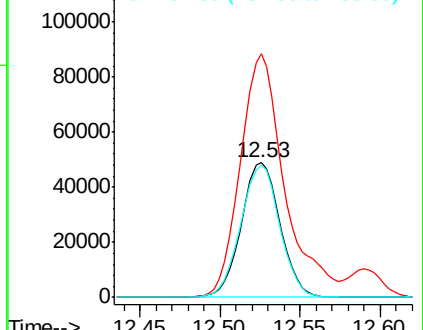
158 98.6 47.8 143.4



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: 18.71 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052070.D

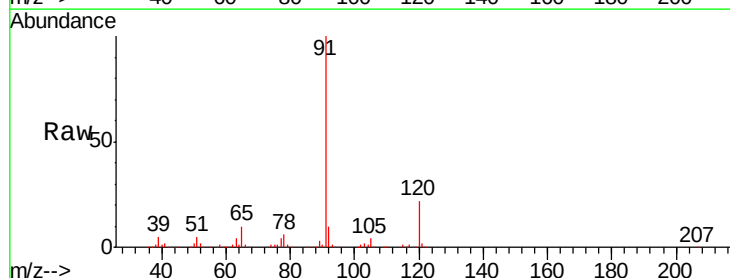
Acq: 31 Oct 2018 13:38

Tgt Ion: 91 Resp: 421110

Ion Ratio Lower Upper

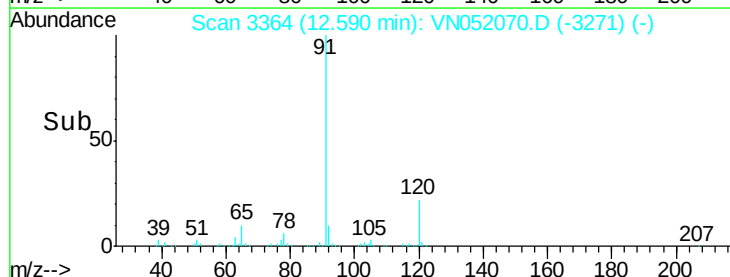
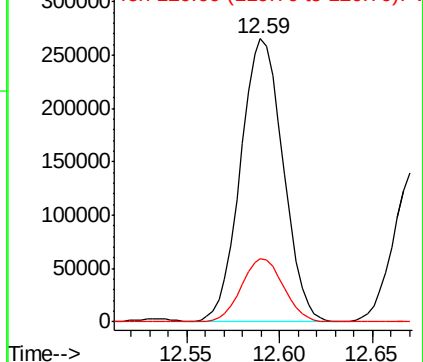
91 100

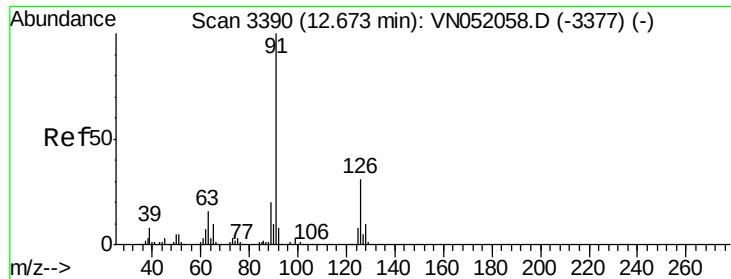
120 22.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.48 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

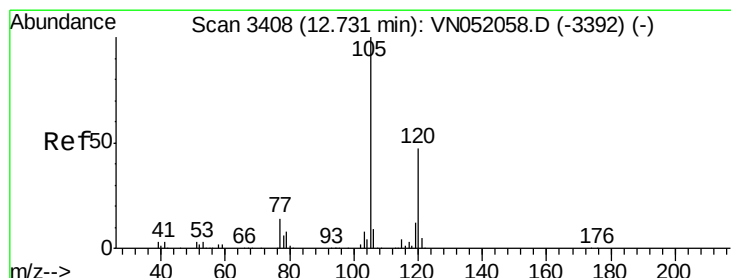
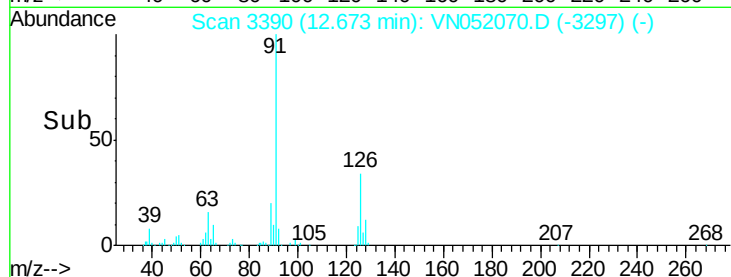
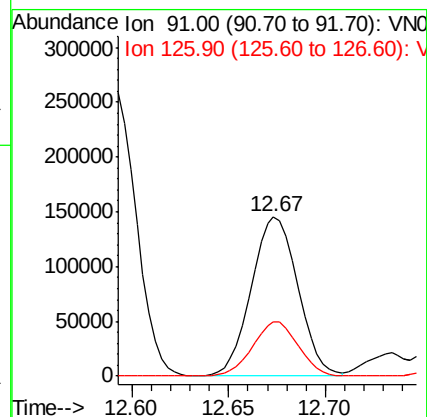
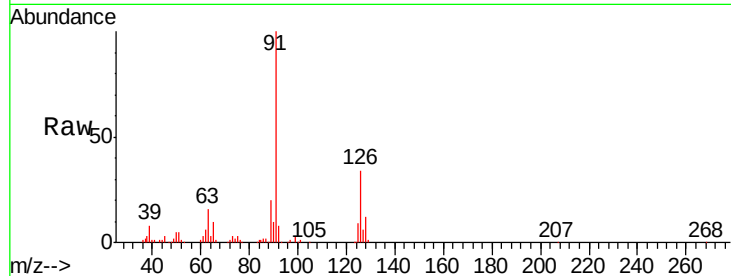
VN1031WBSD01

Tgt Ion: 91 Resp: 242352

Ion Ratio Lower Upper

91 100

126 33.5 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 19.91 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052070.D

