

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053677.D
 Acq On : 8 Feb 2019 13:17
 Operator : JC/SP
 Sample : VN0208WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBS01

Quant Time: Feb 09 02:34:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	618058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	999884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	867599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	411298	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	338393	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	7.59	113	326021	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
50) Toluene-d8	10.09	98	1180363	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	393882	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	138379	20.063	ug/l	98
3) Chloromethane	2.06	50	150978	20.576	ug/l	98
4) Vinyl Chloride	2.19	62	147373	20.690	ug/l	97
5) Bromomethane	2.57	94	110136	23.648	ug/l	97
6) Chloroethane	2.71	64	100657	24.729	ug/l	98
7) Trichlorofluoromethane	3.02	101	214362	22.193	ug/l	98
8) Diethyl Ether	3.41	74	74669	21.167	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127719	21.380	ug/l	100
10) Methyl Iodide	3.96	142	188154	20.067	ug/l	100
11) Tert butyl alcohol	4.78	59	43632	118.905	ug/l	96
12) 1,1-Dichloroethene	3.74	96	120789	21.104	ug/l	99
13) Acrolein	3.61	56	26047	130.373	ug/l	99
14) Allyl chloride	4.33	41	192174	21.088	ug/l	97
15) Acrylonitrile	4.99	53	234166	118.207	ug/l	99
16) Acetone	3.82	43	174996	110.033	ug/l	99
17) Carbon Disulfide	4.06	76	341152	19.143	ug/l	100
18) Methyl Acetate	4.33	43	113229	24.040	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	328086	22.613	ug/l	99
20) Methylene Chloride	4.55	84	143203	21.462	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	129015	20.894	ug/l	99
22) Diisopropyl ether	5.95	45	370666	21.952	ug/l	93
23) Vinyl Acetate	5.90	43	1294259	110.800	ug/l	100
24) 1,1-Dichloroethane	5.85	63	242689	21.549	ug/l	99
25) 2-Butanone	6.84	43	260704	114.936	ug/l	98
26) 2,2-Dichloropropane	6.82	77	177296	20.622	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	149898	21.832	ug/l	96
28) Bromochloromethane	7.20	49	100992	20.664	ug/l	96
29) Tetrahydrofuran	7.21	42	170898	117.333	ug/l	98
30) Chloroform	7.37	83	239606	21.462	ug/l	98
31) Cyclohexane	7.66	56	209738	19.900	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	200279	21.556	ug/l	99
36) 1,1-Dichloropropene	7.79	75	172444	19.132	ug/l	97
37) Ethyl Acetate	6.93	43	115496	22.943	ug/l	100
38) Carbon Tetrachloride	7.77	117	177350	19.532	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	195588	18.291	ug/l	99
40) Benzene	8.04	78	549978	19.787	ug/l	99
41) Methacrylonitrile	7.17	41	51516	18.310	ug/l #	78
42) 1,2-Dichloroethane	8.12	62	164861	19.976	ug/l	99
43) Isopropyl Acetate	8.17	43	204783	21.065	ug/l	97
44) Trichloroethene	8.84	130	152886	19.321	ug/l	98
45) 1,2-Dichloropropane	9.12	63	146423	20.596	ug/l	99
46) Dibromomethane	9.21	93	88397	20.627	ug/l	98
47) Bromodichloromethane	9.40	83	181250	20.341	ug/l	97
48) Methyl methacrylate	9.20	41	88807	19.137	ug/l	87
49) 1,4-Dioxane	9.20	88	28056	440.024	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	518036	108.438	ug/l	100
52) Toluene	10.16	92	331722	20.109	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	177649	19.910	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	207480	19.624	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	127837	21.506	ug/l	99
56) Ethyl methacrylate	10.43	69	148201	21.075	ug/l	98
57) 1,3-Dichloropropane	10.71	76	206736	20.350	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	363539	88.698	ug/l	99
59) 2-Hexanone	10.75	43	329945	101.736	ug/l	99
60) Dibromochloromethane	10.90	129	138064	20.597	ug/l	100
61) 1,2-Dibromoethane	11.01	107	118168	20.085	ug/l	100
64) Tetrachloroethene	10.63	164	143542	19.301	ug/l	99
65) Chlorobenzene	11.44	112	363386	19.718	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	133978	20.817	ug/l	99
67) Ethyl Benzene	11.51	91	602121	19.890	ug/l	100
68) m/p-Xylenes	11.62	106	469857	40.666	ug/l	99
69) o-Xylene	11.95	106	229834	20.590	ug/l	99
70) Styrene	11.96	104	371392	20.528	ug/l	99
71) Bromoform	12.13	173	95602	21.667	ug/l #	98
73) Isopropylbenzene	12.25	105	600219	20.759	ug/l	100
74) N-amyl acetate	12.07	43	148318	21.332	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	147300	21.287	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	176079	33.330	ug/l #	100
77) Bromobenzene	12.53	156	158722	20.369	ug/l	100
78) n-propylbenzene	12.59	91	691165	20.678	ug/l	100
79) 2-Chlorotoluene	12.68	91	409575	20.654	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	513054	21.398	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37025	19.707	ug/l	97
82) 4-Chlorotoluene	12.77	91	409063	20.103	ug/l	99
83) tert-Butylbenzene	12.99	119	446848	21.087	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	517639	21.191	ug/l	99
85) sec-Butylbenzene	13.17	105	620405	21.514	ug/l	100
86) p-Isopropyltoluene	13.29	119	532355	21.108	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	279478	19.951	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	271398	19.586	ug/l	98
89) n-Butylbenzene	13.61	91	441297	20.215	ug/l	99
90) Hexachloroethane	13.87	117	90634	21.787	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	272515	20.321	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21881	22.187	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

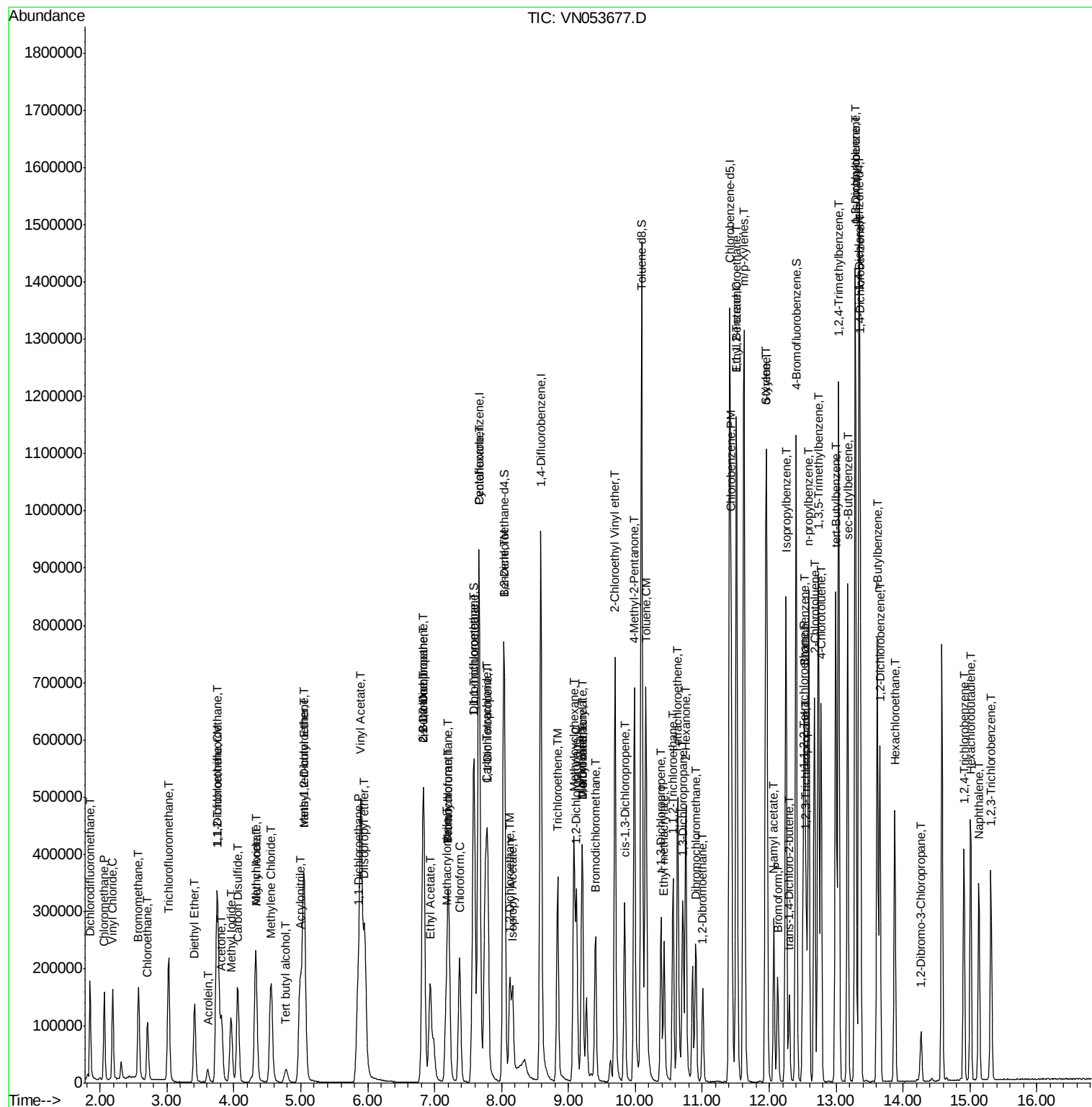
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144797	18.826	ug/l	98
94) Hexachlorobutadiene	15.01	225	102393	21.377	ug/l	99
95) Naphthalene	15.13	128	303844	17.969	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140646	19.708	ug/l	100

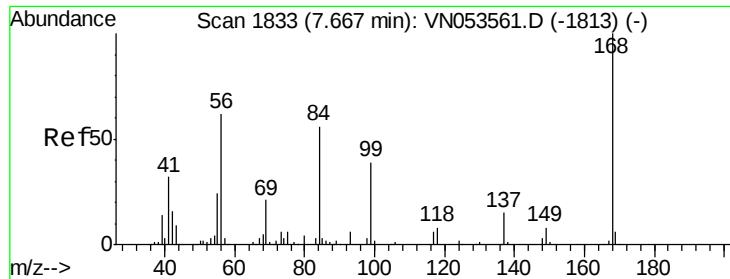
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

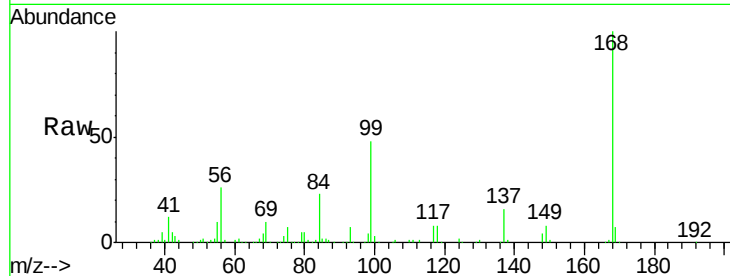
VN0208WBS01

Tot Ion:168 Resp: 618058

Ion Ratio Lower Upper

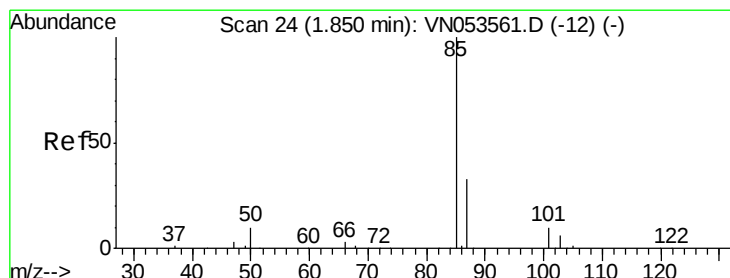
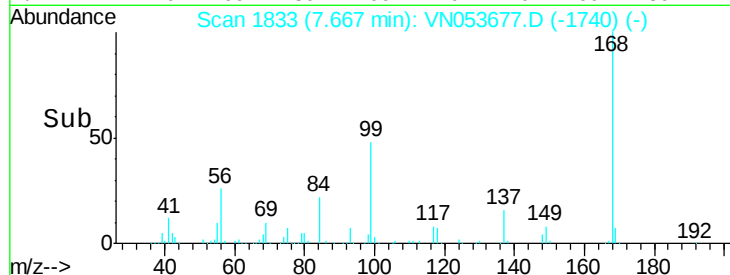
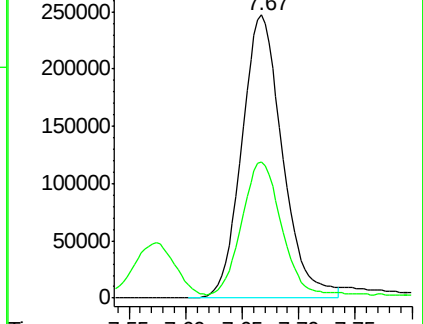
168 100

99 46.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.063 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053677.D

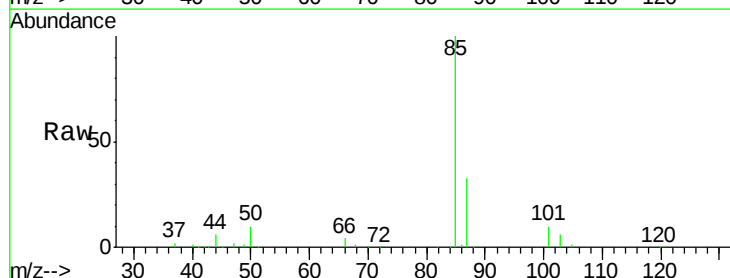
Acq: 8 Feb 2019 13:17

Tgt Ion: 85 Resp: 138379

Ion Ratio Lower Upper

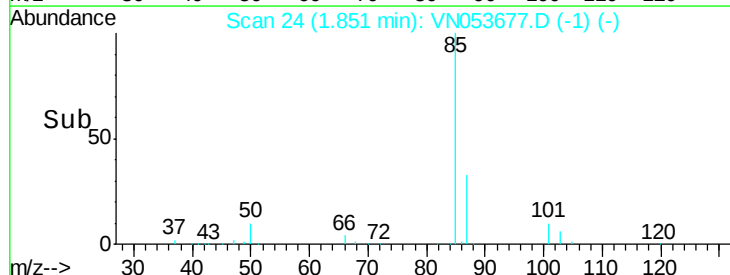
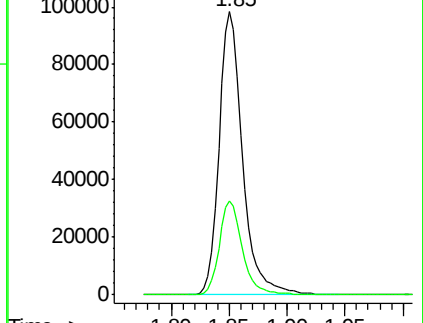
85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

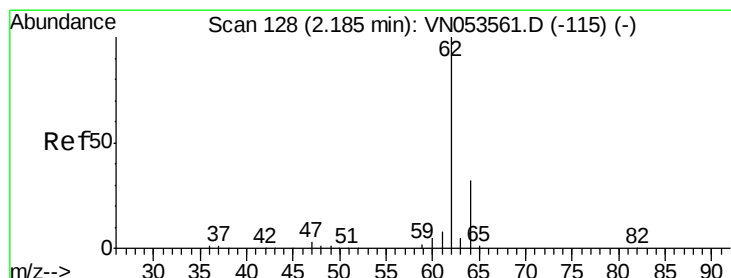
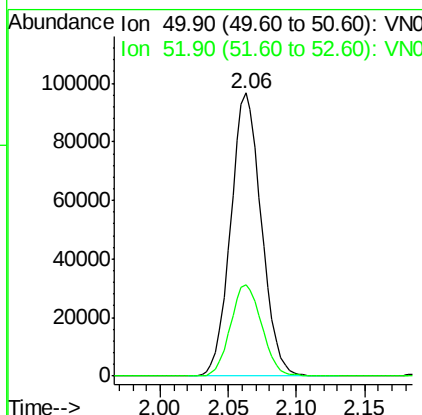
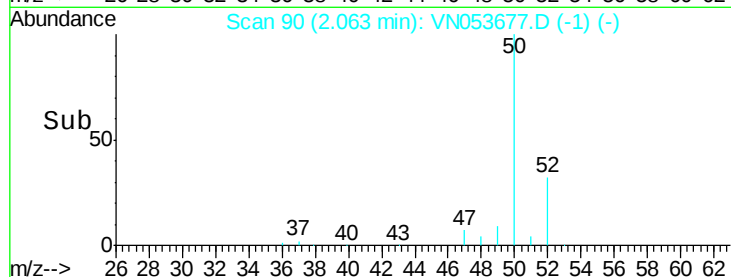
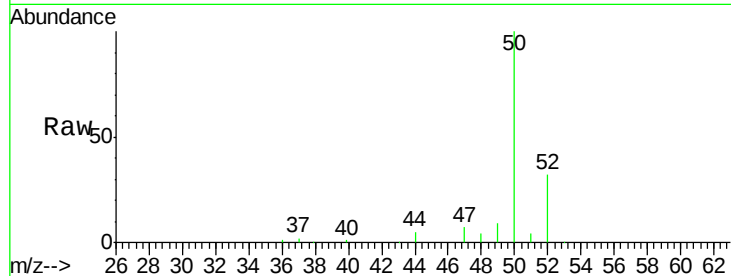




#3
 Chloromethane
 Concen: 20.576 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.01 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

