

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051014.D
 Acq On : 4 Sep 2018 13:02
 Operator : MD\SY
 Sample : VN0904WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD01

Quant Time: Sep 05 01:07:21 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	603475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	772676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	360324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	358199	49.30	ug/l	0.00
Spiked Amount						
			Recovery	=	98.60%	
35) Dibromofluoromethane	7.59	113	343197	49.84	ug/l	0.00
Spiked Amount						
			Recovery	=	99.68%	
50) Toluene-d8	10.09	98	1259138	48.91	ug/l	0.00
Spiked Amount						
			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	394582	46.12	ug/l	0.00
Spiked Amount						
			Recovery	=	92.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	141120	17.47	ug/l	100
3) Chloromethane	2.06	50	164990	16.56	ug/l	99
4) Vinyl Chloride	2.18	62	166325	17.63	ug/l	99
5) Bromomethane	2.56	94	91431	16.33	ug/l	98
6) Chloroethane	2.70	64	97418	17.87	ug/l	100
7) Trichlorofluoromethane	3.01	101	224830	18.61	ug/l	98
8) Diethyl Ether	3.41	74	77381	18.83	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137094	18.16	ug/l	98
10) Methyl Iodide	3.95	142	93606	18.68	ug/l	98
11) Tert butyl alcohol	4.79	59	45840	99.09	ug/l	100
12) 1,1-Dichloroethene	3.74	96	124729	18.40	ug/l	98
13) Acrolein	3.61	56	28044	114.29	ug/l	99
14) Allyl chloride	4.32	41	190515	18.04	ug/l	98
15) Acrylonitrile	5.00	53	227981	96.97	ug/l	99
16) Acetone	3.82	43	155841	85.95	ug/l	97
17) Carbon Disulfide	4.05	76	353288	15.55	ug/l	100
18) Methyl Acetate	4.33	43	158464	23.10	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	333355	19.55	ug/l	99
20) Methylene Chloride	4.55	84	147727	18.04	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	130158	17.75	ug/l	98
22) Diisopropyl ether	5.96	45	420452	19.98	ug/l	99
23) Vinyl Acetate	5.90	43	1223808	90.29	ug/l	99
24) 1,1-Dichloroethane	5.85	63	252398	18.68	ug/l	99
25) 2-Butanone	6.84	43	246781	84.29	ug/l	99
26) 2,2-Dichloropropane	6.83	77	181374	16.70	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	150906	19.09	ug/l	97
28) Bromochloromethane	7.20	49	110294	19.21	ug/l	96
29) Tetrahydrofuran	7.22	42	169227	100.81	ug/l	99
30) Chloroform	7.37	83	254945	19.05	ug/l	99
31) Cyclohexane	7.66	56	210703	17.46	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	215140	18.72	ug/l	99
36) 1,1-Dichloropropene	7.80	75	186084	18.22	ug/l	100
37) Ethyl Acetate	6.93	43	113399	19.33	ug/l	99
38) Carbon Tetrachloride	7.78	117	192966	18.69	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 05 01:07:21 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	186891	16.91	ug/l	98
40) Benzene	8.04	78	581389	18.88	ug/l	100
41) Methacrylonitrile	7.18	41	47967	15.11	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	177146	19.24	ug/l	100
43) Isopropyl Acetate	8.17	43	197076	19.53	ug/l	100
44) Trichloroethene	8.84	130	153725	18.92	ug/l	94
45) 1,2-Dichloropropane	9.12	63	152516	18.84	ug/l	100
46) Dibromomethane	9.21	93	90867	19.10	ug/l	98
47) Bromodichloromethane	9.41	83	191178	19.19	ug/l	99
48) Methyl methacrylate	9.20	41	93289	18.14	ug/l	95
49) 1,4-Dioxane	9.20	88	27544	392.98	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	571936	95.00	ug/l	100
52) Toluene	10.16	92	353808	19.39	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	178950	18.05	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	211517	18.63	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	132799	19.61	ug/l	99
56) Ethyl methacrylate	10.43	69	147529	18.31	ug/l	100
57) 1,3-Dichloropropane	10.71	76	216073	19.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	301702	86.87	ug/l	99
59) 2-Hexanone	10.75	43	355942	88.81	ug/l	100
60) Dibromochloromethane	10.90	129	147069	19.40	ug/l	100
61) 1,2-Dibromoethane	11.01	107	124229	18.97	ug/l	99
64) Tetrachloroethene	10.63	164	141823	19.32	ug/l	98
65) Chlorobenzene	11.44	112	381175	18.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	144571	19.56	ug/l	99
67) Ethyl Benzene	11.51	91	613986	18.70	ug/l	99
68) m/p-Xylenes	11.62	106	484182	38.85	ug/l	100
69) o-Xylene	11.95	106	231059	19.28	ug/l	100
70) Styrene	11.97	104	362232	17.99	ug/l	100
71) Bromoform	12.13	173	100152	19.71	ug/l #	99
73) Isopropylbenzene	12.25	105	609164	20.42	ug/l	99
74) N-amyl acetate	12.07	43	140835	18.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	163488	22.07	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	183266	29.04	ug/l #	100
77) Bromobenzene	12.53	156	159222	19.64	ug/l	99
78) n-propylbenzene	12.59	91	671302	20.14	ug/l	99
79) 2-Chlorotoluene	12.68	91	416538	20.06	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	502414	20.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34468	18.46	ug/l	96
82) 4-Chlorotoluene	12.77	91	403070	19.67	ug/l	100
83) tert-Butylbenzene	12.99	119	441974	21.20	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	503011	20.77	ug/l	99
85) sec-Butylbenzene	13.17	105	560348	20.51	ug/l	99
86) p-Isopropyltoluene	13.29	119	473621	20.35	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	261607	19.01	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	250572	18.50	ug/l	100
89) n-Butylbenzene	13.62	91	336535	18.08	ug/l	99
90) Hexachloroethane	13.88	117	91776	20.79	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	259107	19.52	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20192	18.84	ug/l	98

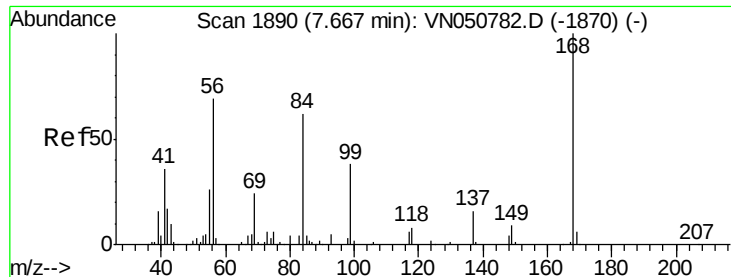
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
Data File : VN051014.D
Acq On : 4 Sep 2018 13:02
Operator : MD\SY
Sample : VN0904WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

Quant Time: Sep 05 01:07:21 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	92005	16.32	ug/l	98
94) Hexachlorobutadiene	15.01	225	81490	20.04	ug/l	99
95) Naphthalene	15.14	128	171416	16.02	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	96247	17.18	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

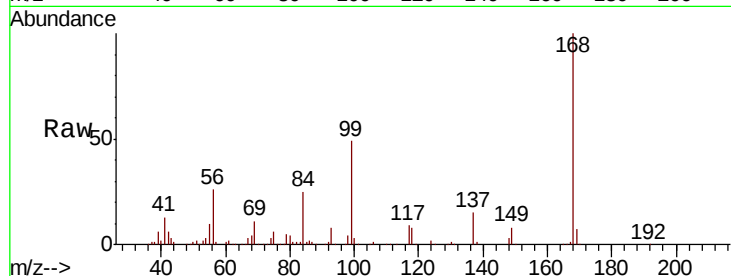
VN0904WBSD01

Tot Ion:168 Resp: 603475

Ion Ratio Lower Upper

168 100

99 48.2 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

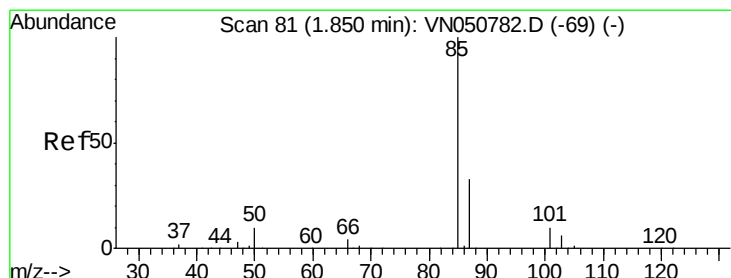
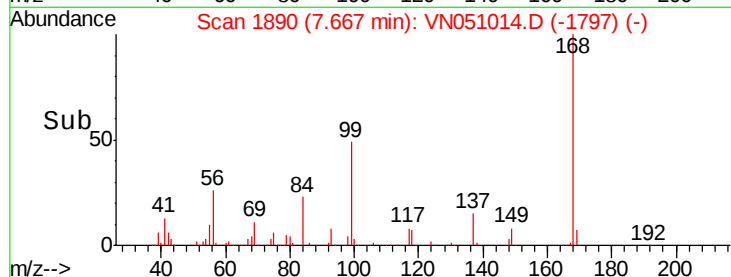
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.47 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN051014.D

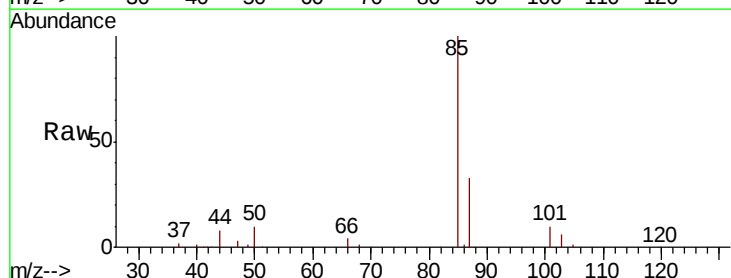
Acq: 4 Sep 2018 13:02

Tgt Ion: 85 Resp: 141120

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

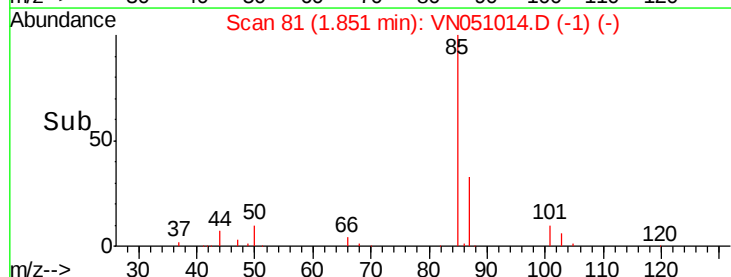
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 16.56 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

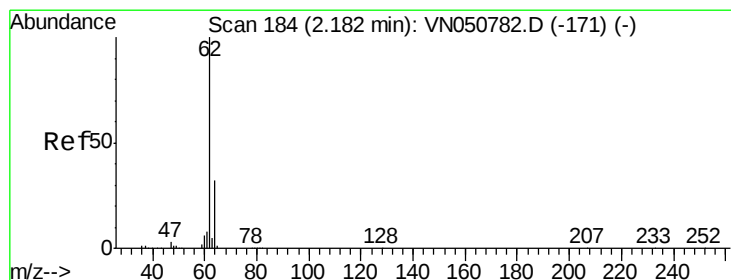
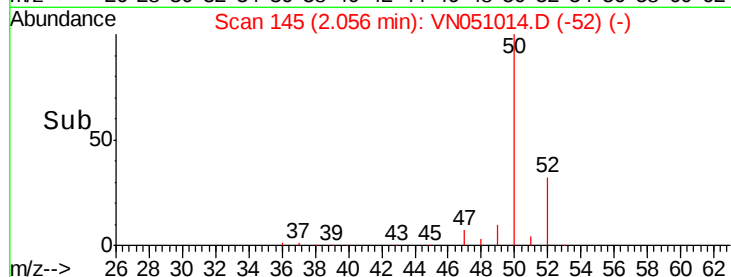
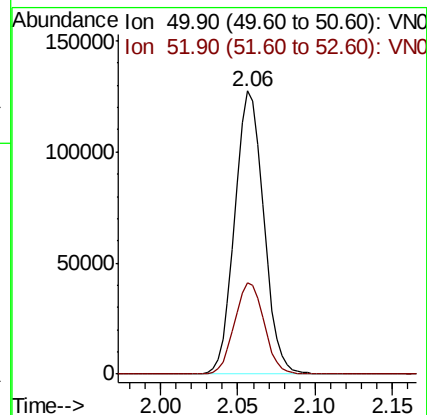
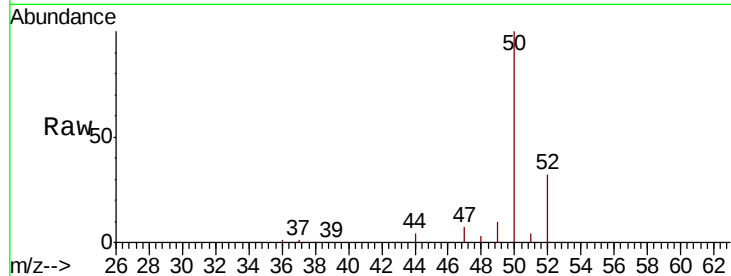
VN0904WBSD01

Tot Ion: 50 Resp: 164990

Ion Ratio Lower Upper

50 100

52 32.1 26.3 39.5



#4

Vinyl Chloride

Concen: 17.63 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN051014.D

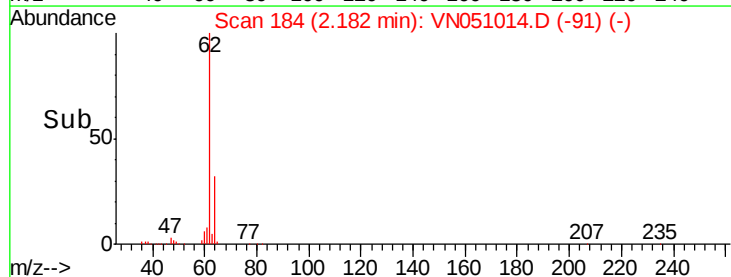
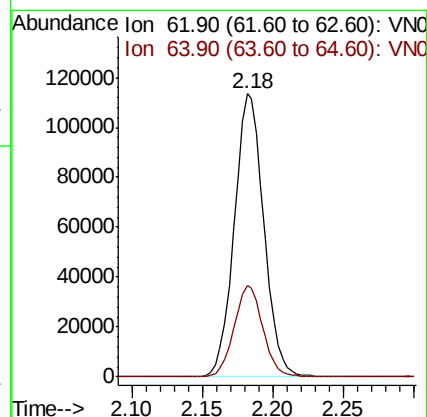
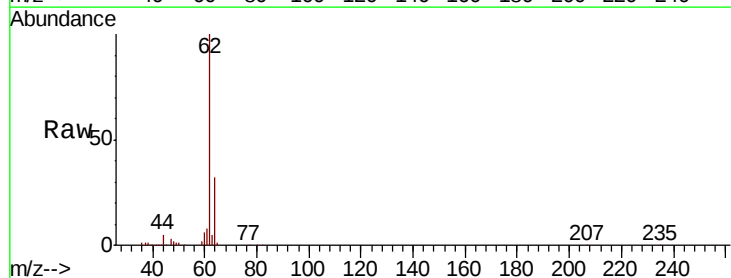
Acq: 4 Sep 2018 13:02

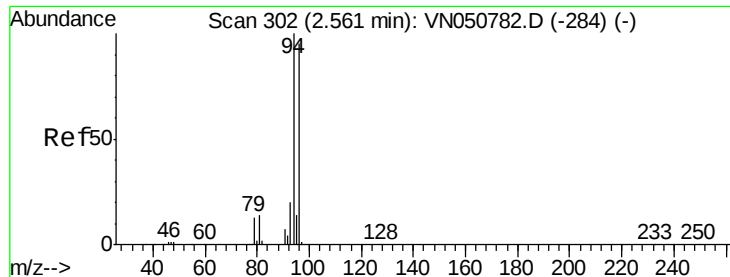
Tgt Ion: 62 Resp: 166325

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 16.33 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

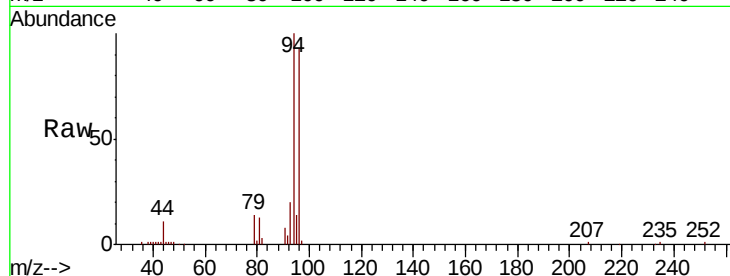
VN0904WBSD01

Tot Ion: 94 Resp: 91431

Ion Ratio Lower Upper

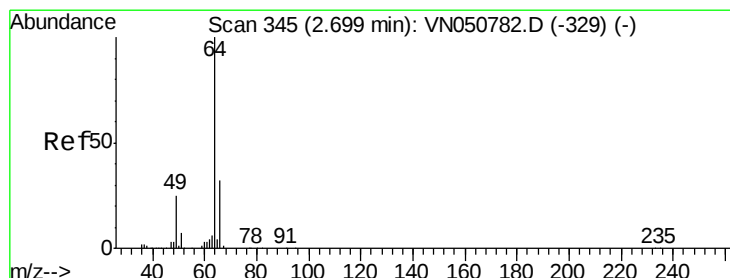
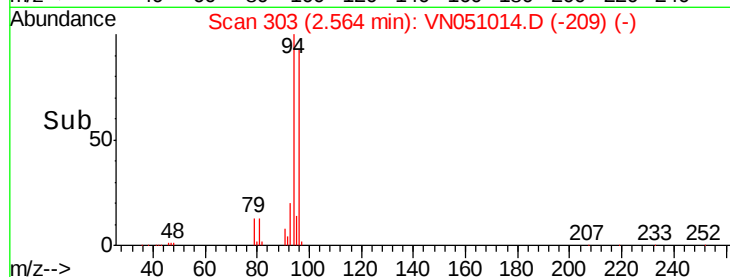
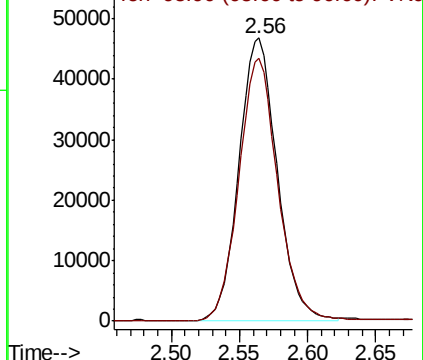
94 100

96 92.9 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.87 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN051014.D

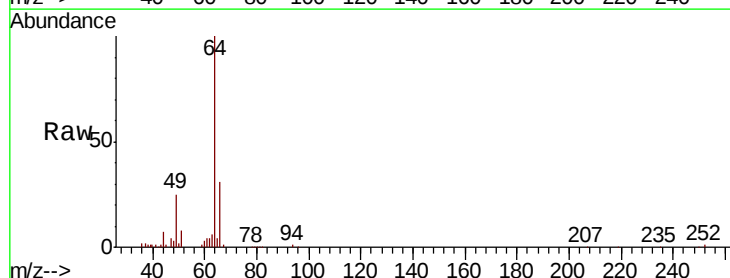
Acq: 4 Sep 2018 13:02

Tgt Ion: 64 Resp: 97418

Ion Ratio Lower Upper

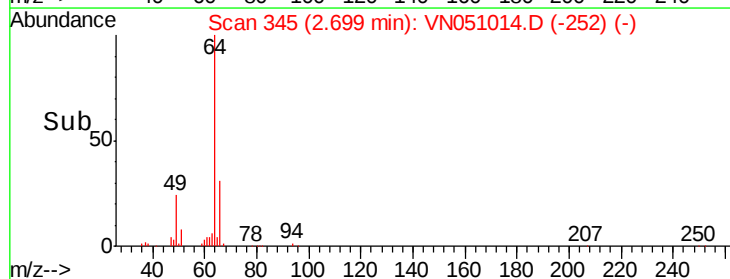
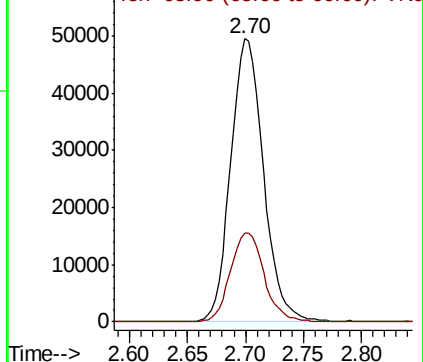
64 100

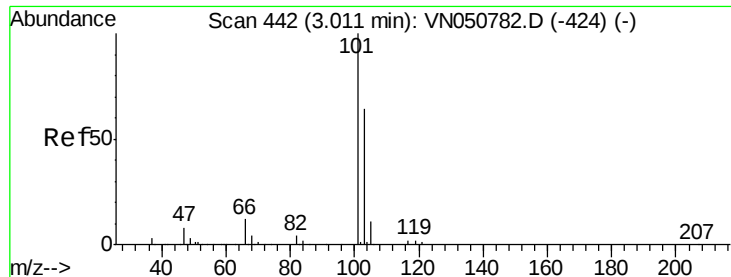
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 18.61 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

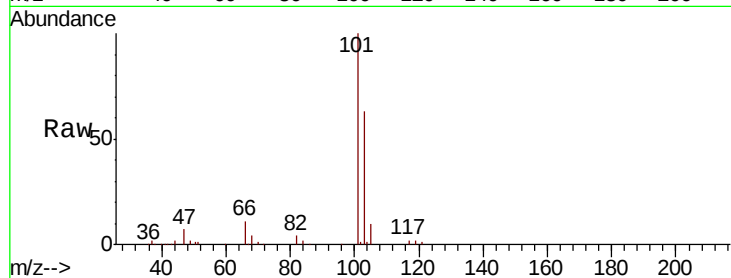
VN0904WBSD01

Tot Ion:101 Resp: 224830

Ion Ratio Lower Upper

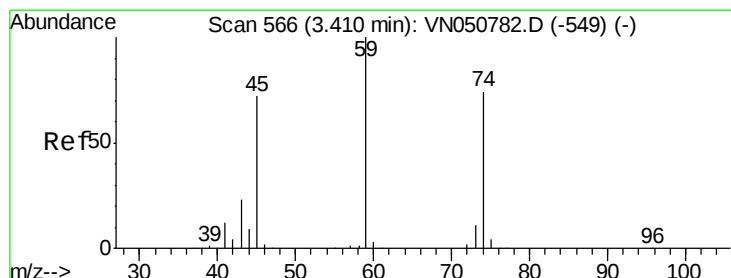
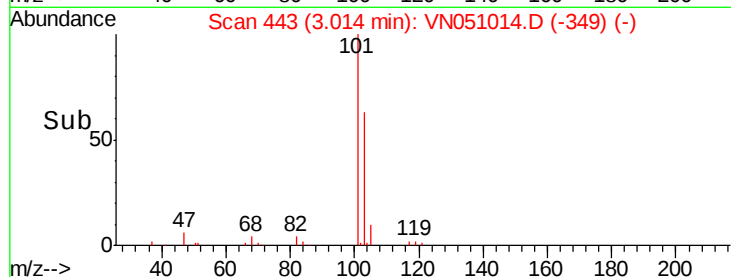
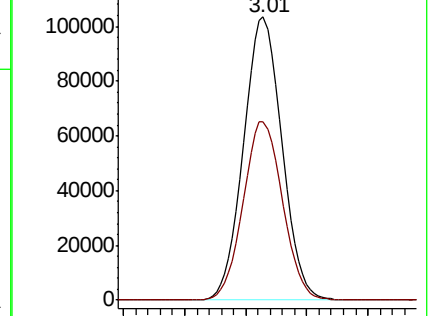
101 100

103 63.2 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.83 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN051014.D

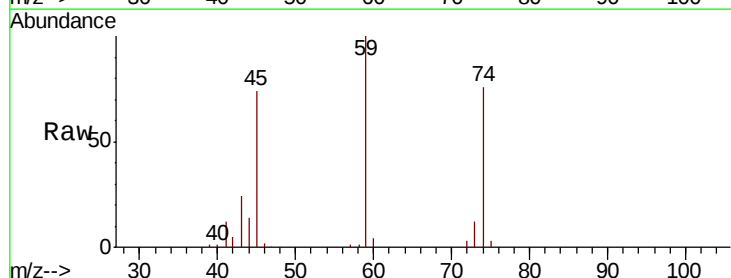
Acq: 4 Sep 2018 13:02

Tgt Ion: 74 Resp: 77381

Ion Ratio Lower Upper

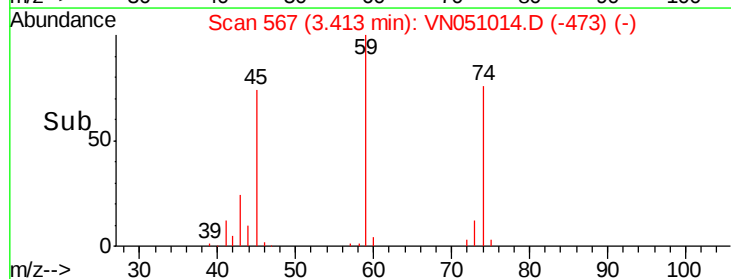
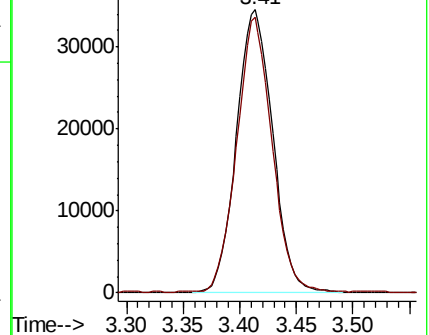
74 100

45 95.1 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.16 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

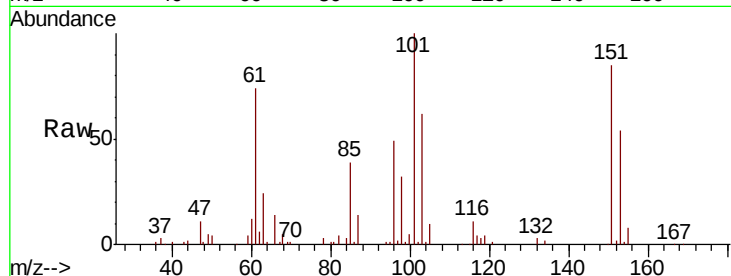
Tot Ion:101 Resp: 137094

Ion Ratio Lower Upper

101 100

85 41.8 33.7 50.5

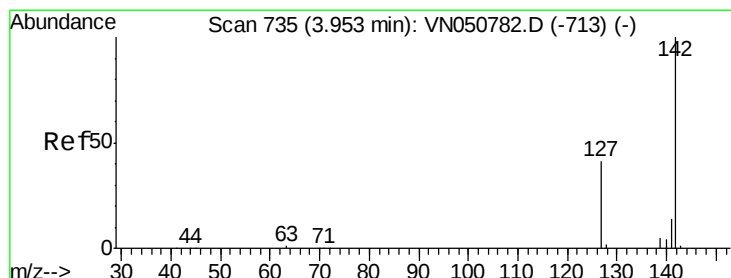
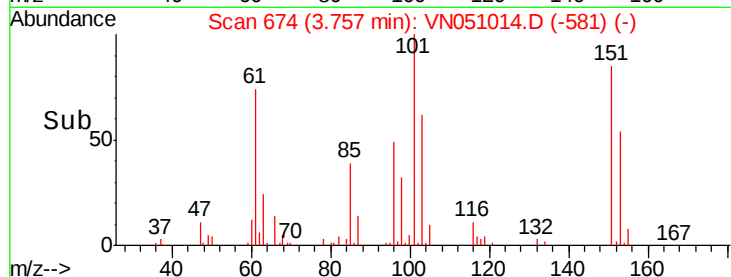
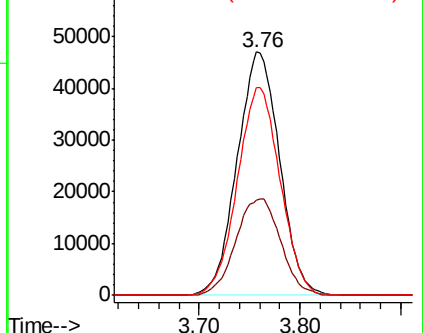
151 86.1 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.68 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

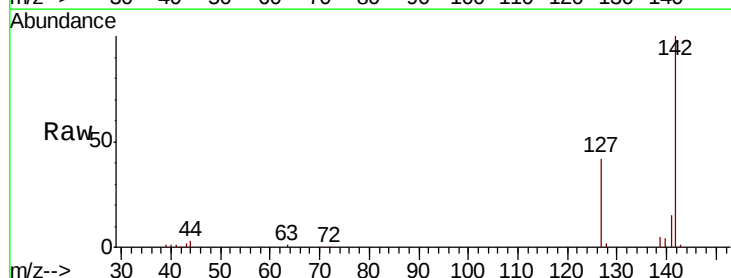
Tgt Ion:142 Resp: 93606

Ion Ratio Lower Upper

142 100

127 41.0 31.7 47.5

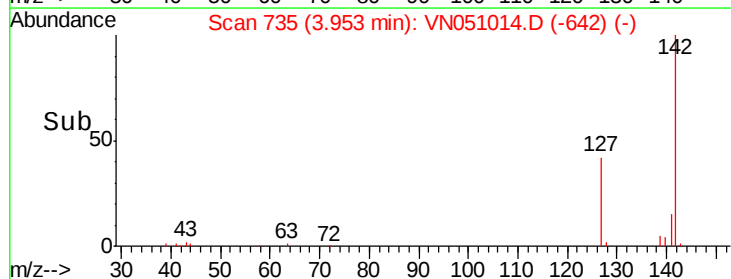
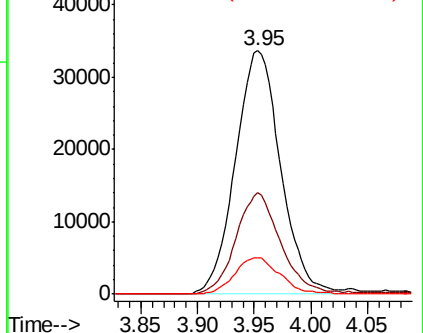
141 14.9 11.4 17.0