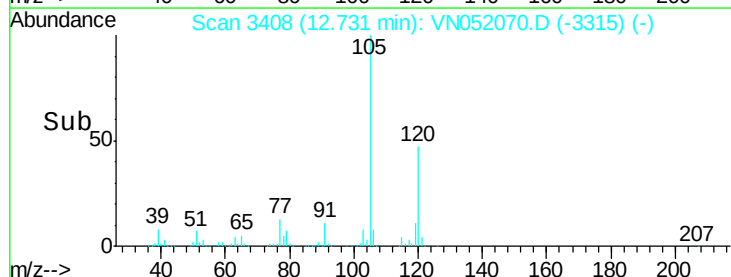
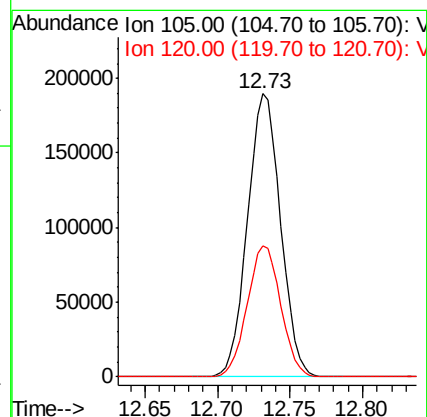
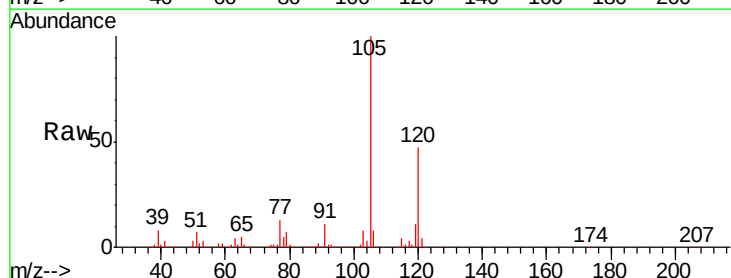
Acq: 31 Oct 2018 13:38

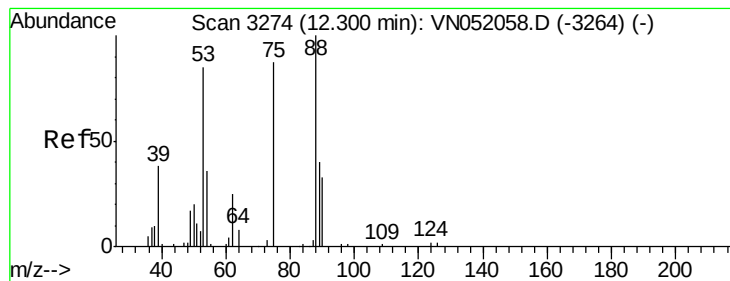
Tgt Ion: 105 Resp: 300799

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.68 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampled :

VN1031WBSD01

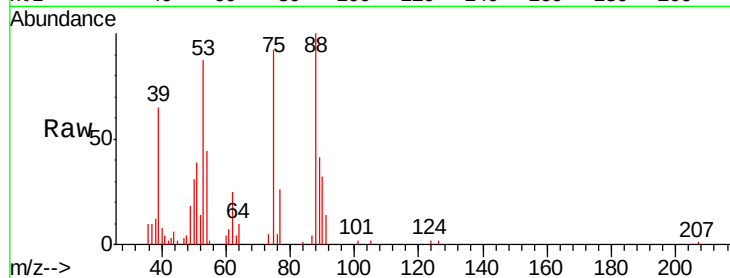
Tgt Ion: 75 Resp: 18783

Ion Ratio Lower Upper

75 100

53 99.3 81.8 122.6

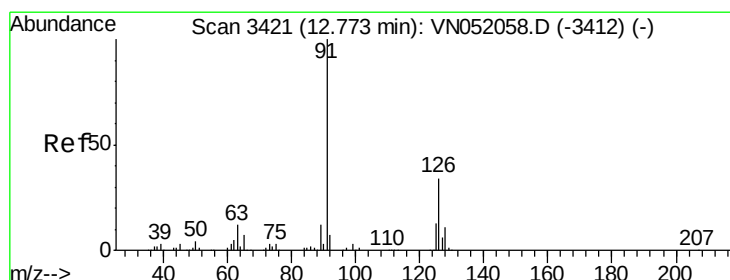
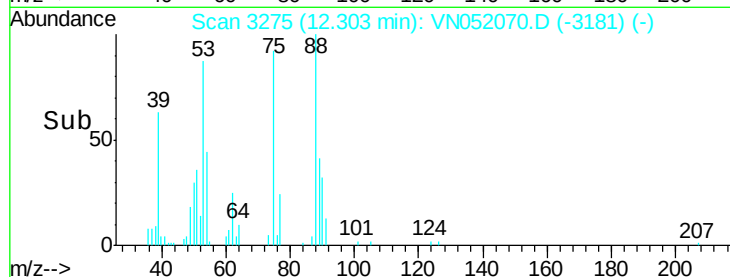
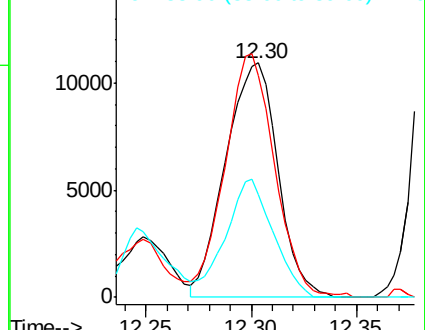
89 46.2 36.6 54.8



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: 18.64 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052070.D