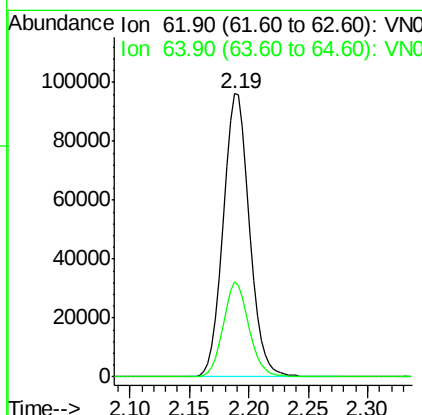
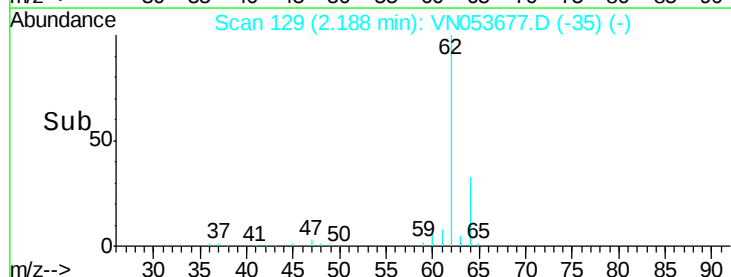
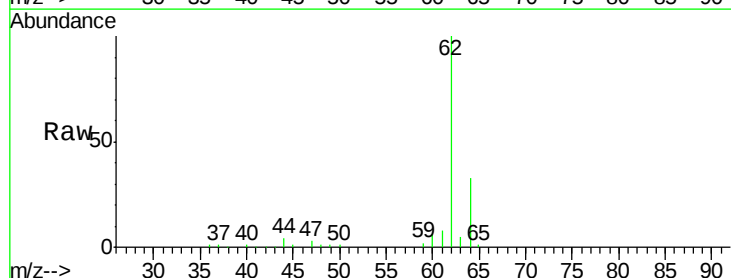
Instrument :
 MSVOA_N
 ClientSampled :
 VN0208WBS01

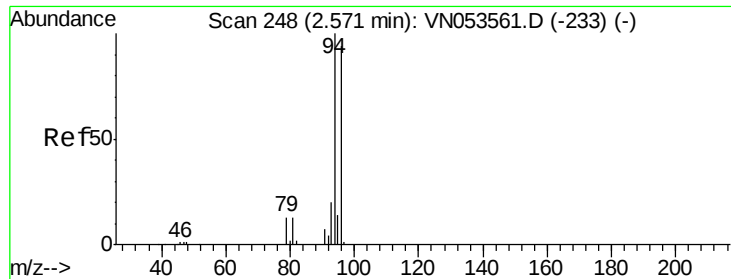
Tot Ion: 50 Resp: 150978
 Ion Ratio Lower Upper
 50 100
 52 32.4 26.6 40.0



#4
 Vinyl Chloride
 Concen: 20.690 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Tgt Ion: 62 Resp: 147373
 Ion Ratio Lower Upper
 62 100
 64 33.5 25.4 38.2





#5

Bromomethane

Concen: 23.648 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

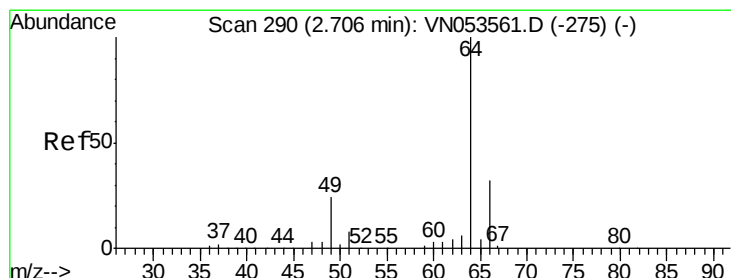
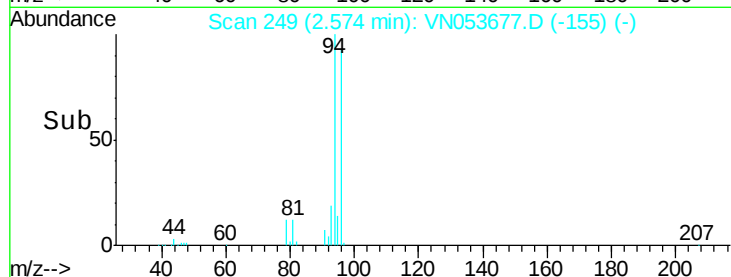
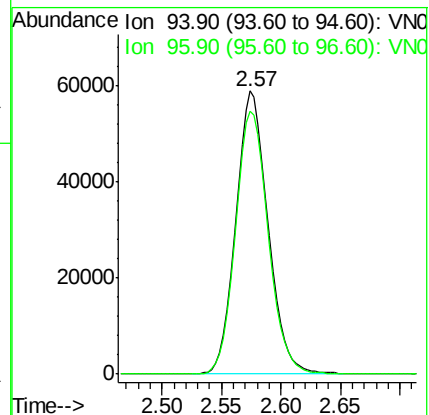
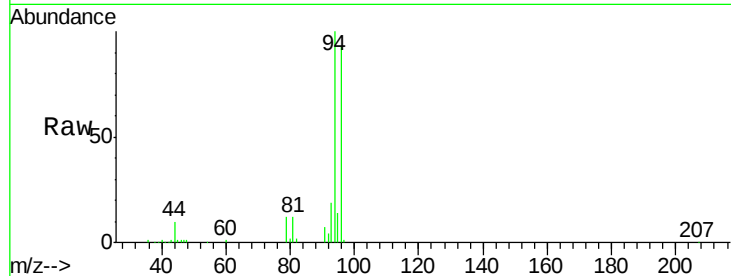
VN0208WBS01

Tot Ion: 94 Resp: 110136

Ion Ratio Lower Upper

94 100

96 93.1 76.8 115.2



#6

Chloroethane

Concen: 24.729 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053677.D

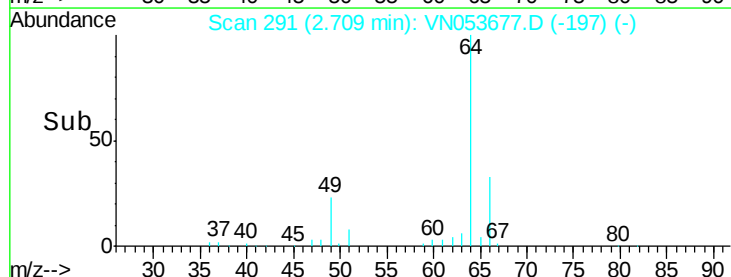
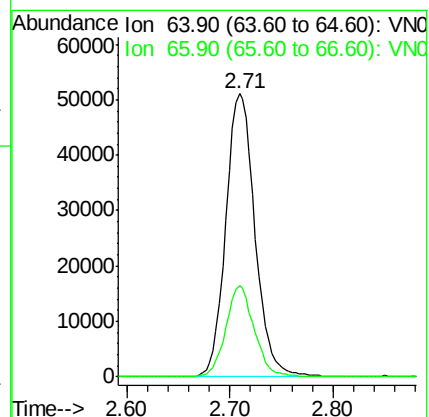
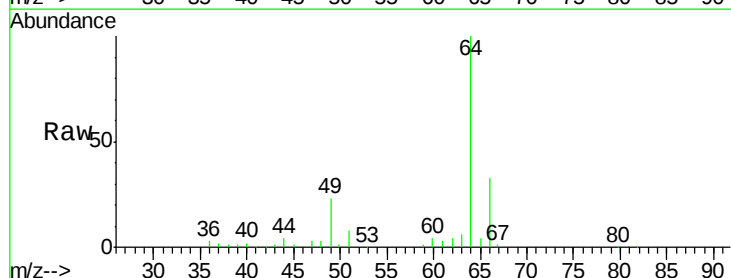
Acq: 8 Feb 2019 13:17

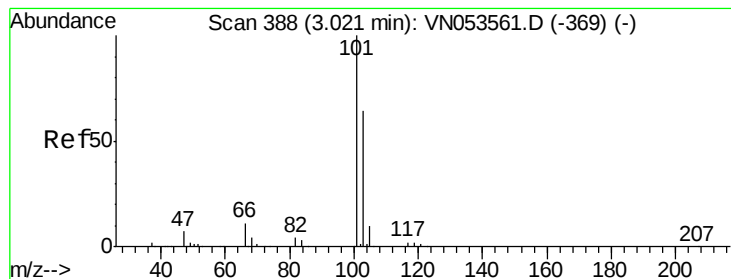
Tgt Ion: 64 Resp: 100657

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7



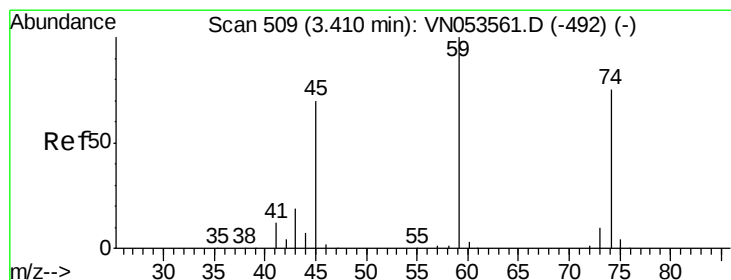
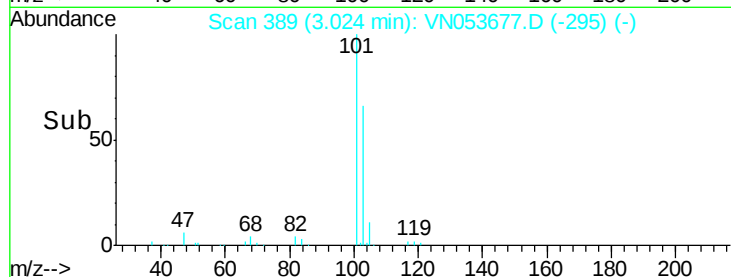
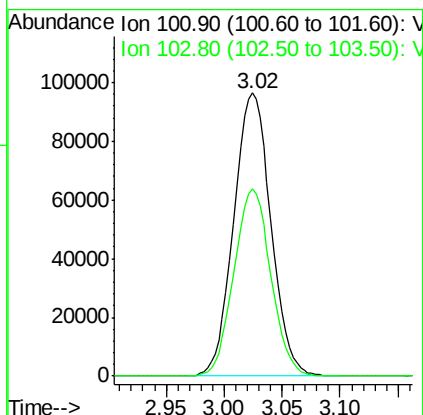
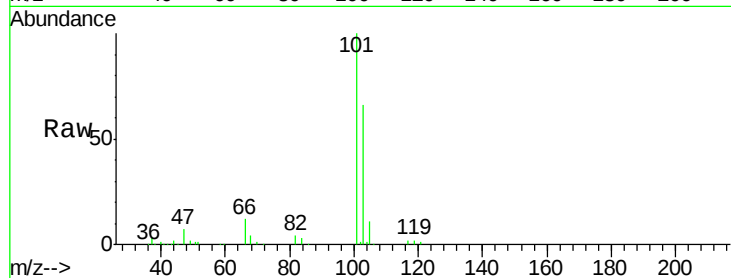


#7

Trichlorofluoromethane
Concen: 22.193 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0208WBS01

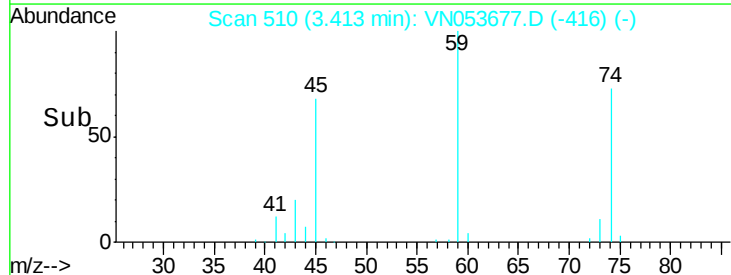
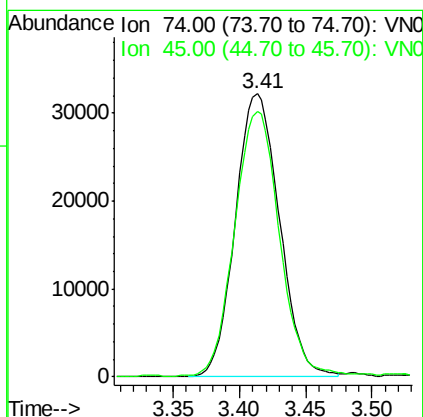
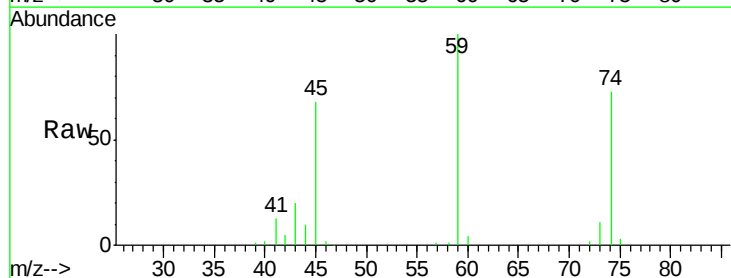
Tot Ion:101 Resp: 214362
Ion Ratio Lower Upper
101 100
103 66.0 51.6 77.4

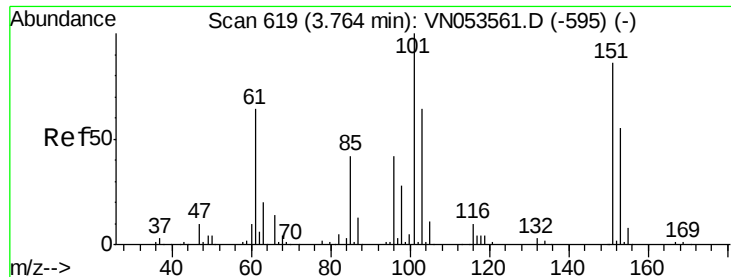


#8

Diethyl Ether
Concen: 21.167 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion: 74 Resp: 74669
Ion Ratio Lower Upper
74 100
45 96.2 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.380 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBS01

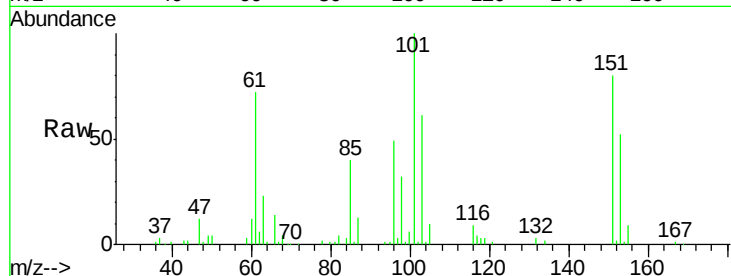
Tot Ion:101 Resp: 127719

Ion Ratio Lower Upper

101 100

85 41.2 32.8 49.2

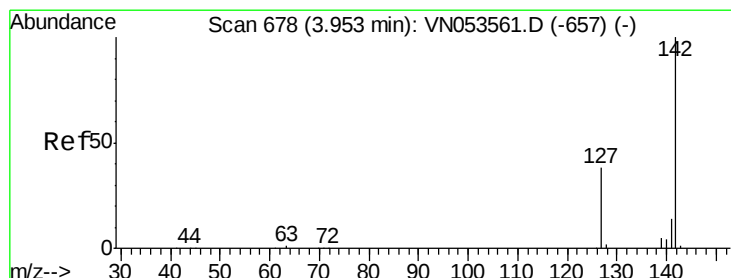
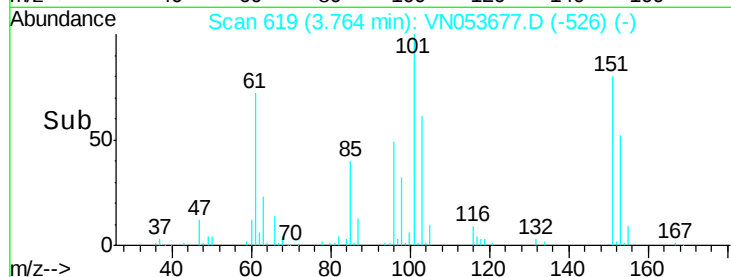
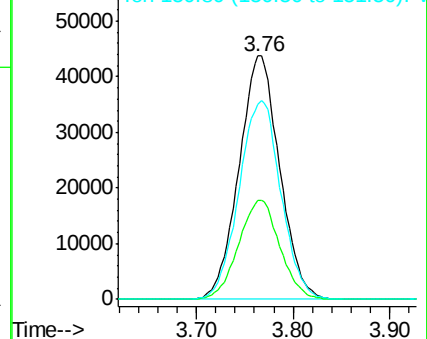
151 84.0 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.067 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

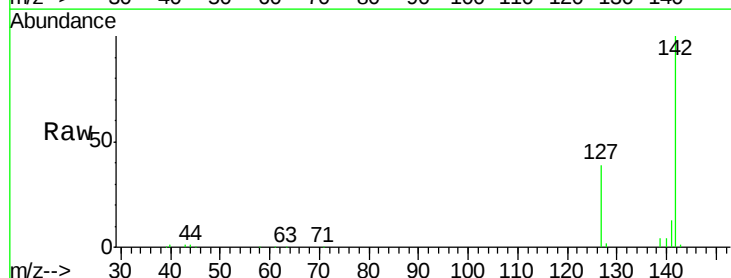
Tgt Ion:142 Resp: 188154

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

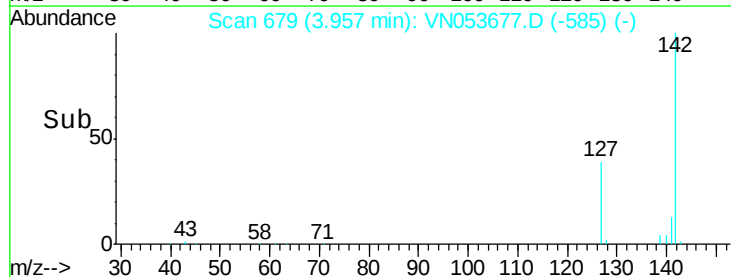
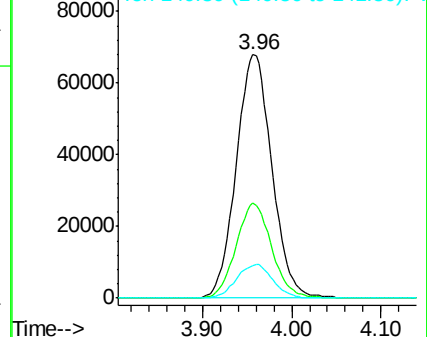
141 14.1 11.1 16.7