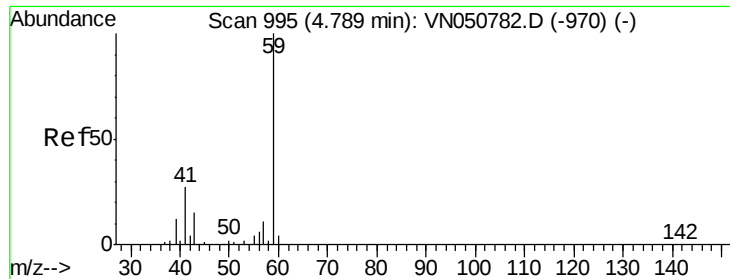


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

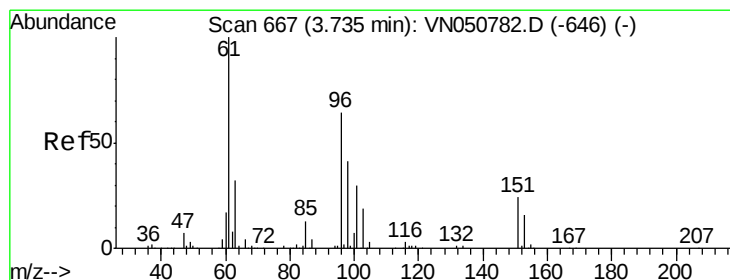
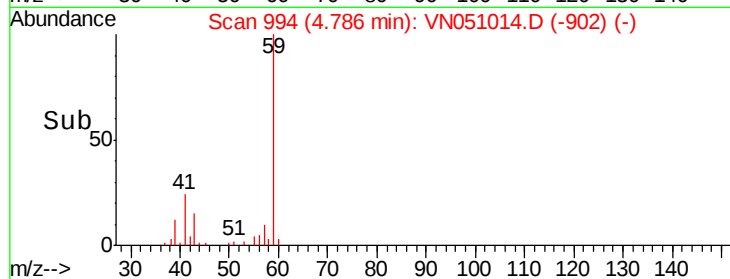
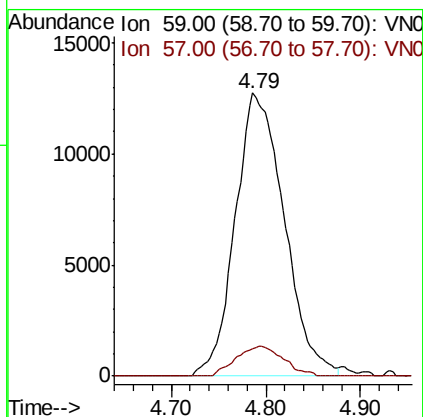
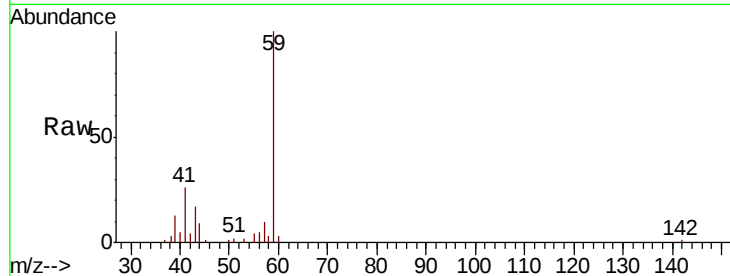




#11
Tert butyl alcohol
Concen: 99.09 ug/l
RT: 4.79 min Scan# 994
Delta R.T. -0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

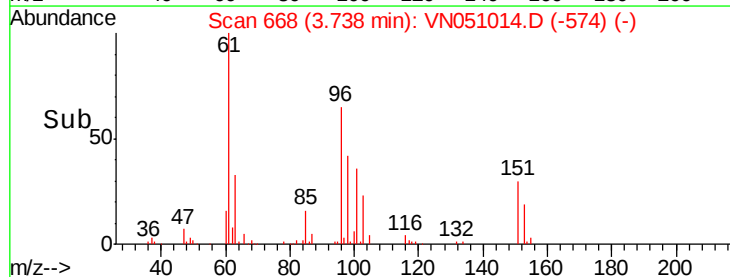
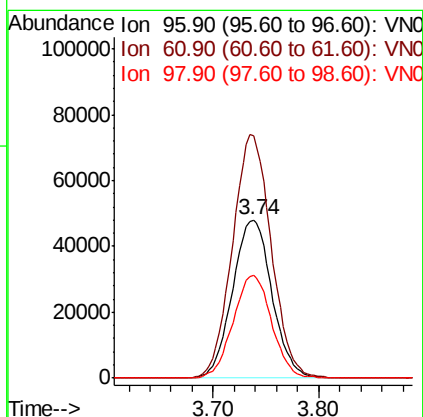
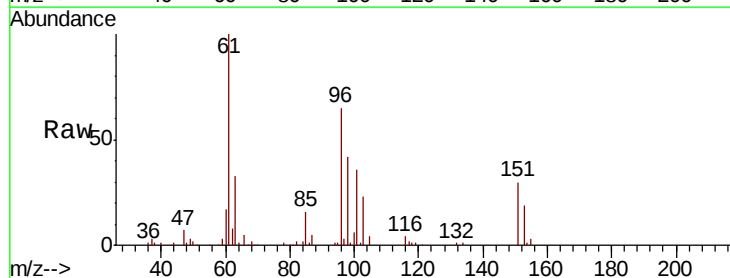
Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD01

Tot Ion: 59 Resp: 45840
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#12
1,1-Dichloroethene
Concen: 18.40 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion: 96 Resp: 124729
Ion Ratio Lower Upper
96 100
61 153.3 124.9 187.3
98 64.8 51.1 76.7





#13

Acrolein

Concen: 114.29 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

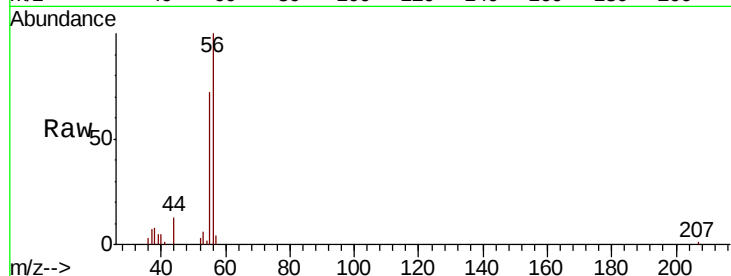
VN0904WBSD01

Tot Ion: 56 Resp: 28044

Ion Ratio Lower Upper

56 100

55 73.0 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

12000

10000

8000

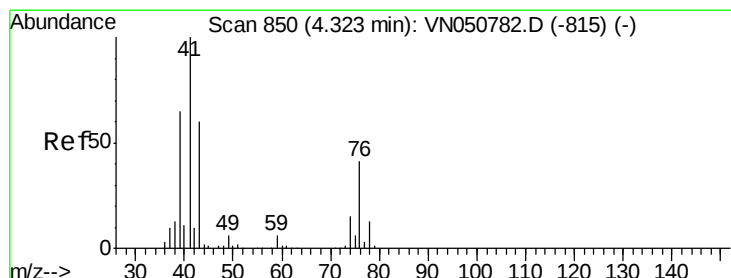
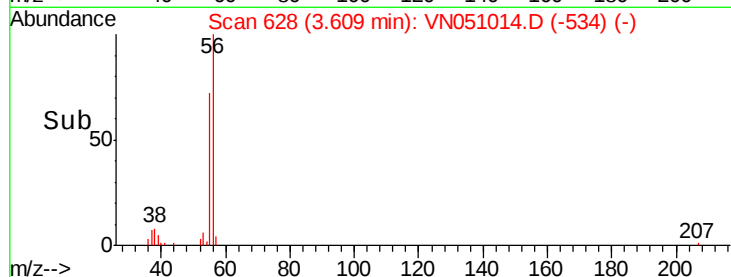
6000

4000

2000

0

Time--> 3.50 3.60 3.70



#14

Allyl chloride

Concen: 18.04 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

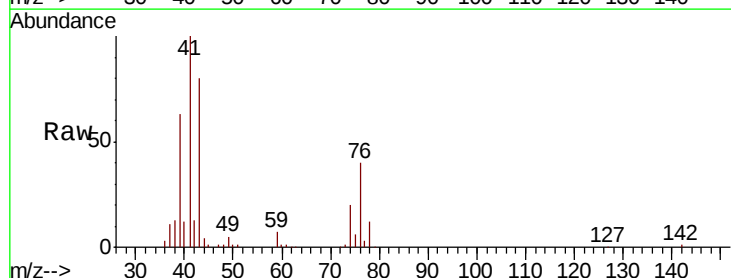
Tgt Ion: 41 Resp: 190515

Ion Ratio Lower Upper

41 100

39 60.9 50.2 75.2

76 37.9 29.8 44.8



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

4.32

80000

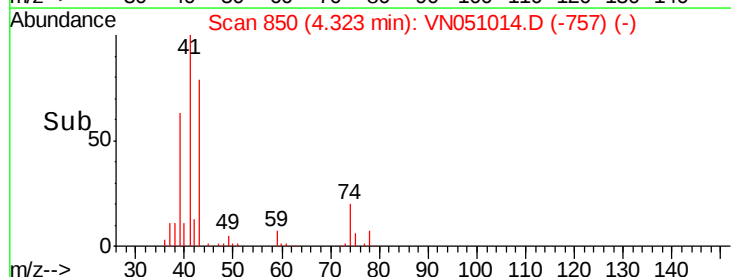
60000

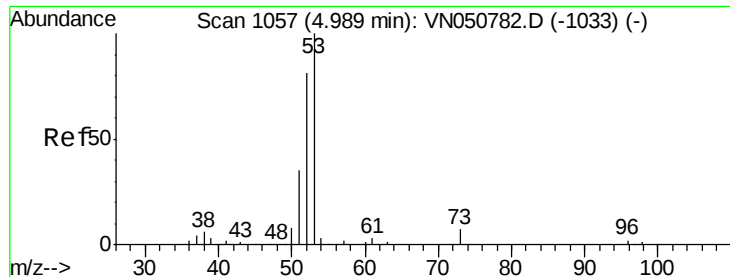
40000

20000

0

Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 96.97 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0904WBSD01

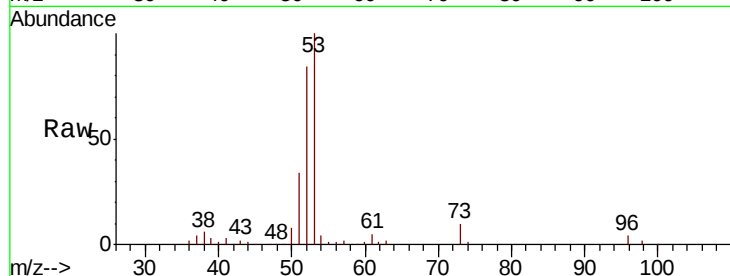
Tot Ion: 53 Resp: 227981

Ion Ratio Lower Upper

53 100

52 83.6 65.9 98.9

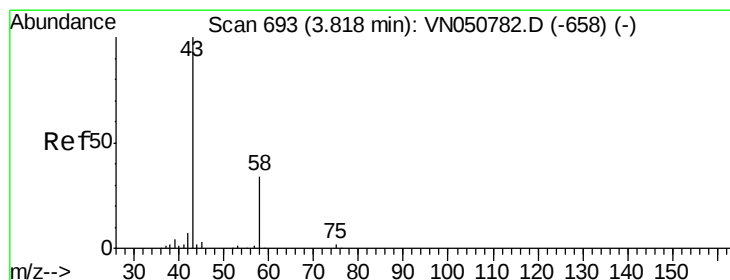
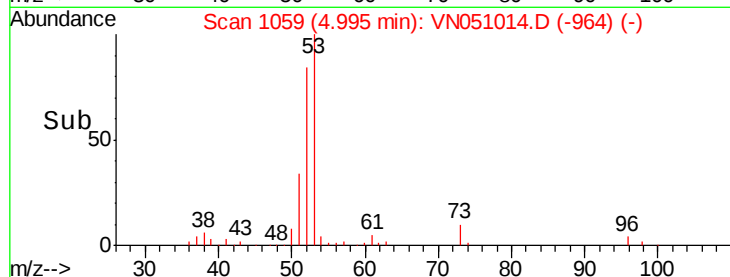
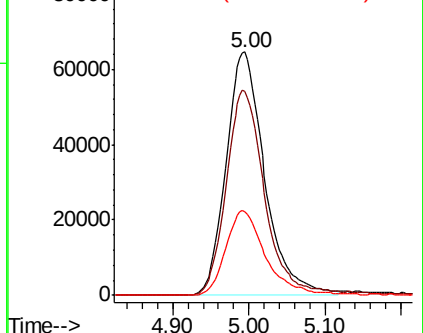
51 35.5 28.6 43.0



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: 85.95 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN051014.D

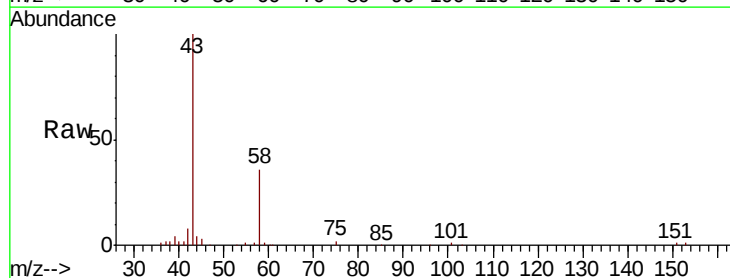
Acq: 4 Sep 2018 13:02

Tgt Ion: 43 Resp: 155841

Ion Ratio Lower Upper

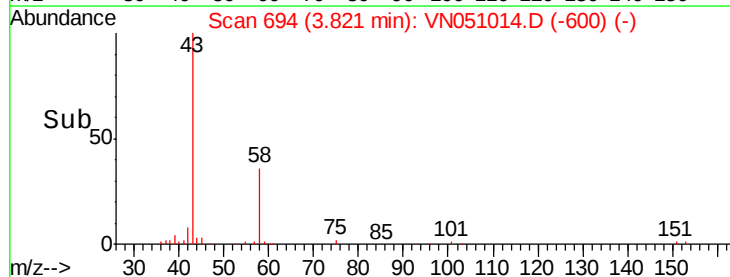
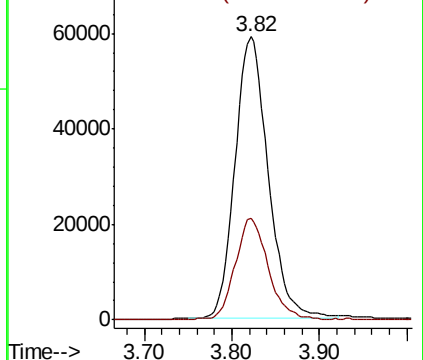
43 100

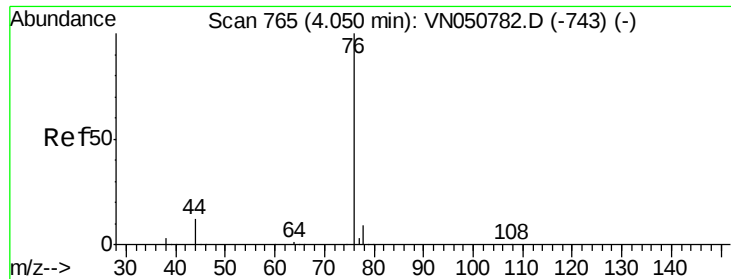
58 35.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

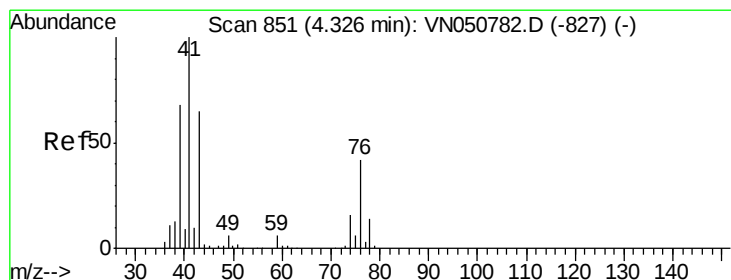
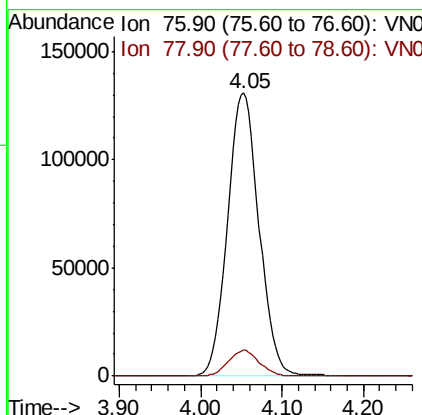
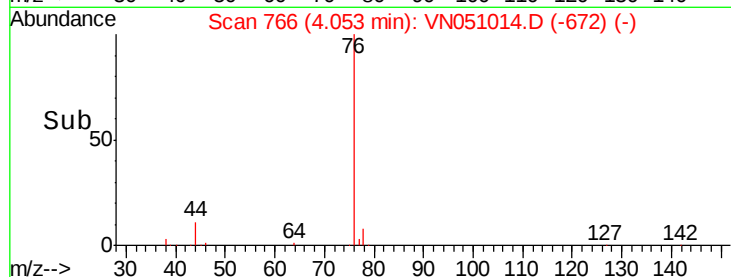
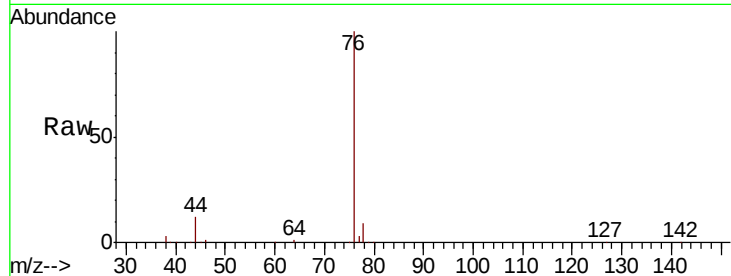




#17
Carbon Disulfide
Concen: 15.55 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

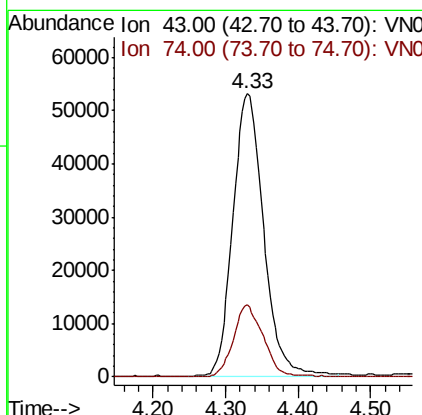
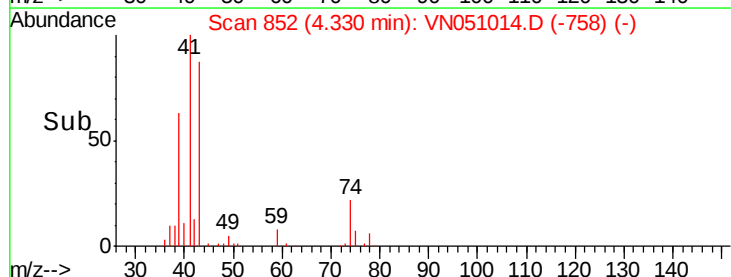
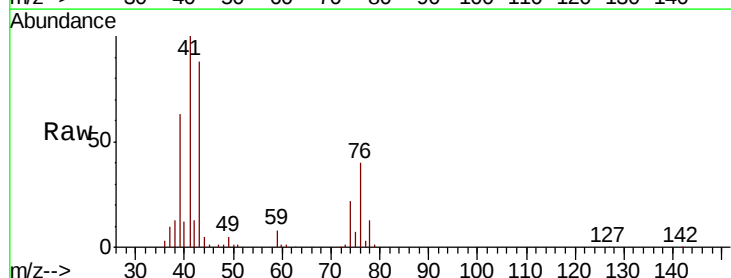
Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD01

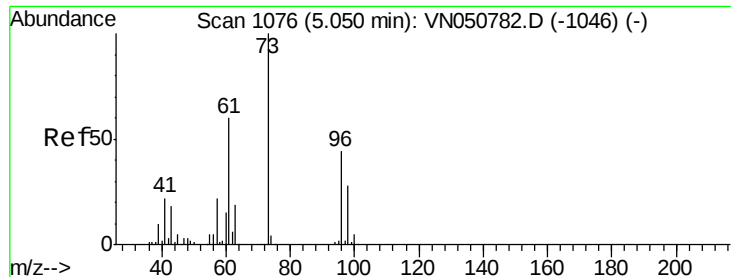
Tot Ion: 76 Resp: 353288
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 23.10 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion: 43 Resp: 158464
Ion Ratio Lower Upper
43 100
74 24.5 19.8 29.8



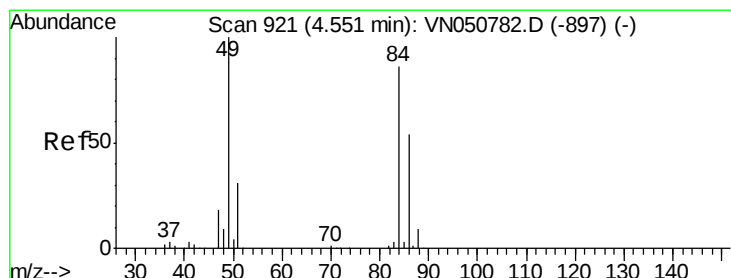
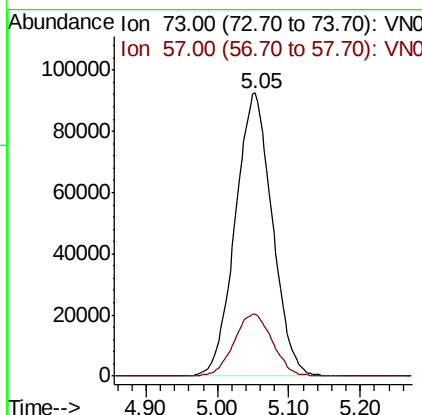
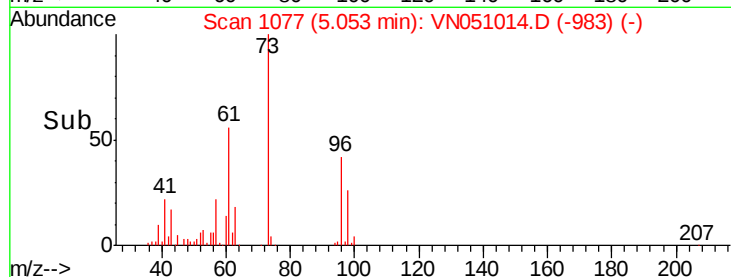
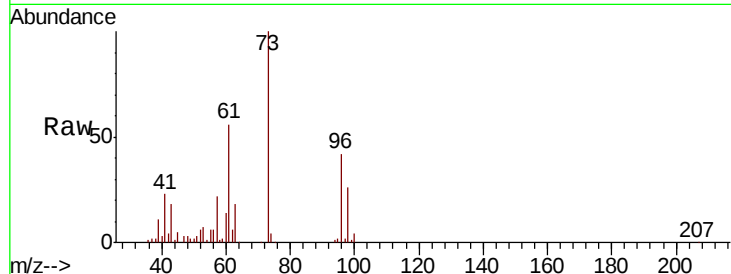


#19

Methyl tert-butyl Ether
 Concen: 19.55 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBSD01

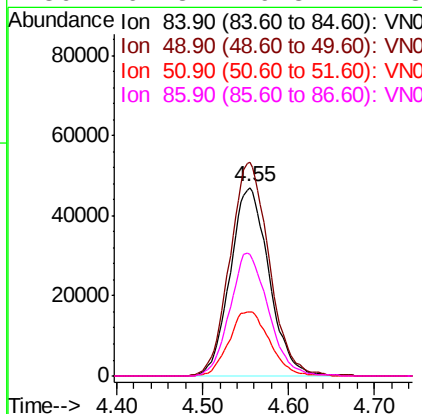
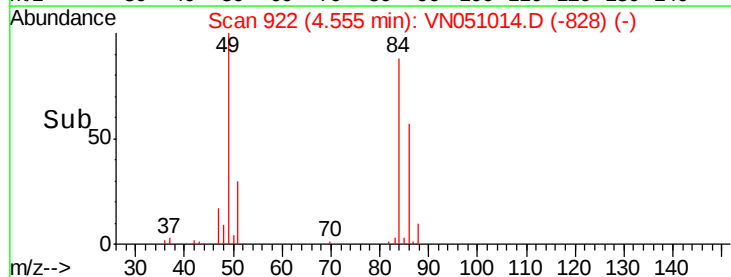
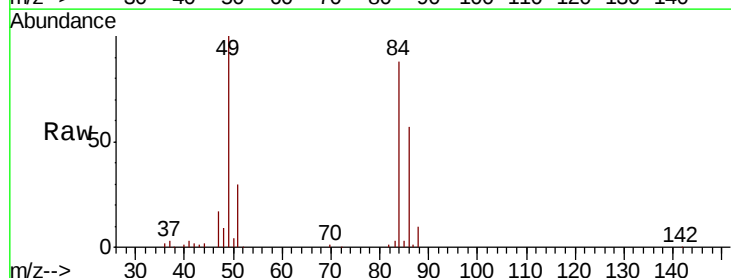
Tot Ion: 73 Resp: 333355
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.8 26.8

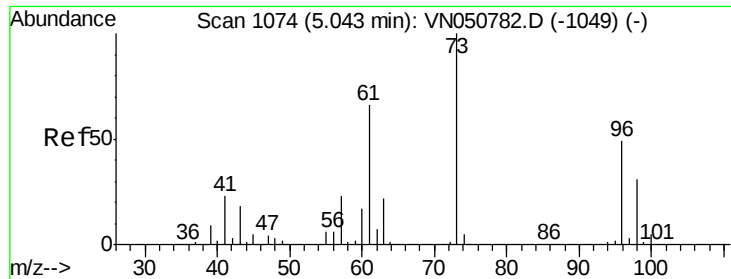


#20

Methylene Chloride
 Concen: 18.04 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion: 84 Resp: 147727
 Ion Ratio Lower Upper
 84 100
 49 113.4 93.2 139.8
 51 34.0 29.0 43.6
 86 64.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 17.75 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD01

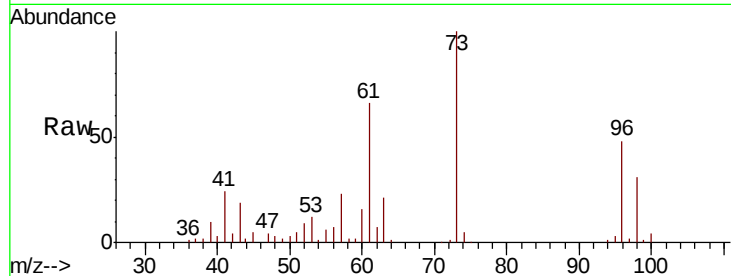
Tot Ion: 96 Resp: 130158

Ion Ratio Lower Upper

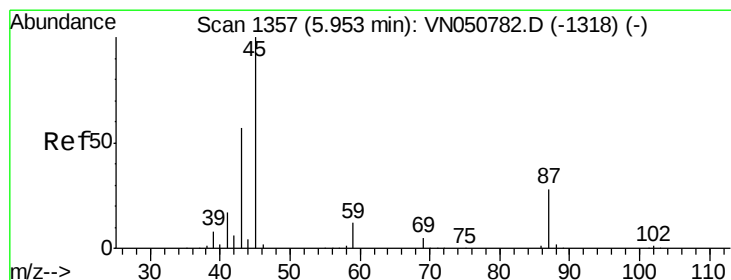
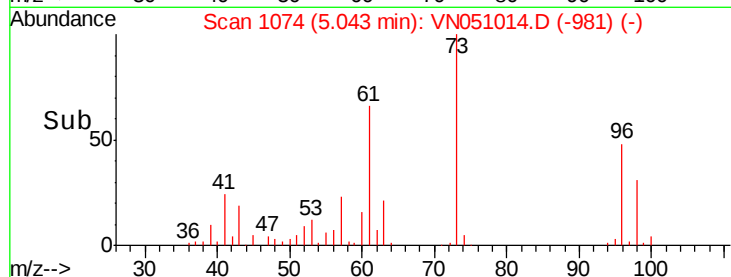
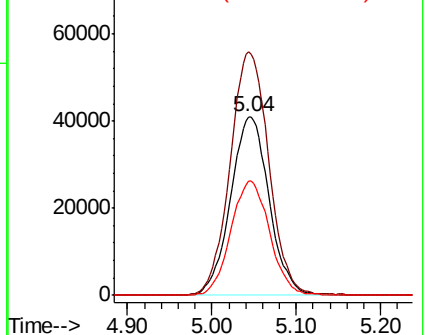
96 100

61 136.4 107.4 161.0

98 64.0 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 19.98 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Tgt Ion: 45 Resp: 420452

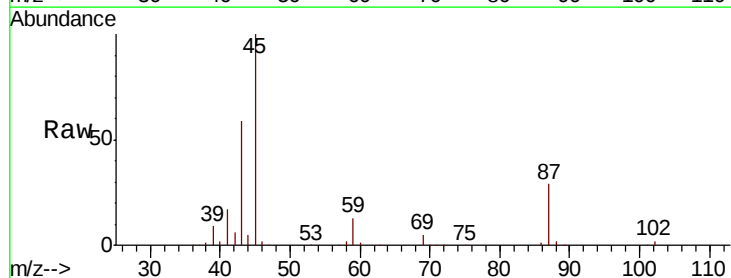
Ion Ratio Lower Upper

45 100

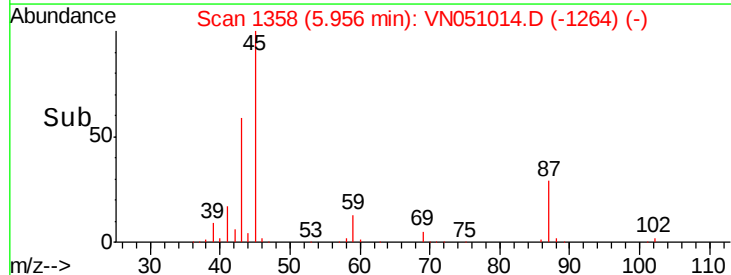
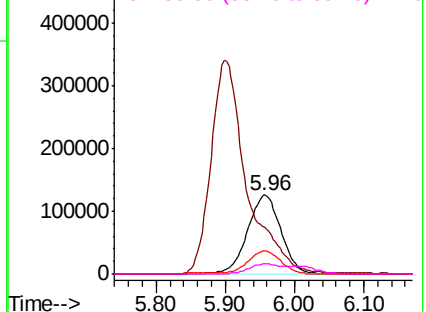
43 57.6 45.9 68.9

87 29.0 22.7 34.1

59 12.4 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

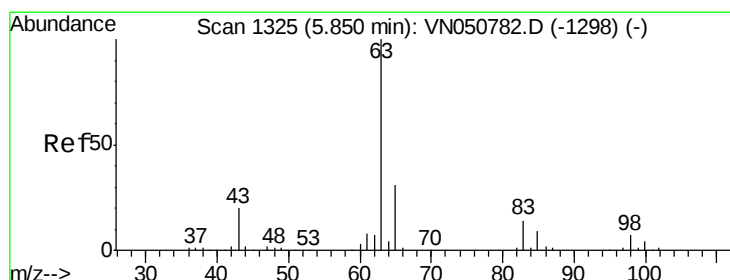
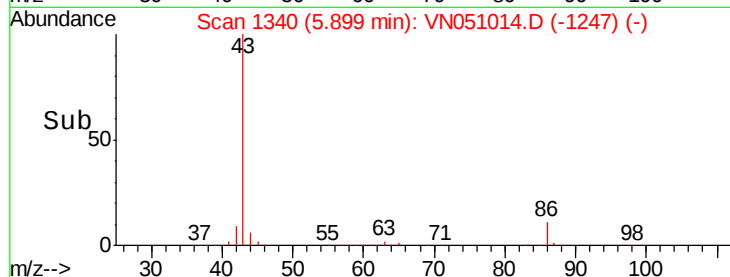
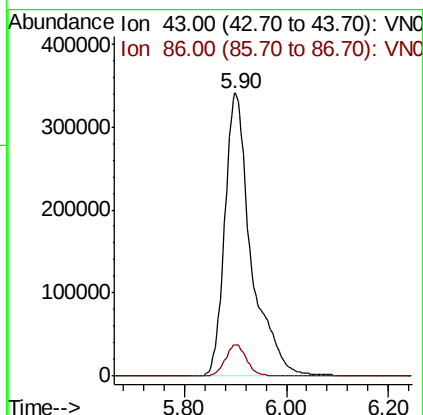
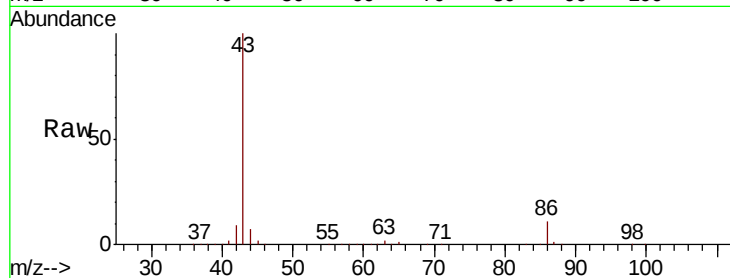