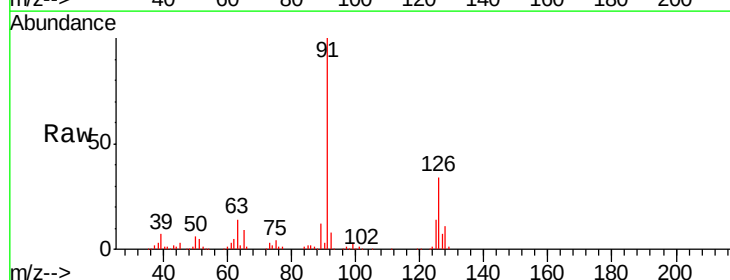
Acq: 31 Oct 2018 13:38

Tgt Ion: 91 Resp: 249278

Ion Ratio Lower Upper

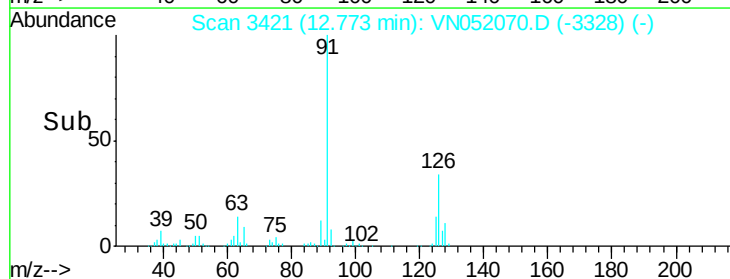
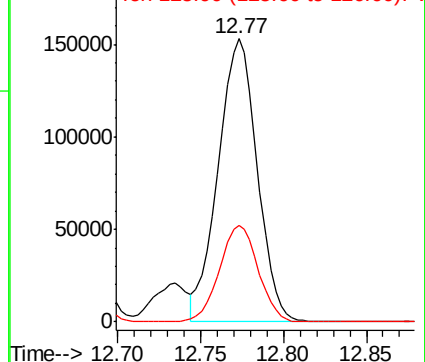
91 100

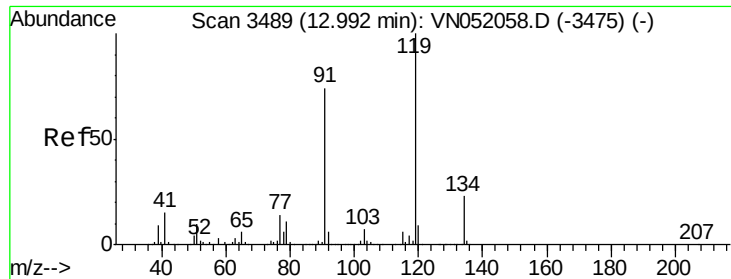
126 34.0 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

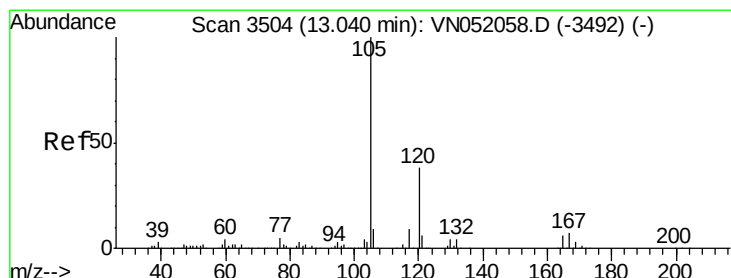
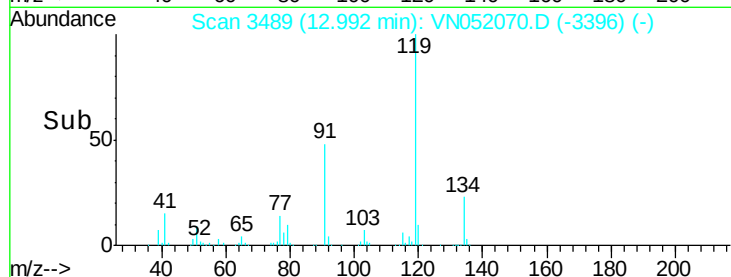
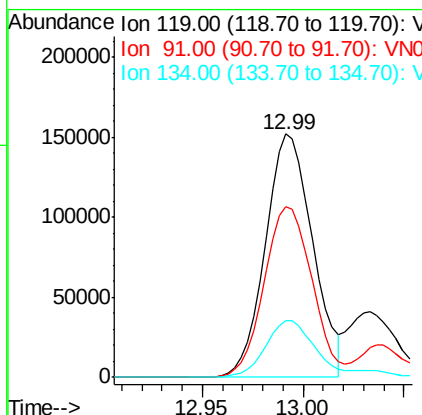
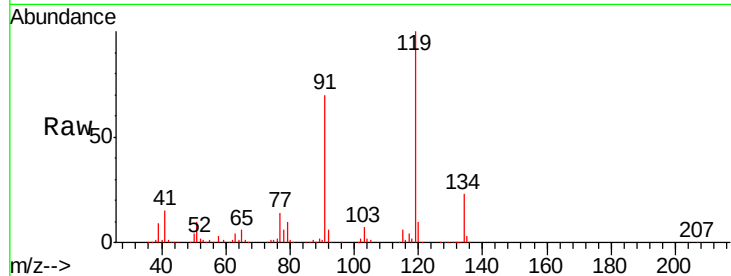




#83
 tert-Butylbenzene
 Concen: 19.54 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

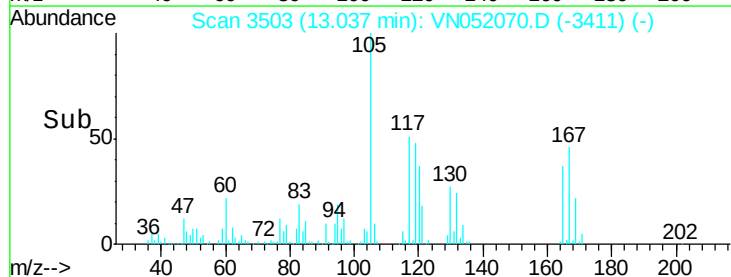
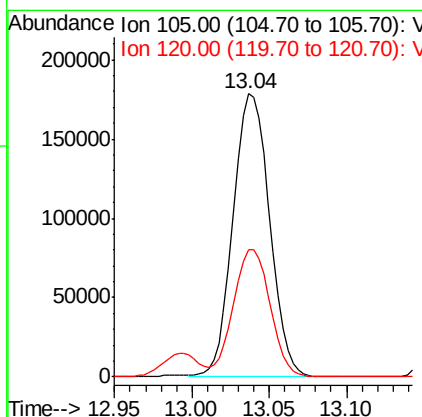
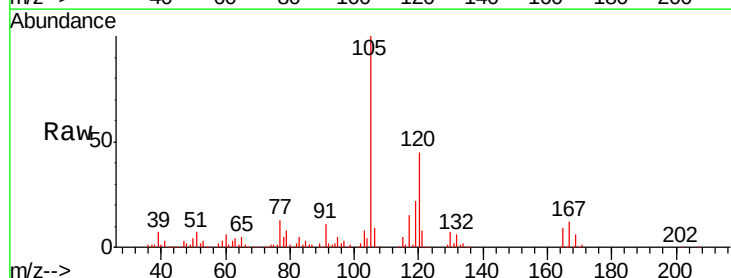
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