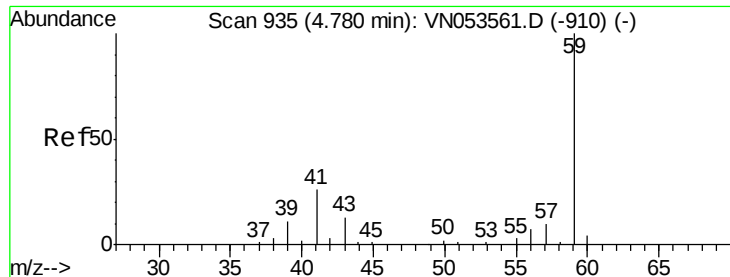


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

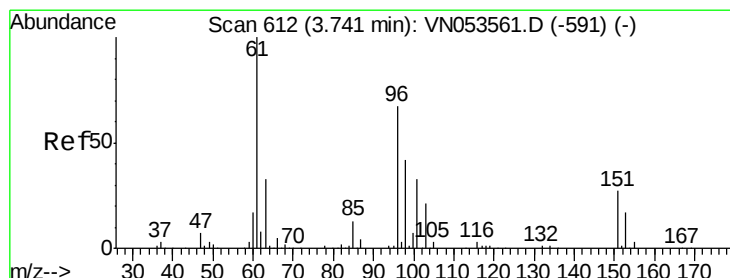
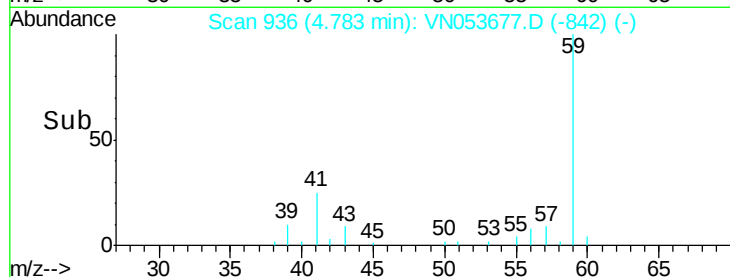
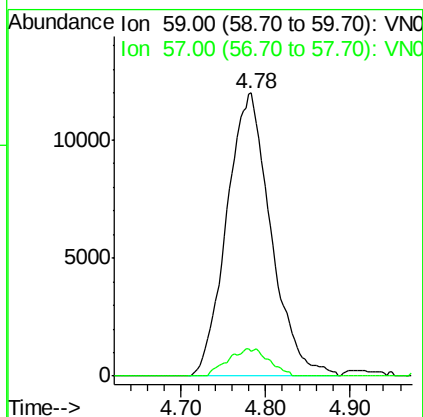
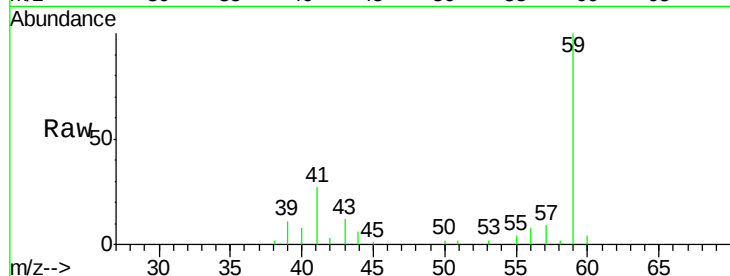




#11
Tert butyl alcohol
Concen: 118.905 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

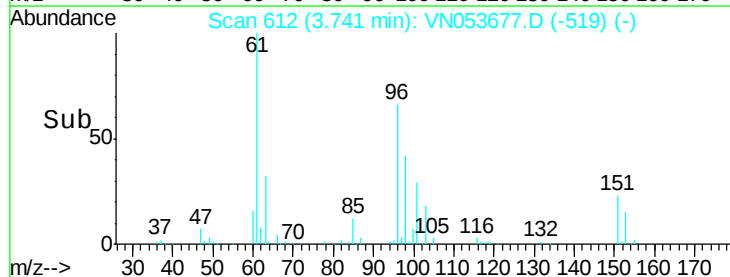
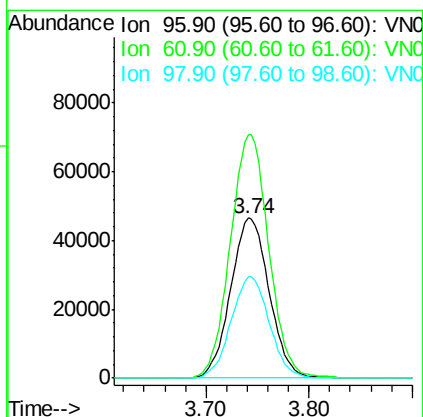
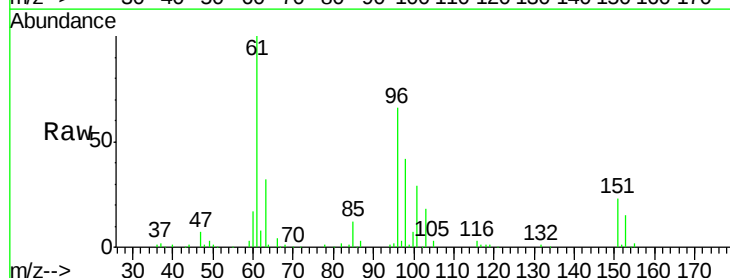
Instrument :
MSVOA_N
ClientSampled :
VN0208WBS01

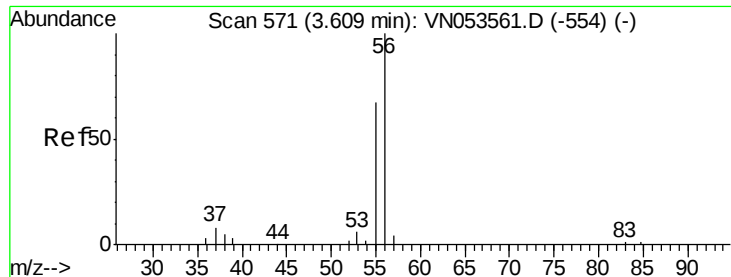
Tot Ion: 59 Resp: 43632
Ion Ratio Lower Upper
59 100
57 9.0 8.2 12.4



#12
1,1-Dichloroethene
Concen: 21.104 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion: 96 Resp: 120789
Ion Ratio Lower Upper
96 100
61 152.2 122.9 184.3
98 63.5 49.4 74.0





#13

Acrolein

Concen: 130.373 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

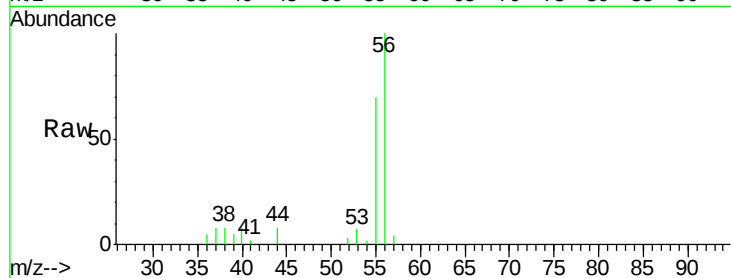
VN0208WBS01

Tot Ion: 56 Resp: 26047

Ion Ratio Lower Upper

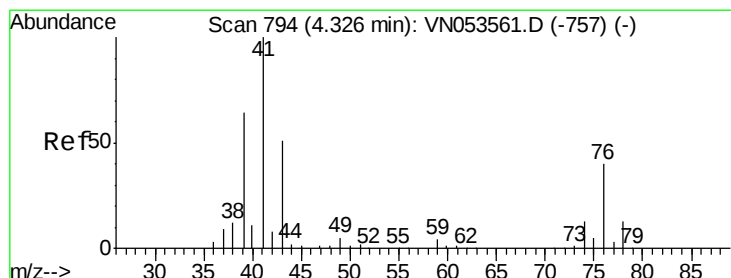
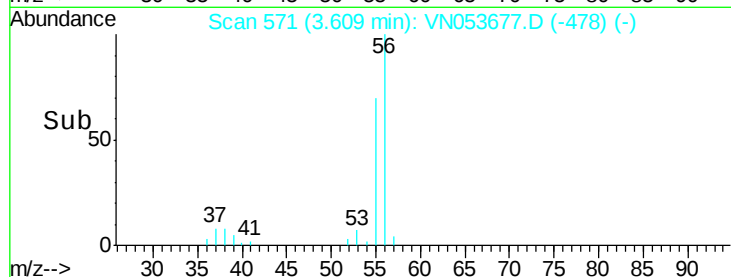
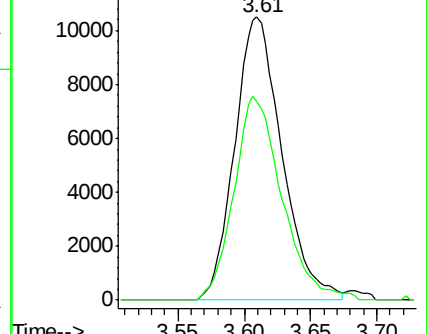
56 100

55 72.9 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.088 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

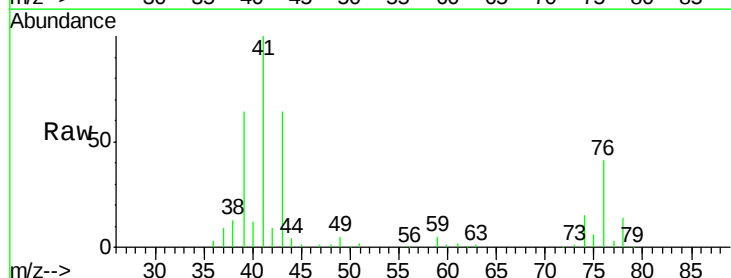
Tgt Ion: 41 Resp: 192174

Ion Ratio Lower Upper

41 100

39 58.3 48.9 73.3

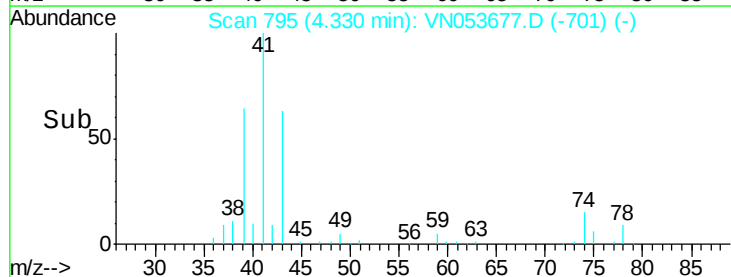
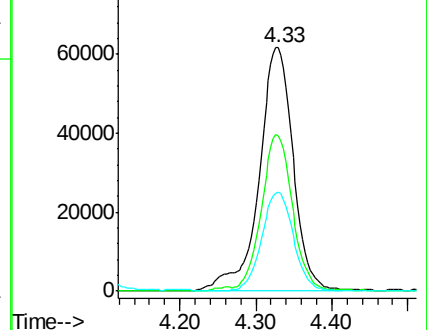
76 38.0 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 118.207 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0208WBS01

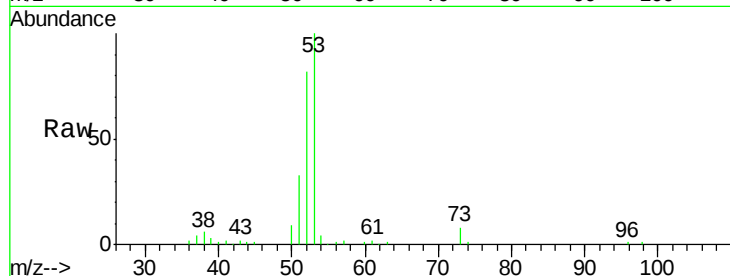
Tot Ion: 53 Resp: 234166

Ion Ratio Lower Upper

53 100

52 82.0 66.0 99.0

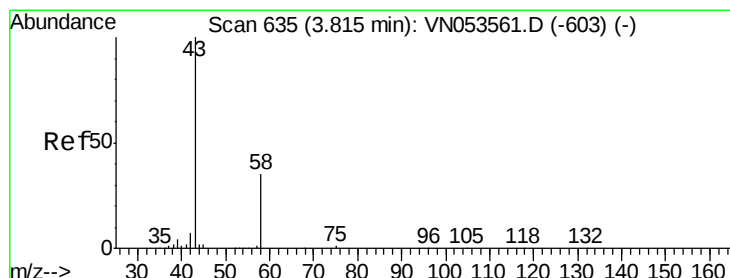
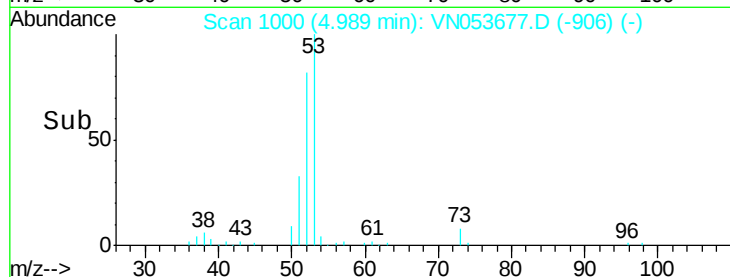
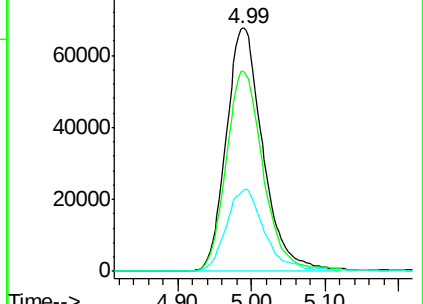
51 34.8 28.3 42.5



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: 110.033 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053677.D

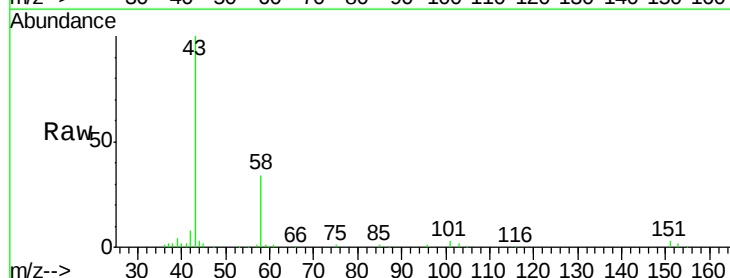
Acq: 8 Feb 2019 13:17

Tgt Ion: 43 Resp: 174996

Ion Ratio Lower Upper

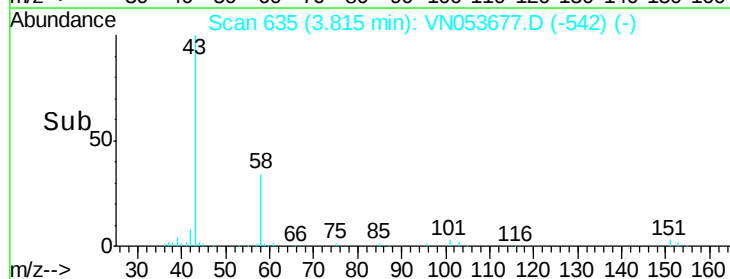
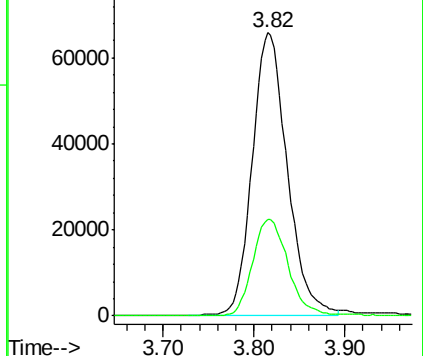
43 100

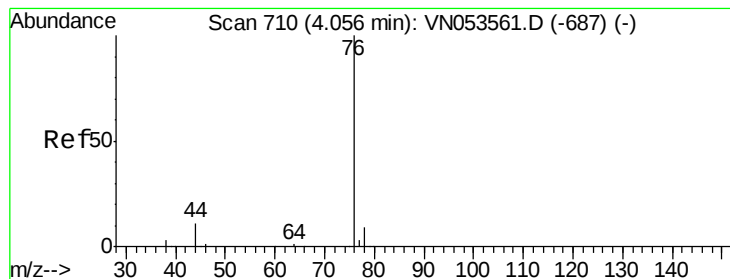
58 34.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.143 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