#23
 Vinyl Acetate
 Concen: 90.29 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

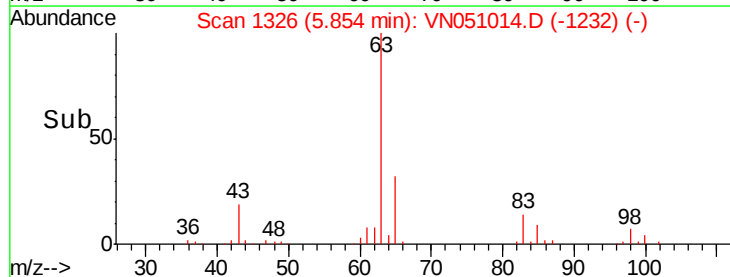
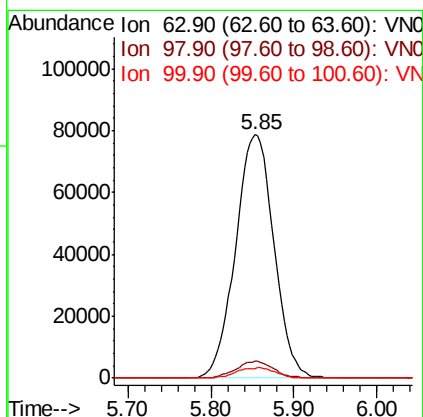
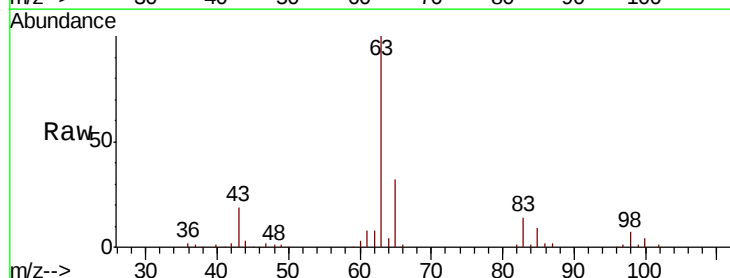
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD01

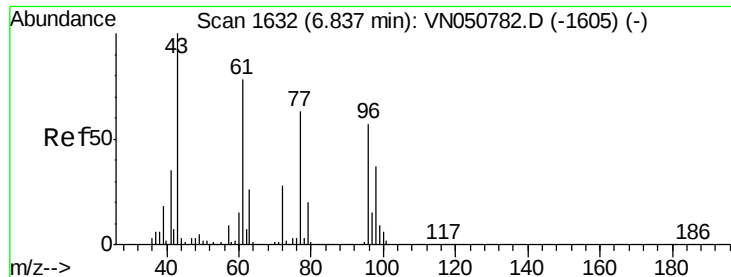
Tot Ion: 43 Resp: 1223808
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 18.68 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion: 63 Resp: 252398
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.1 2.1 6.5

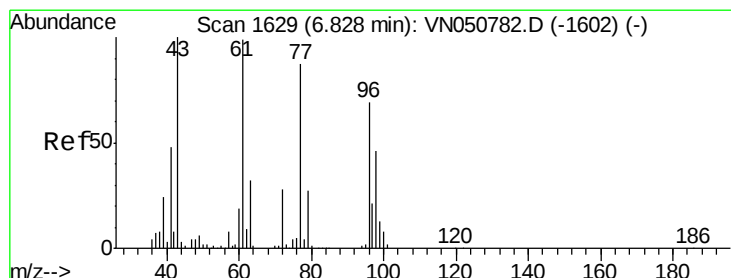
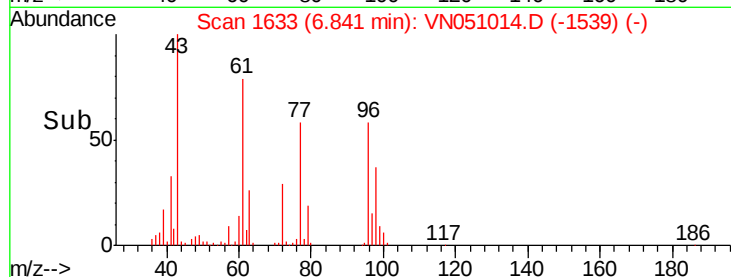
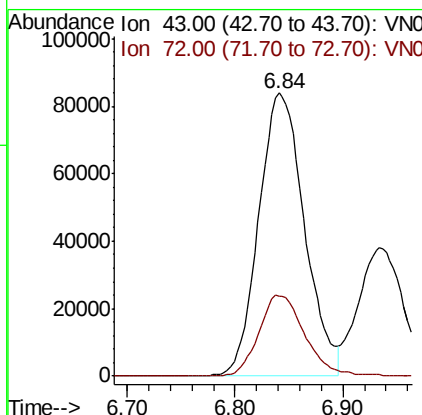
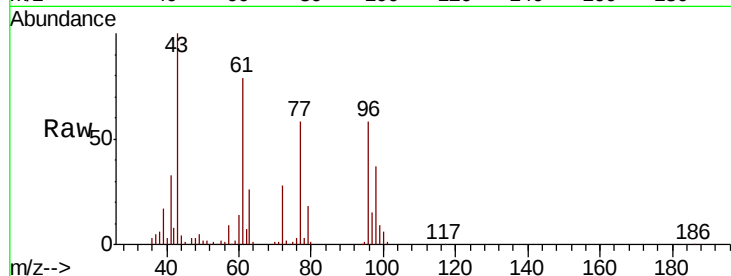




#25
 2-Butanone
 Concen: 84.29 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

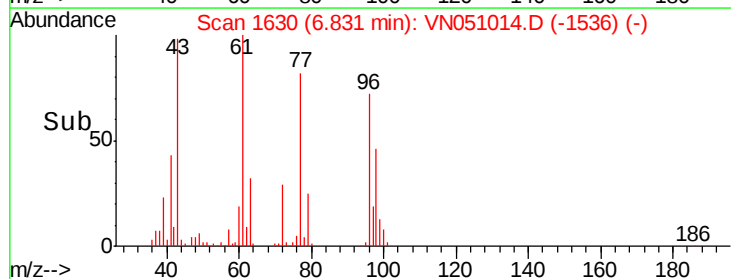
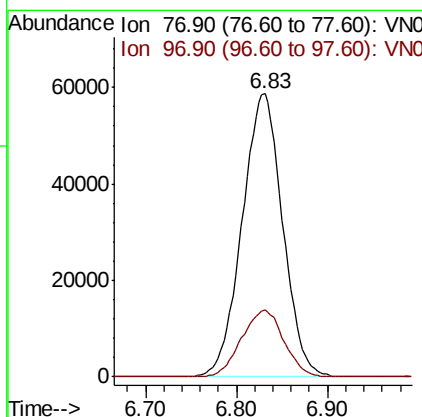
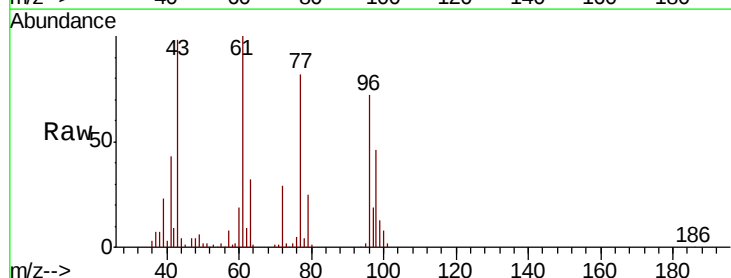
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD01

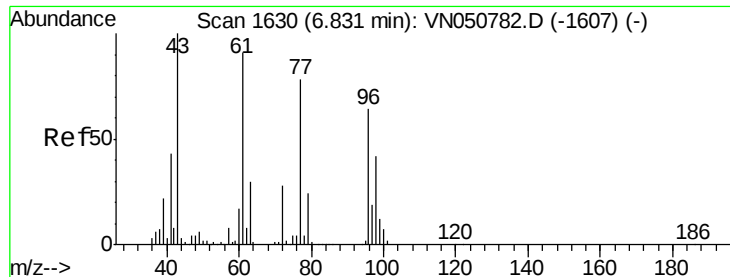
Tot Ion: 43 Resp: 246781
 Ion Ratio Lower Upper
 43 100
 72 28.4 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 16.70 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion: 77 Resp: 181374
 Ion Ratio Lower Upper
 77 100
 97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.09 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

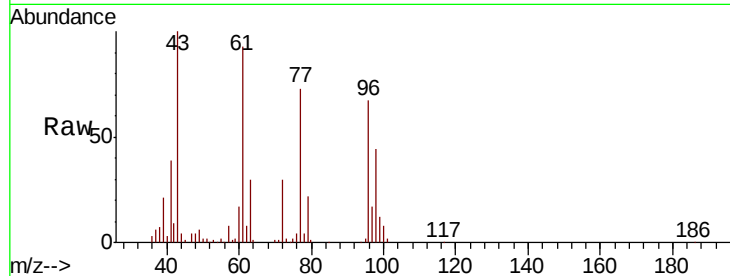
Tot Ion: 96 Resp: 150906

Ion Ratio Lower Upper

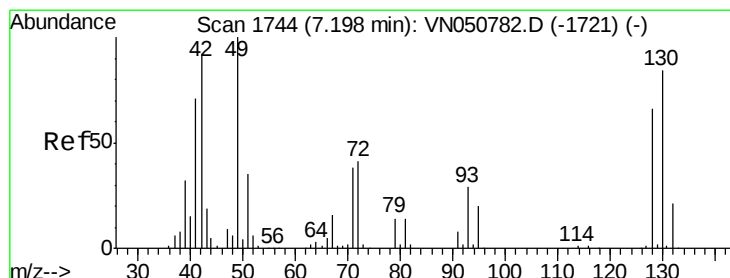
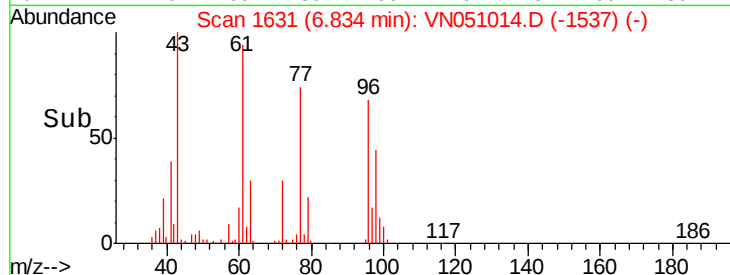
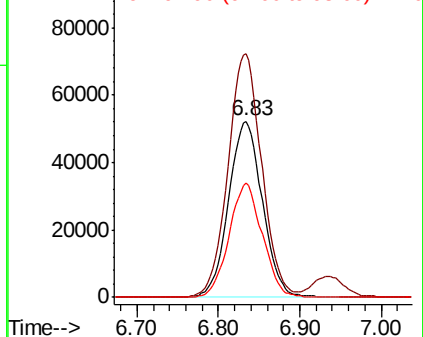
96 100

61 137.8 0.0 283.4

98 63.8 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.21 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

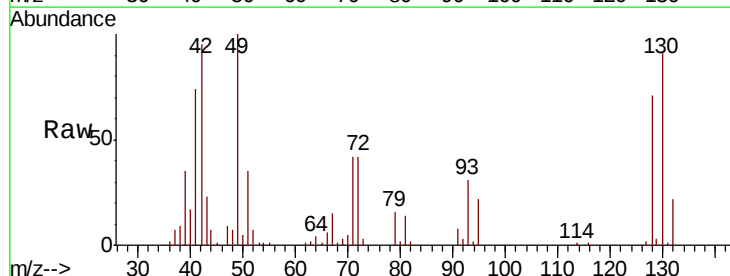
Tgt Ion: 49 Resp: 110294

Ion Ratio Lower Upper

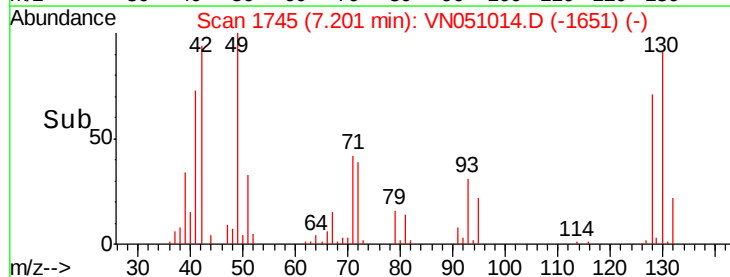
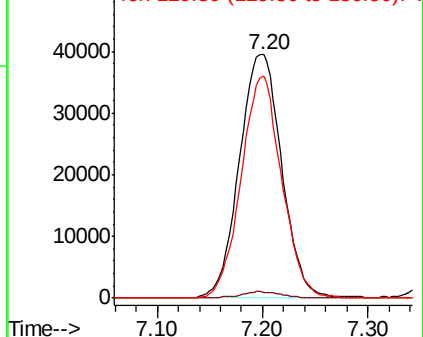
49 100

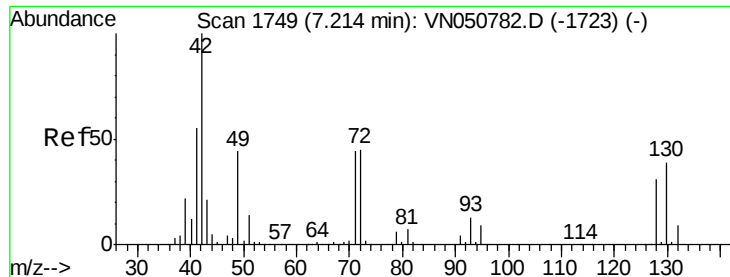
129 2.4 0.0 4.2

130 87.2 67.1 100.7



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: 100.81 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

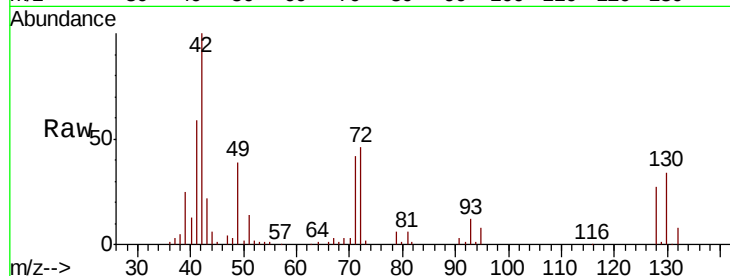
Tot Ion: 42 Resp: 169227

Ion Ratio Lower Upper

42 100

72 45.0 35.5 53.3

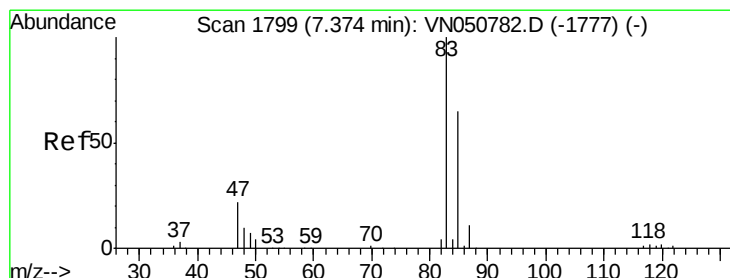
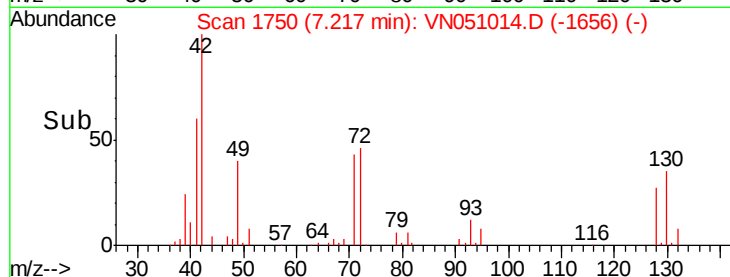
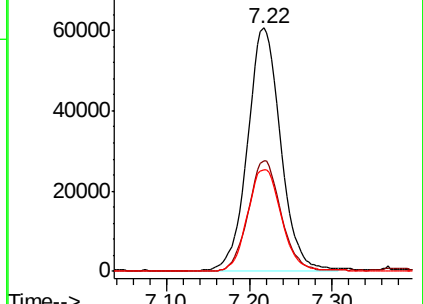
71 42.6 33.7 50.5



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: 19.05 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN051014.D

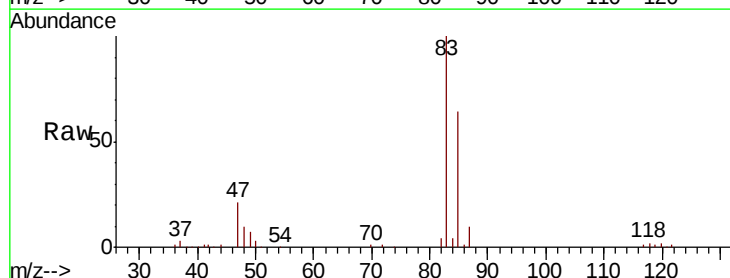
Acq: 4 Sep 2018 13:02

Tgt Ion: 83 Resp: 254945

Ion Ratio Lower Upper

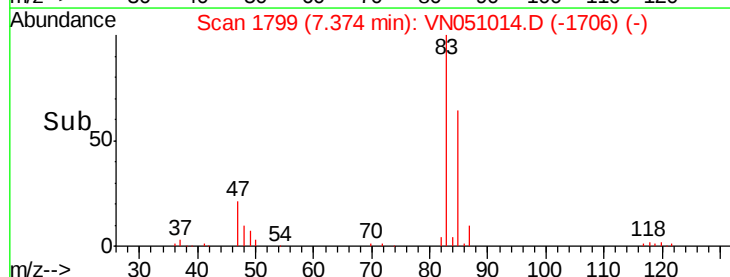
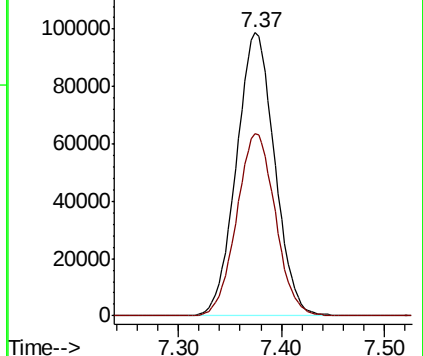
83 100

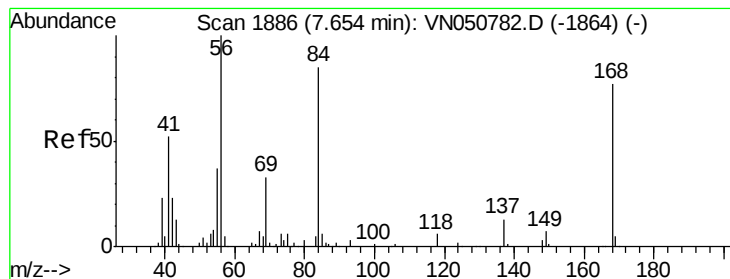
85 64.4 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.46 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0904WBSD01

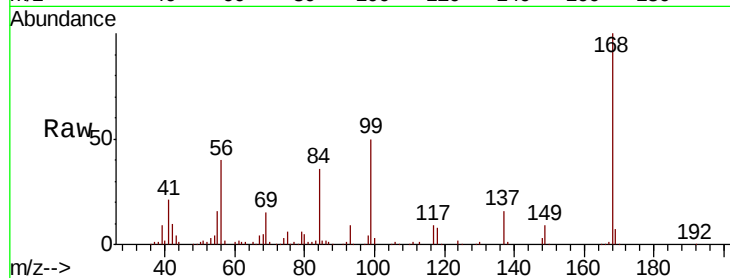
Tot Ion: 56 Resp: 210703

Ion Ratio Lower Upper

56 100

69 37.9 26.2 39.4

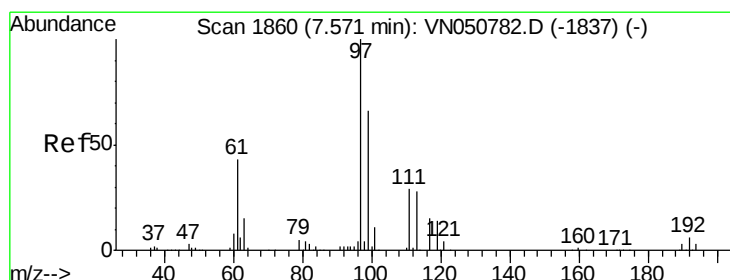
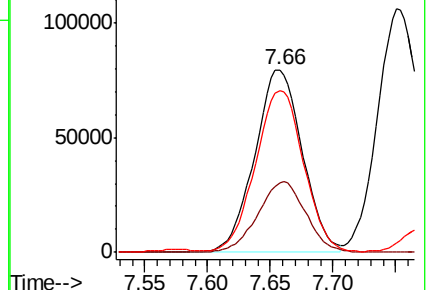
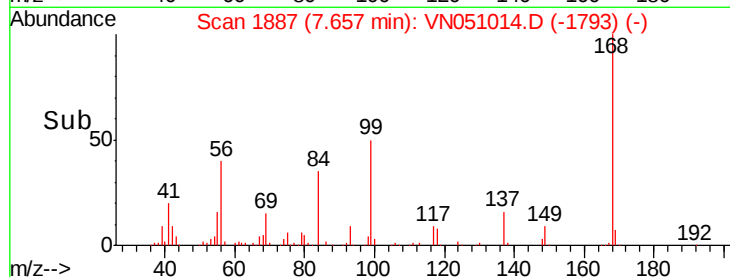
84 87.4 68.3 102.5



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: 18.72 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

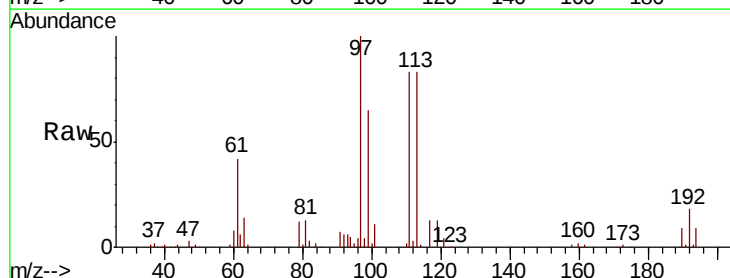
Tgt Ion: 97 Resp: 215140

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

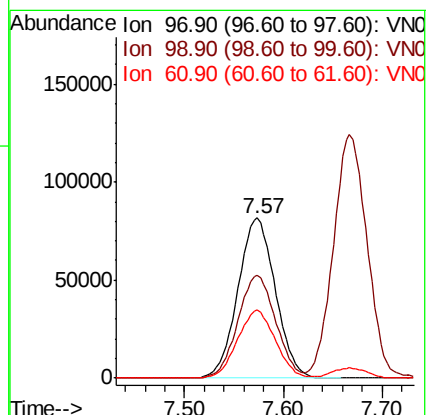
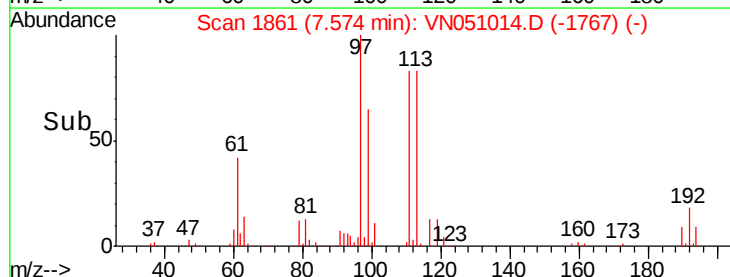
61 42.9 34.9 52.3



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

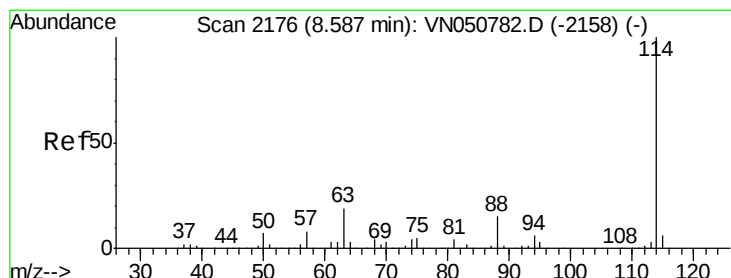
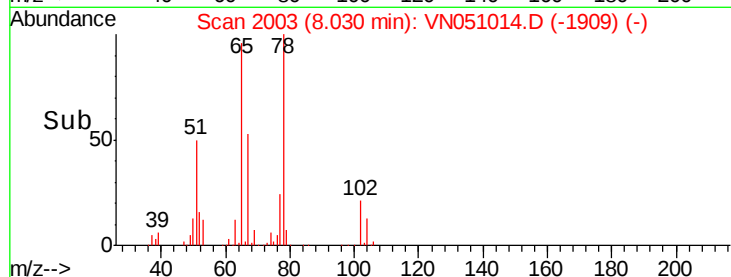
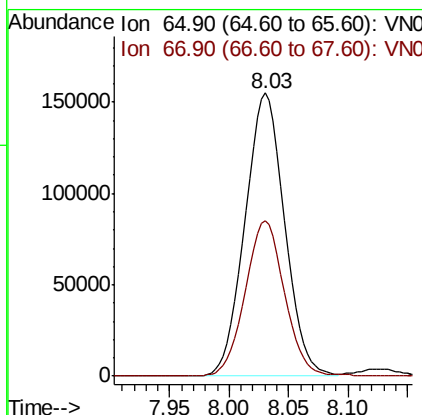
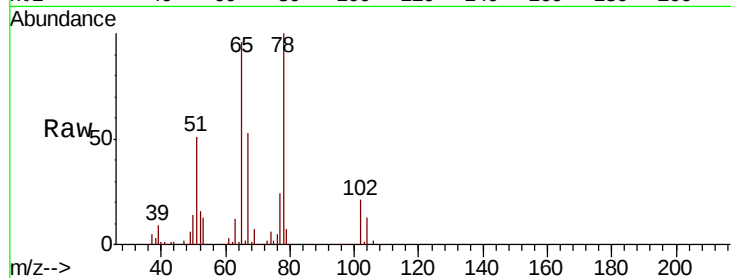




#33
 1,2-Dichloroethane-d4
 Concen: 49.30 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

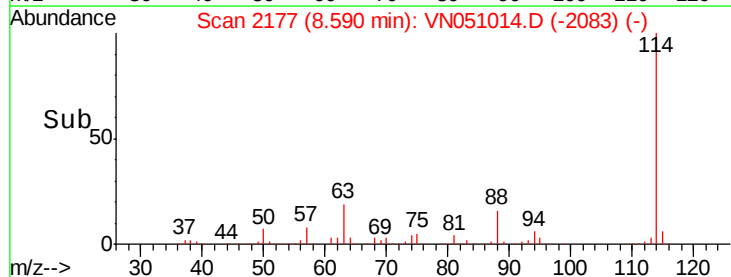
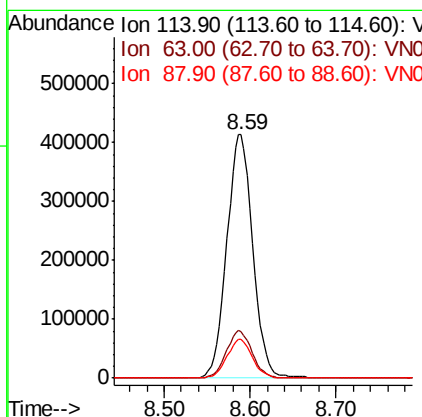
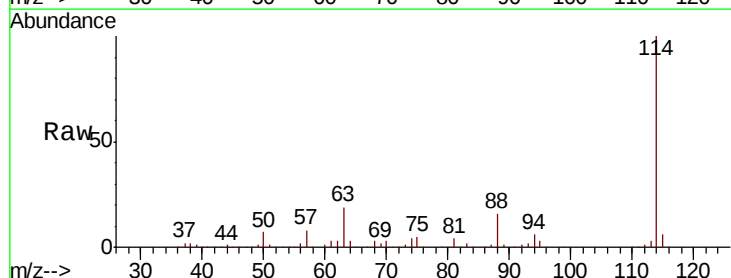
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD01

Tot Ion: 65 Resp: 358199
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion: 114 Resp: 865599
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.9 0.0 30.6

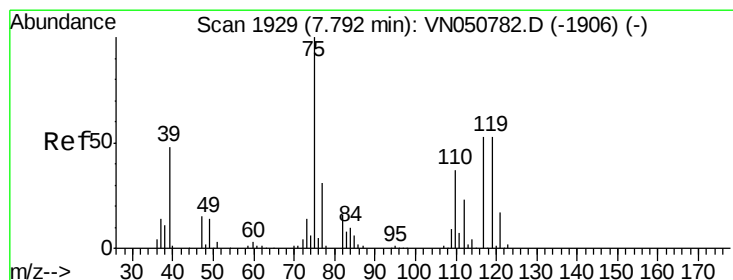
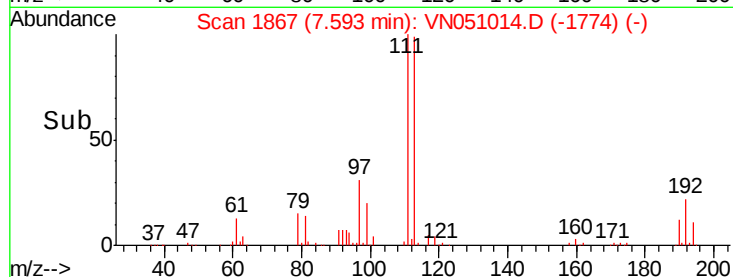
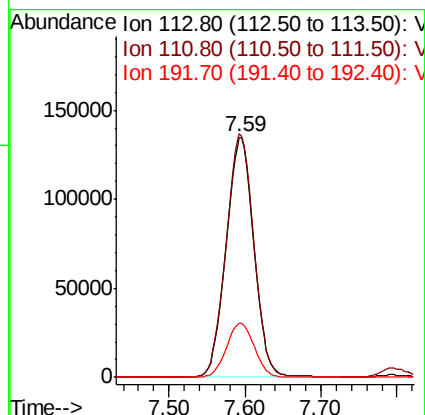
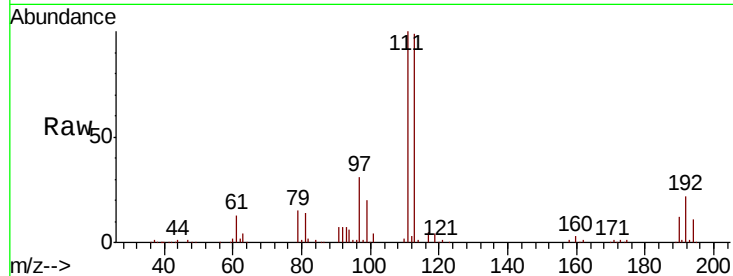