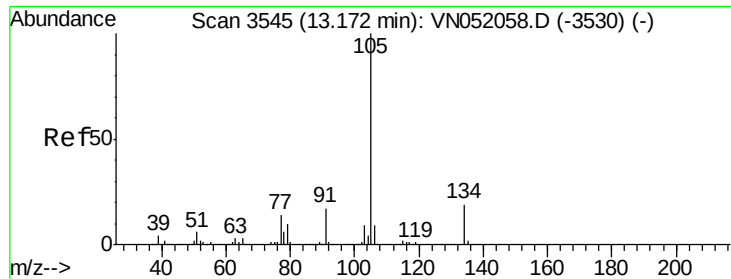
Tgt Ion:119 Resp: 248036
 Ion Ratio Lower Upper
 119 100
 91 70.7 36.6 109.9
 134 24.3 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.52 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion:105 Resp: 293647
 Ion Ratio Lower Upper
 105 100
 120 45.2 21.9 65.5





#85

sec-Butylbenzene

Concen: 18.92 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

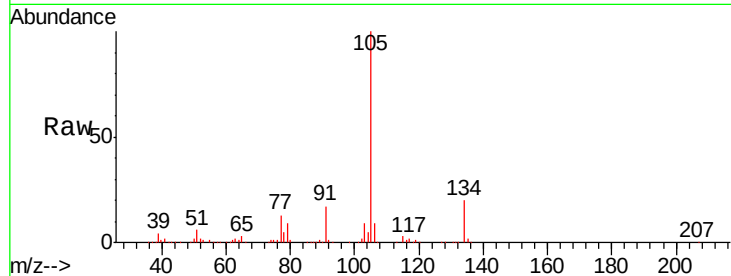
VN1031WBSD01

Tgt Ion:105 Resp: 343163

Ion Ratio Lower Upper

105 100

134 19.7 9.1 27.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

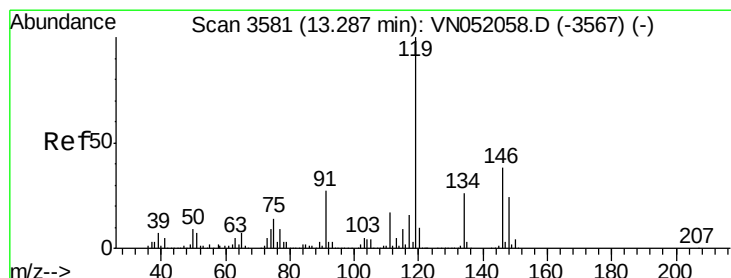
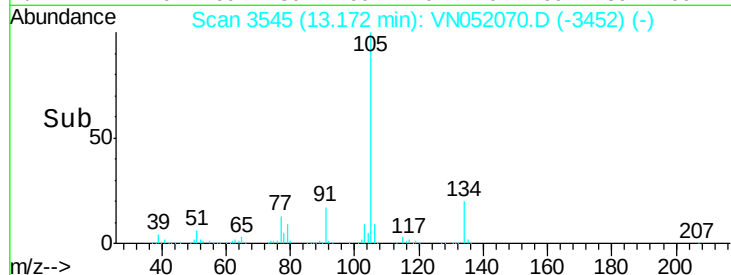
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.57 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

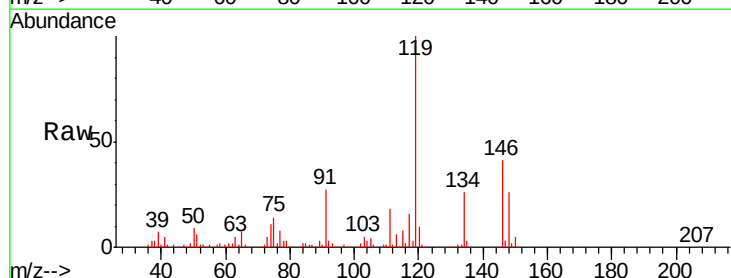
Tgt Ion:119 Resp: 289014

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 26.2 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