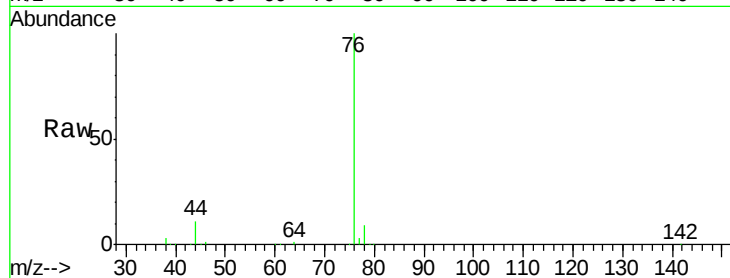
VN0208WBS01

Tot Ion: 76 Resp: 341152

Ion Ratio Lower Upper

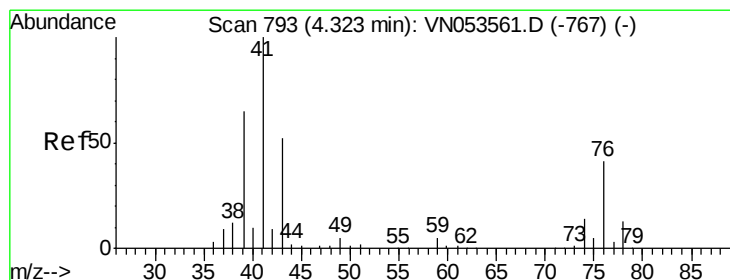
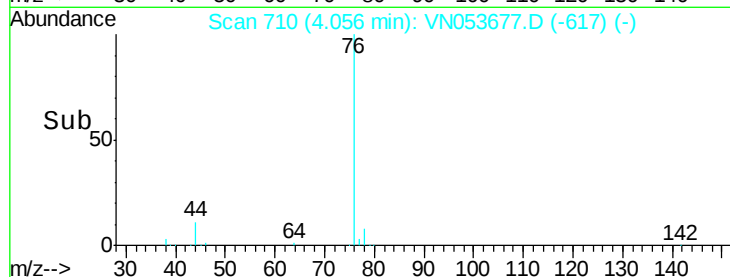
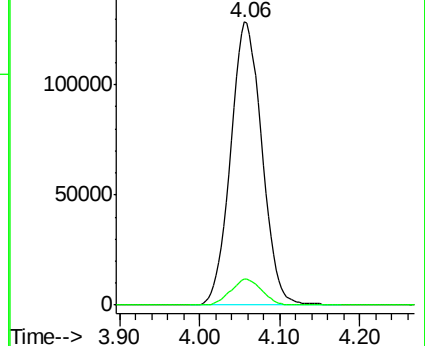
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 24.040 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053677.D

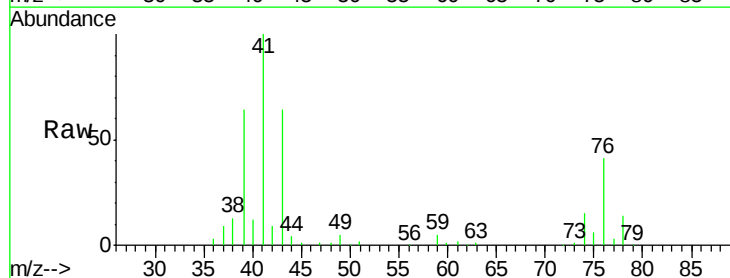
Acq: 8 Feb 2019 13:17

Tgt Ion: 43 Resp: 113229

Ion Ratio Lower Upper

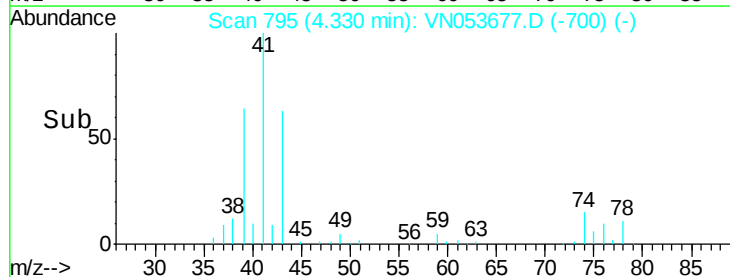
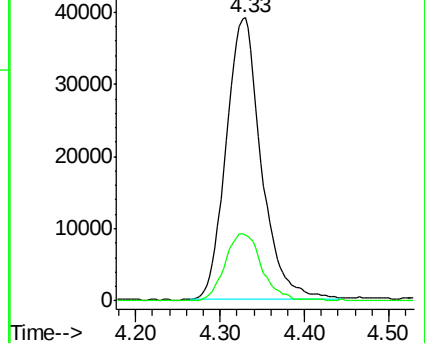
43 100

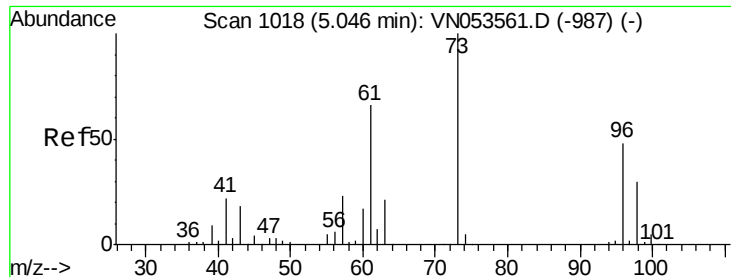
74 25.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

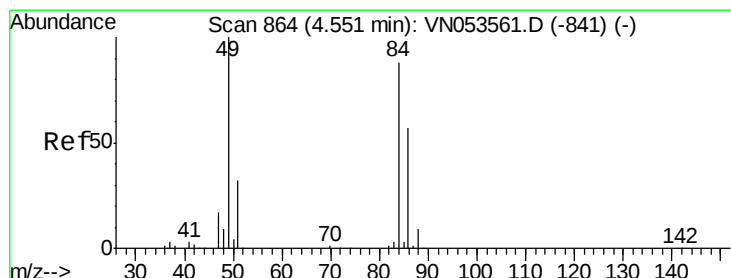
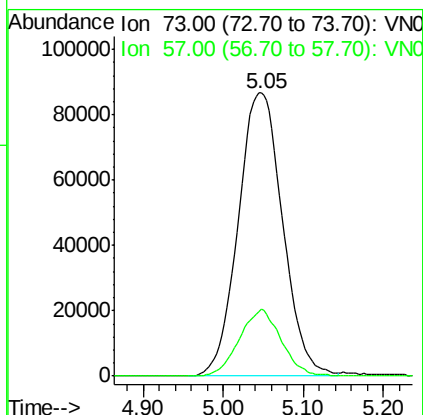
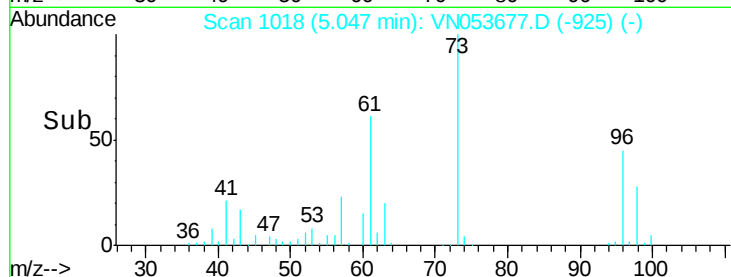
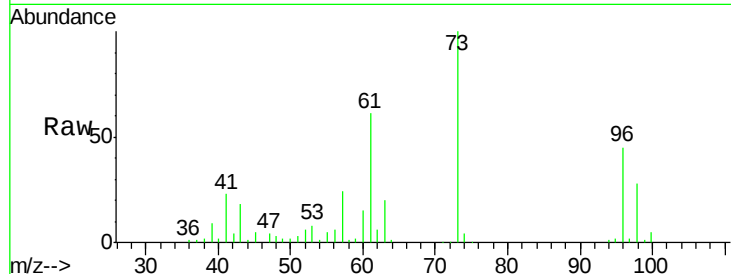




#19
Methyl tert-butyl Ether
Concen: 22.613 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

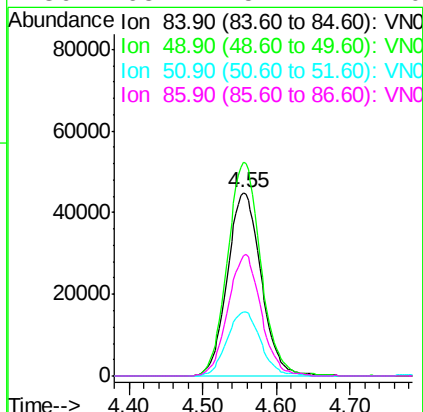
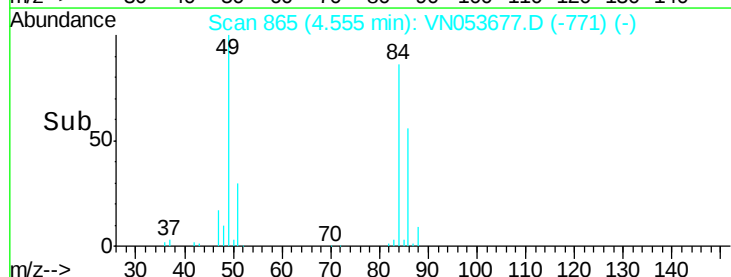
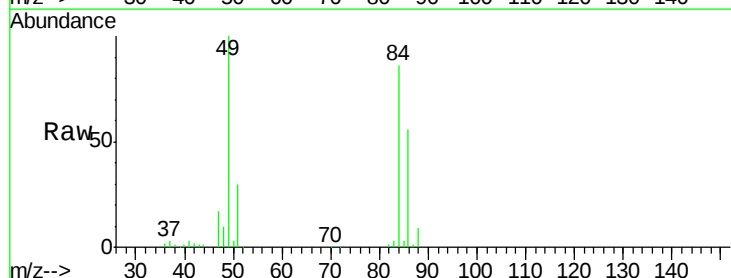
Instrument :
MSVOA_N
ClientSampled :
VN0208WBS01

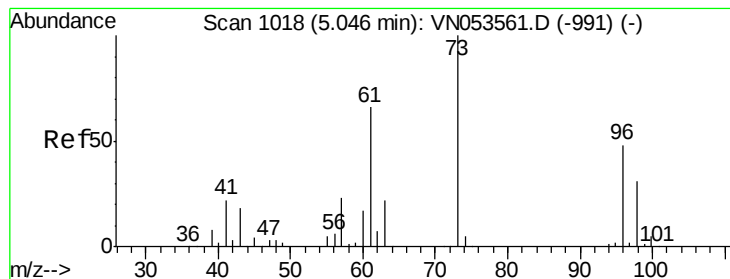
Tot Ion: 73 Resp: 328086
Ion Ratio Lower Upper
73 100
57 23.6 18.3 27.5



#20
Methylene Chloride
Concen: 21.462 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion: 84 Resp: 143203
Ion Ratio Lower Upper
84 100
49 116.3 94.3 141.5
51 34.7 29.4 44.2
86 65.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.894 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBS01

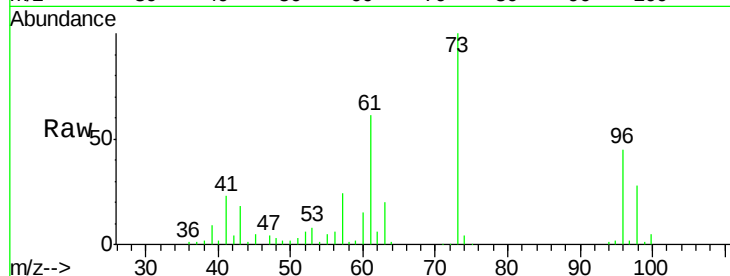
Tot Ion: 96 Resp: 129015

Ion Ratio Lower Upper

96 100

61 136.1 110.1 165.1

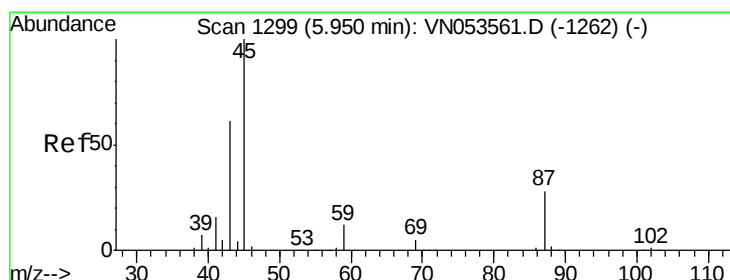
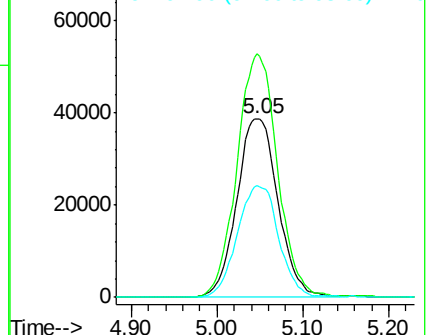
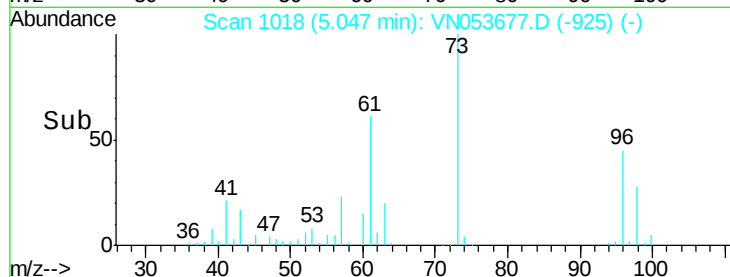
98 62.7 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.952 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Tgt Ion: 45 Resp: 370666

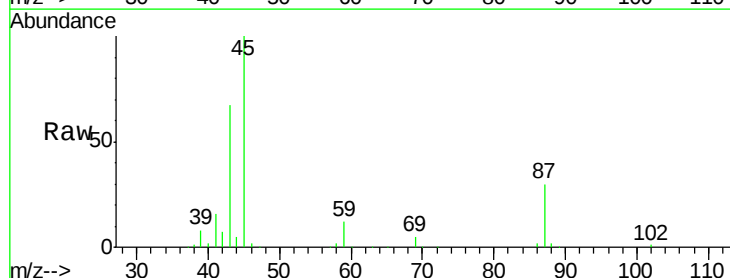
Ion Ratio Lower Upper

45 100

43 64.0 44.2 66.4

87 29.2 22.7 34.1

59 11.9 9.4 14.2

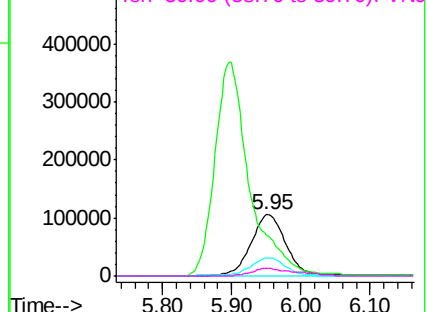
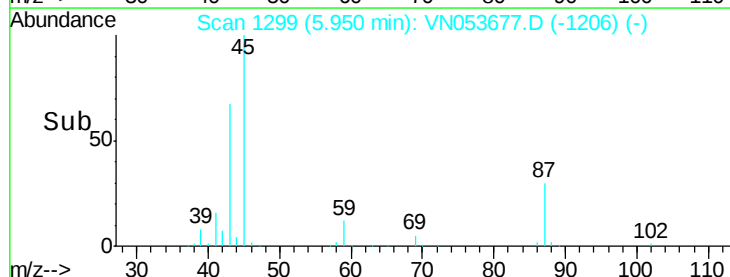


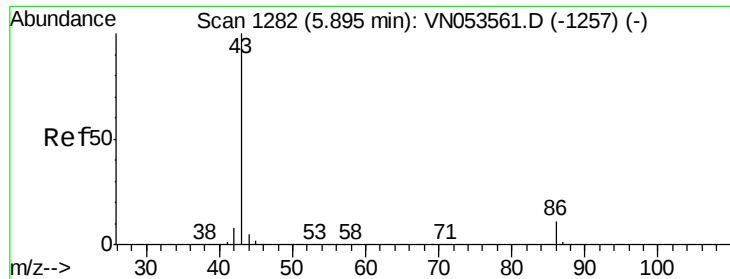
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

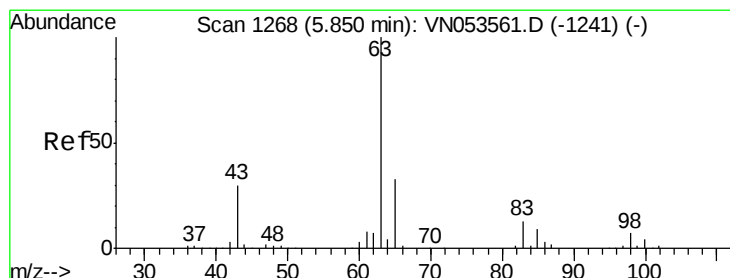
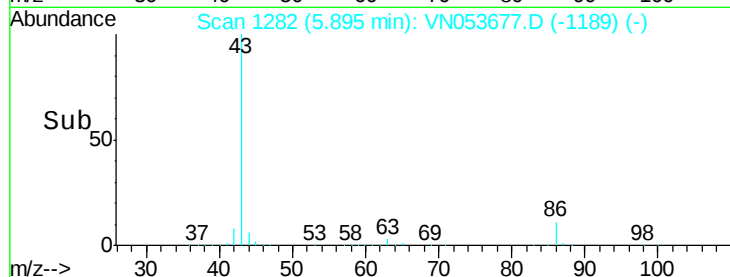
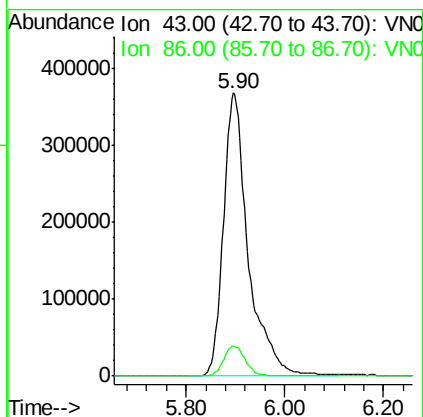
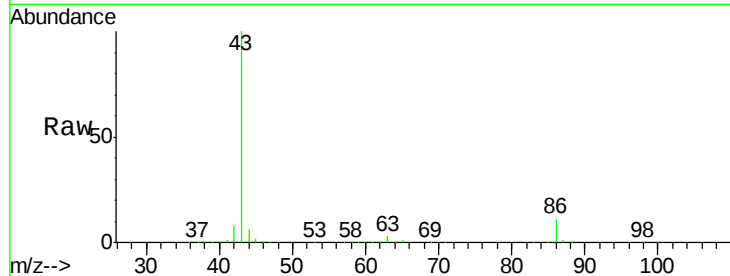