#35
 Dibromofluoromethane
 Concen: 49.84 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

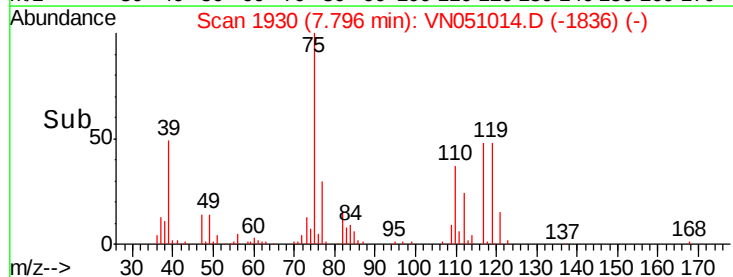
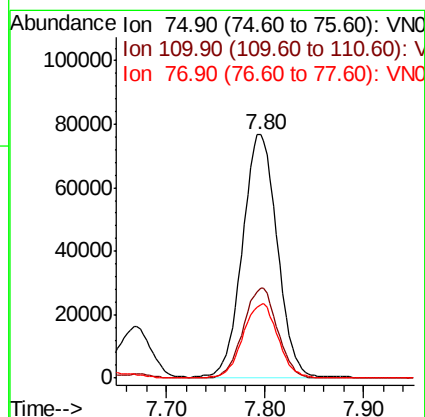
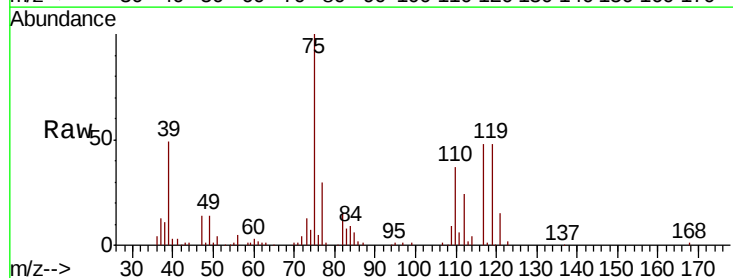
Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBSD01

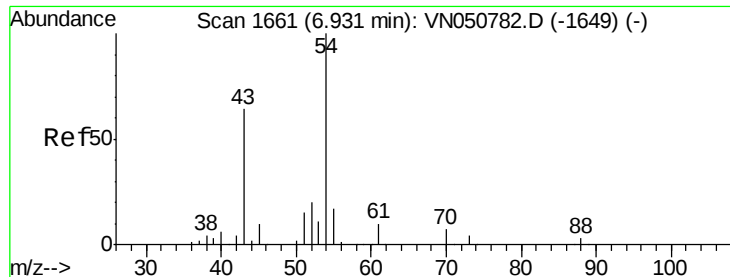
Tot Ion:113 Resp: 343197
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.6 123.8
 192 22.6 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 18.22 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion: 75 Resp: 186084
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.4
 77 31.0 24.8 37.2

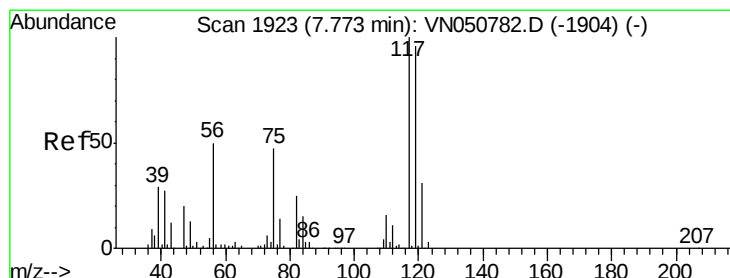
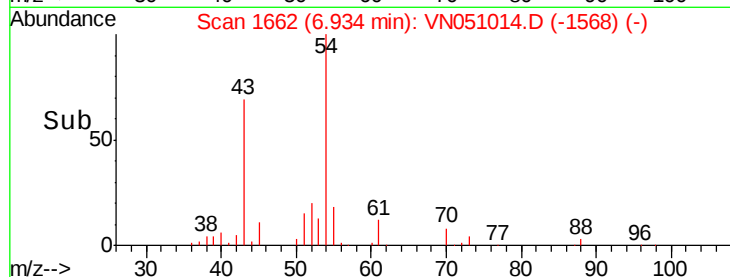
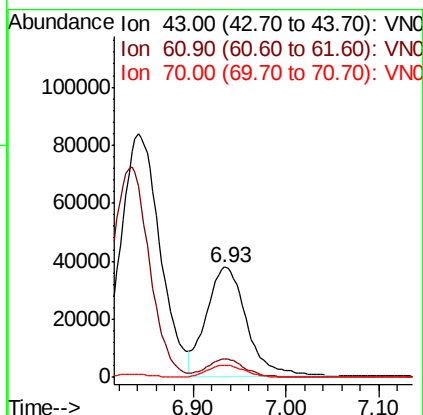
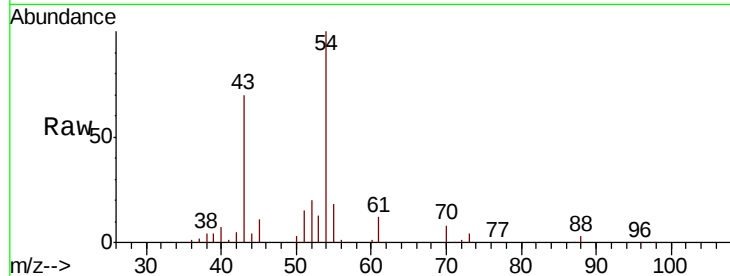




#37
Ethyl Acetate
Concen: 19.33 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

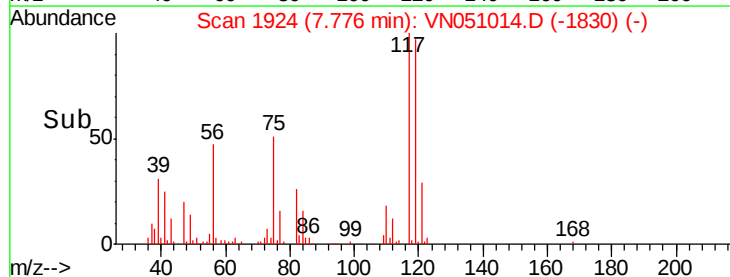
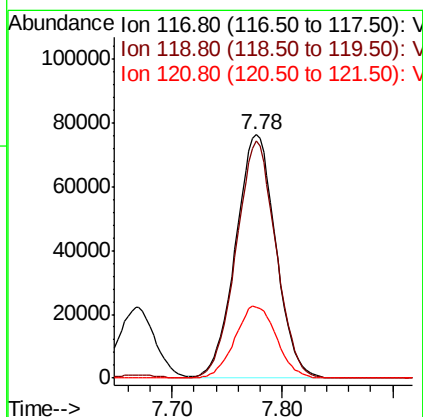
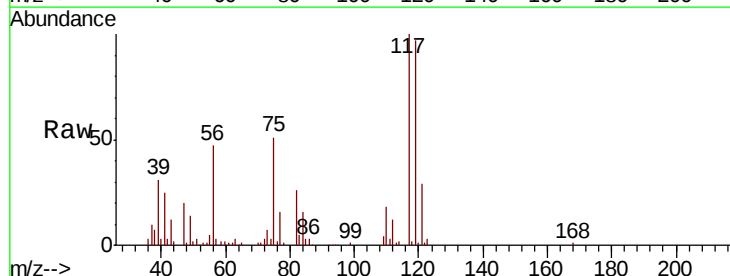
Instrument :
MSVOA_N
ClientSampled :
VN0904WBSD01

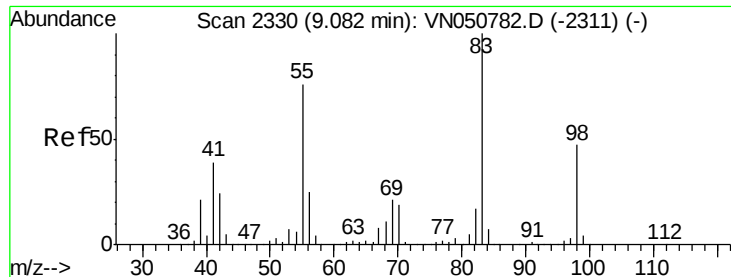
Tot Ion: 43 Resp: 113399
Ion Ratio Lower Upper
43 100
61 14.6 12.0 18.0
70 10.6 8.6 13.0



#38
Carbon Tetrachloride
Concen: 18.69 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion: 117 Resp: 192966
Ion Ratio Lower Upper
117 100
119 97.2 76.3 114.5
121 29.2 24.6 36.8

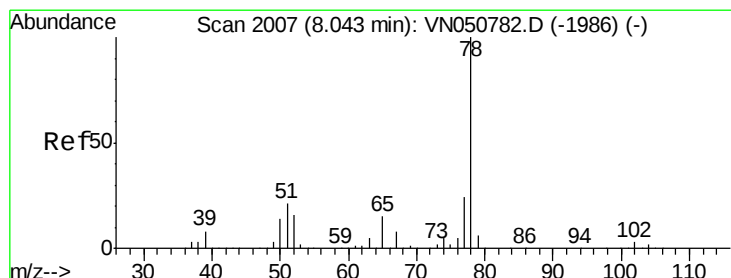
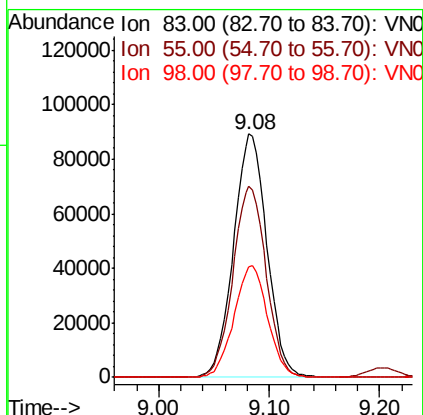
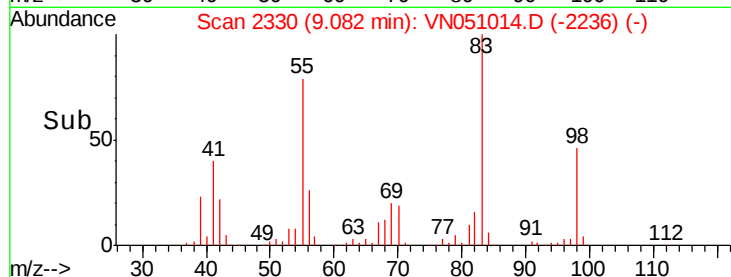
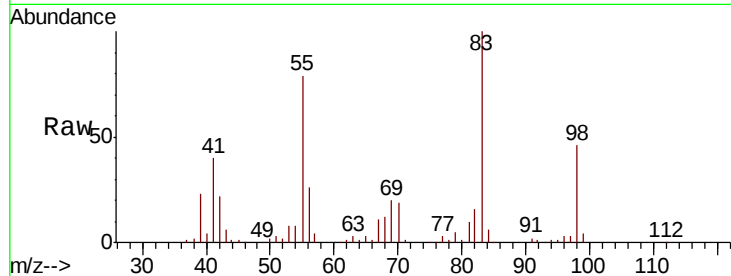




#39
Methvlcvclohexane
Concen: 16.91 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

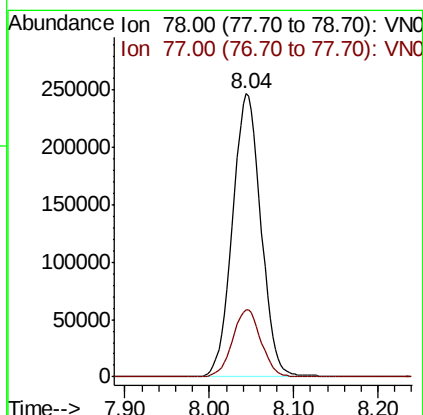
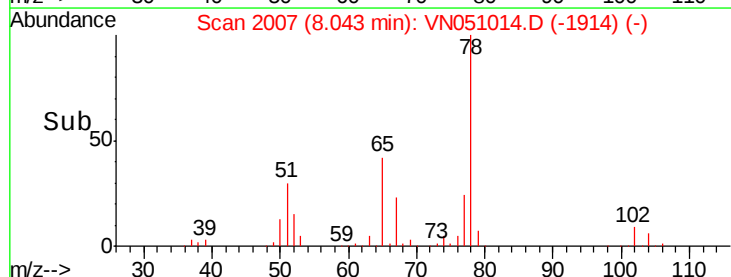
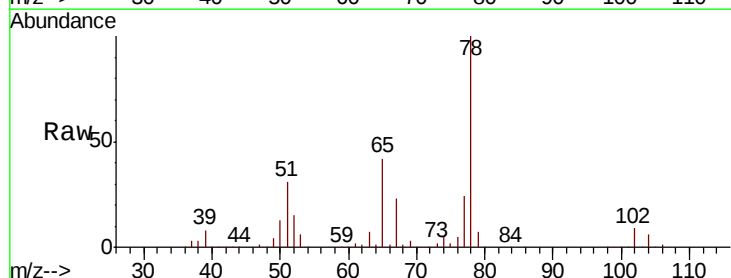
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

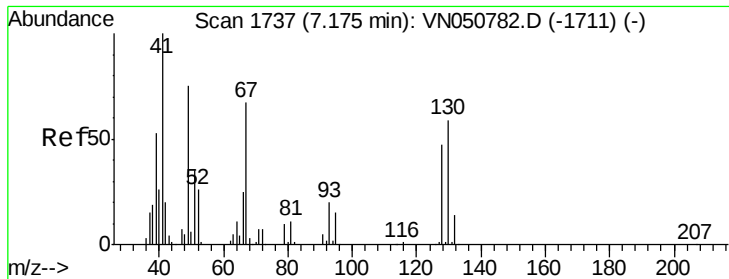
Tot Ion: 83 Resp: 186891
Ion Ratio Lower Upper
83 100
55 78.6 61.0 91.4
98 45.6 37.5 56.3



#40
Benzene
Concen: 18.88 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion: 78 Resp: 581389
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

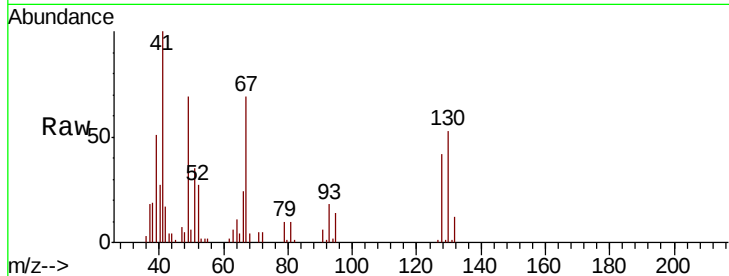




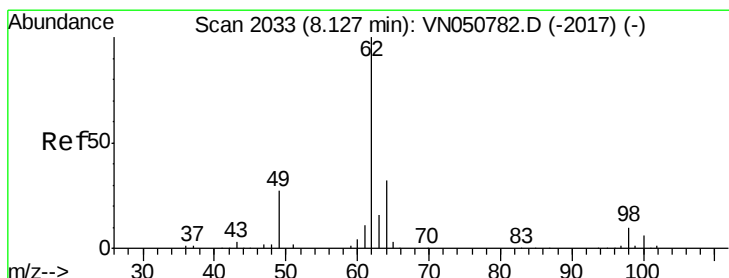
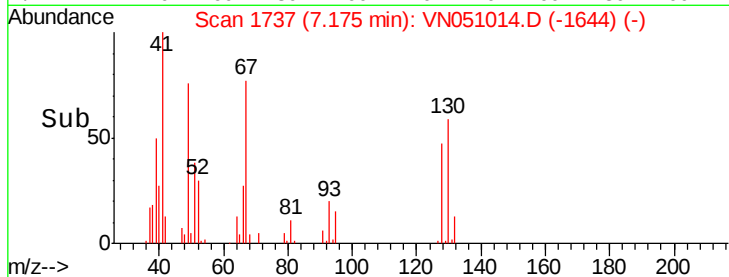
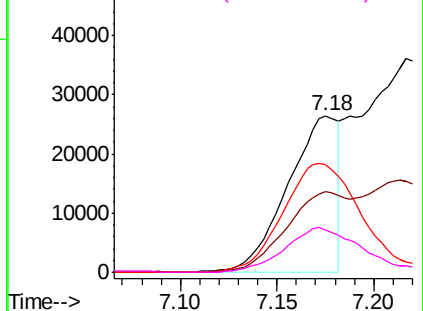
#41
Methacrylonitrile
Concen: 15.11 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

Tot Ion: 41 Resp: 47967
Ion Ratio Lower Upper
41 100
39 62.9 45.4 68.0
67 109.5 70.6 106.0#
52 44.9 27.1 40.7#

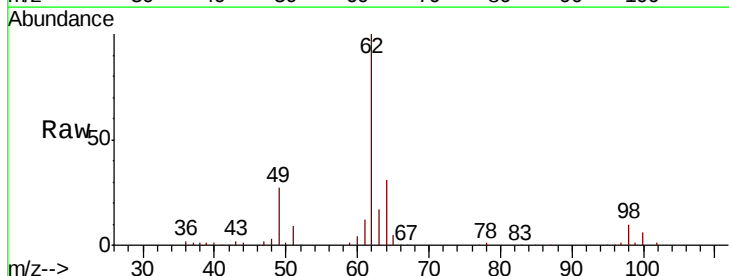


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

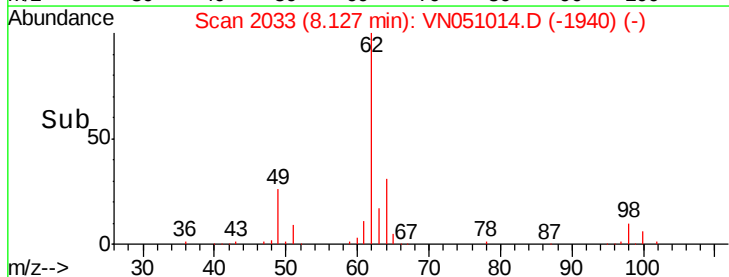
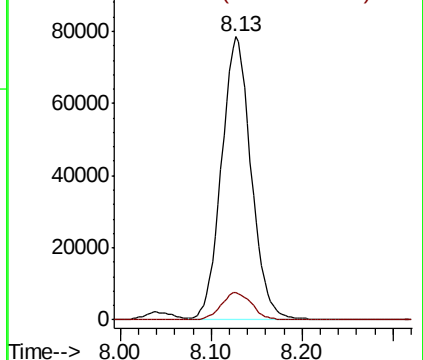


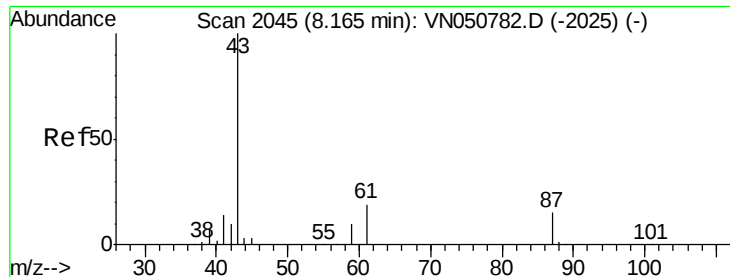
#42
1,2-Dichloroethane
Concen: 19.24 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion: 62 Resp: 177146
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.53 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

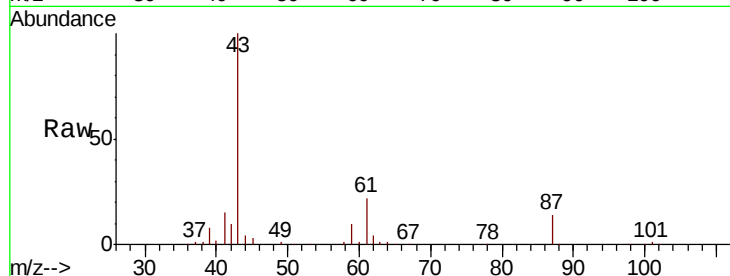
Tot Ion: 43 Resp: 197076

Ion Ratio Lower Upper

43 100

61 21.6 17.5 26.3

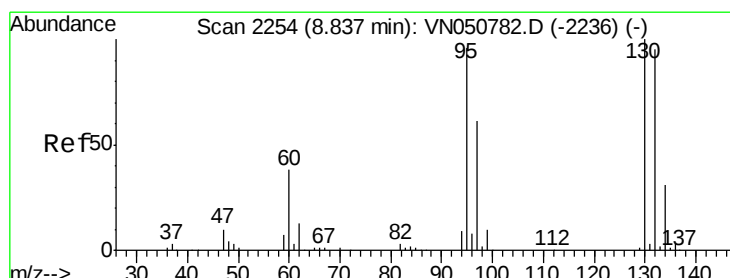
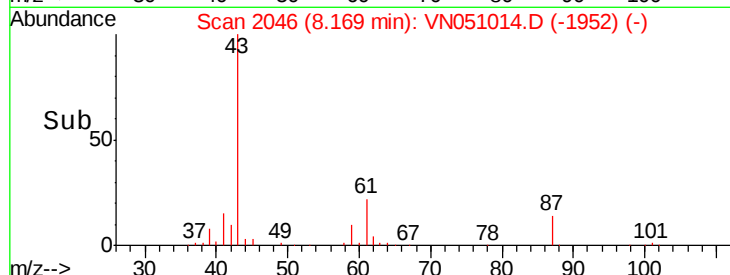
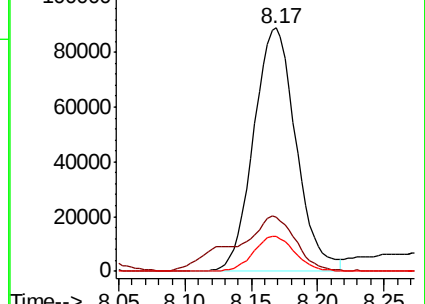
87 14.2 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.92 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN051014.D

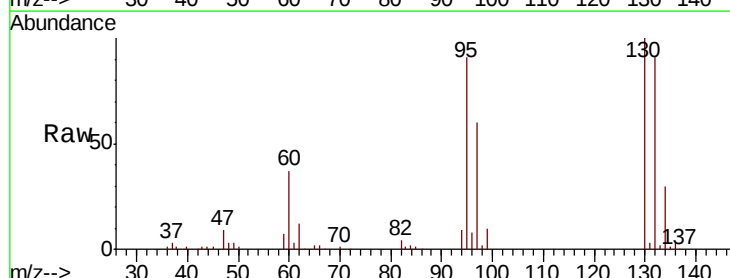
Acq: 4 Sep 2018 13:02

Tgt Ion:130 Resp: 153725

Ion Ratio Lower Upper

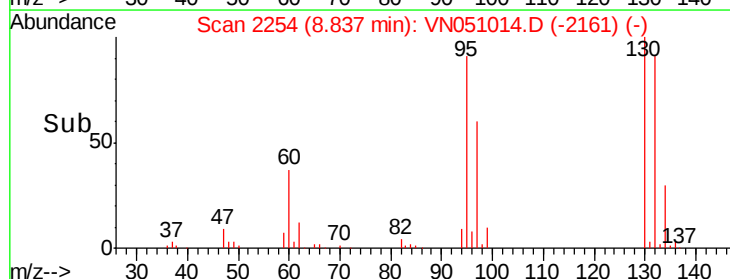
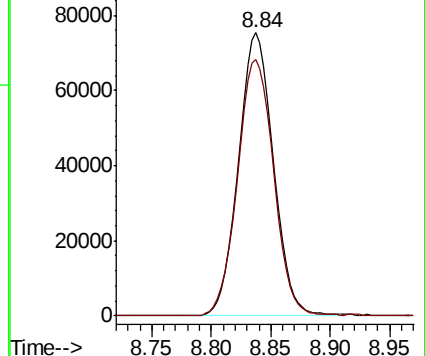
130 100

95 90.7 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

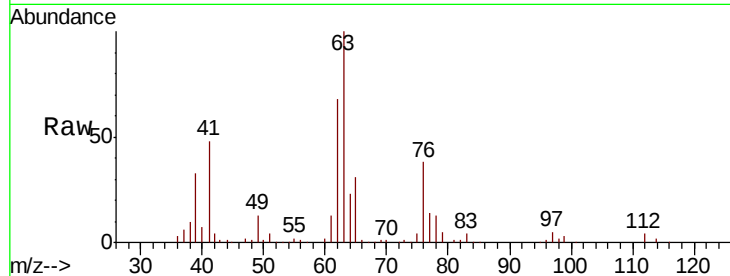




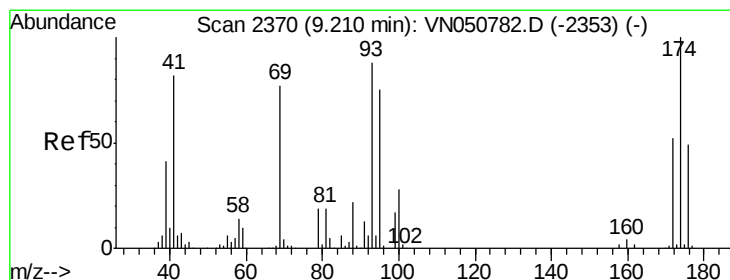
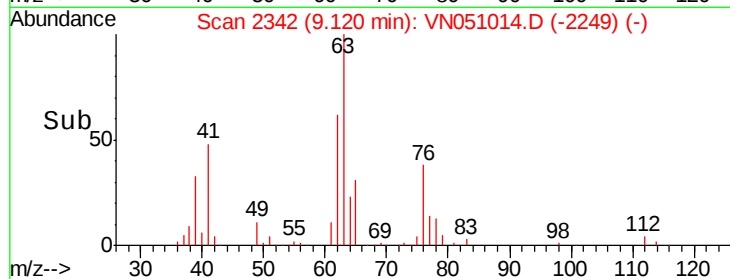
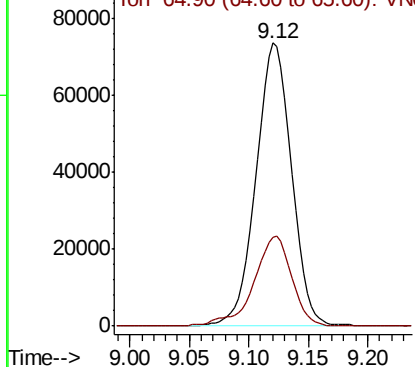
#45
 1,2-Dichloropropane
 Concen: 18.84 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD01

Tot Ion: 63 Resp: 152516
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.6

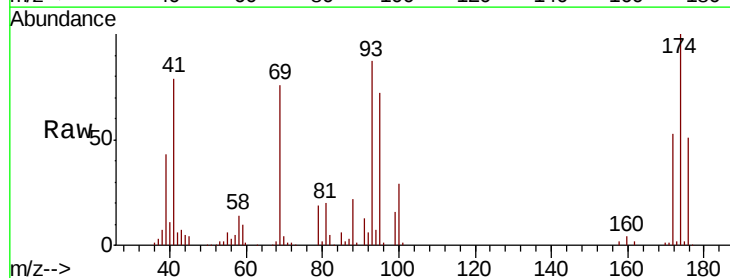


Abundance Ion 62.90 (62.60 to 63.60): VNO
 Ion 64.90 (64.60 to 65.60): VNO

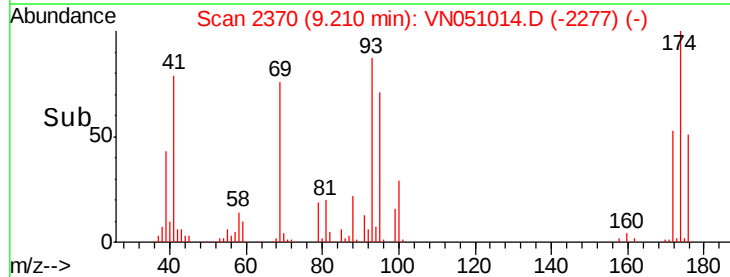
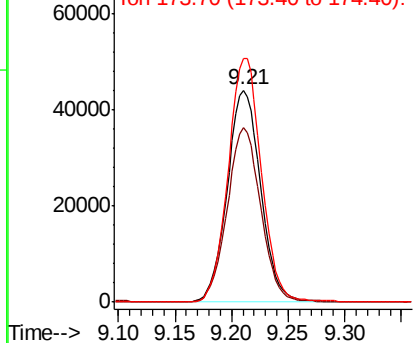


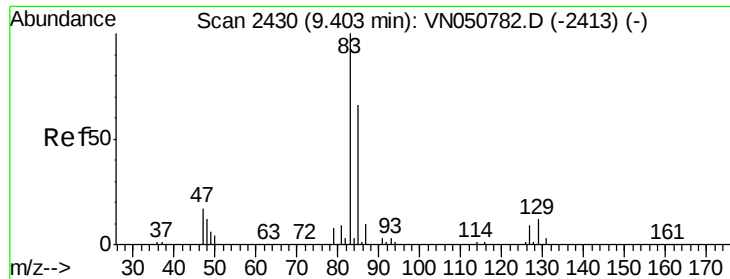
#46
 Dibromomethane
 Concen: 19.10 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion: 93 Resp: 90867
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.7 100.1
 174 114.6 89.8 134.6



Abundance Ion 92.80 (92.50 to 93.50): VNO
 Ion 94.80 (94.50 to 95.50): VNO
 Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.19 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