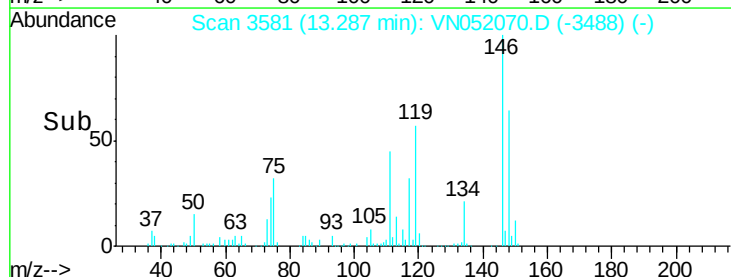
100000

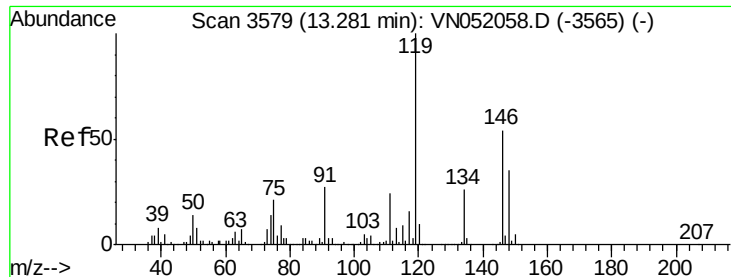
50000

0

13.25 13.30 13.35

Time-->

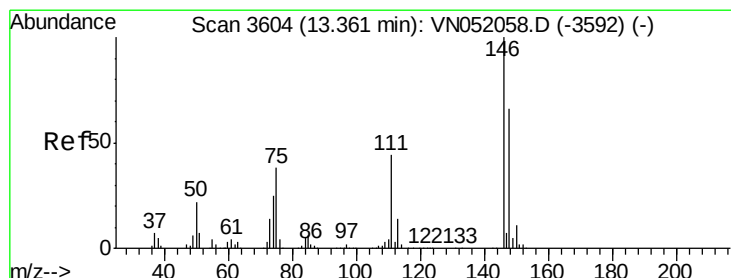
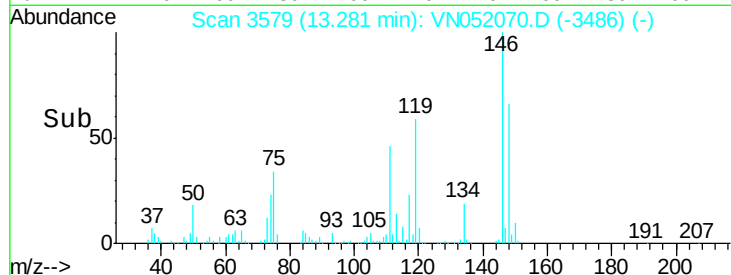
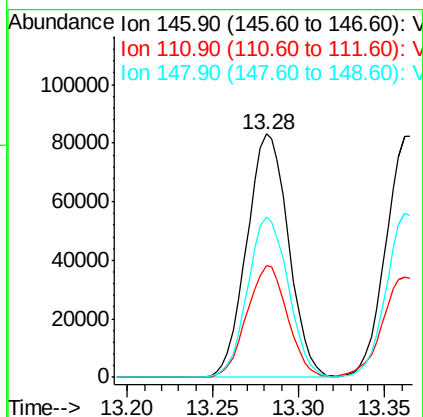
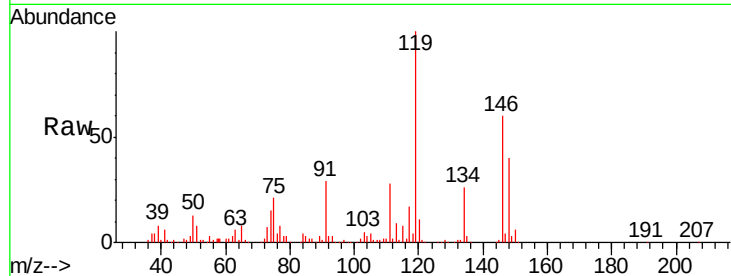




#87
 1,3-Dichlorobenzene
 Concen: 19.73 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

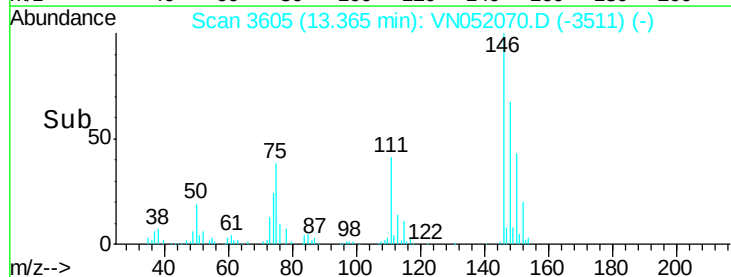
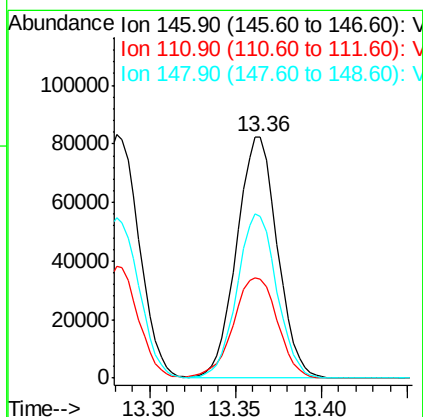
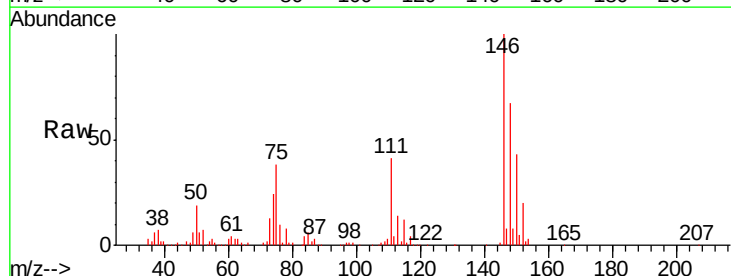
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

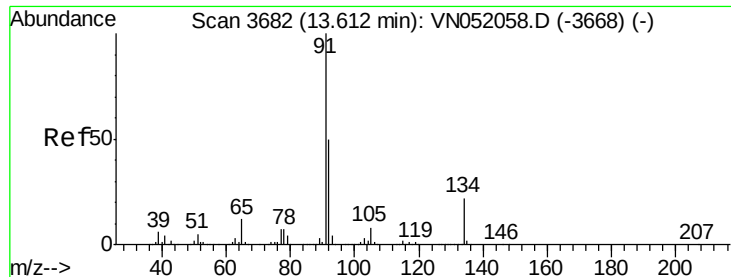
Tgt Ion:146 Resp: 139811
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.9 68.8
 148 64.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.03 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion:146 Resp: 135135
 Ion Ratio Lower Upper
 146 100
 111 45.3 21.9 65.8
 148 66.7 32.6 98.0





#89

n-Butylbenzene

Concen: 17.53 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052070.D

Acq: 31 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBSD01

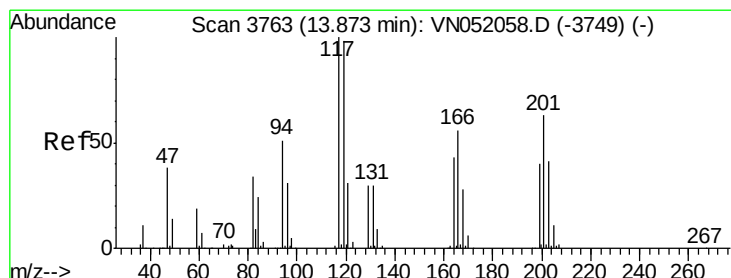
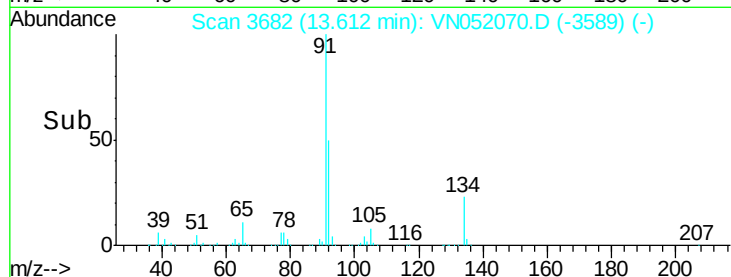
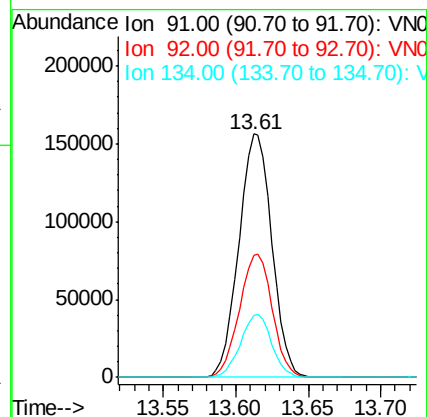
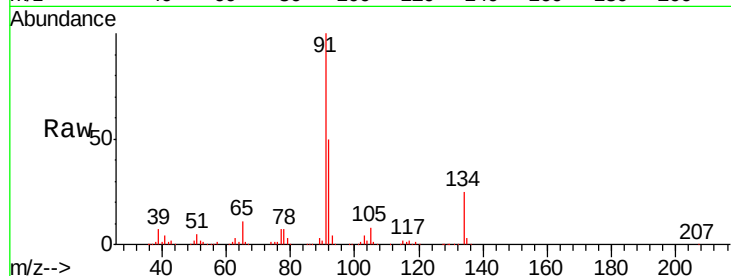
Tgt Ion: 91 Resp: 246841