#23
 Vinyl Acetate
 Concen: 110.800 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

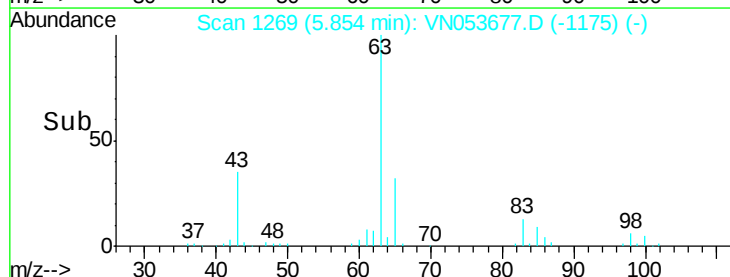
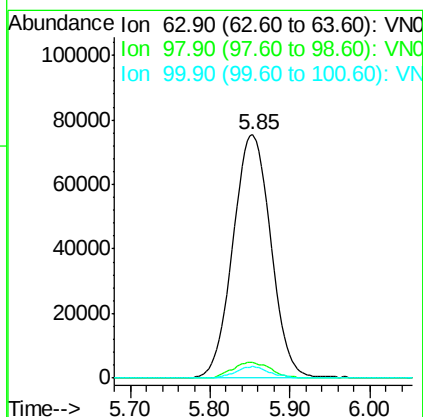
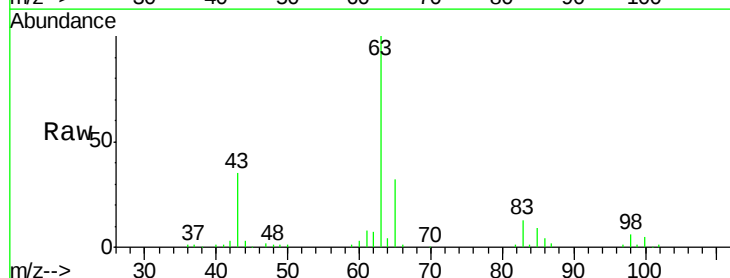
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBS01

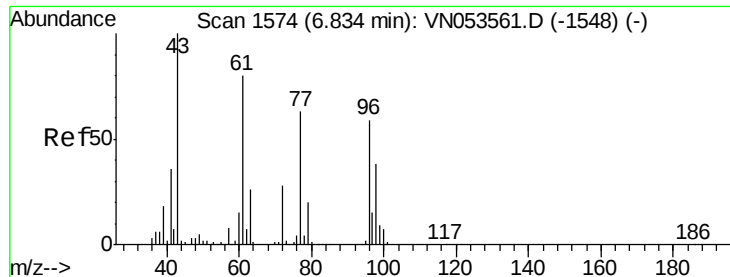
Tot Ion: 43 Resp: 1294259
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 21.549 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Tgt Ion: 63 Resp: 242689
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.9
 100 4.7 2.1 6.5





#25

2-Butanone

Concen: 114.936 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

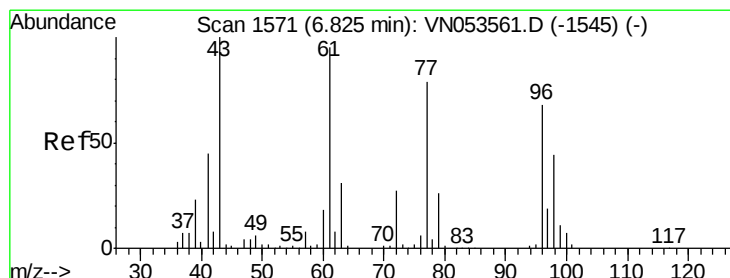
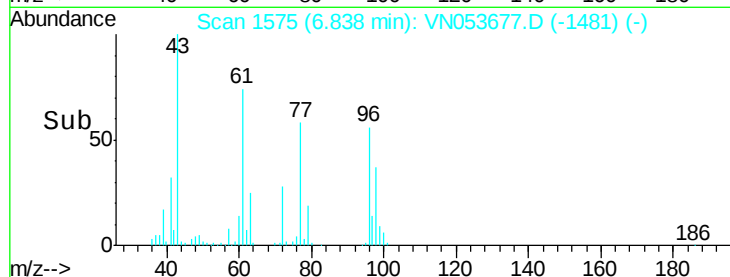
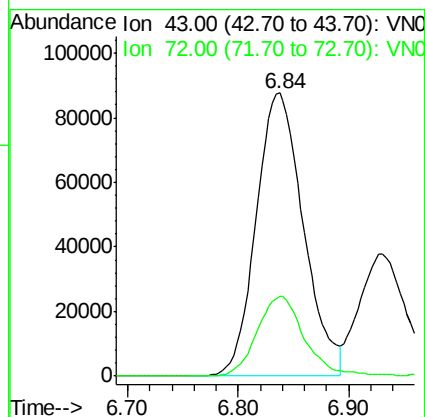
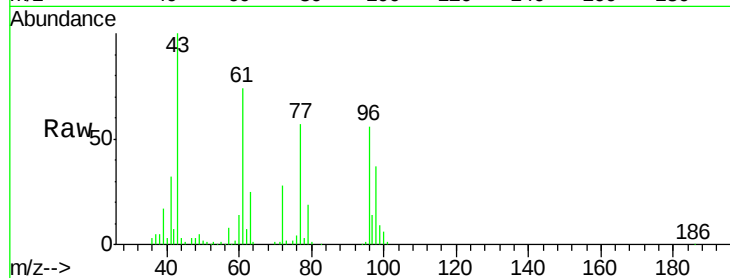
VN0208WBS01

Tot Ion: 43 Resp: 260704

Ion Ratio Lower Upper

43 100

72 28.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.622 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053677.D

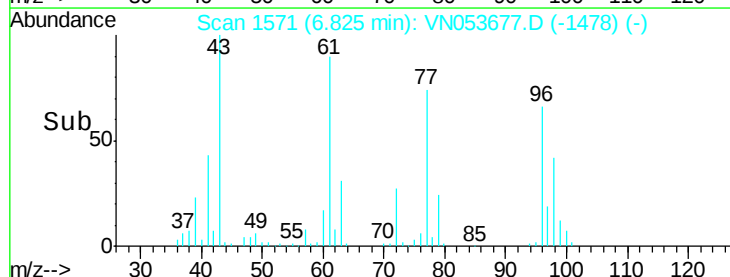
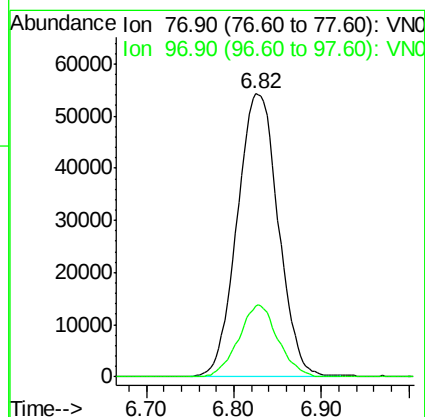
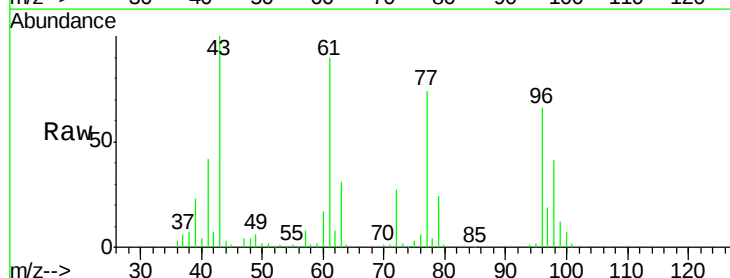
Acq: 8 Feb 2019 13:17

Tgt Ion: 77 Resp: 177296

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.832 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBS01

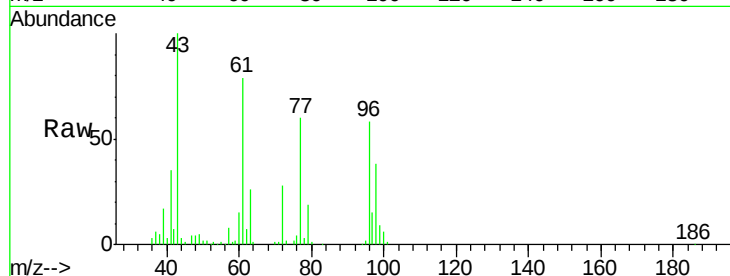
Tot Ion: 96 Resp: 149898

Ion Ratio Lower Upper

96 100

61 135.8 0.0 283.8

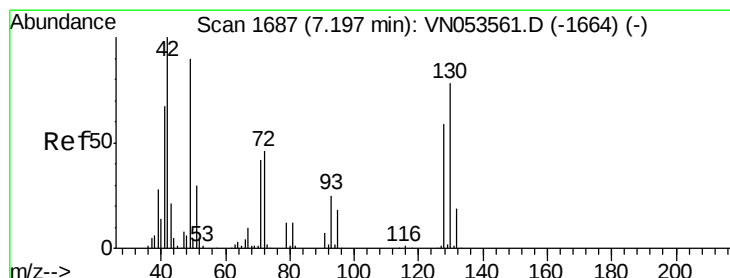
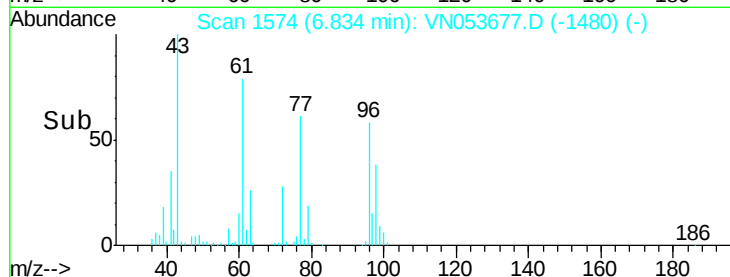
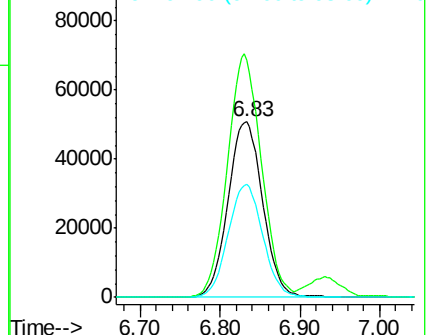
98 64.3 0.0 129.2



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: 20.664 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

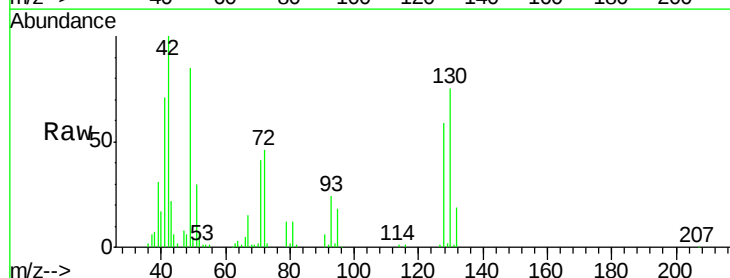
Tgt Ion: 49 Resp: 100992

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

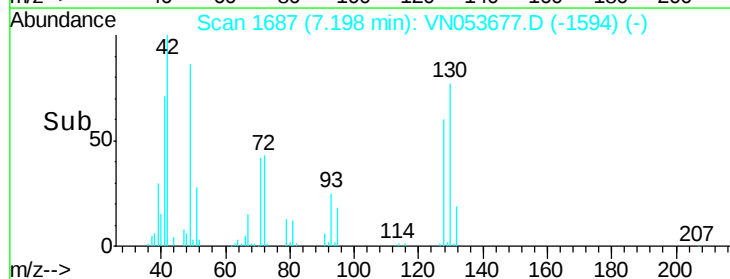
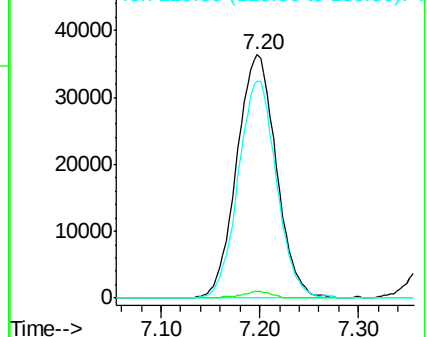
130 86.2 66.3 99.5

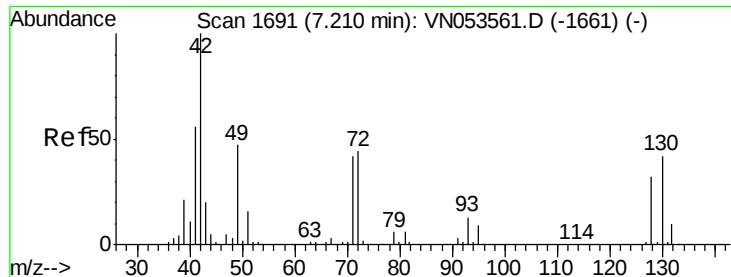


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

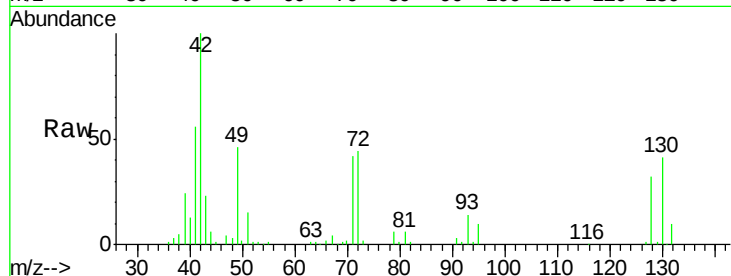




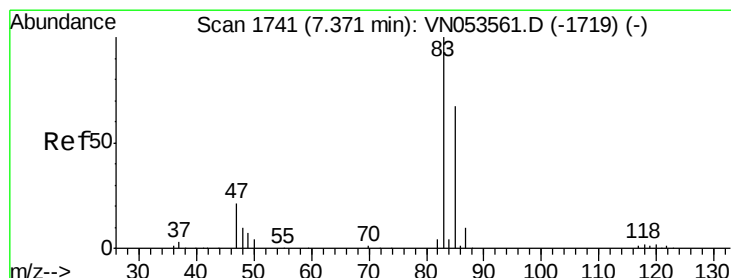
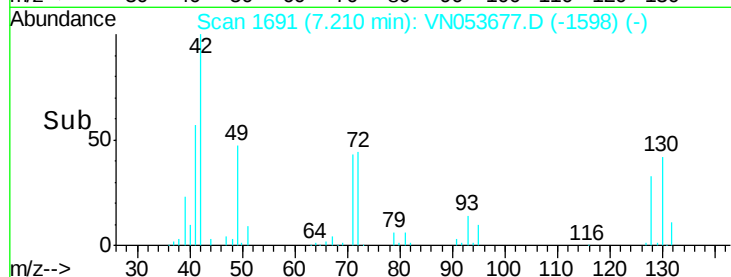
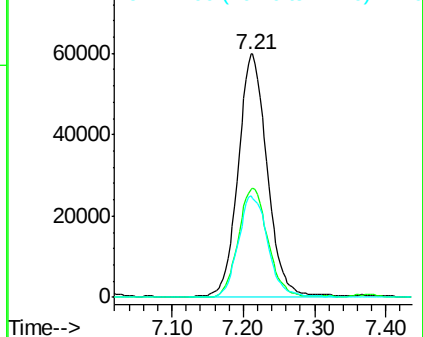
#29
Tetrahydrofuran
Concen: 117.333 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0208WBS01

Tot Ion: 42 Resp: 170898
Ion Ratio Lower Upper
42 100
72 45.2 35.2 52.8
71 42.4 33.0 49.4

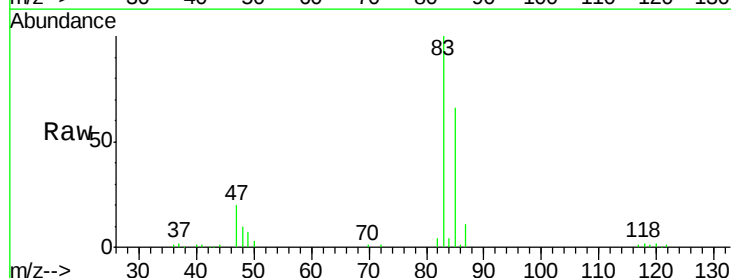


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

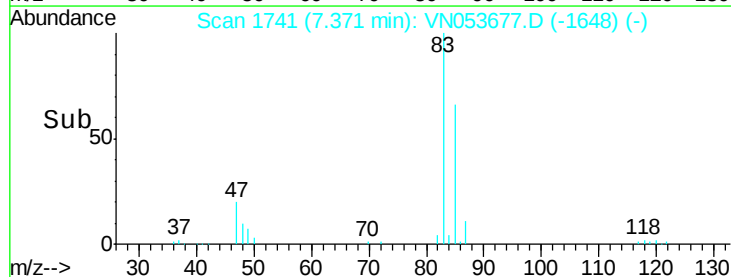
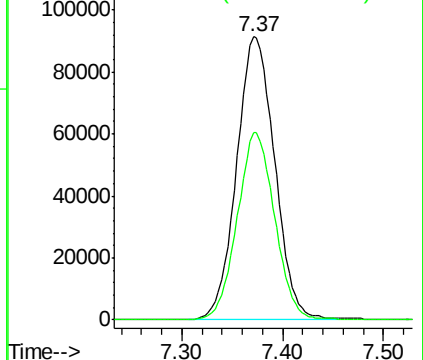