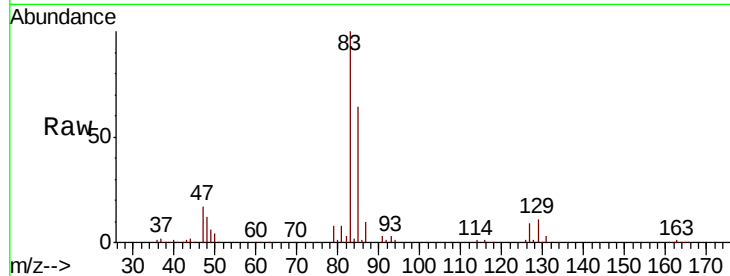
Tot Ion: 83 Resp: 191178

Ion Ratio Lower Upper

83 100

85 64.5 52.6 78.8

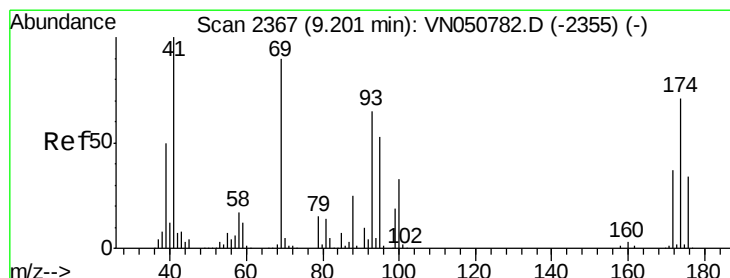
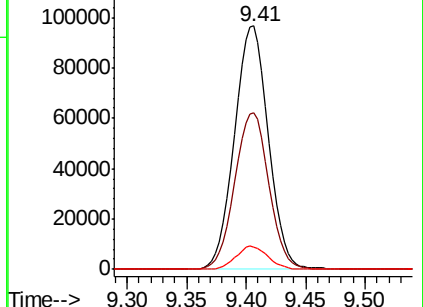
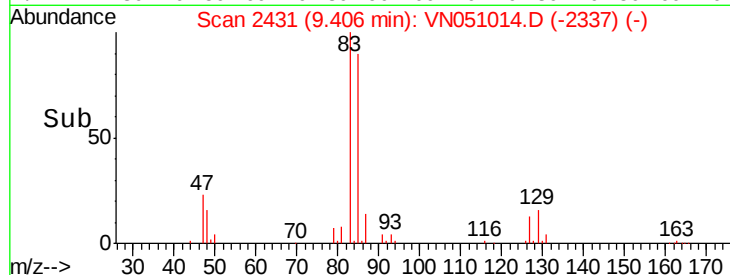
127 9.4 7.2 10.8



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): V



#48

Methyl methacrylate

Concen: 18.14 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

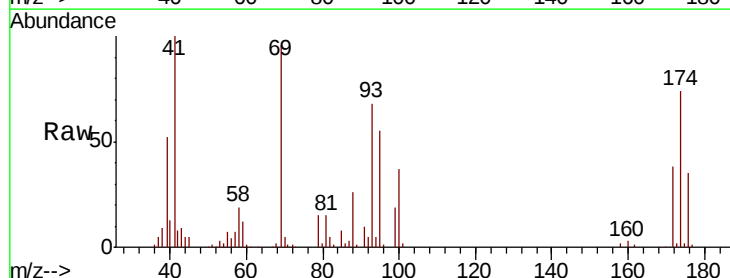
Tgt Ion: 41 Resp: 93289

Ion Ratio Lower Upper

41 100

69 99.4 74.7 112.1

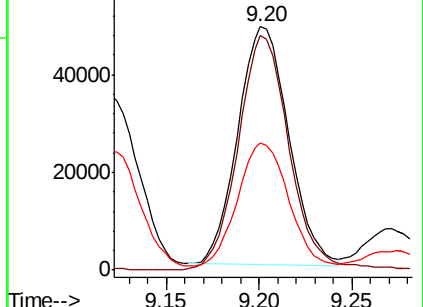
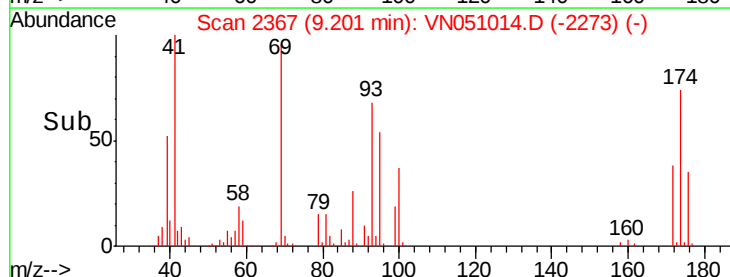
39 54.5 42.2 63.2

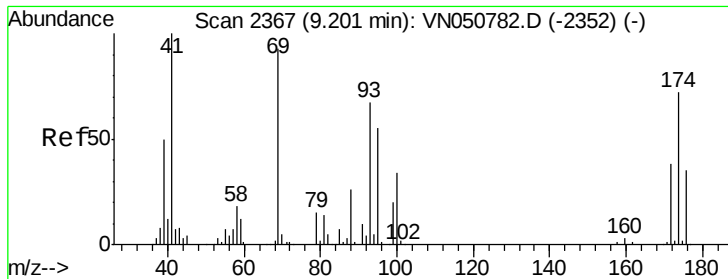


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 392.98 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

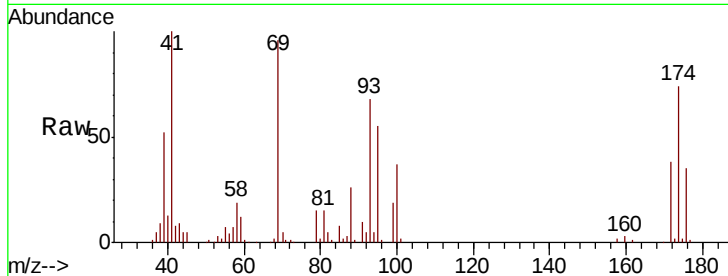
Tot Ion: 88 Resp: 27544

Ion Ratio Lower Upper

88 100

43 31.3 25.9 38.9

58 71.2 55.0 82.4

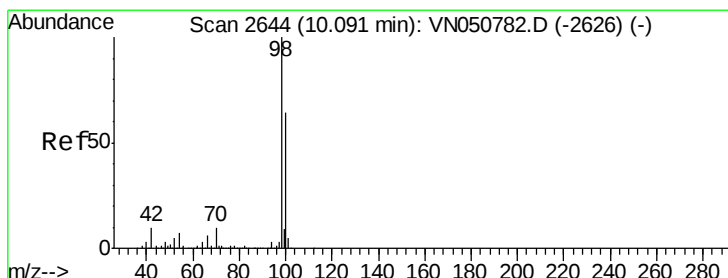
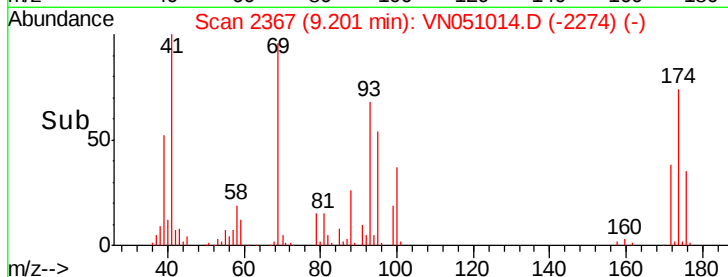
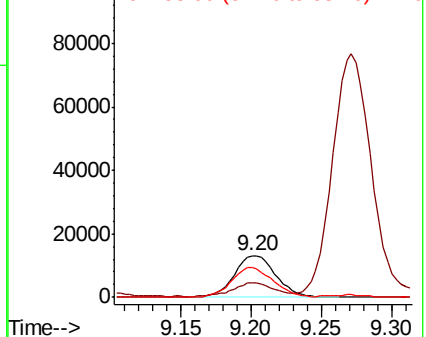


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.91 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN051014.D

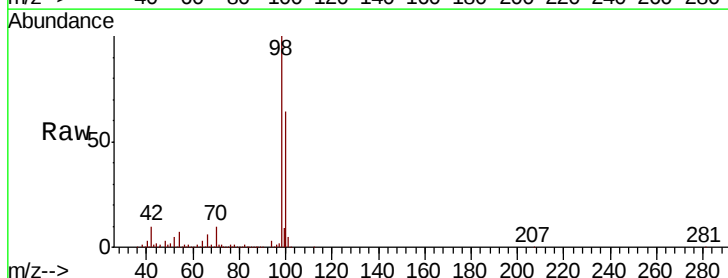
Acq: 4 Sep 2018 13:02

Tgt Ion: 98 Resp: 1259138

Ion Ratio Lower Upper

98 100

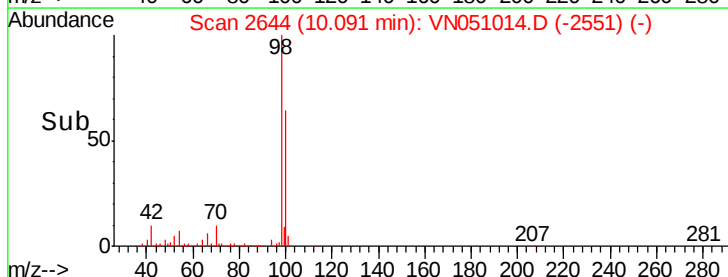
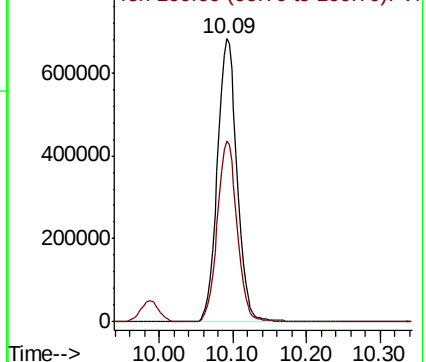
100 64.3 51.5 77.3

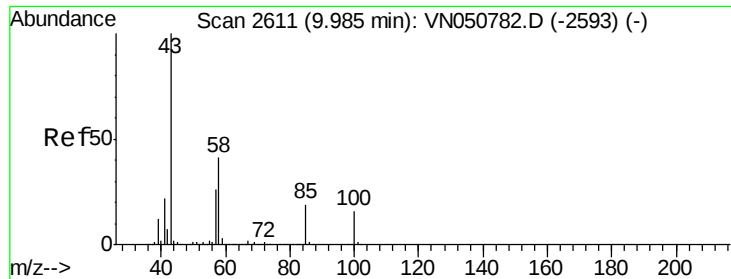


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

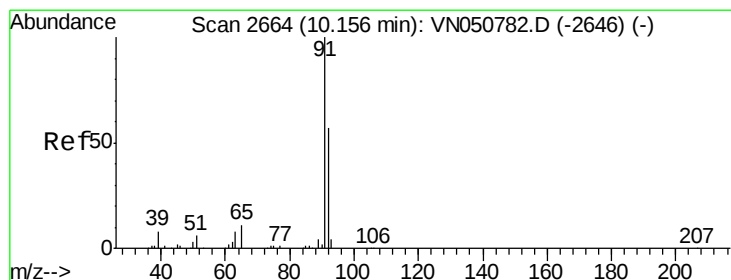
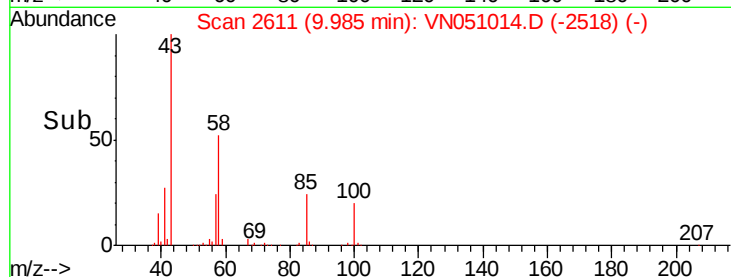
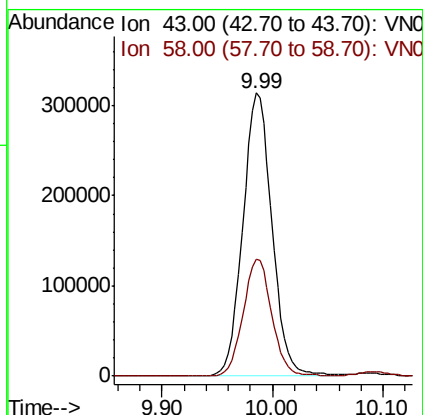
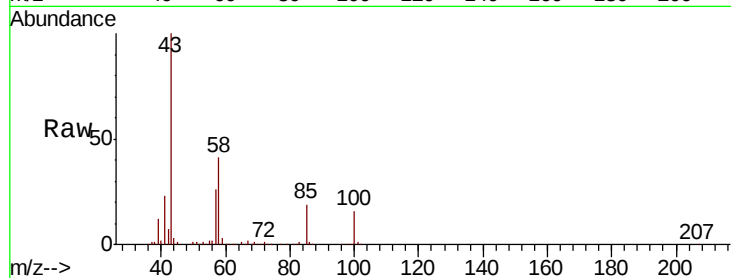




#51
 4-Methyl-2-Pentanone
 Concen: 95.00 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

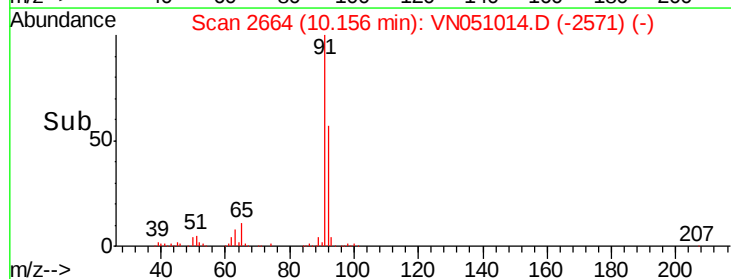
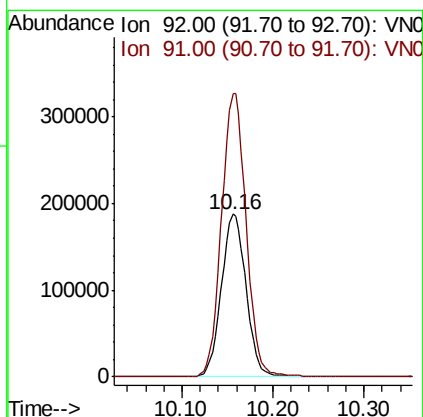
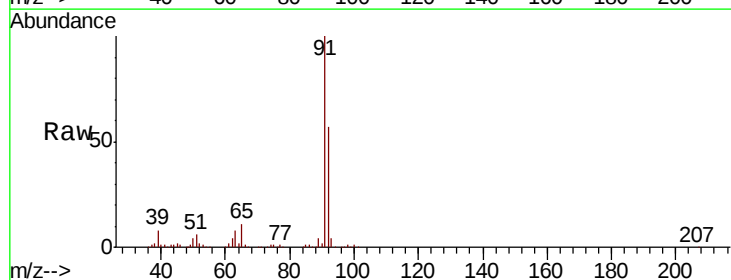
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD01

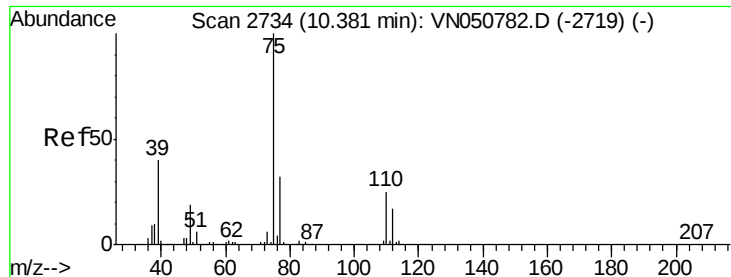
Tot Ion: 43 Resp: 571936
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.4 48.6



#52
 Toluene
 Concen: 19.39 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion: 92 Resp: 353808
 Ion Ratio Lower Upper
 92 100
 91 173.9 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 18.05 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

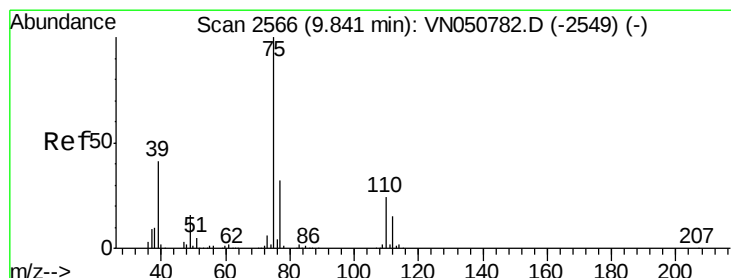
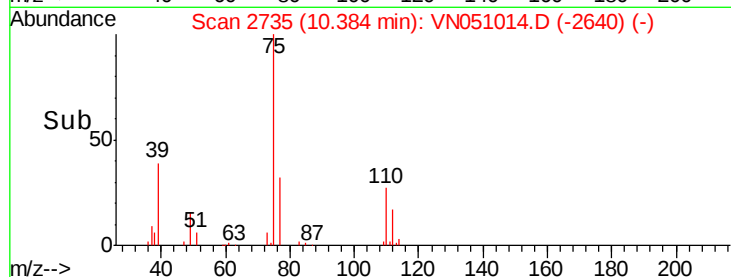
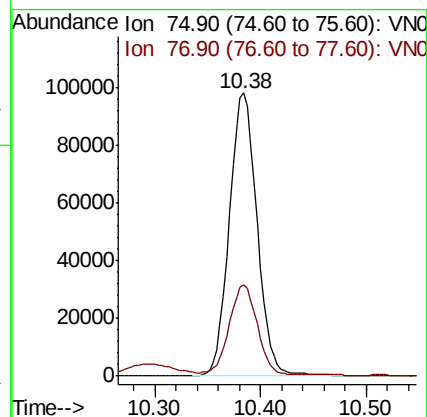
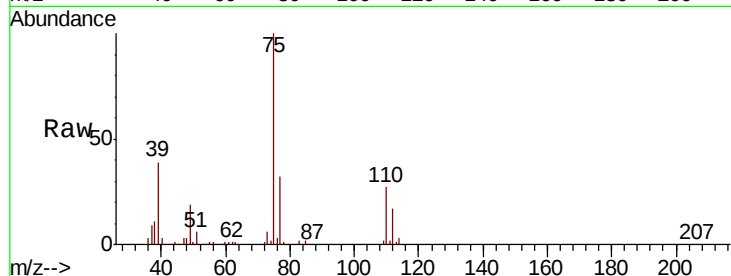
VN0904WBSD01

Tot Ion: 75 Resp: 178950

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 18.63 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

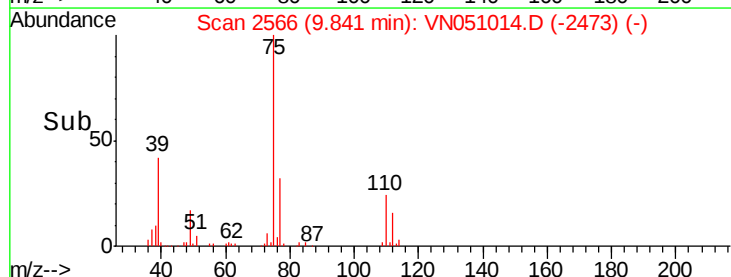
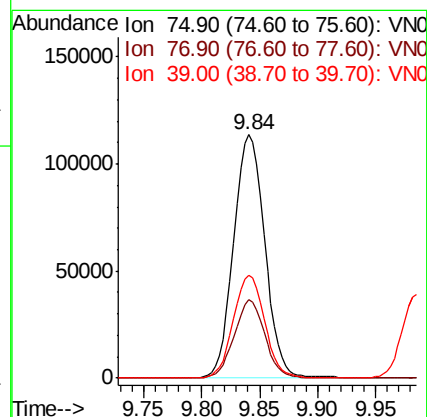
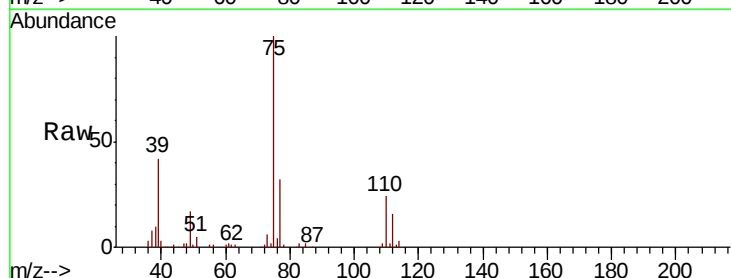
Tgt Ion: 75 Resp: 211517

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

39 42.0 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 19.61 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

Tot Ion: 97 Resp: 132799

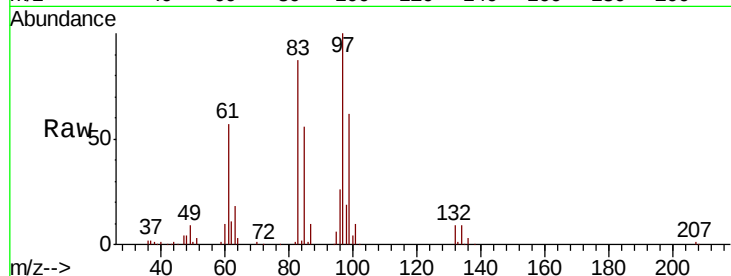
Ion Ratio Lower Upper

97 100

83 87.0 69.7 104.5

85 55.9 44.5 66.7

99 62.0 50.7 76.1

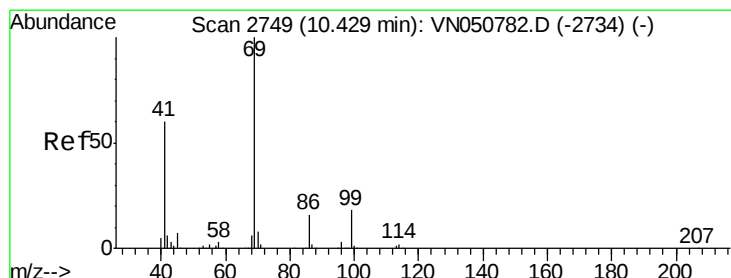
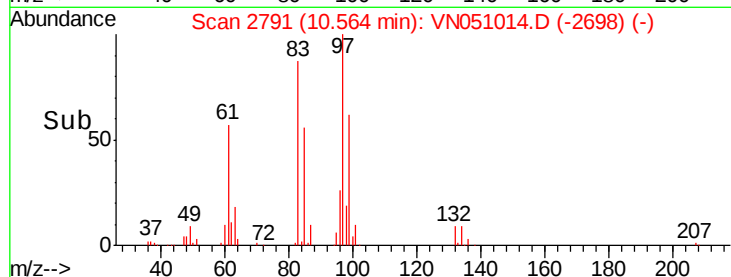
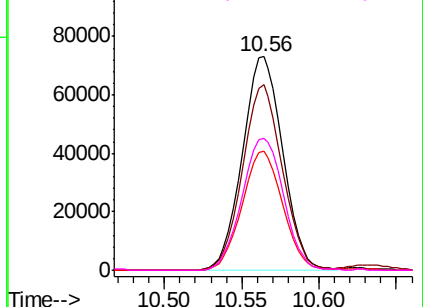


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 18.31 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

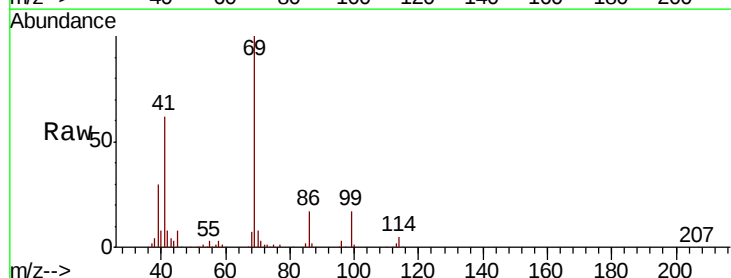
Tgt Ion: 69 Resp: 147529

Ion Ratio Lower Upper

69 100

41 60.6 48.3 72.5

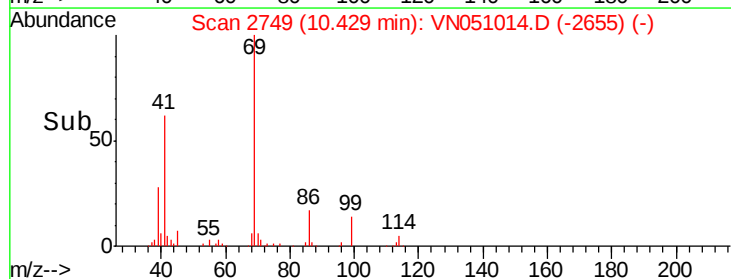
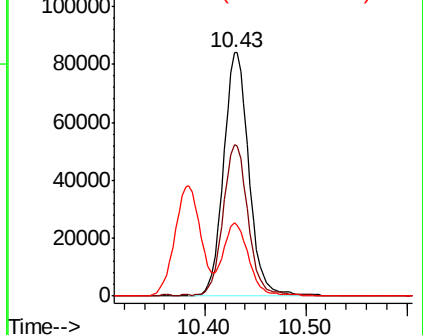
39 29.8 24.0 36.0



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: 19.33 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

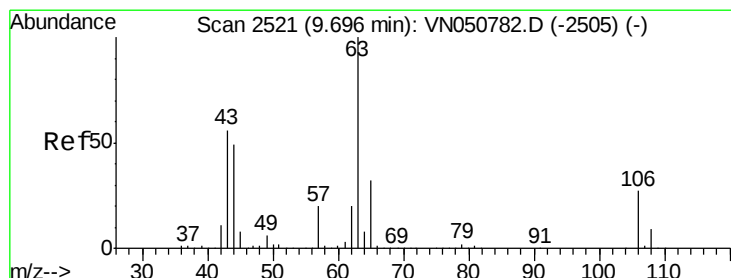
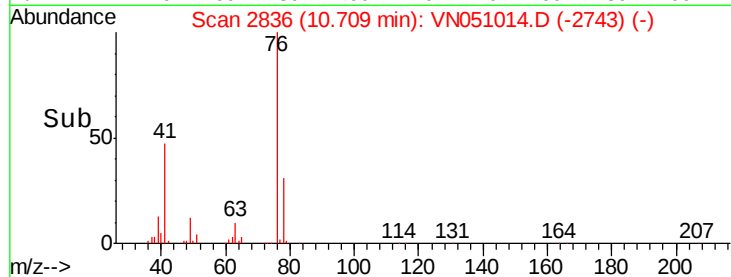
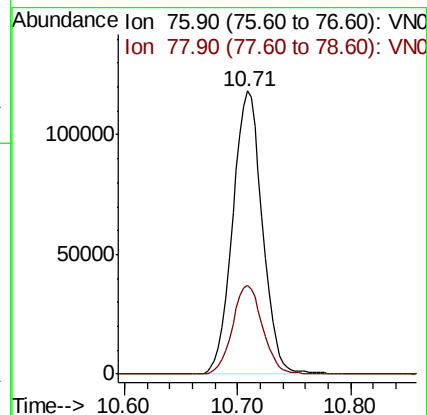
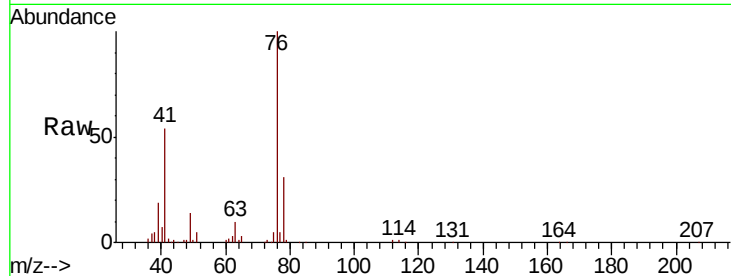
VN0904WBSD01

Tot Ion: 76 Resp: 216073

Ion Ratio Lower Upper

76 100

78 31.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 86.87 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN051014.D

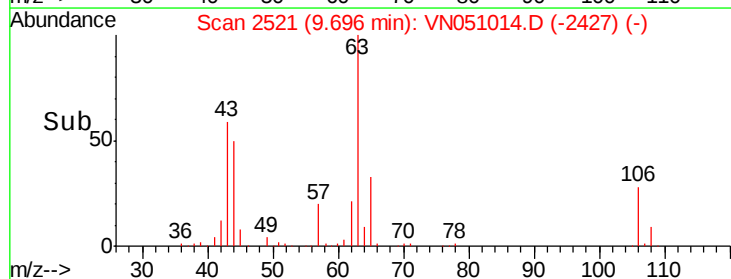
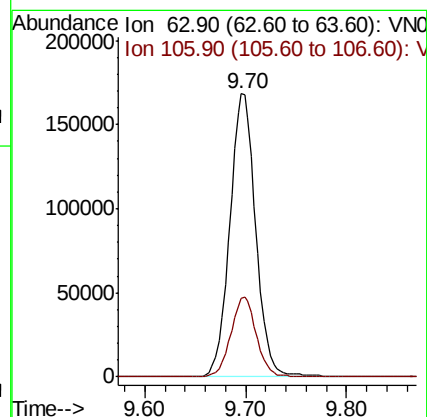
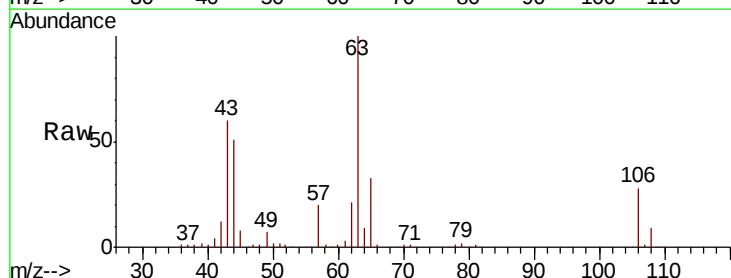
Acq: 4 Sep 2018 13:02

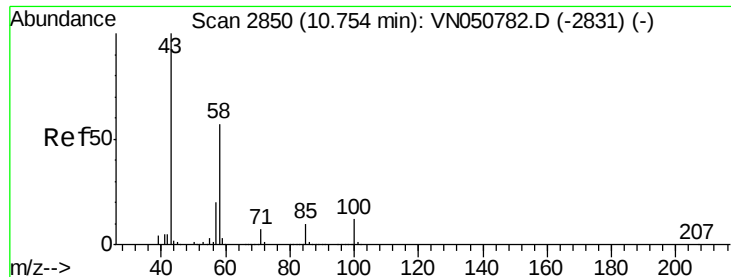
Tgt Ion: 63 Resp: 301702

Ion Ratio Lower Upper

63 100

106 27.9 21.9 32.9

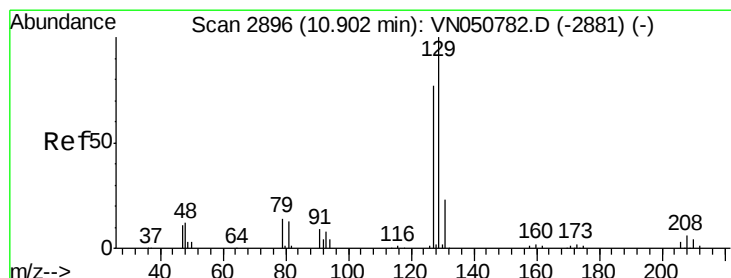
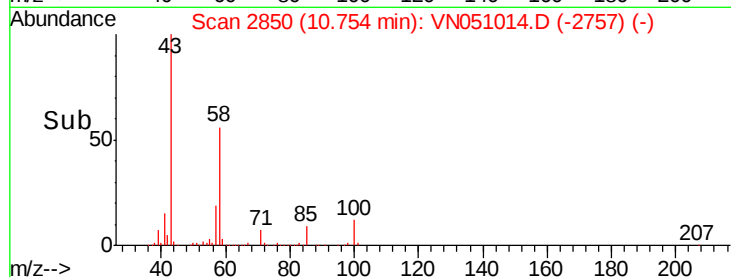
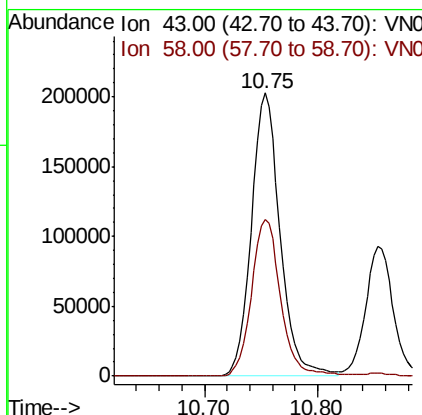
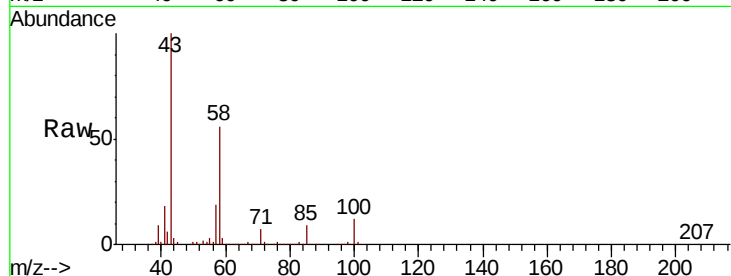