Ion Ratio Lower Upper

91 100

92 50.4 25.3 75.8

134 24.4 11.2 33.5



#90

Hexachloroethane

Concen: 18.20 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052070.D

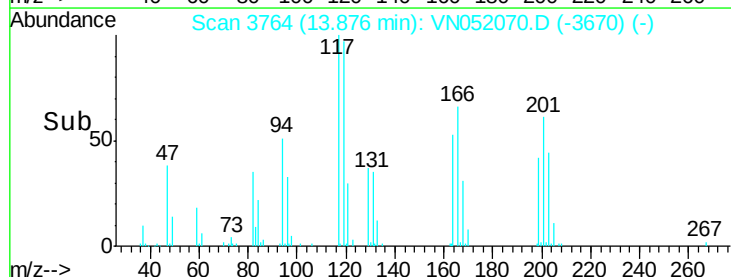
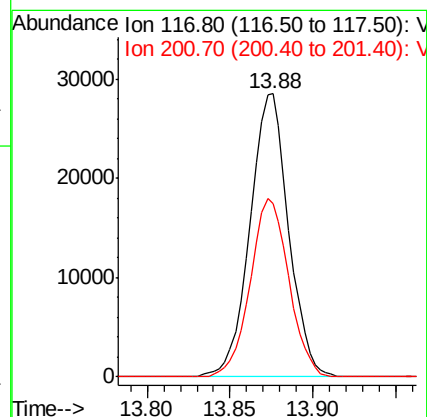
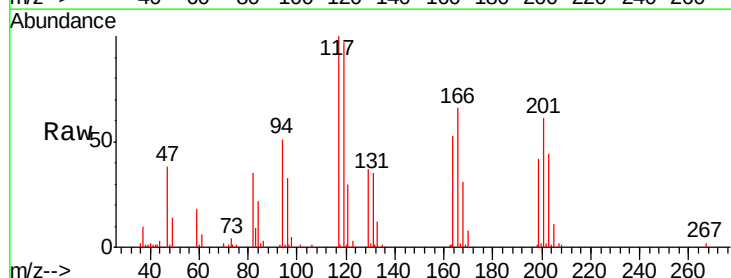
Acq: 31 Oct 2018 13:38

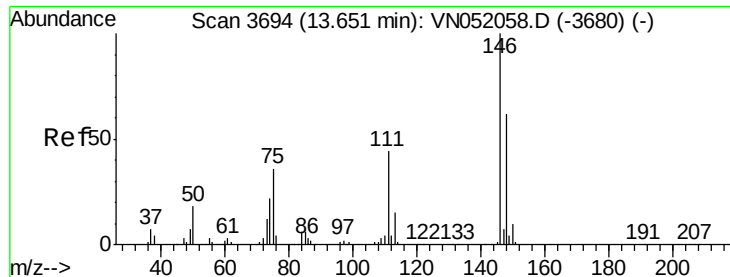
Tgt Ion: 117 Resp: 46054

Ion Ratio Lower Upper

117 100

201 63.0 31.1 93.5

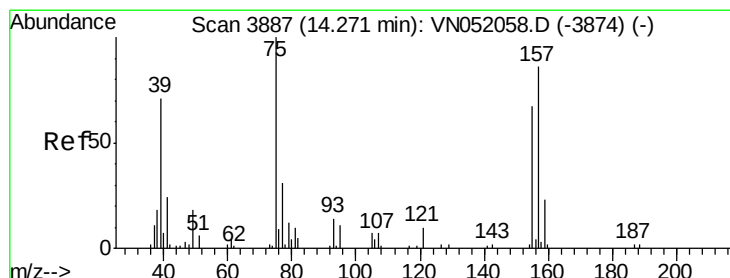
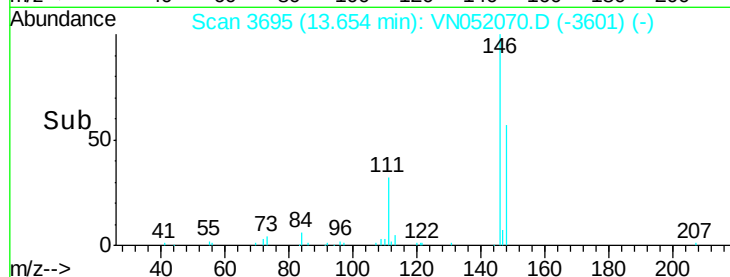
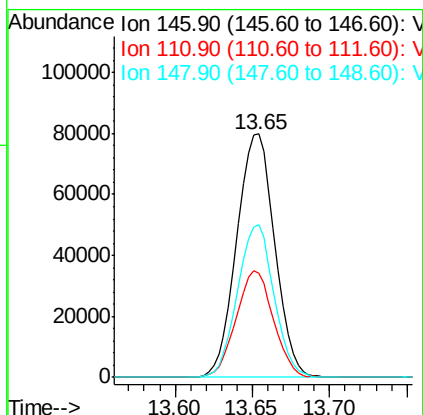
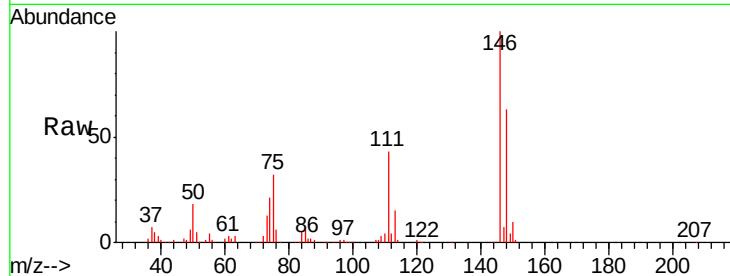