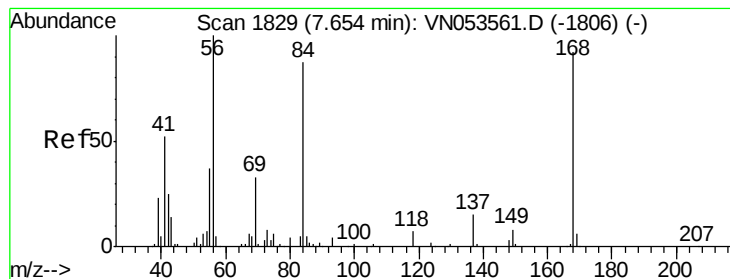
#30
Chloroform
Concen: 21.462 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion: 83 Resp: 239606
Ion Ratio Lower Upper
83 100
85 66.4 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.900 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0208WBS01

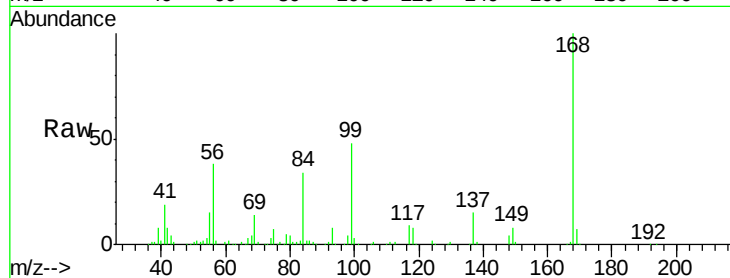
Tot Ion: 56 Resp: 209738

Ion Ratio Lower Upper

56 100

69 36.5 26.4 39.6

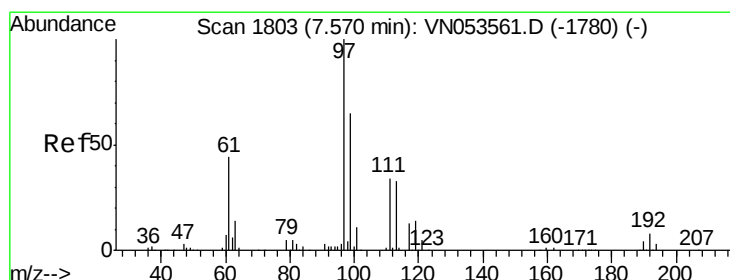
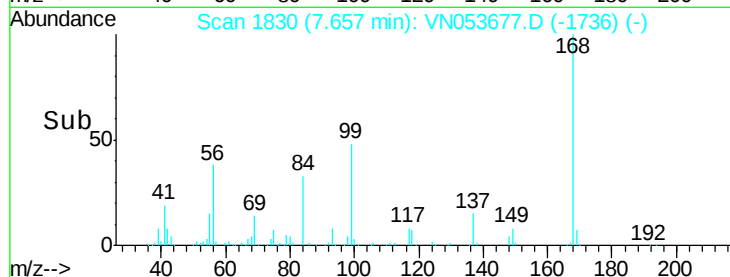
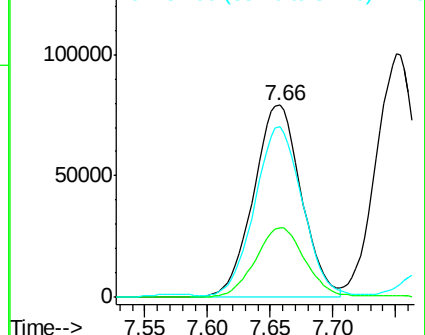
84 87.3 67.9 101.9



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: 21.556 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

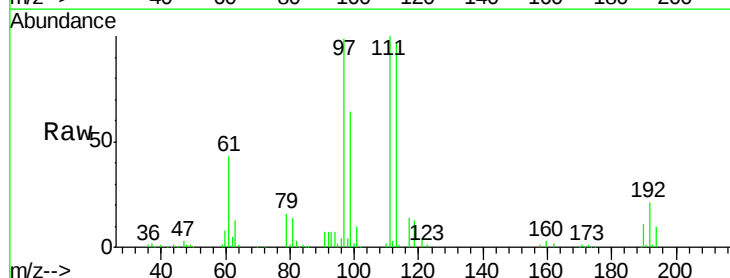
Tgt Ion: 97 Resp: 200279

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

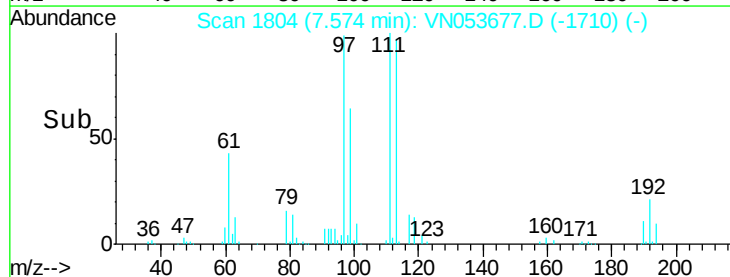
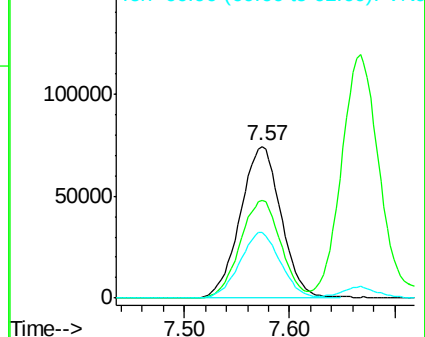
61 43.0 34.4 51.6

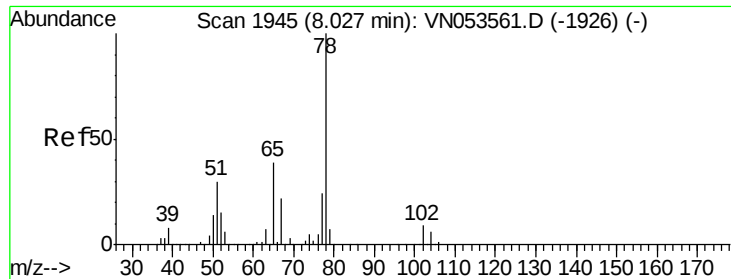


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 21.556 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

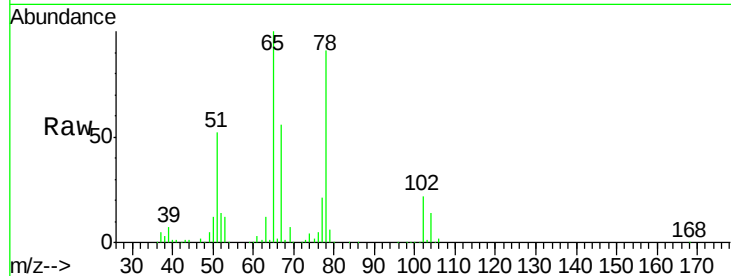
VN0208WBS01

Tot Ion: 65 Resp: 338393

Ion Ratio Lower Upper

65 100

67 55.7 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053561.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN053561.D (-1926) (-)

8.03

150000

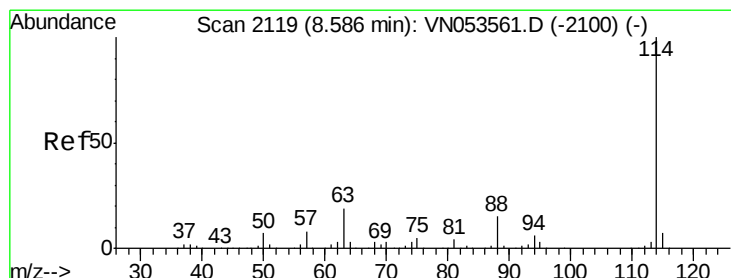
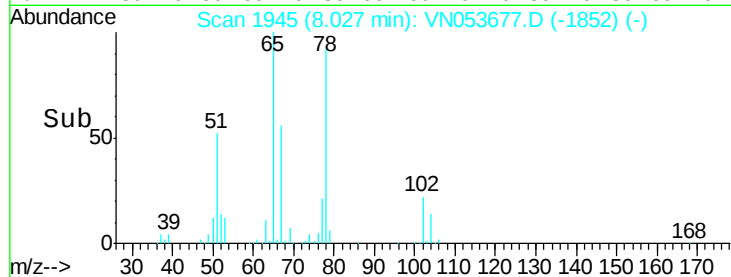
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

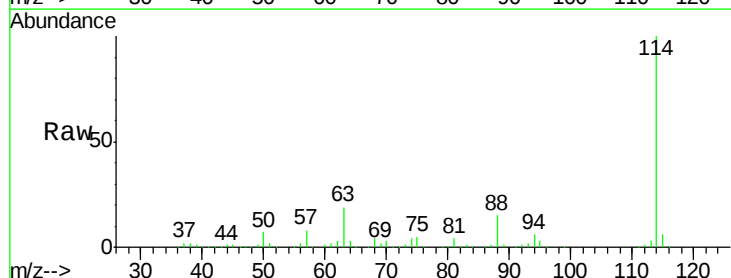
Tgt Ion: 114 Resp: 999884

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053561.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053561.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053561.D (-2100) (-)

8.59

600000

500000

400000

300000

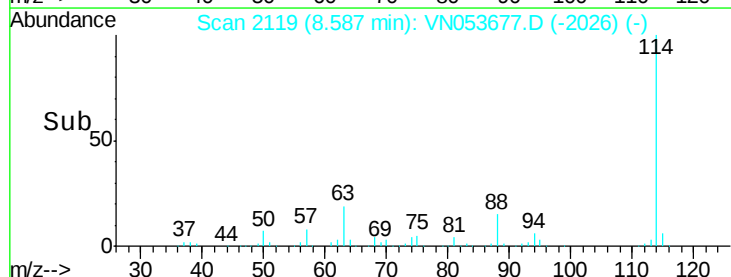
200000

100000

0

8.40 8.50 8.60 8.70 8.80

Time-->

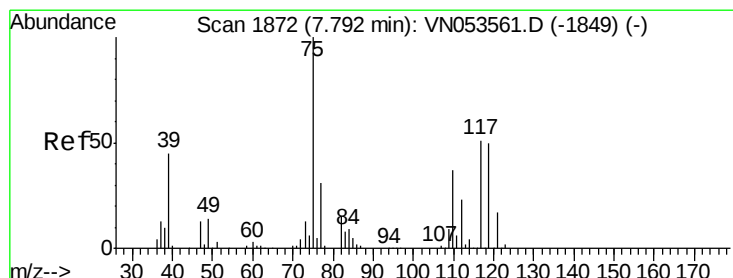
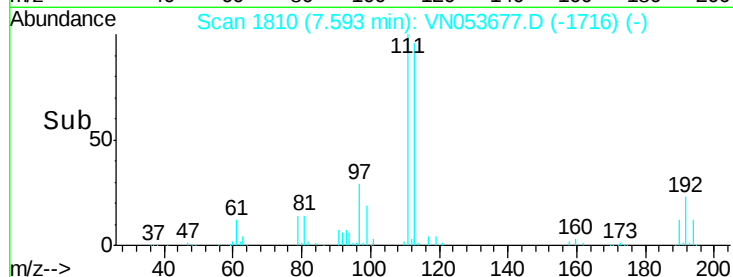
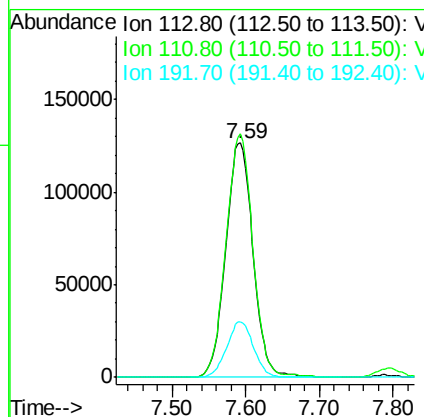
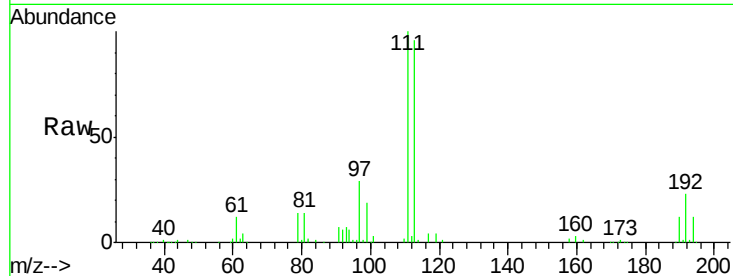




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

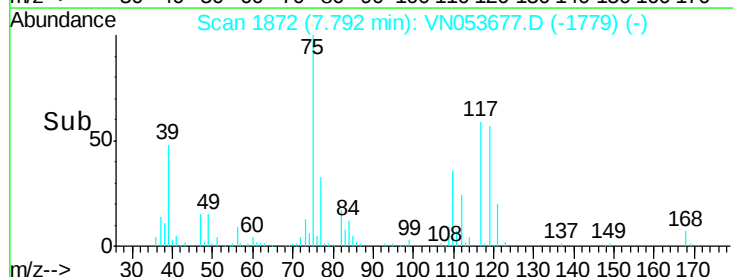
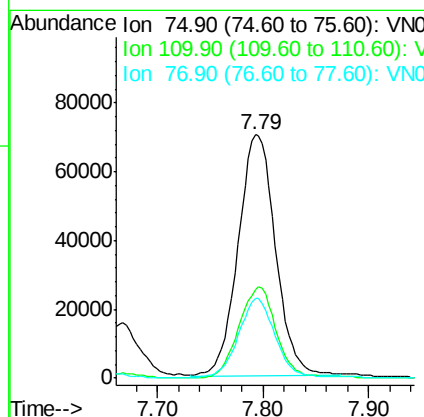
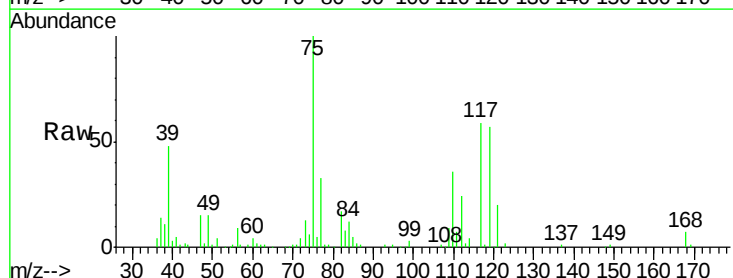
Instrument :
 MSVOA_N
 ClientSampled :
 VN0208WBS01

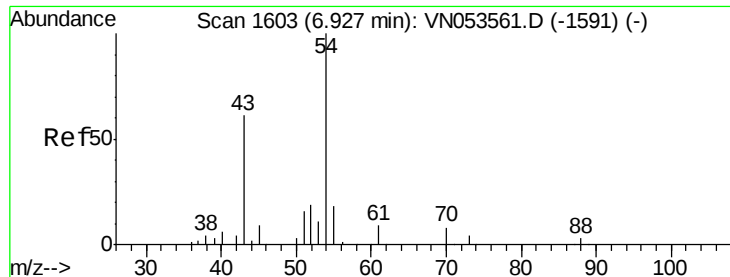
Tot Ion:113 Resp: 326021
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.1 121.7
 192 23.3 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 19.132 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Tgt Ion: 75 Resp: 172444
 Ion Ratio Lower Upper
 75 100
 110 38.0 18.1 54.3
 77 33.0 25.1 37.7

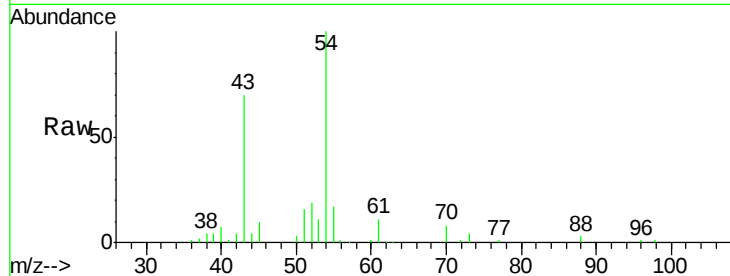




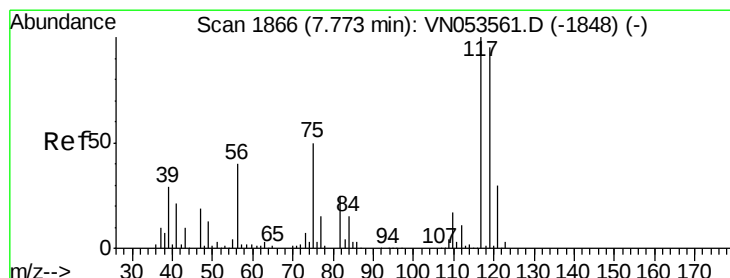
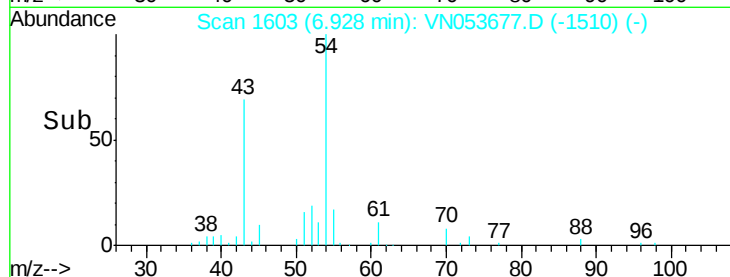
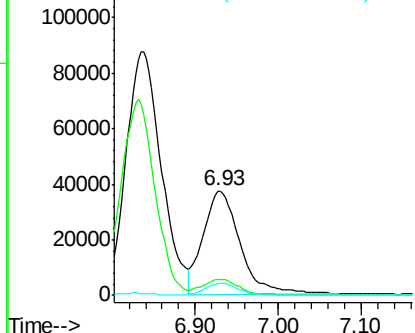
#37
Ethyl Acetate
Concen: 22.943 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0208WBS01