#59
2-Hexanone
Concen: 88.81 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

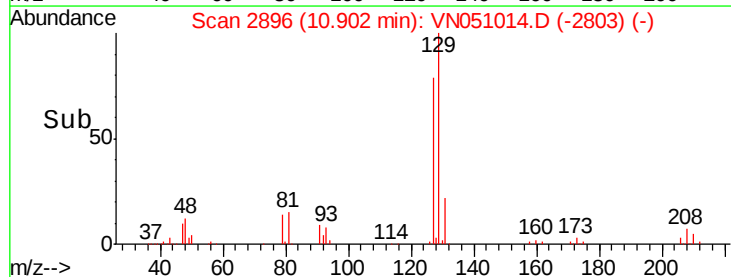
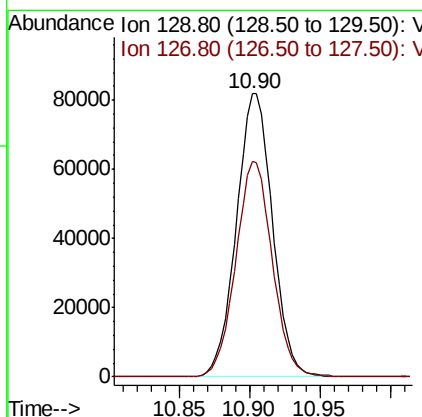
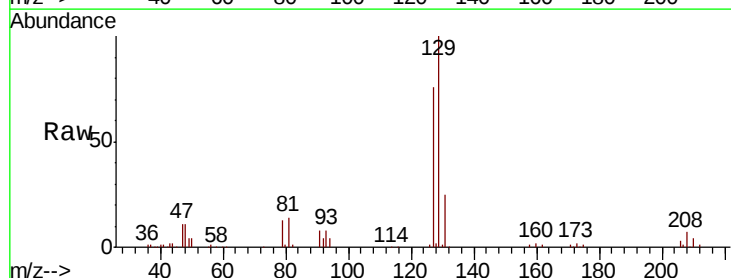
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

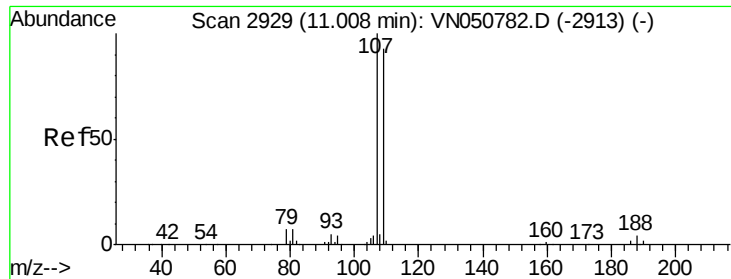
Tot Ion: 43 Resp: 355942
Ion Ratio Lower Upper
43 100
58 56.5 28.3 85.0



#60
Dibromochloromethane
Concen: 19.40 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion: 129 Resp: 147069
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 18.97 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

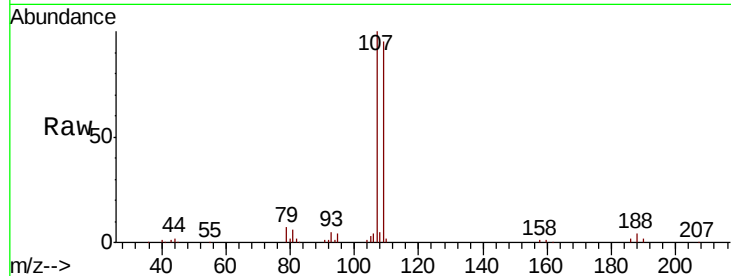
VN0904WBSD01

Tot Ion:107 Resp: 124229

Ion Ratio Lower Upper

107 100

109 95.6 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

80000

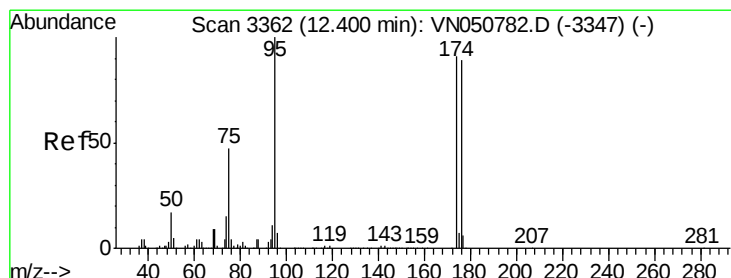
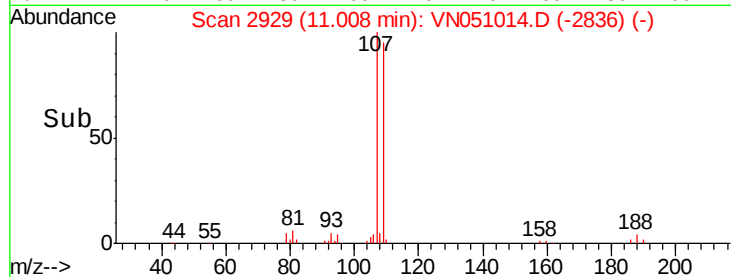
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 46.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

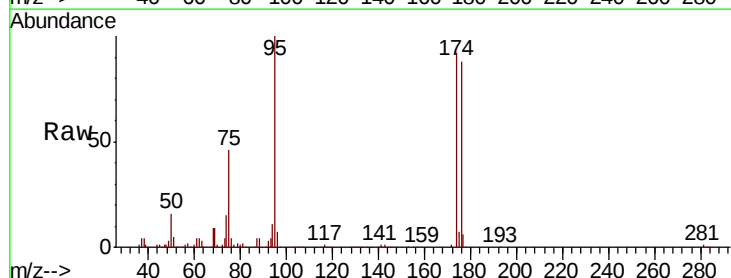
Tgt Ion: 95 Resp: 394582

Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.0

176 87.8 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

300000

250000

200000

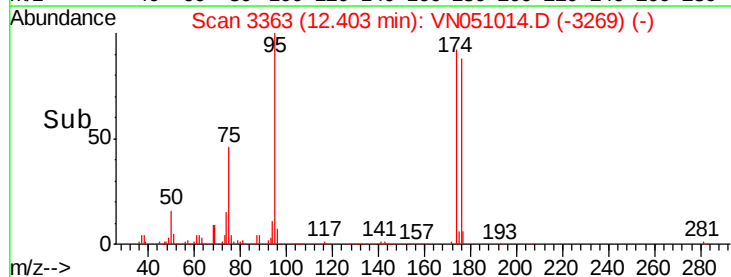
150000

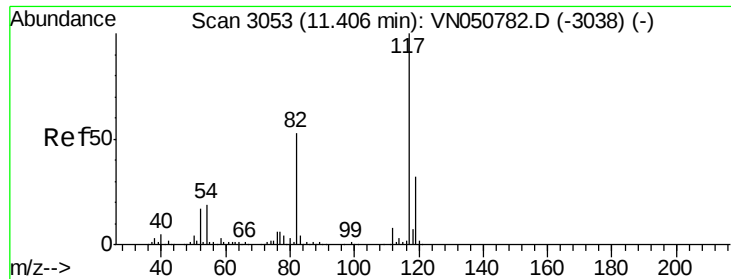
100000

50000

0

Time--> 12.35 12.40 12.45

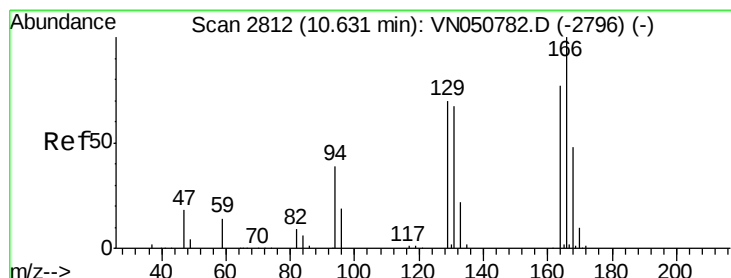
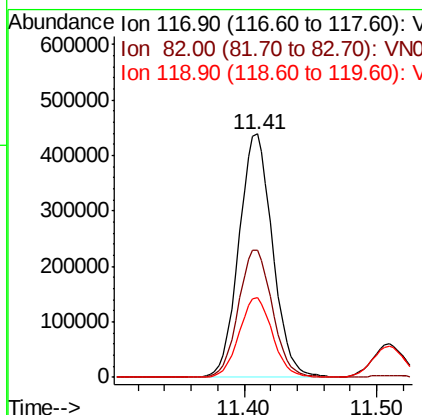
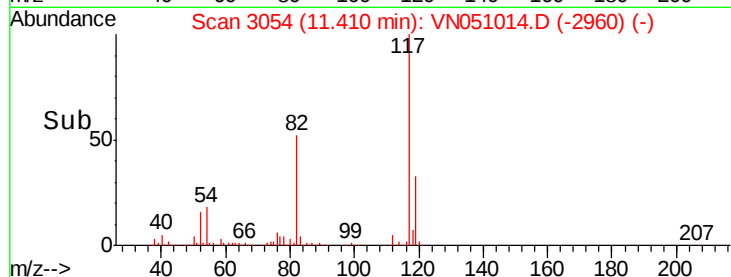
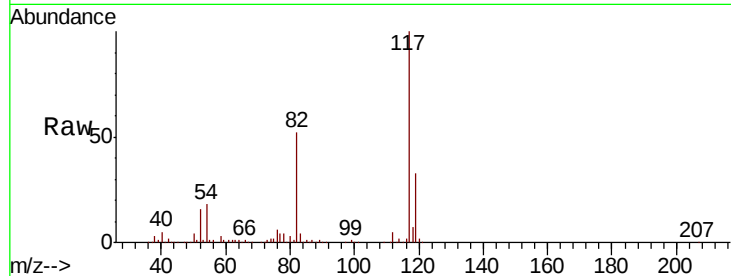




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

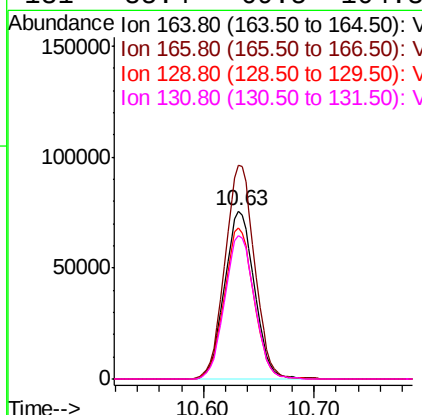
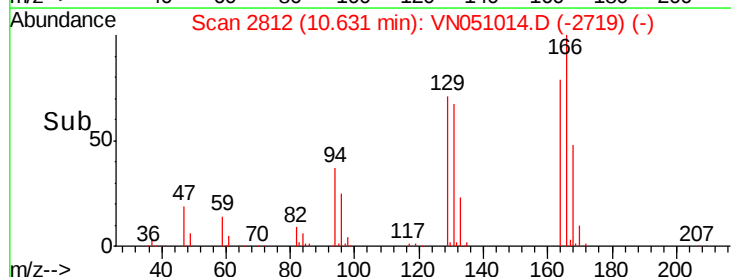
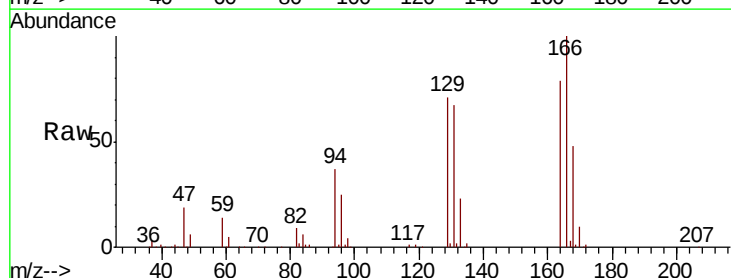
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

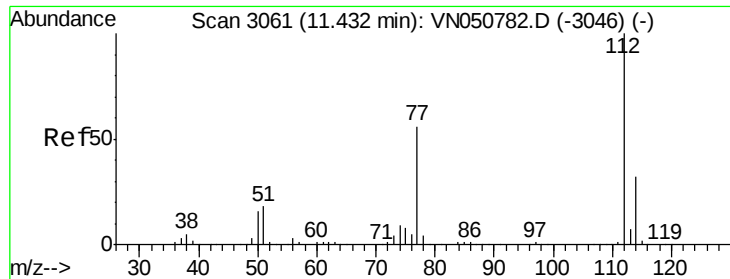
Tot Ion:117 Resp: 772676
Ion Ratio Lower Upper
117 100
82 52.0 42.6 64.0
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 19.32 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion:164 Resp: 141823
Ion Ratio Lower Upper
164 100
166 127.2 103.5 155.3
129 90.0 72.7 109.1
131 85.4 69.5 104.3

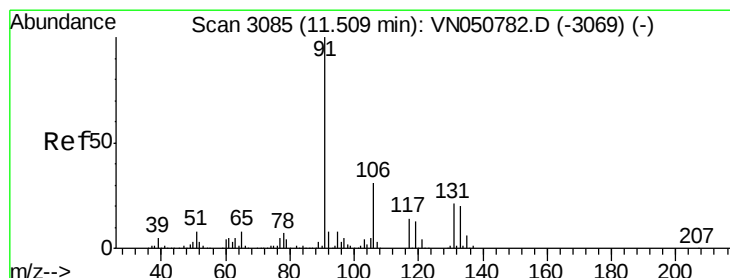
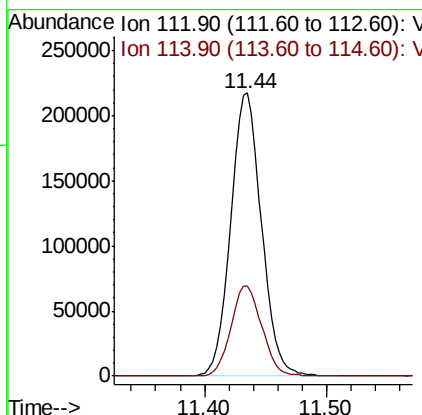
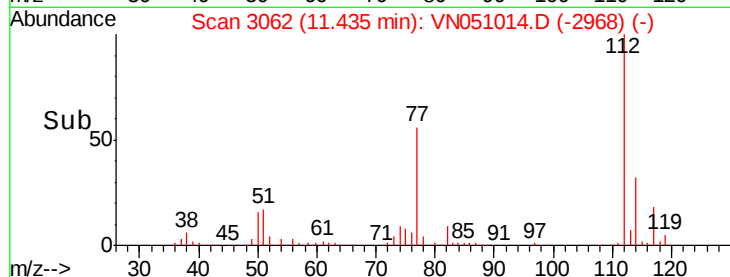
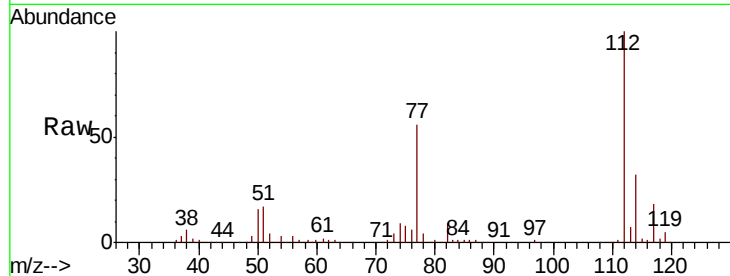




#65
Chlorobenzene
Concen: 18.87 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

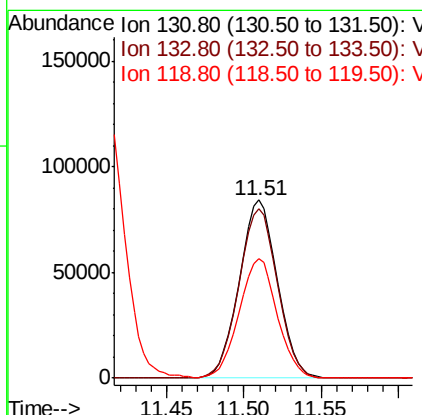
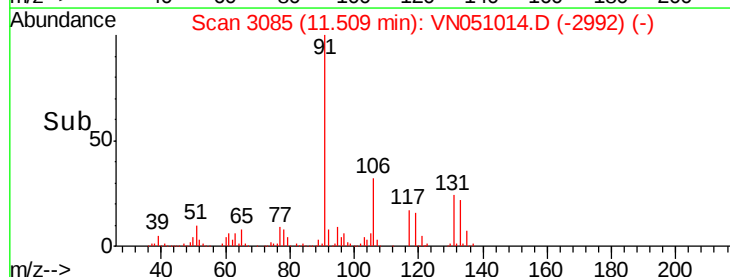
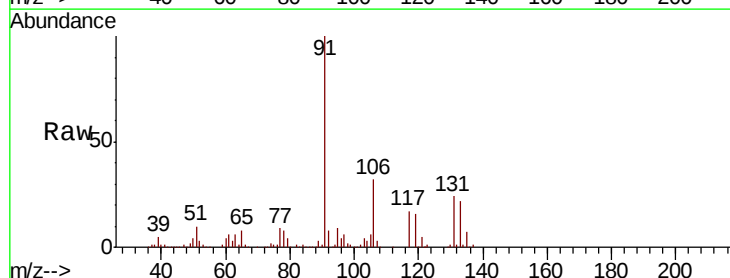
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

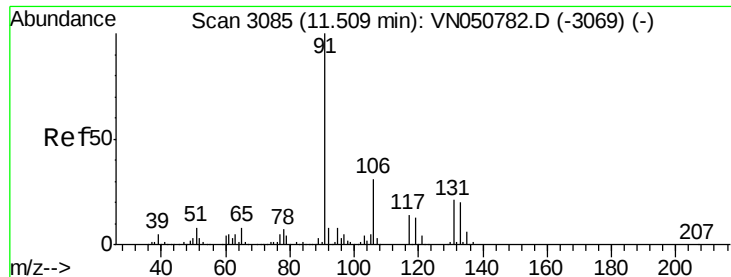
Tot Ion:112 Resp: 381175
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.56 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion:131 Resp: 144571
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.3
119 66.7 32.8 98.4

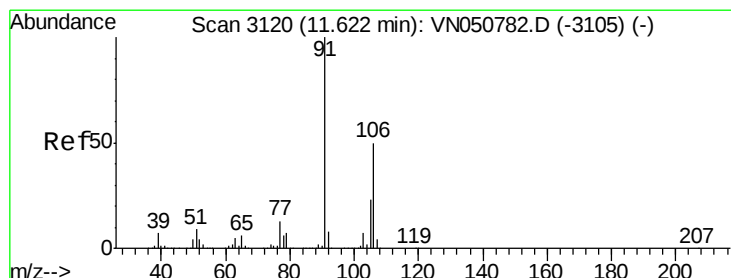
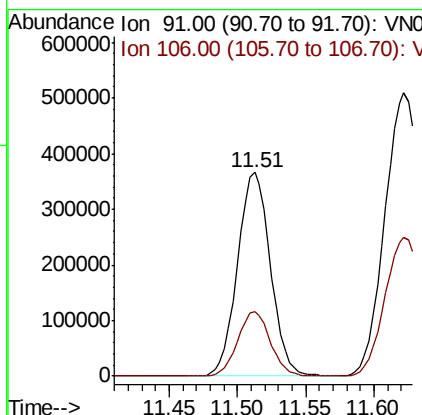
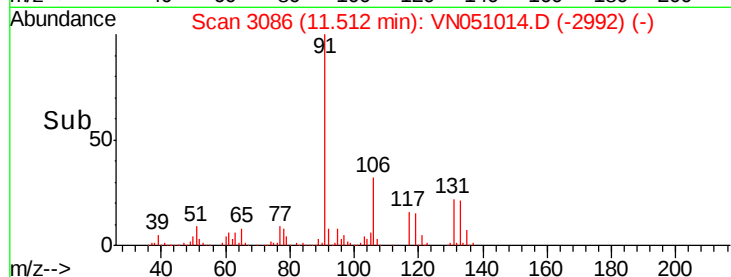
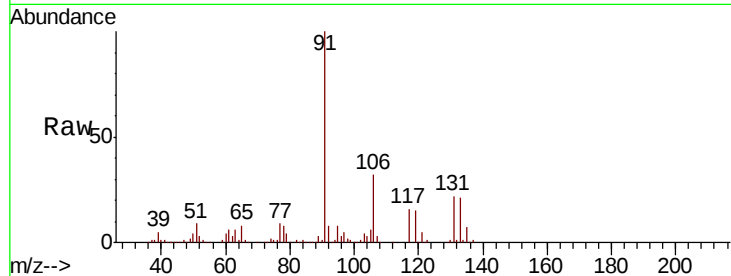




#67
Ethyl Benzene
Concen: 18.70 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

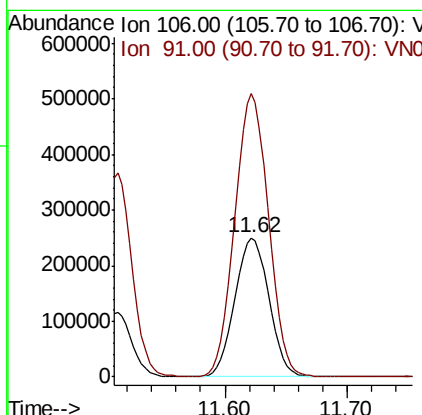
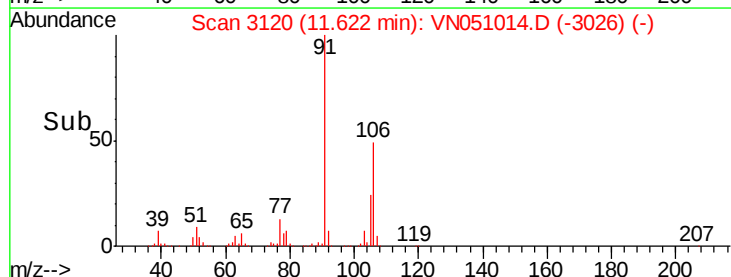
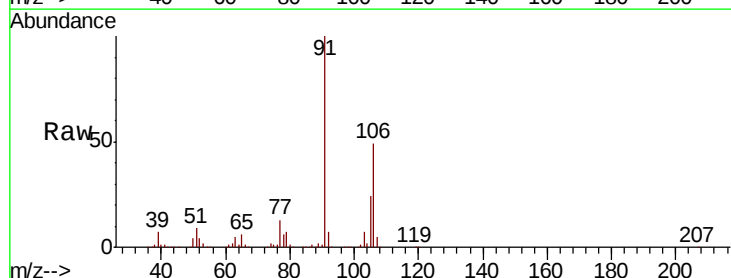
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

Tot Ion: 91 Resp: 613986
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 38.85 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion: 106 Resp: 484182
Ion Ratio Lower Upper
106 100
91 201.5 161.0 241.6

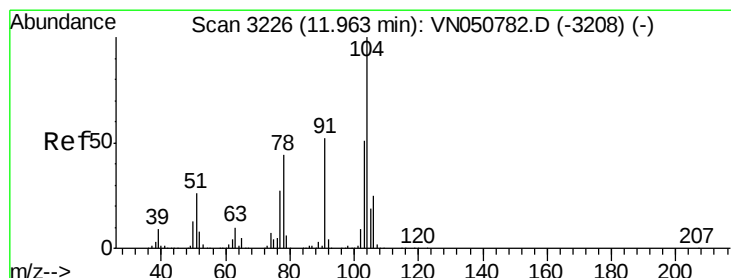
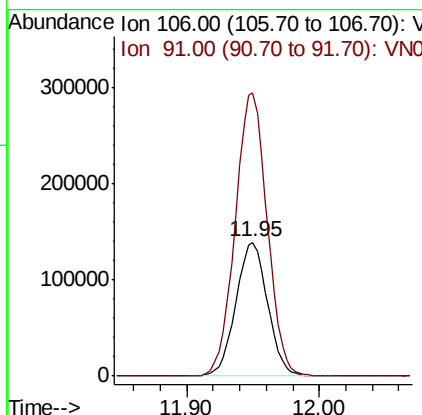
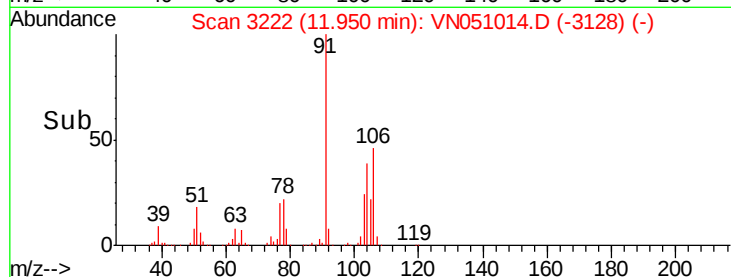
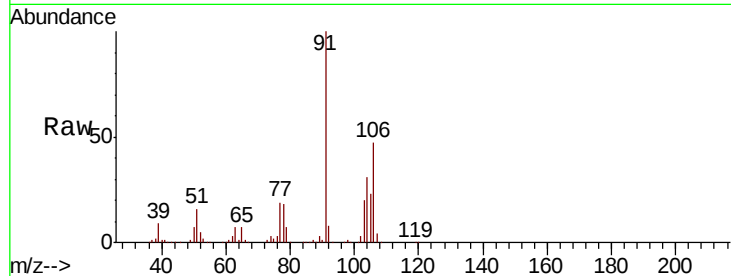




#69
o-Xylene
Concen: 19.28 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

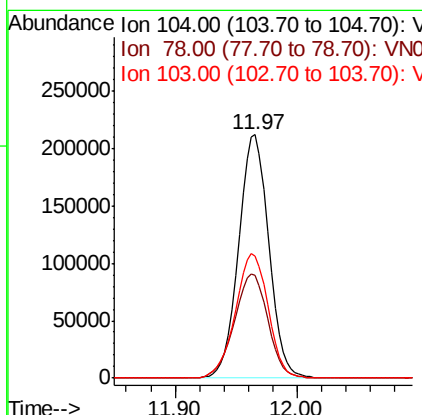
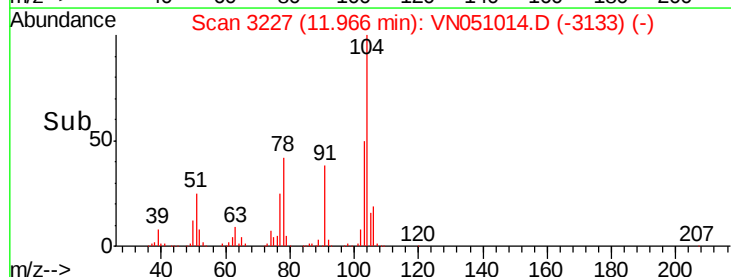
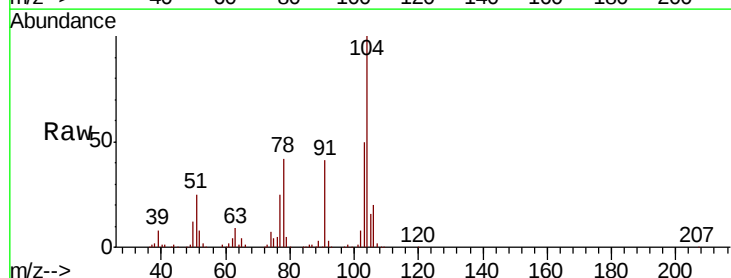
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

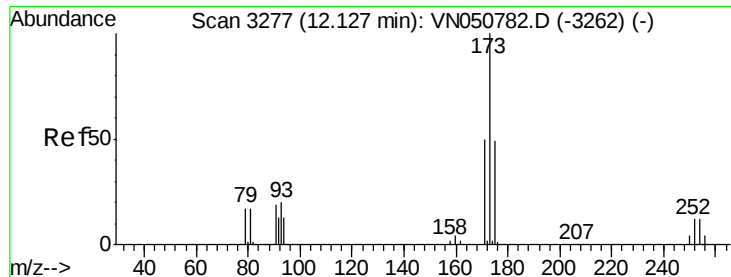
Tot Ion:106 Resp: 231059
Ion Ratio Lower Upper
106 100
91 212.8 106.5 319.5



#70
Styrene
Concen: 17.99 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion:104 Resp: 362232
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.4
103 55.8 44.4 66.6

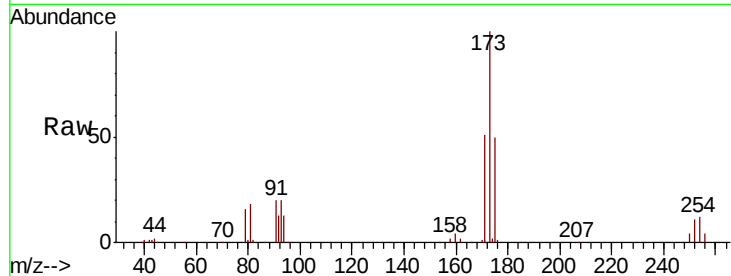




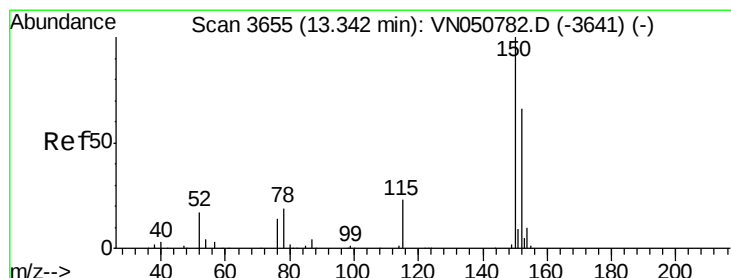
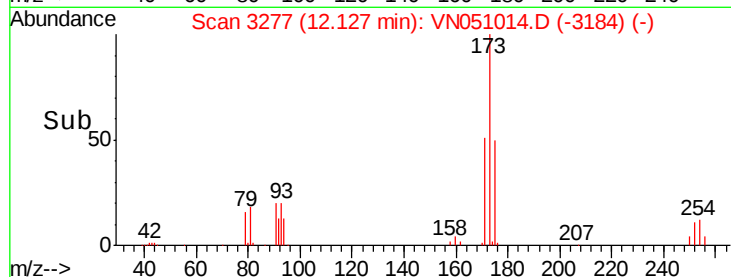
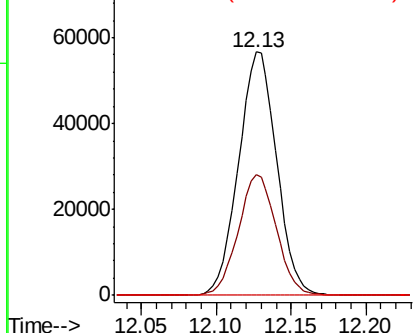
#71
Bromoform
Concen: 19.71 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