#91
 1,2-Dichlorobenzene
 Concen: 20.51 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

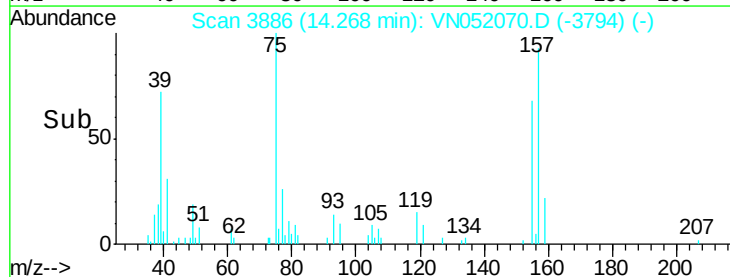
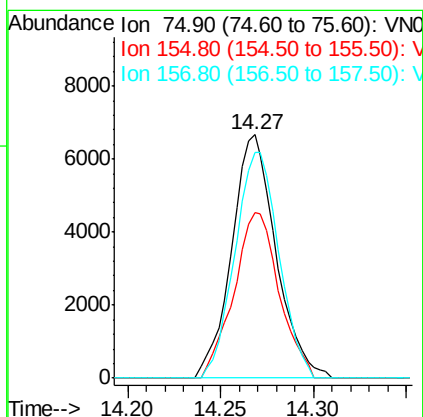
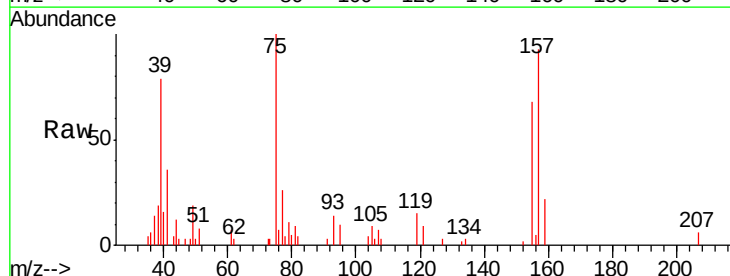
Instrument :
 MSVOA_N
 ClientSampled :
 VN1031WBSD01

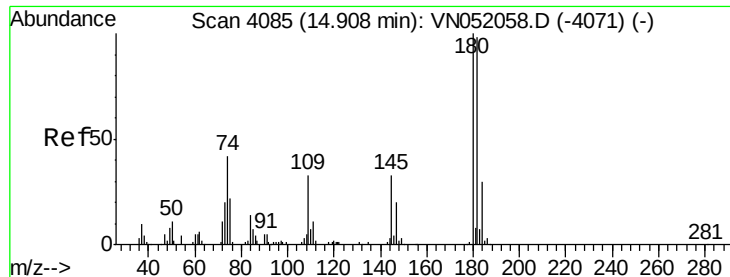
Tgt Ion: 146 Resp: 136612
 Ion Ratio Lower Upper
 146 100
 111 42.9 22.5 67.5
 148 60.1 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.85 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion: 75 Resp: 11073
 Ion Ratio Lower Upper
 75 100
 155 69.1 34.0 102.0
 157 91.9 42.1 126.4

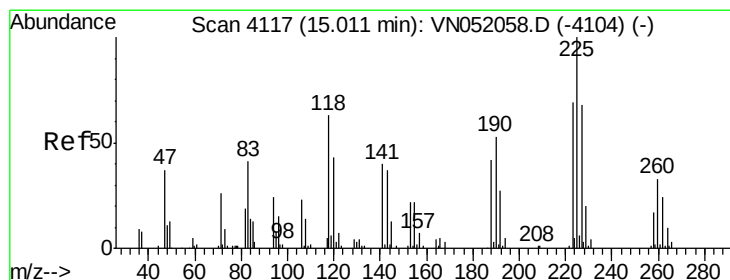
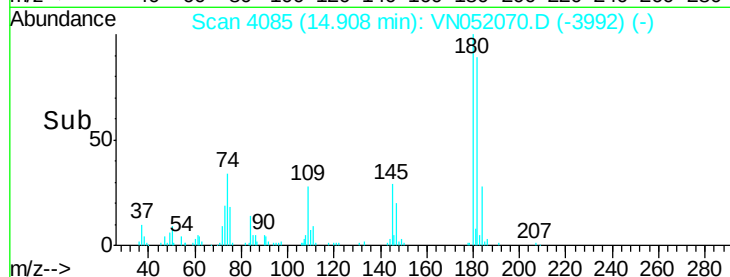
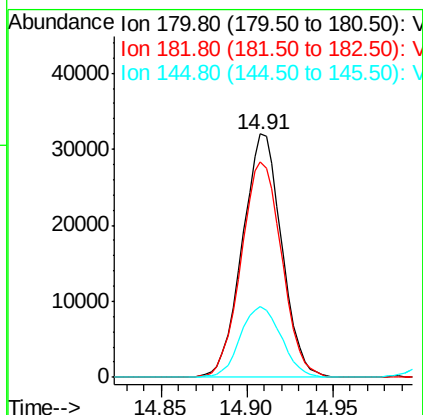
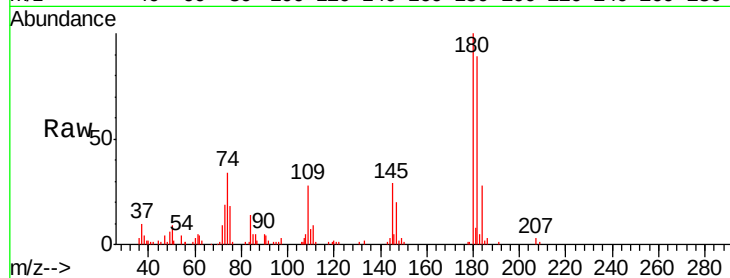