Tot Ion: 43 Resp: 115496
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 10.6 8.6 12.8

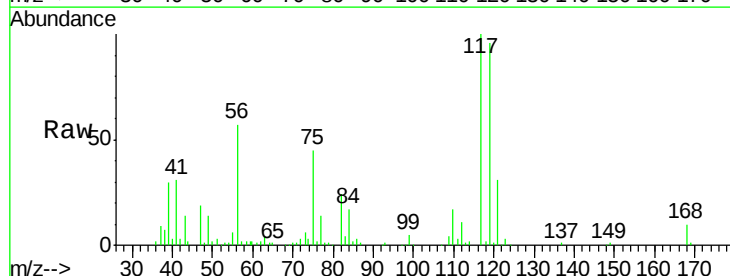


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

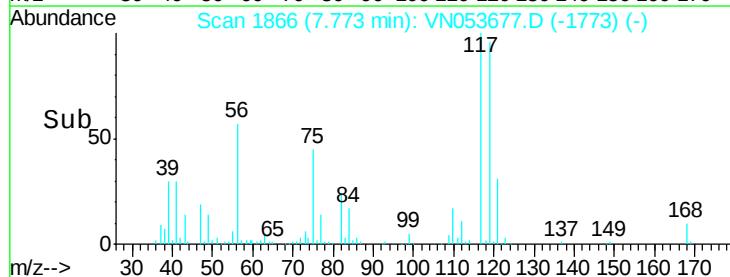
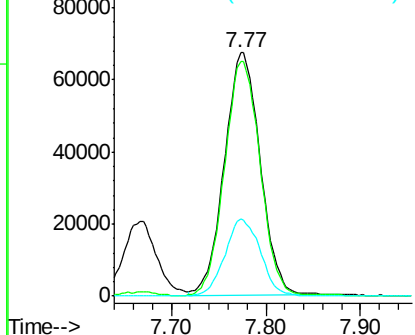


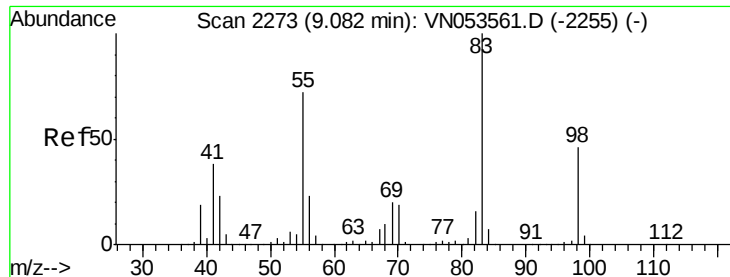
#38
Carbon Tetrachloride
Concen: 19.532 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion: 117 Resp: 177350
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 31.7 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

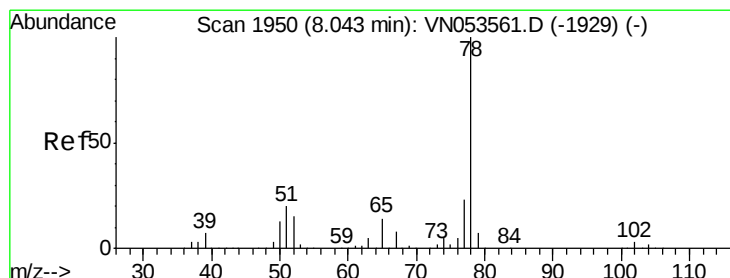
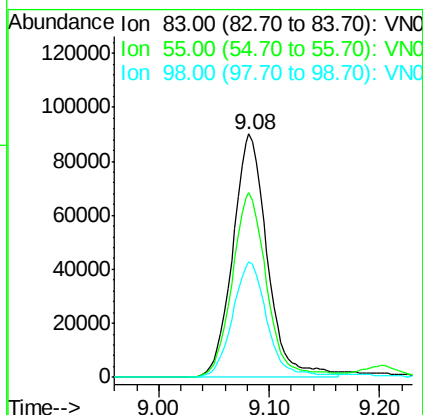
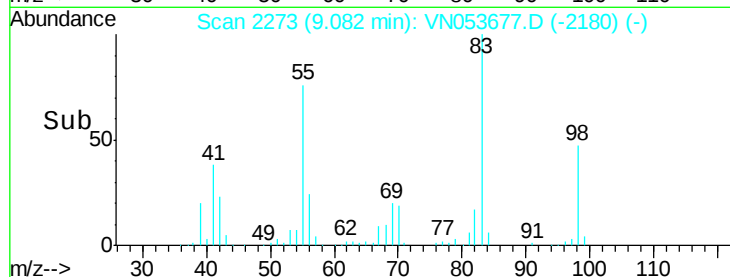
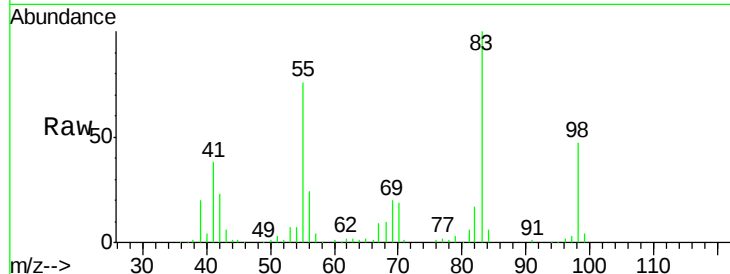




#39
Methvlcvclohexane
Concen: 18.291 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

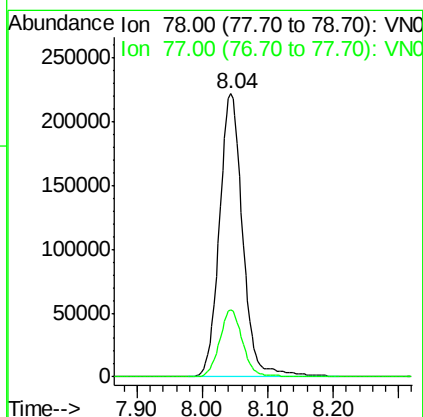
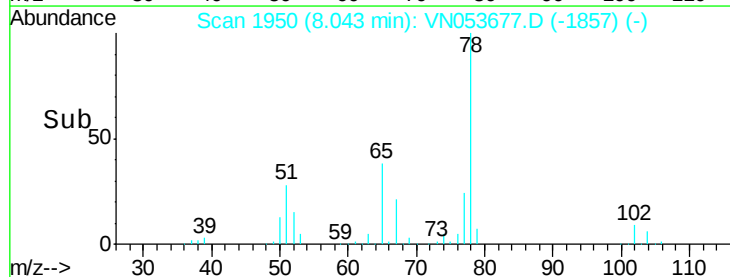
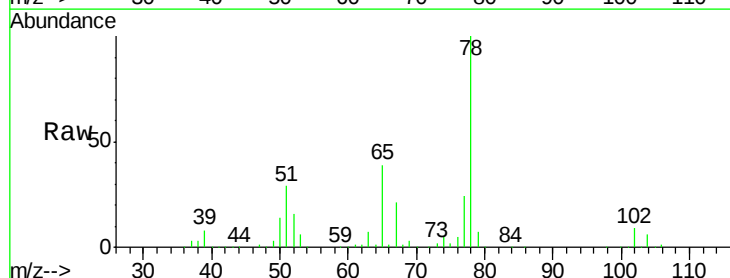
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBS01

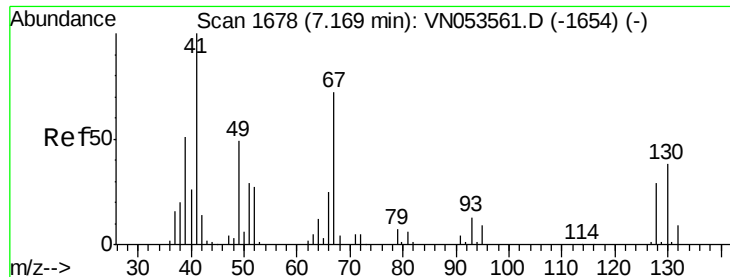
Tot Ion: 83 Resp: 195588
Ion Ratio Lower Upper
83 100
55 75.6 60.1 90.1
98 47.4 36.6 55.0



#40
Benzene
Concen: 19.787 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion: 78 Resp: 549978
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 18.310 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleID :

VN0208WBS01

Tot Ion: 41 Resp: 51516

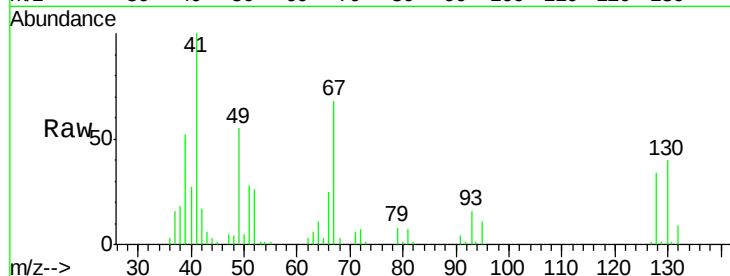
Ion Ratio Lower Upper

41 100

39 67.0 46.8 70.2

67 105.3 63.0 94.6#

52 39.8 23.8 35.8#

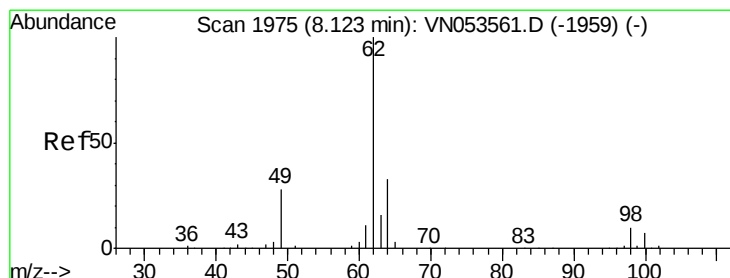
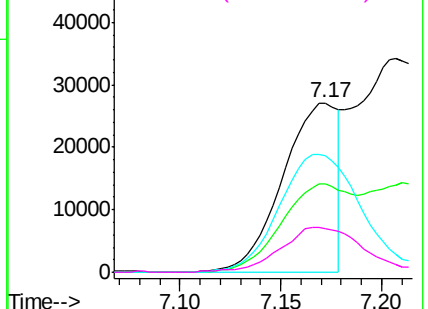
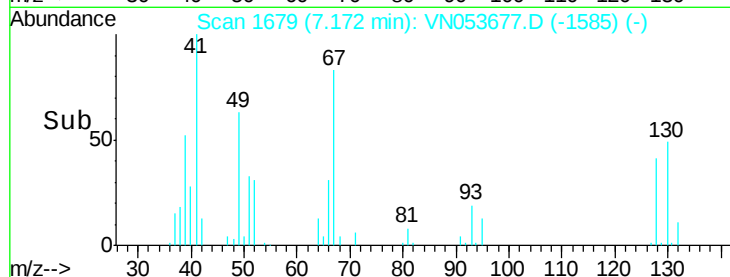


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.976 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053677.D

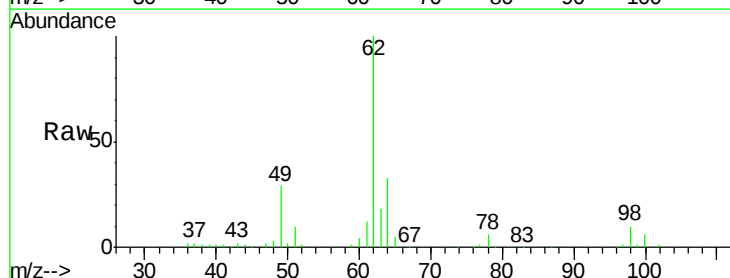
Acq: 8 Feb 2019 13:17

Tgt Ion: 62 Resp: 164861

Ion Ratio Lower Upper

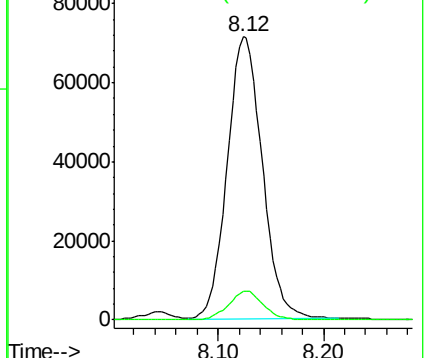
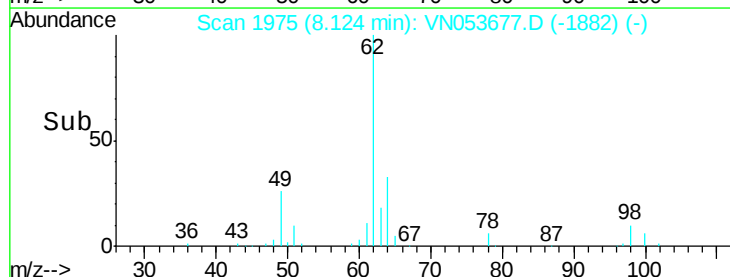
62 100

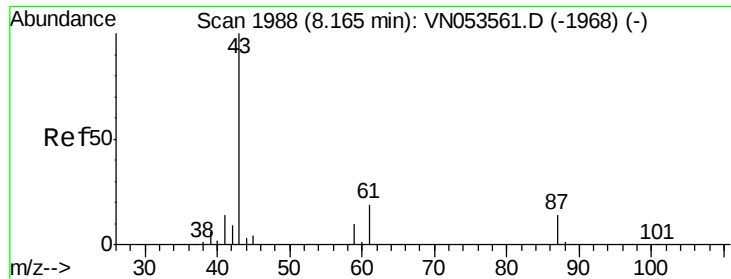
98 10.0 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.065 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0208WBS01

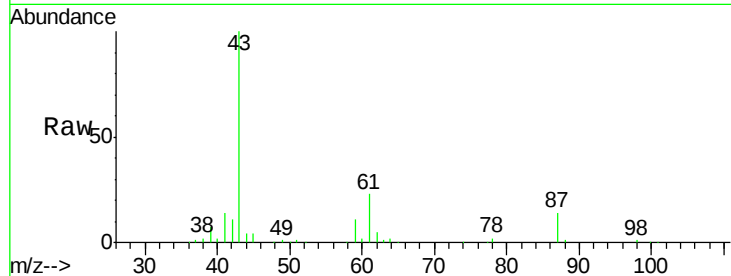
Tot Ion: 43 Resp: 204783

Ion Ratio Lower Upper

43 100

61 28.2 23.9 35.9

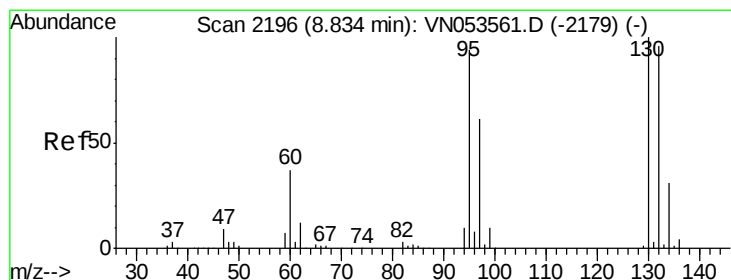
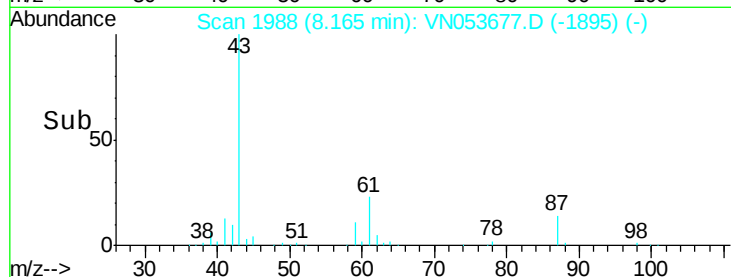
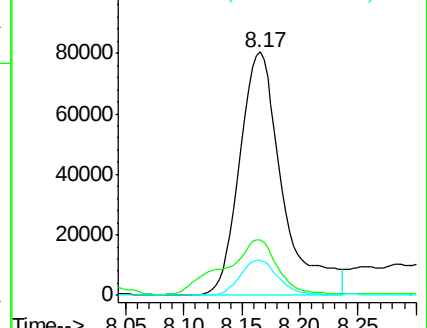
87 12.9 11.0 16.6



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: 19.321 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053677.D

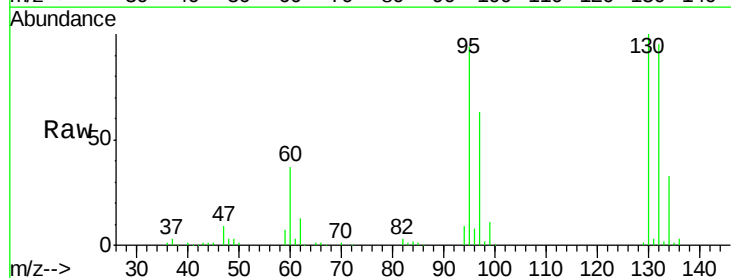
Acq: 8 Feb 2019 13:17

Tgt Ion:130 Resp: 152886

Ion Ratio Lower Upper

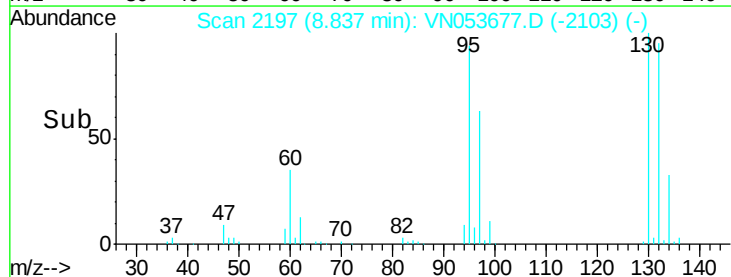
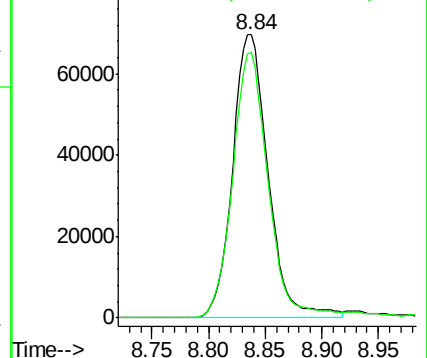
130 100