Tot Ion:173 Resp: 100152
Ion Ratio Lower Upper
173 100
175 49.6 24.4 73.4
254 0.0 0.1 0.1#

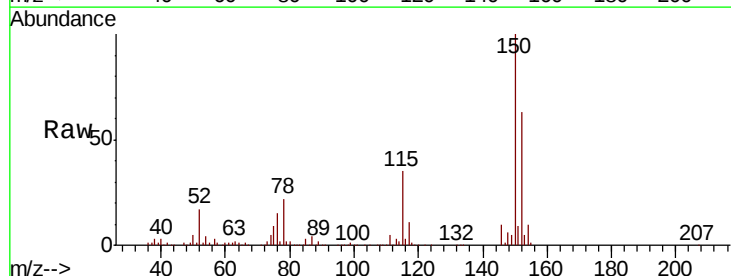


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

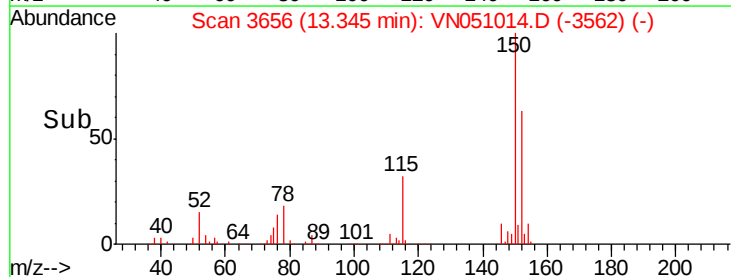
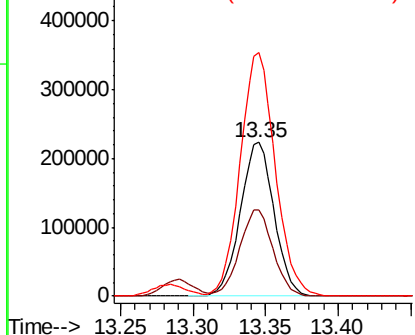


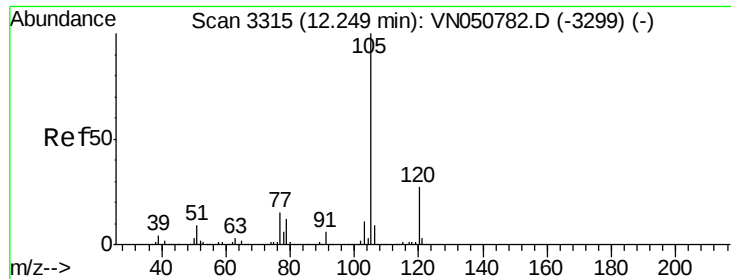
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion:152 Resp: 360324
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 164.4 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.42 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

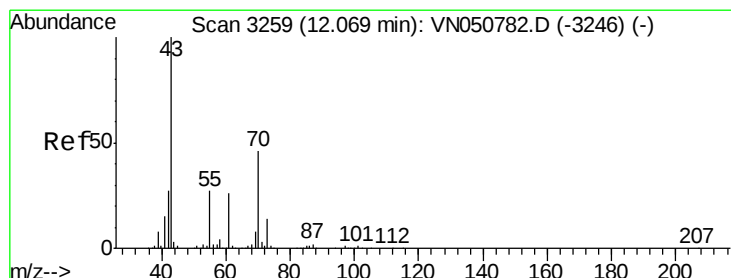
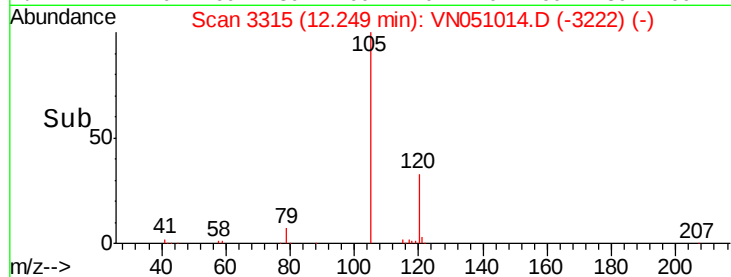
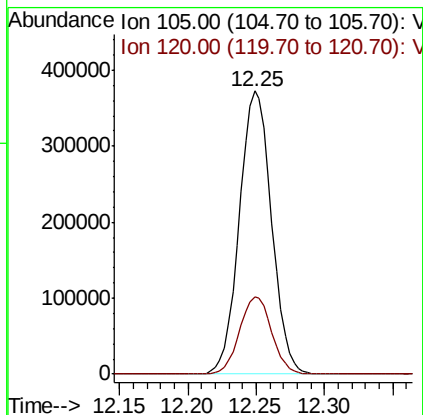
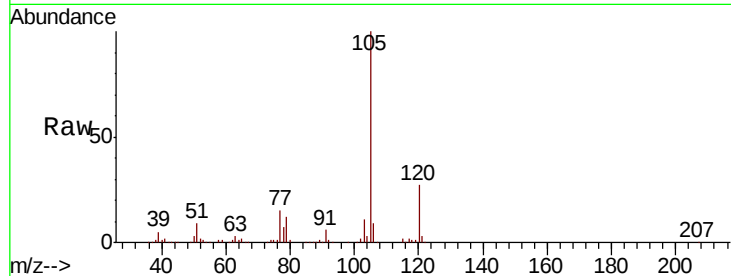
VN0904WBSD01

Tot Ion:105 Resp: 609164

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



#74

N-ethyl acetate

Concen: 18.79 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Tgt Ion: 43 Resp: 140835

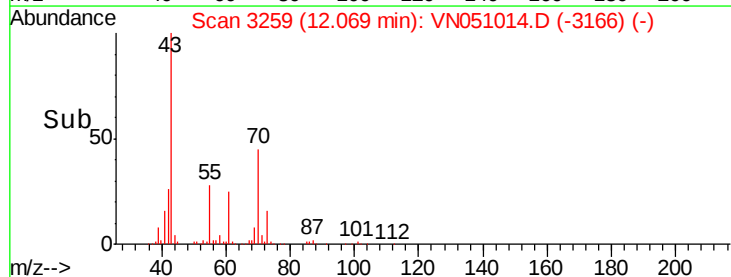
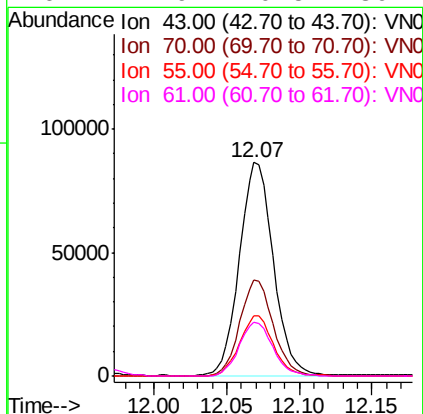
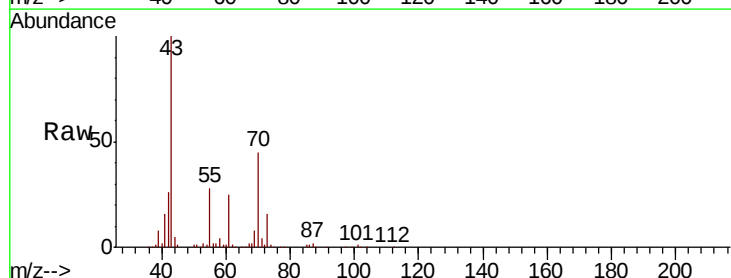
Ion Ratio Lower Upper

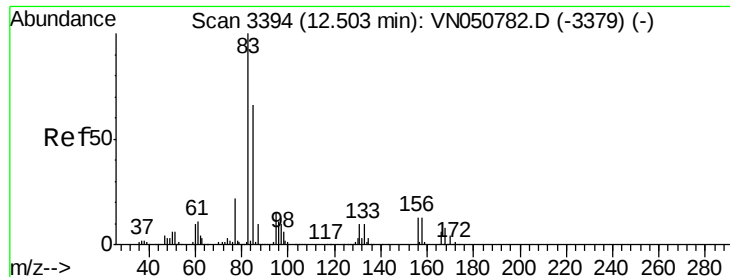
43 100

70 44.5 36.2 54.2

55 28.0 21.8 32.8

61 24.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.07 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

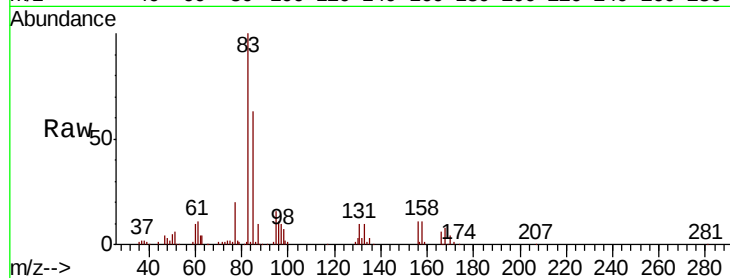
Tot Ion: 83 Resp: 163488

Ion Ratio Lower Upper

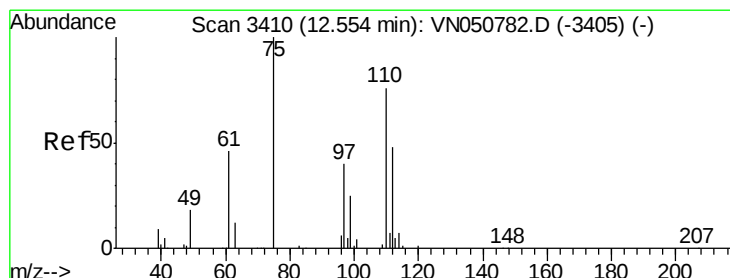
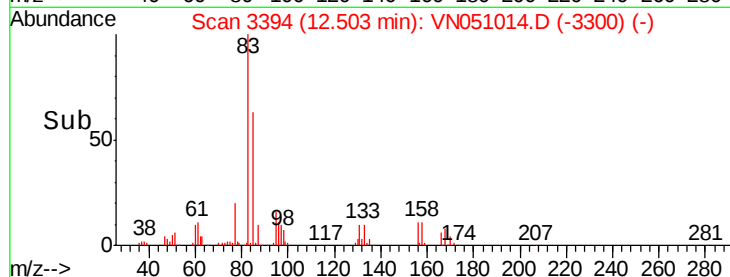
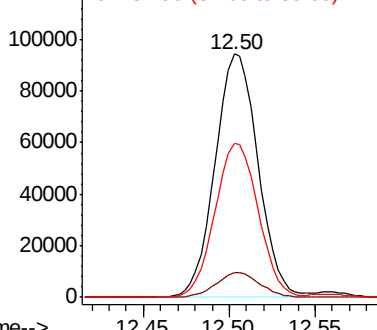
83 100

131 10.2 5.3 15.9

85 63.7 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.04 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN051014.D

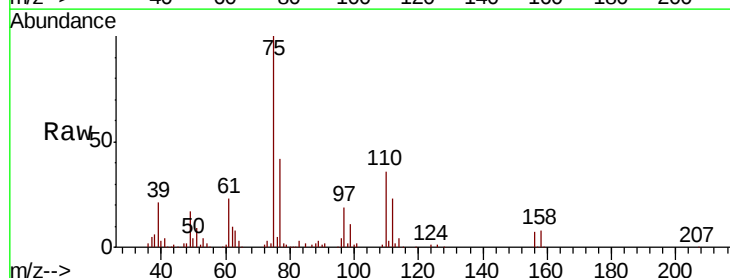
Acq: 4 Sep 2018 13:02

Tgt Ion: 75 Resp: 183266

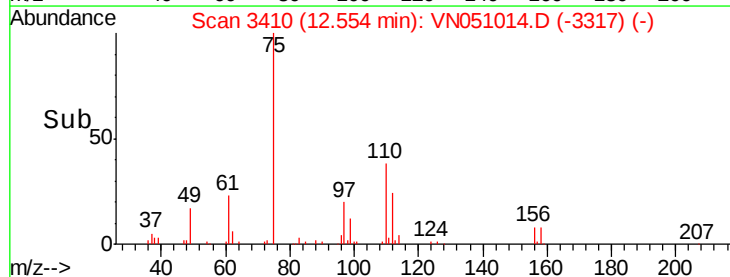
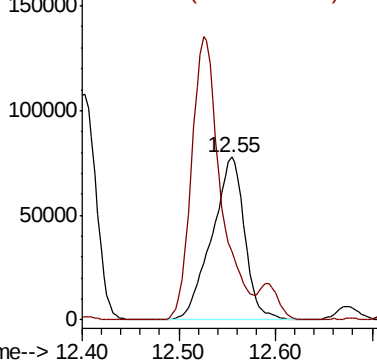
Ion Ratio Lower Upper

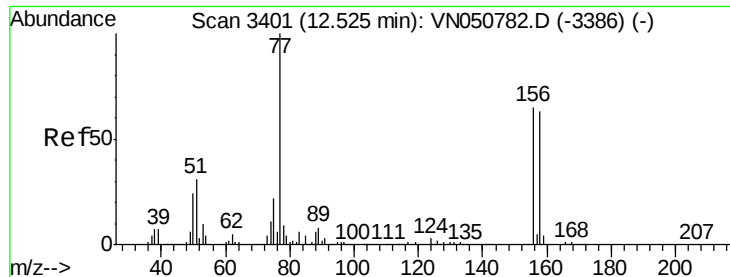
75 100

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: 19.64 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

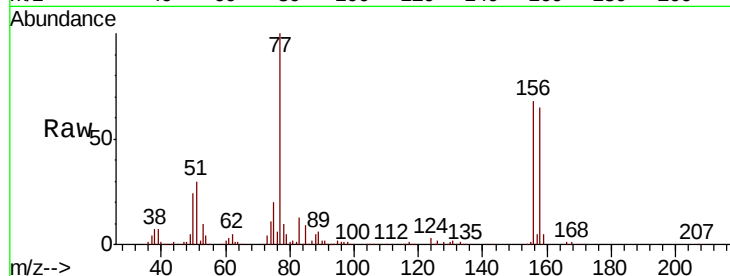
Tot Ion:156 Resp: 159222

Ion Ratio Lower Upper

156 100

77 178.4 89.9 269.7

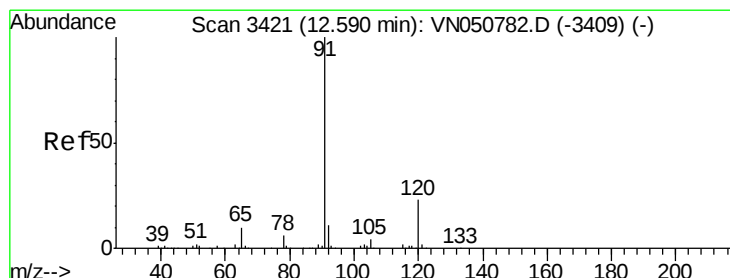
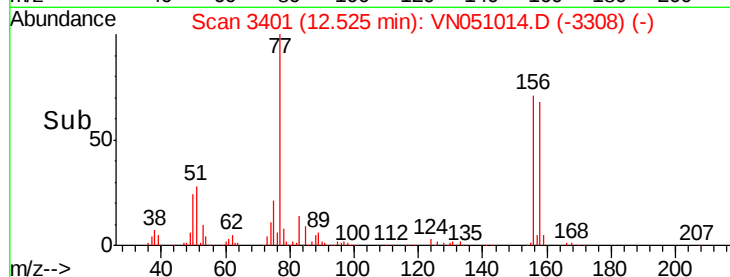
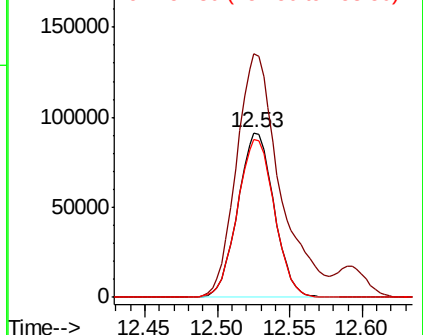
158 98.1 49.3 147.9



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: 20.14 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN051014.D

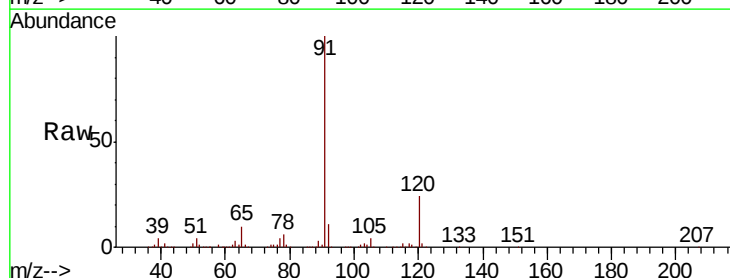
Acq: 4 Sep 2018 13:02

Tgt Ion: 91 Resp: 671302

Ion Ratio Lower Upper

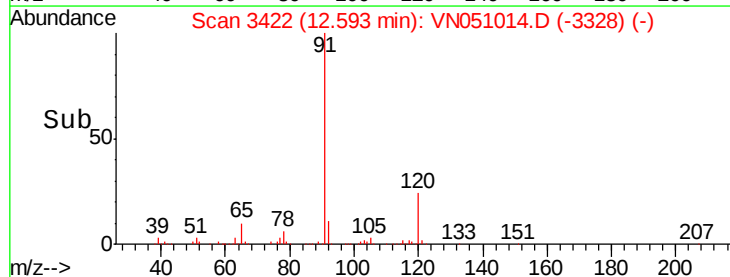
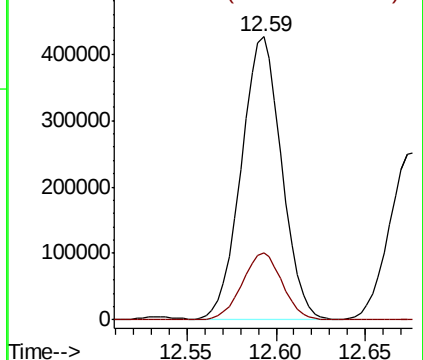
91 100

120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

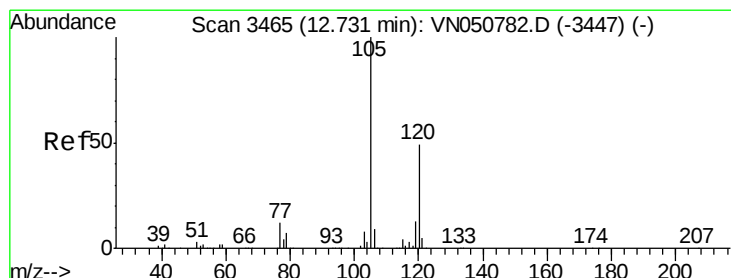
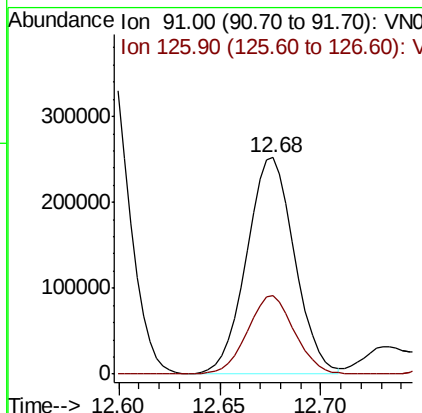
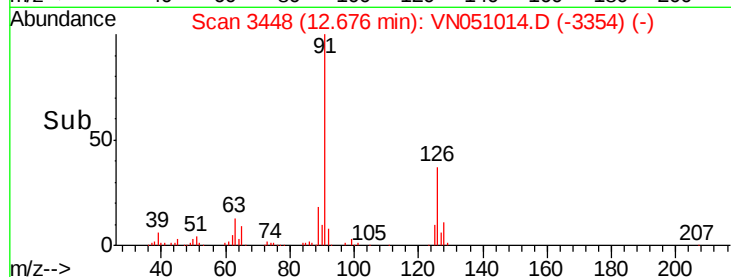
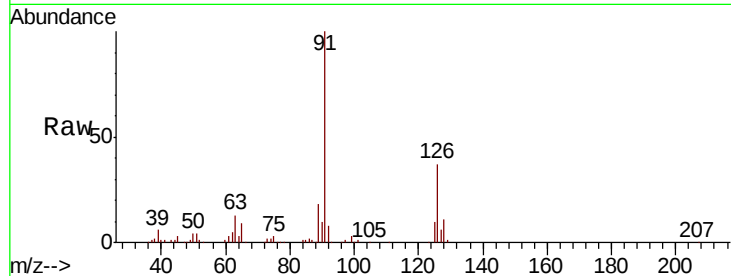




#79
 2-Chlorotoluene
 Concen: 20.06 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

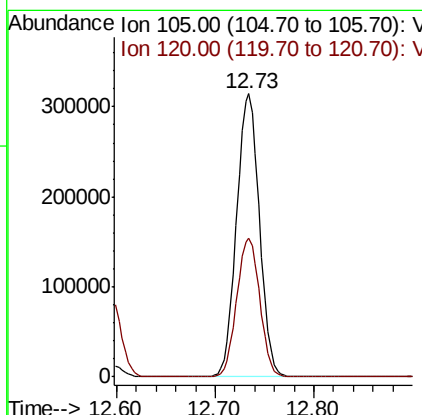
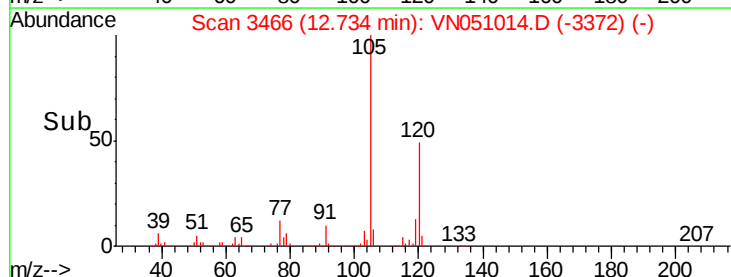
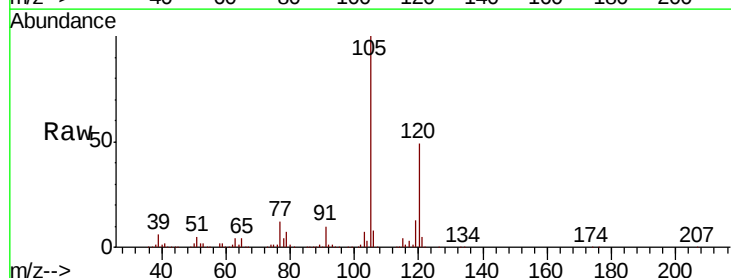
Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBSD01

Tot Ion: 91 Resp: 416538
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.87 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion: 105 Resp: 502414
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.46 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

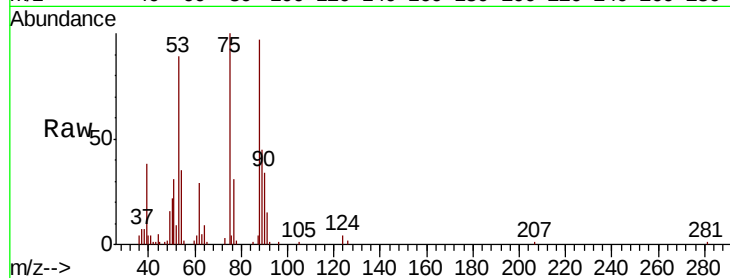
Tot Ion: 75 Resp: 34468

Ion Ratio Lower Upper

75 100

53 90.7 68.9 103.3

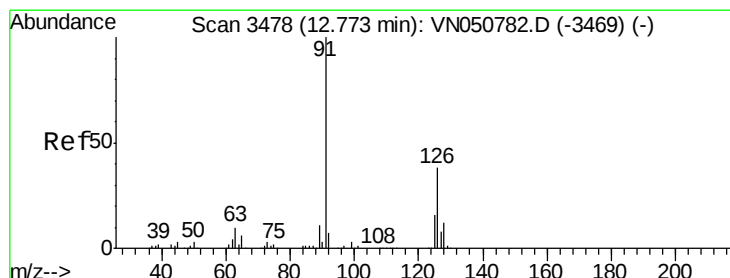
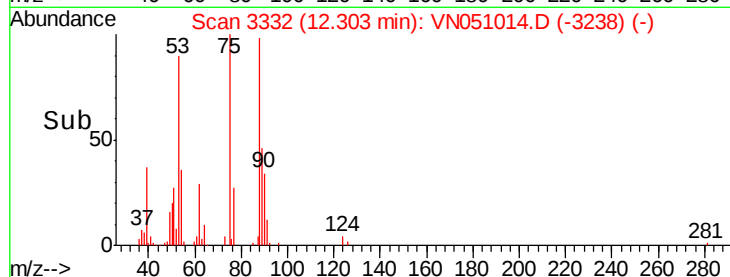
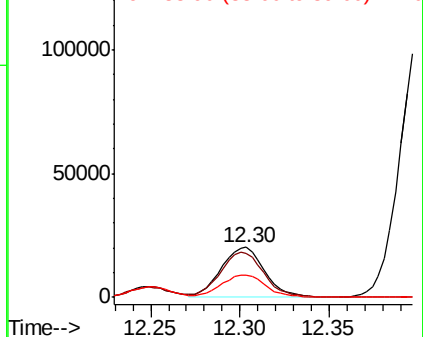
89 45.5 36.1 54.1



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: 19.67 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN051014.D

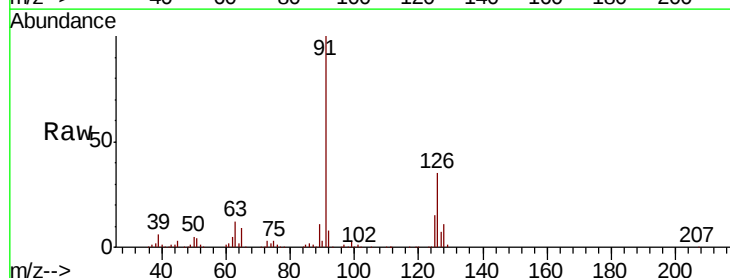
Acq: 4 Sep 2018 13:02

Tgt Ion: 91 Resp: 403070

Ion Ratio Lower Upper

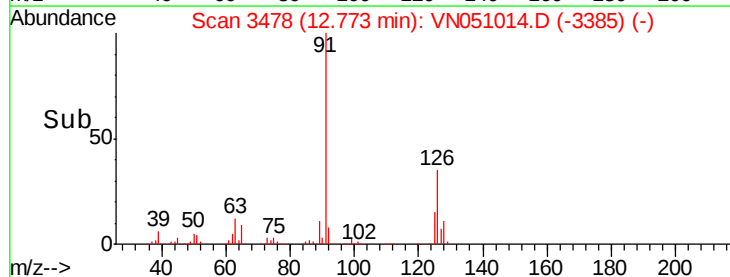
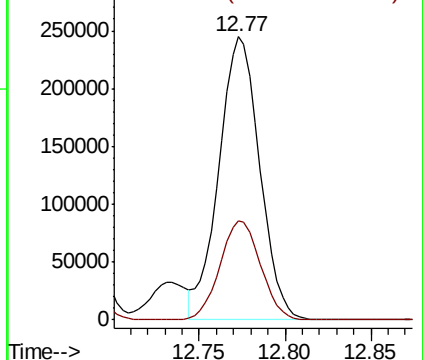
91 100

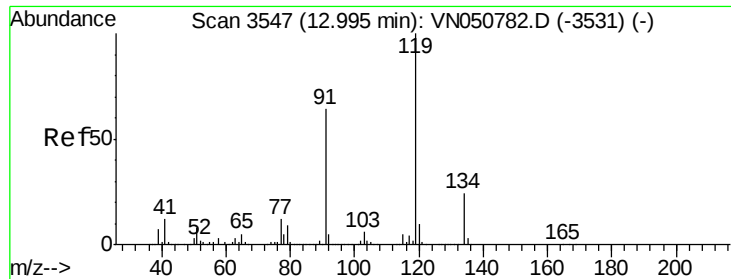
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

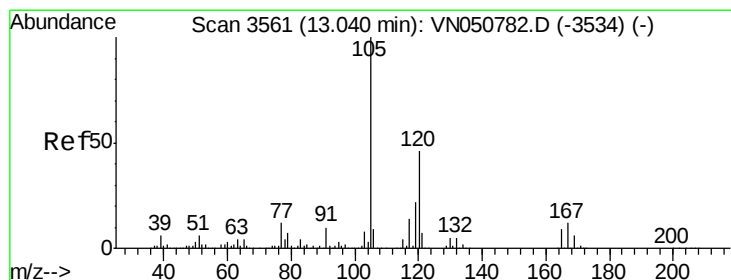
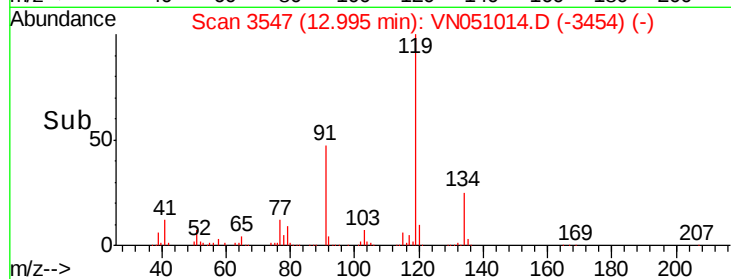
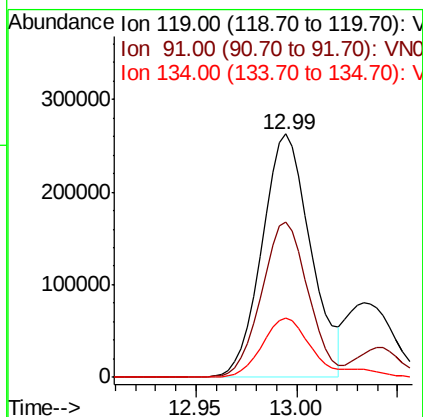
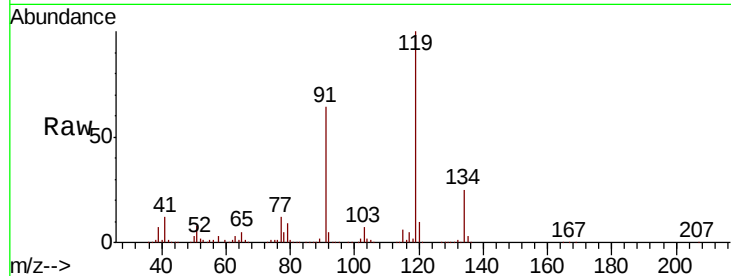




#83
 tert-Butylbenzene
 Concen: 21.20 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