#93
 1,2,4-Trichlorobenzene
 Concen: 20.50 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

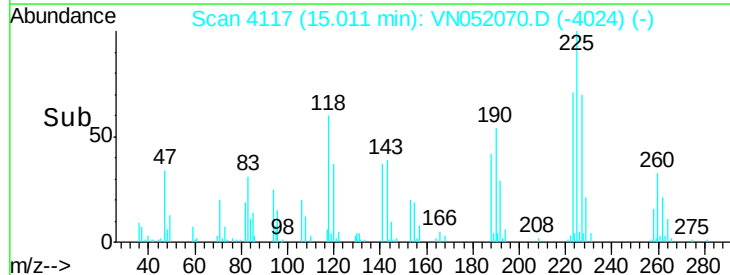
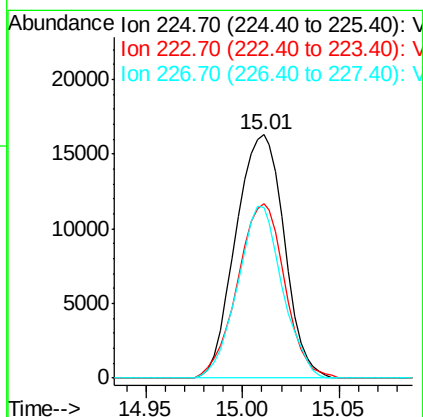
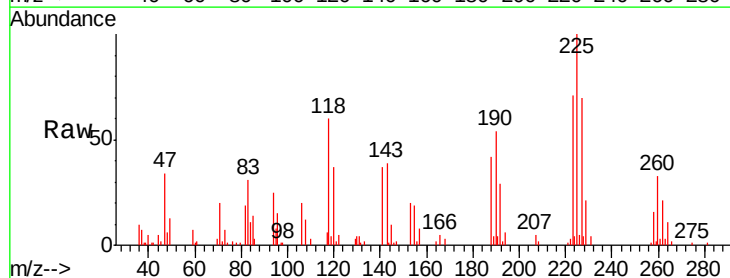
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

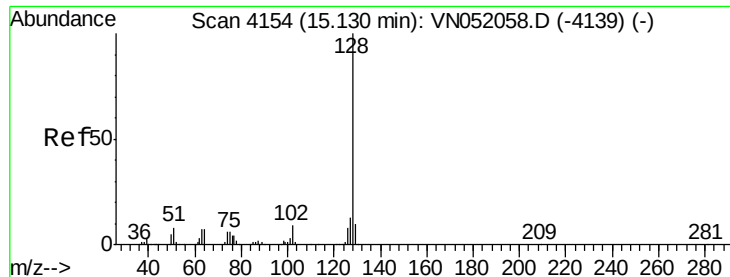
Tgt Ion:180 Resp: 50864
 Ion Ratio Lower Upper
 180 100
 182 91.3 49.1 147.4
 145 30.3 16.4 49.2



#94
 Hexachlorobutadiene
 Concen: 20.42 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052070.D
 Acq: 31 Oct 2018 13:38

Tgt Ion:225 Resp: 28358
 Ion Ratio Lower Upper
 225 100
 223 69.9 33.1 99.3
 227 65.4 32.6 97.8

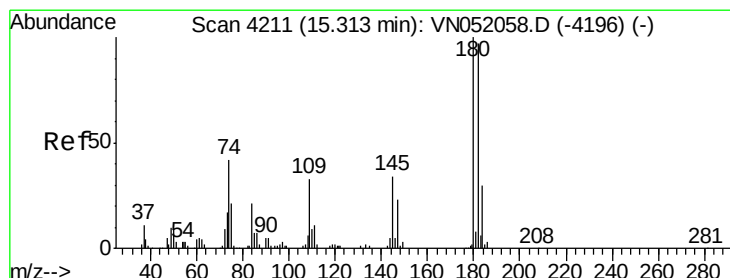
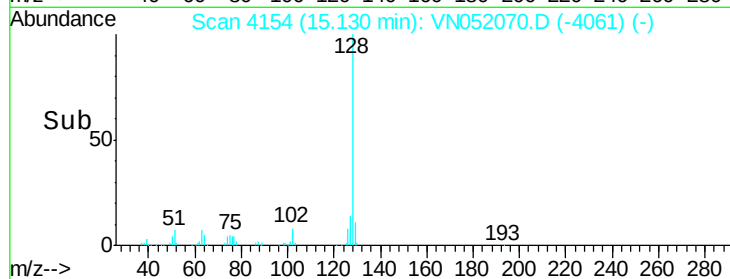
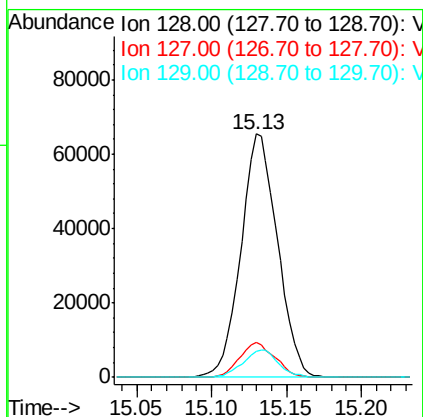
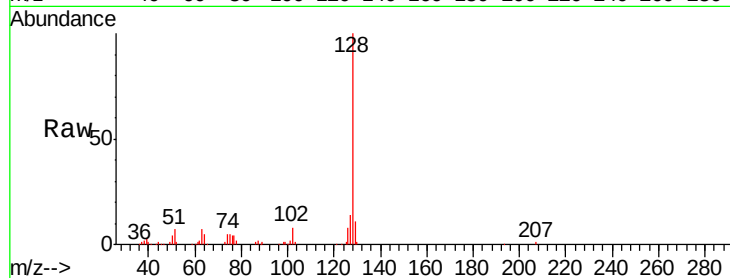




#95
Naphthalene
Concen: 17.86 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBSD01

Tgt Ion:128 Resp: 111151
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.48 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052070.D
Acq: 31 Oct 2018 13:38

Tgt Ion:180 Resp: 43842
Ion Ratio Lower Upper
180 100
182 92.3 47.2 141.6
145 32.1 16.6 49.7