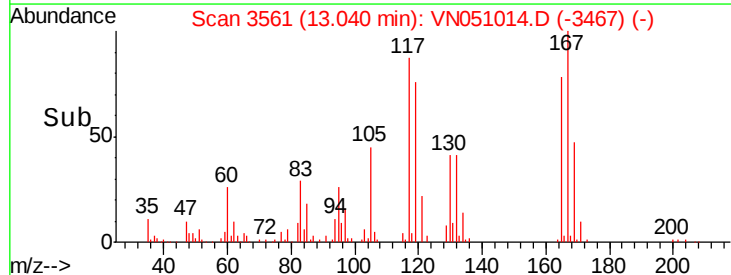
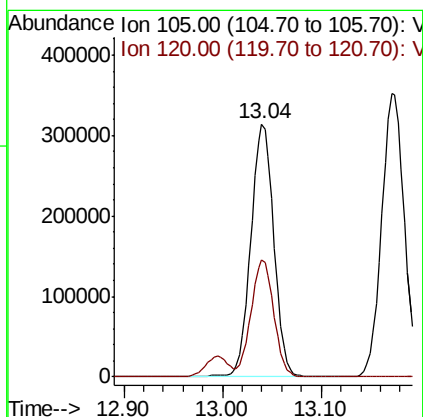
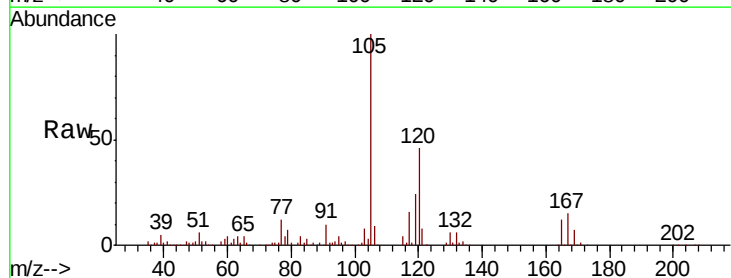
Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBSD01

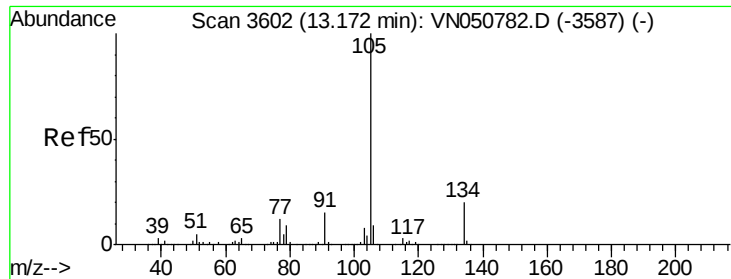
Tot Ion:119 Resp: 441974
 Ion Ratio Lower Upper
 119 100
 91 61.5 31.6 94.7
 134 24.2 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.77 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion:105 Resp: 503011
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.51 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

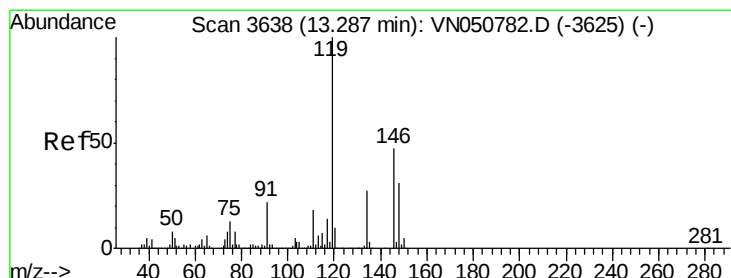
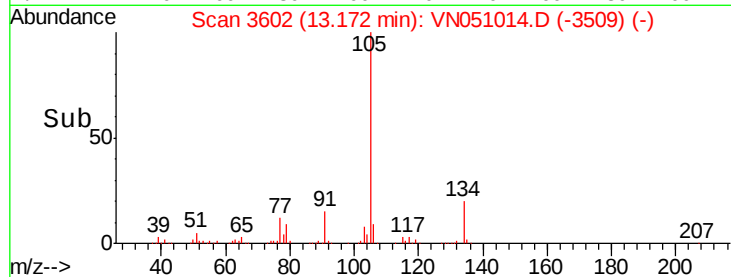
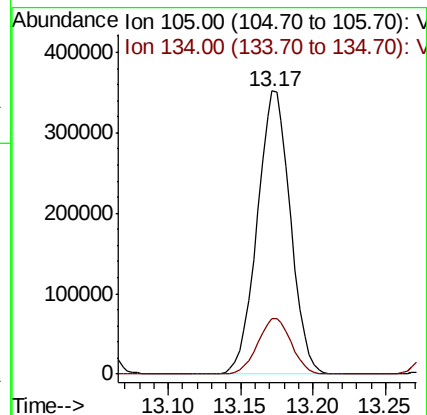
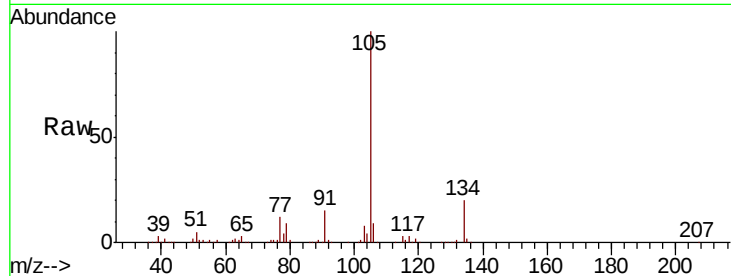
VN0904WBSD01

Tot Ion:105 Resp: 560348

Ion Ratio Lower Upper

105 100

134 19.9 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.35 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

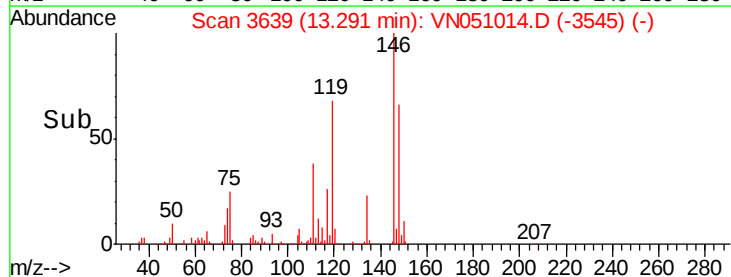
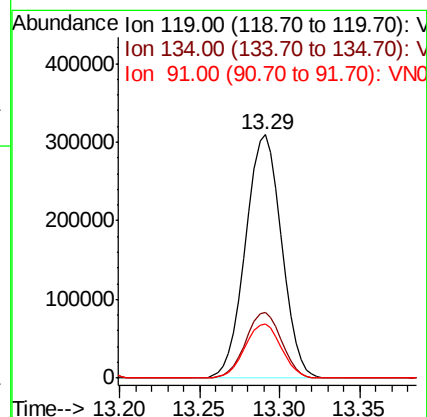
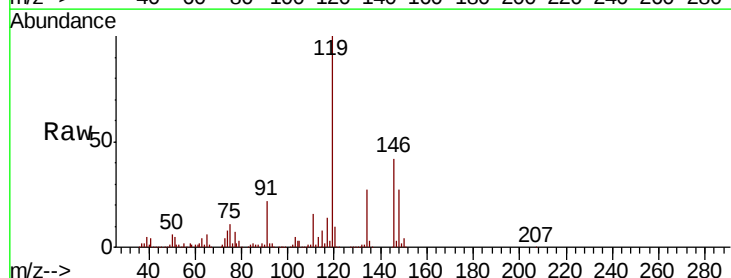
Tgt Ion:119 Resp: 473621

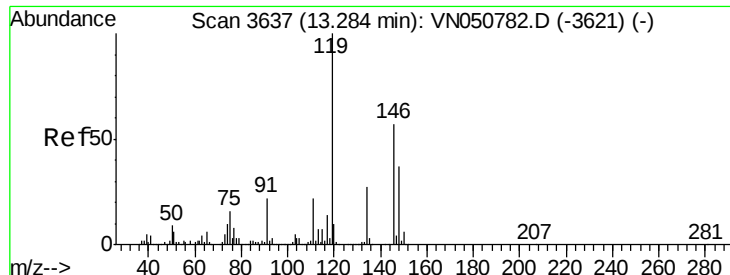
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 22.5 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.01 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

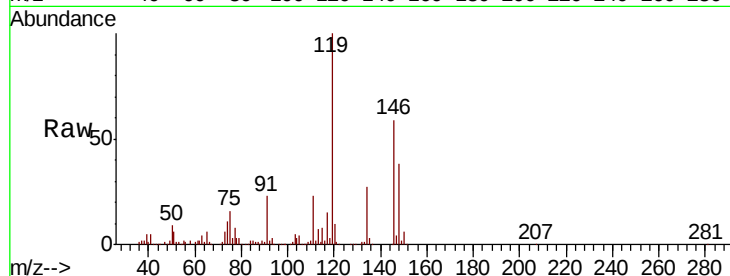
Tot Ion:146 Resp: 261607

Ion Ratio Lower Upper

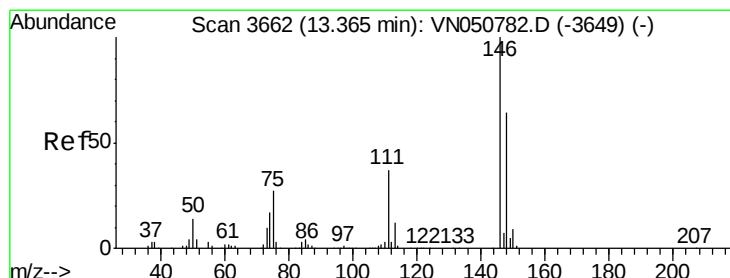
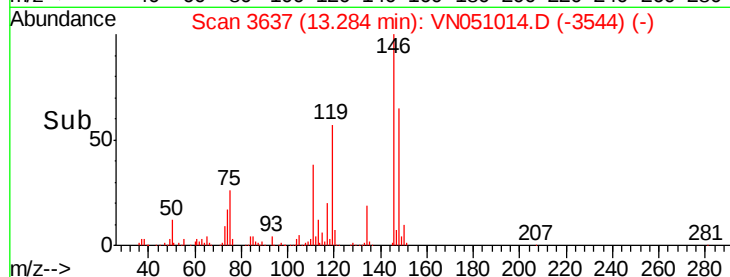
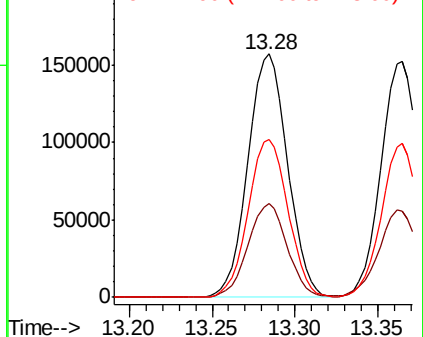
146 100

111 38.0 19.1 57.3

148 65.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.50 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

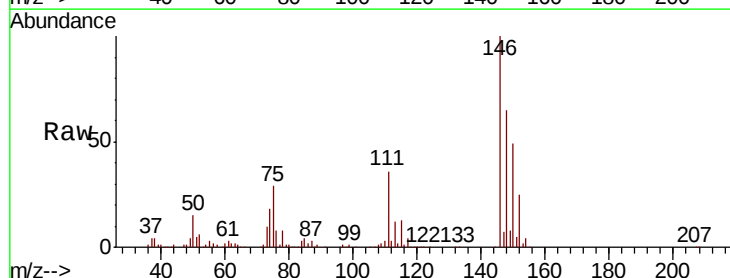
Tgt Ion:146 Resp: 250572

Ion Ratio Lower Upper

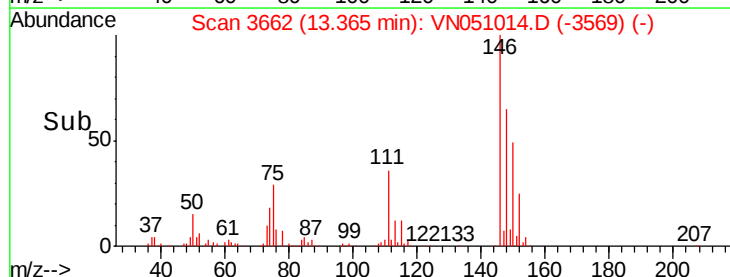
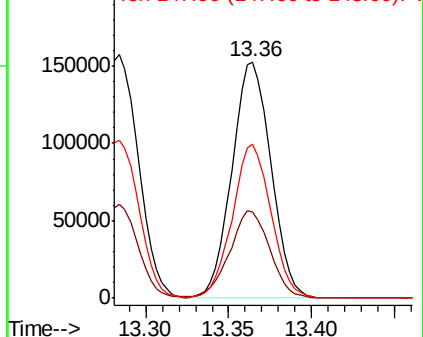
146 100

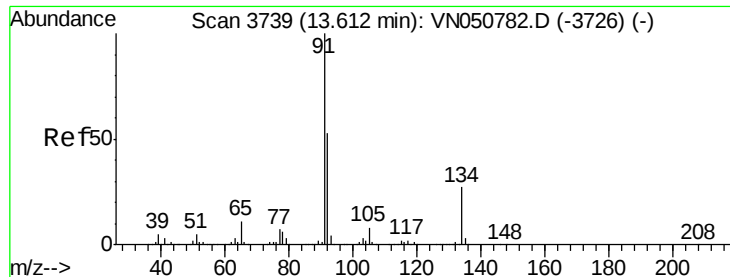
111 38.1 18.8 56.3

148 64.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

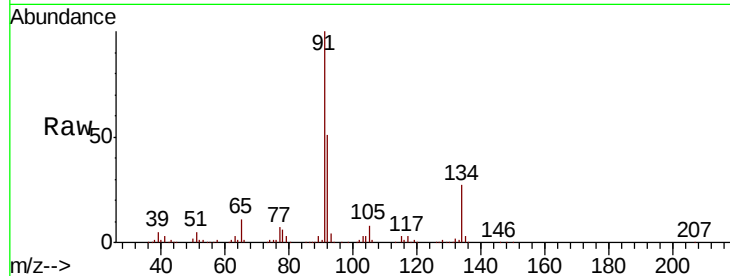




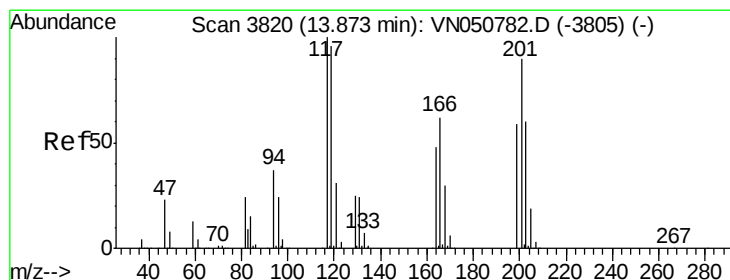
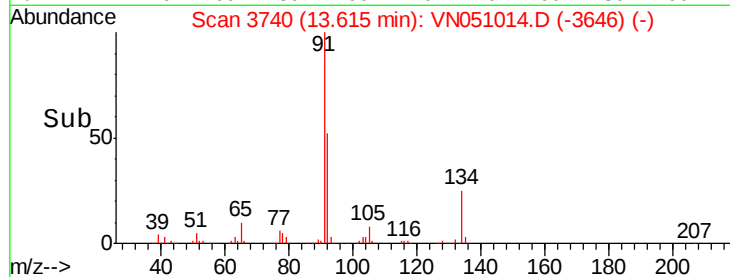
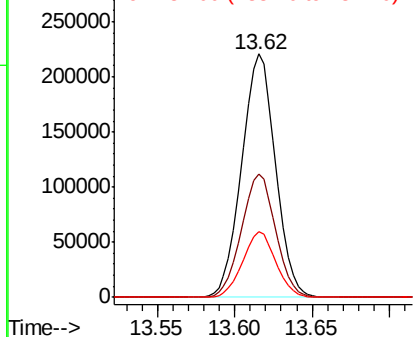
#89
n-Butylbenzene
Concen: 18.08 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

Tot Ion: 91 Resp: 336535
Ion Ratio Lower Upper
91 100
92 51.1 26.1 78.2
134 26.5 13.2 39.6

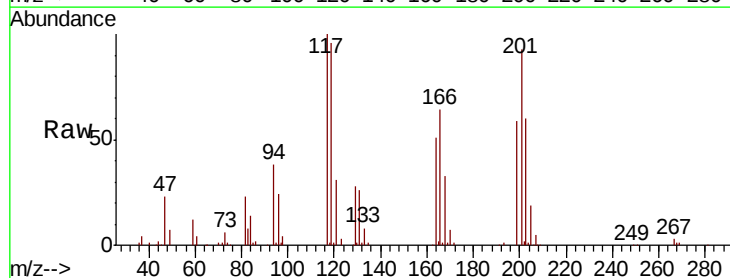


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

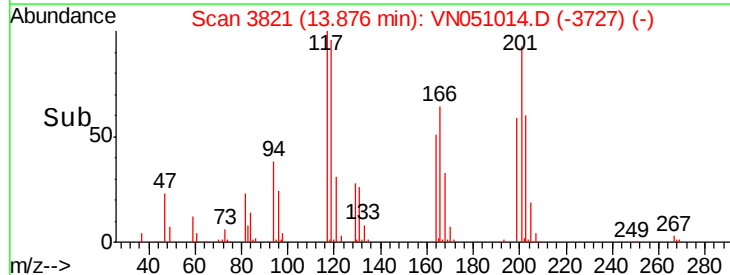
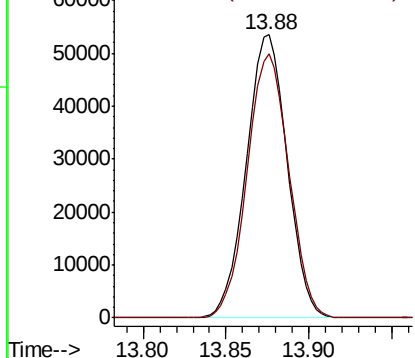


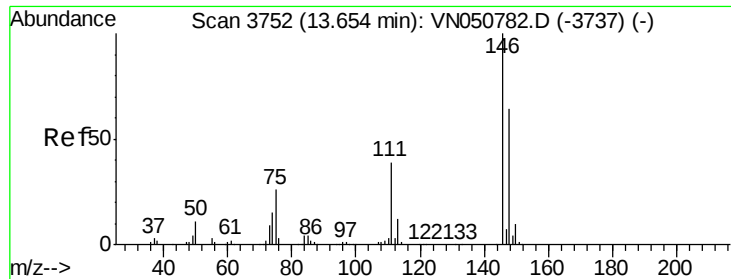
#90
Hexachloroethane
Concen: 20.79 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN051014.D
Acq: 4 Sep 2018 13:02

Tgt Ion: 117 Resp: 91776
Ion Ratio Lower Upper
117 100
201 94.8 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.52 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

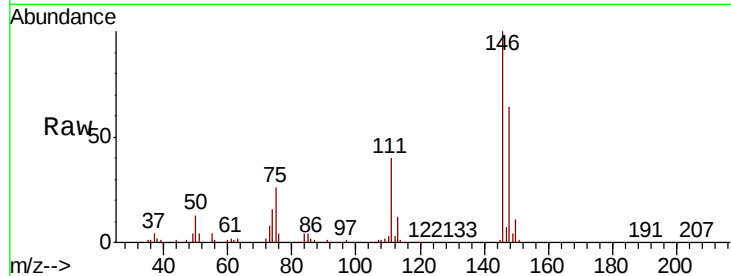
Tot Ion:146 Resp: 259107

Ion Ratio Lower Upper

146 100

111 39.4 19.8 59.3

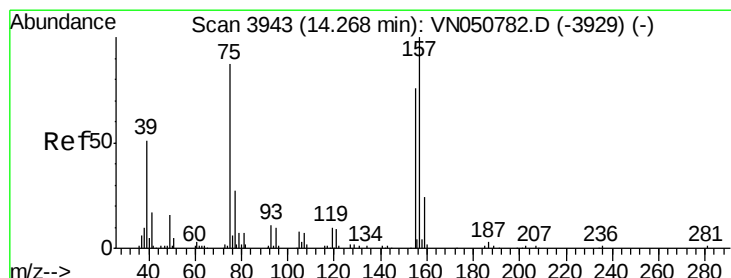
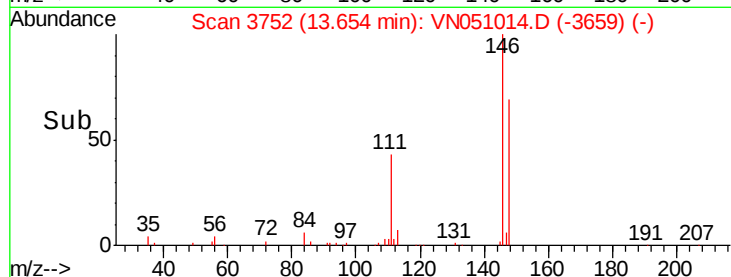
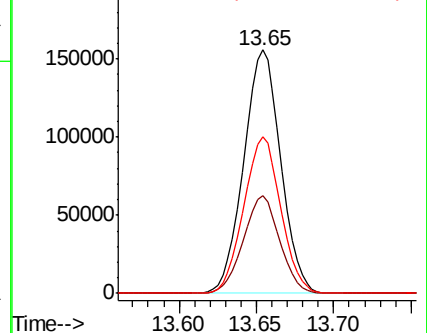
148 64.4 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.84 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

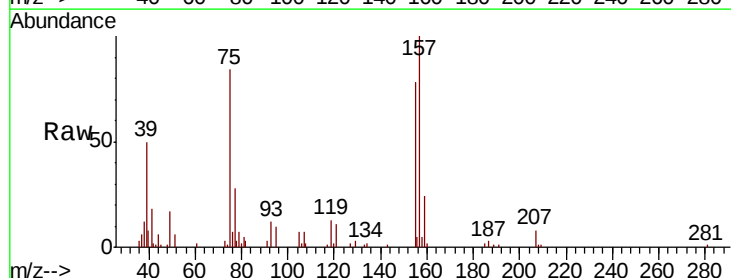
Tgt Ion: 75 Resp: 20192

Ion Ratio Lower Upper

75 100

155 95.7 46.4 139.1

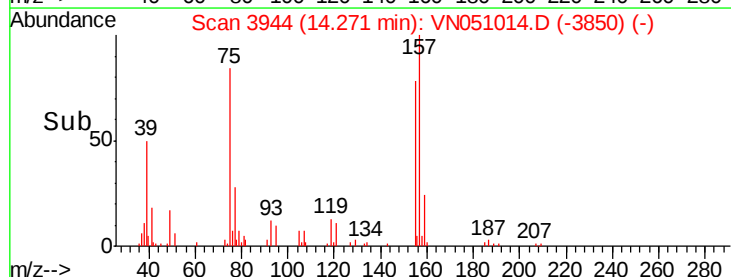
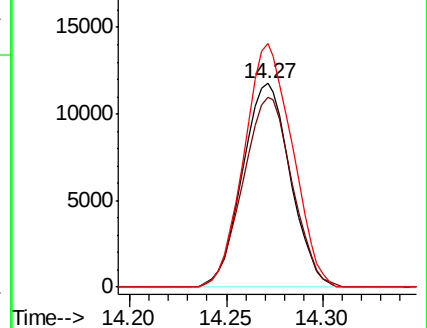
157 120.7 60.7 182.0

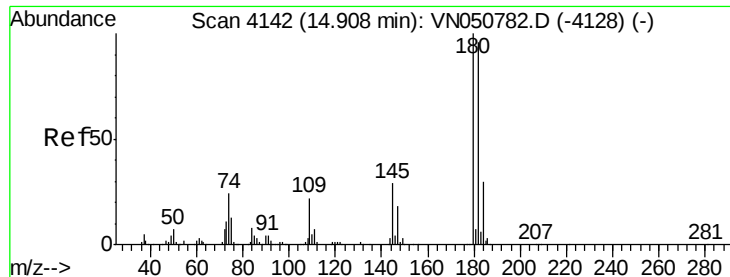


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

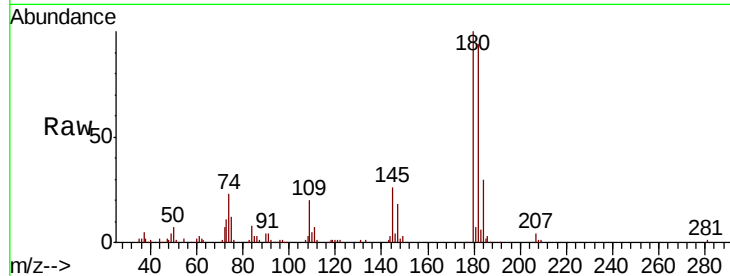




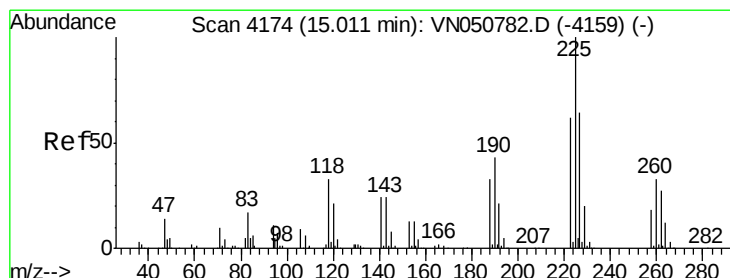
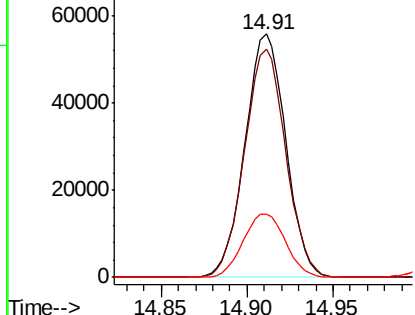
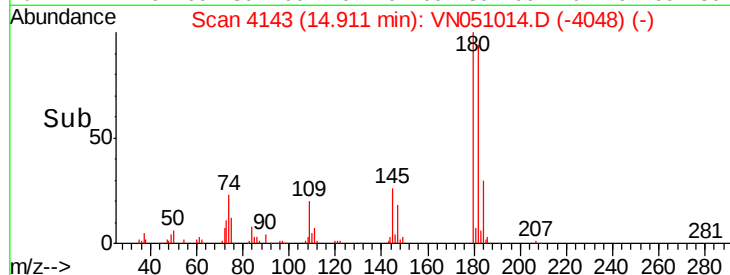
#93
 1,2,4-Trichlorobenzene
 Concen: 16.32 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD01

Tot Ion:180 Resp: 92005
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.2 144.6
 145 27.1 14.1 42.2

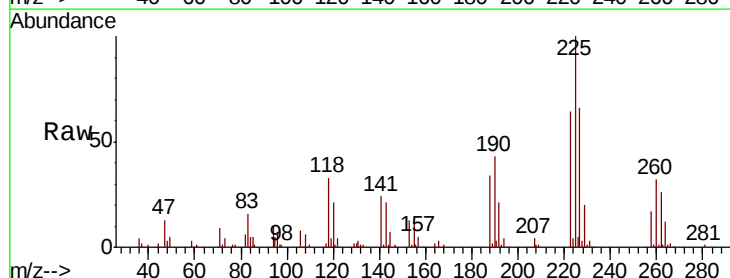


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

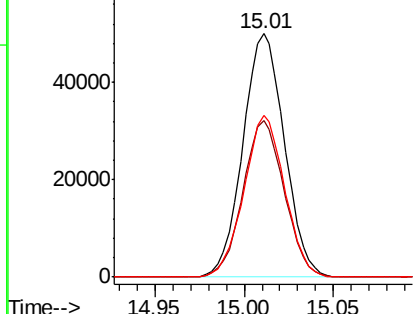
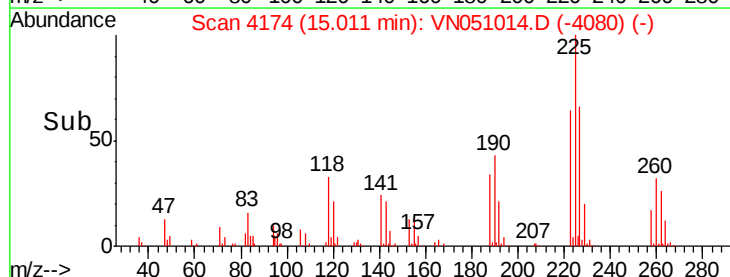


#94
 Hexachlorobutadiene
 Concen: 20.04 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN051014.D
 Acq: 4 Sep 2018 13:02

Tgt Ion:225 Resp: 81490
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.3 93.8
 227 65.0 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.02 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBSD01

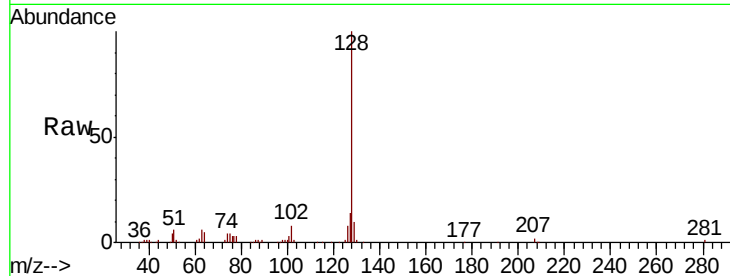
Tot Ion:128 Resp: 171416

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

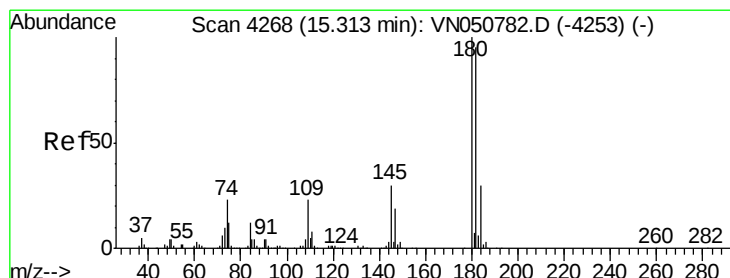
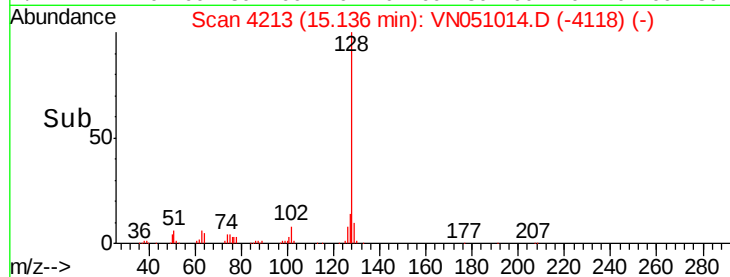
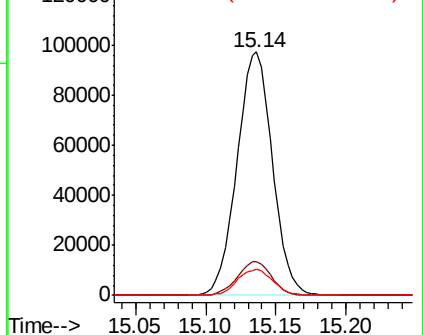
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.18 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN051014.D

Acq: 4 Sep 2018 13:02

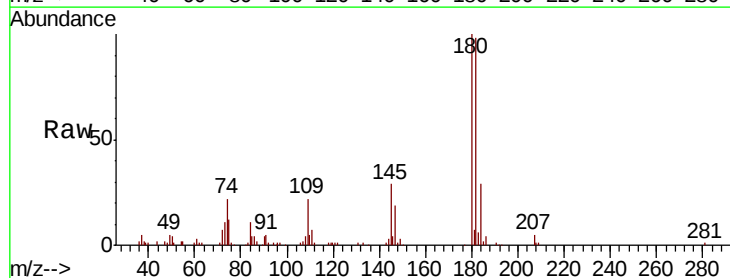
Tgt Ion:180 Resp: 96247

Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.2

145 29.9 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