95 93.6 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.596 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

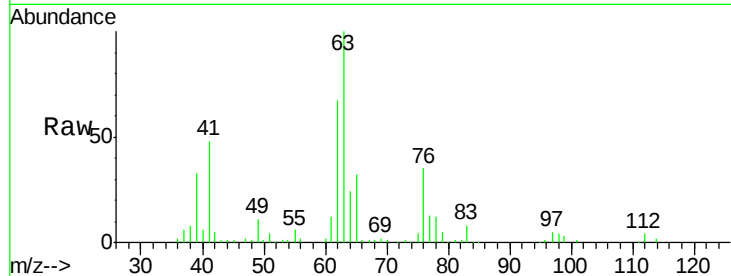
VN0208WBS01

Tot Ion: 63 Resp: 146423

Ion Ratio Lower Upper

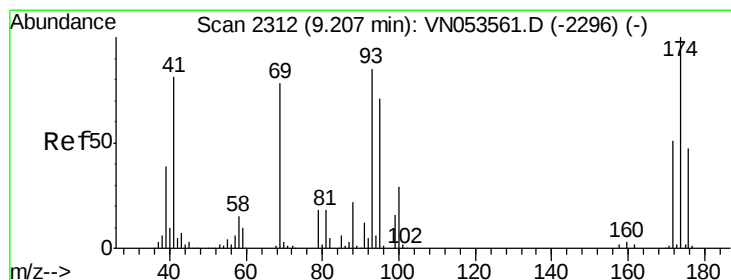
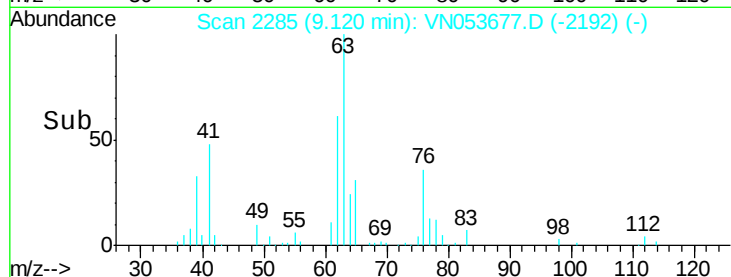
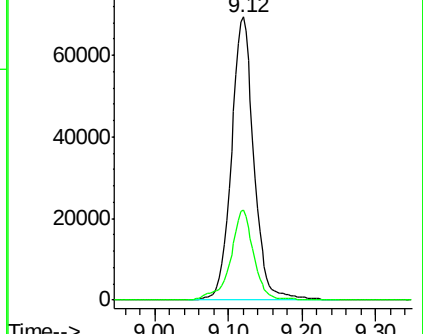
63 100

65 31.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.627 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

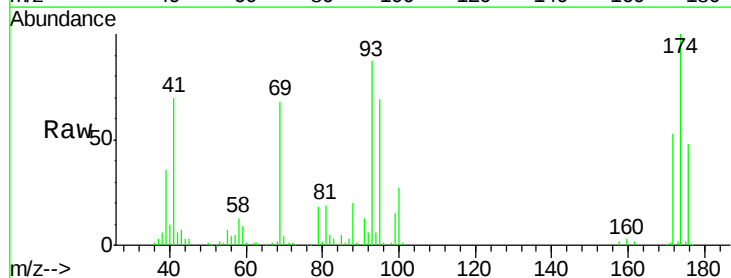
Tgt Ion: 93 Resp: 88397

Ion Ratio Lower Upper

93 100

95 82.4 67.3 100.9

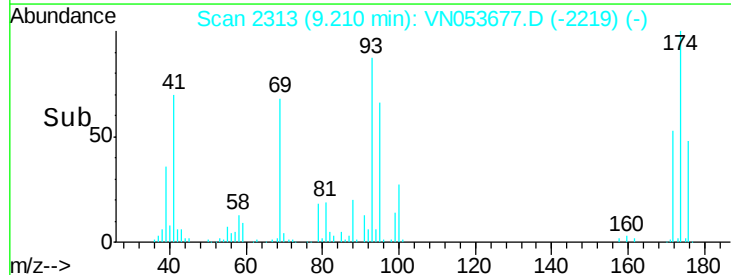
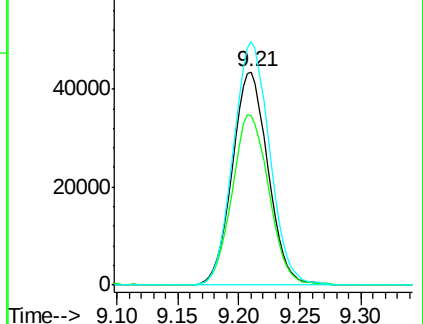
174 116.3 91.0 136.4

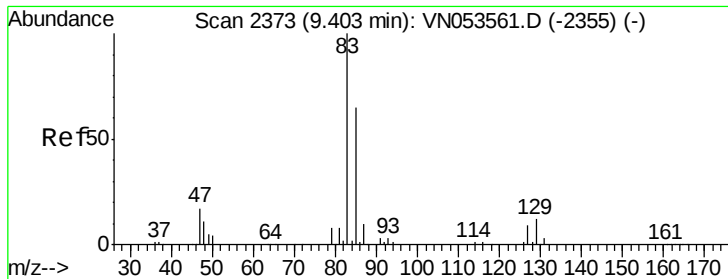


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

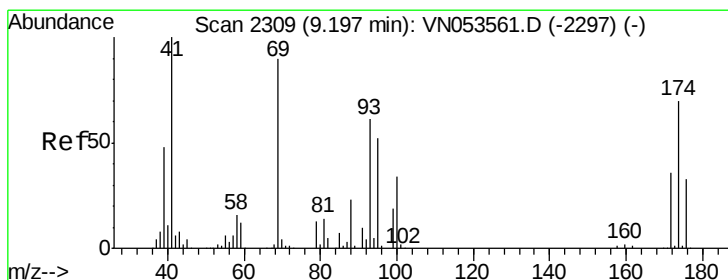
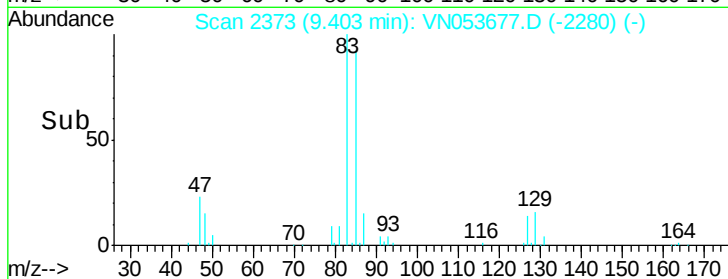
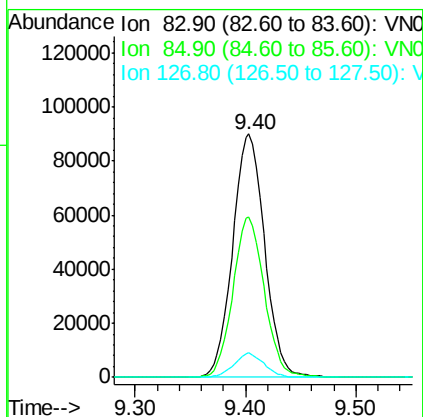
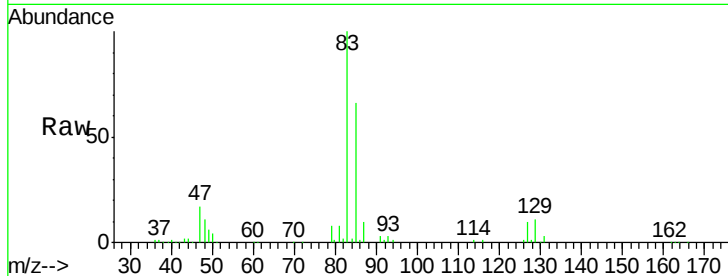




#47
Bromodichloromethane
Concen: 20.341 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

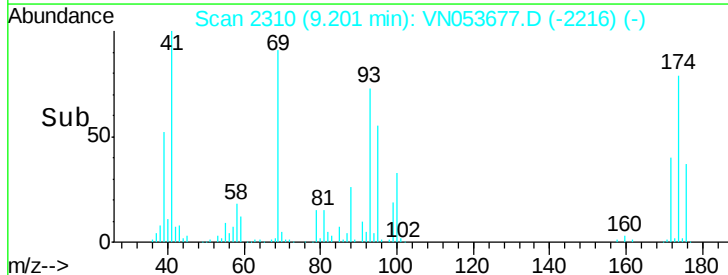
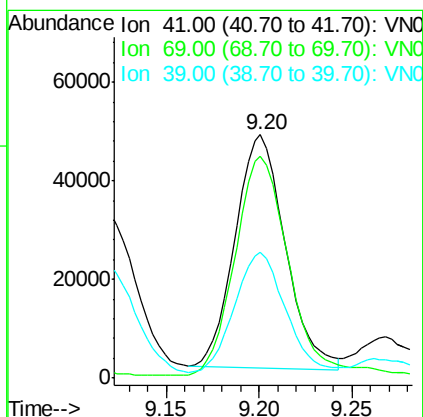
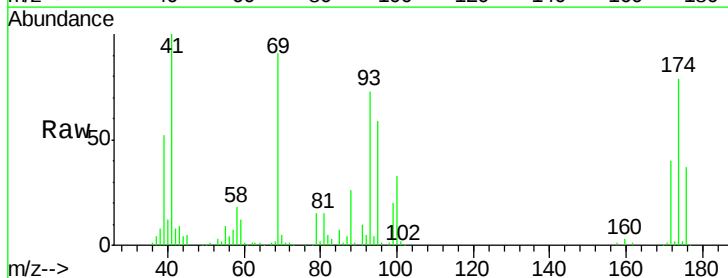
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBS01

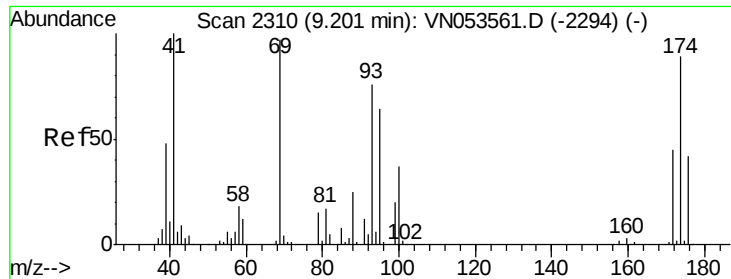
Tot Ion: 83 Resp: 181250
Ion Ratio Lower Upper
83 100
85 65.8 51.0 76.6
127 9.9 7.0 10.6



#48
Methyl methacrylate
Concen: 19.137 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion: 41 Resp: 88807
Ion Ratio Lower Upper
41 100
69 105.4 73.8 110.6
39 57.3 40.0 60.0





#49

1,4-Dioxane

Concen: 440.024 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBS01

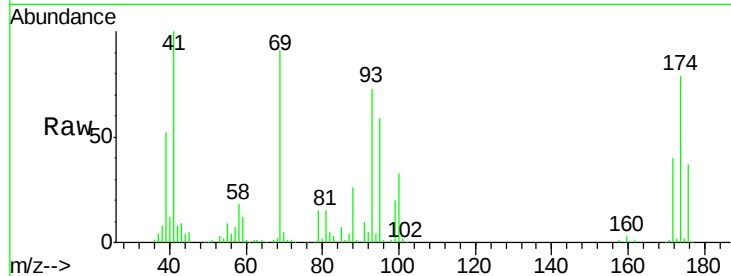
Tot Ion: 88 Resp: 28056

Ion Ratio Lower Upper

88 100

43 27.9 27.8 41.6

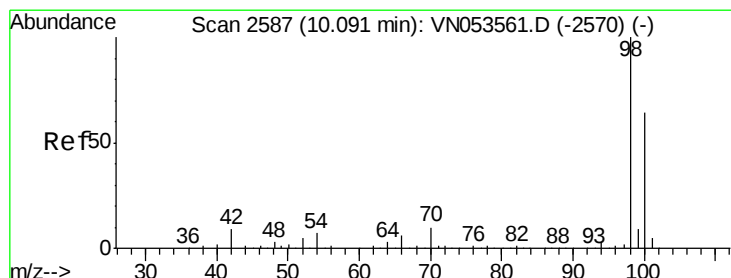
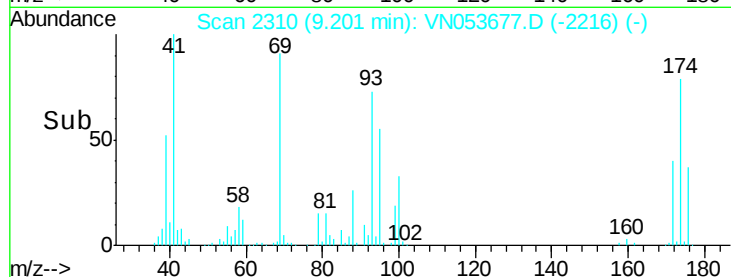
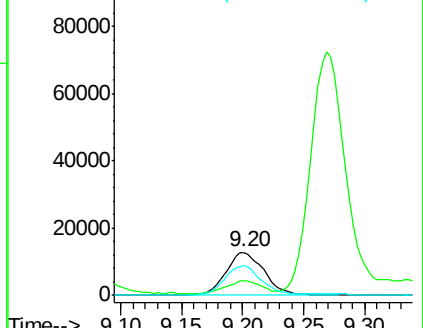
58 67.0 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053561.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053561.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2294) (-)



#50

Toluene-d8

Concen: 440.024 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053677.D

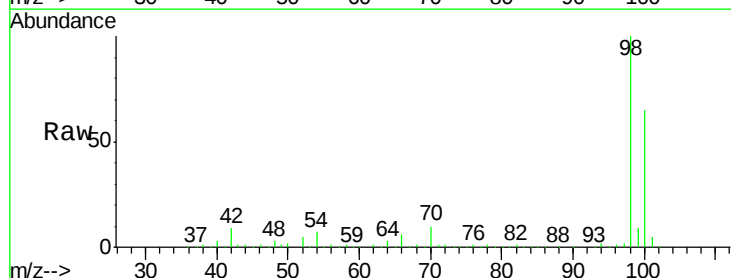
Acq: 8 Feb 2019 13:17

Tgt Ion: 98 Resp: 1180363

Ion Ratio Lower Upper

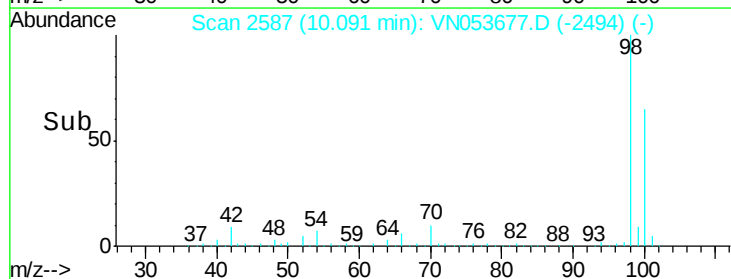
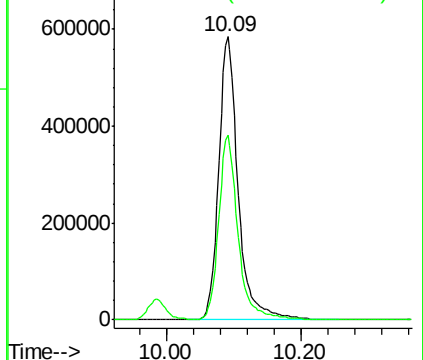
98 100

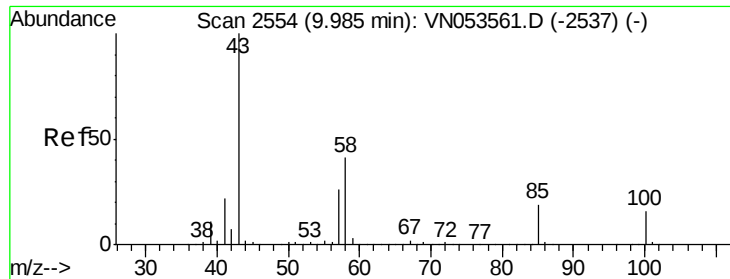
100 65.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 108.438 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

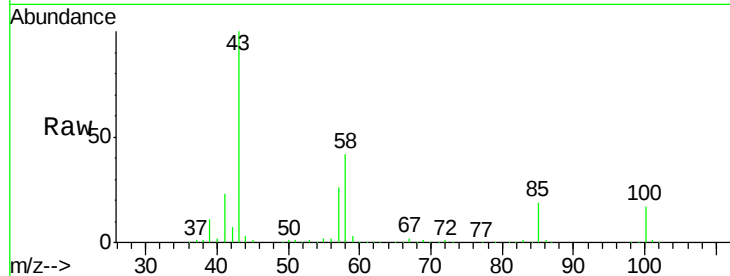
VN0208WBS01

Tot Ion: 43 Resp: 518036

Ion Ratio Lower Upper

43 100

58 41.2 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

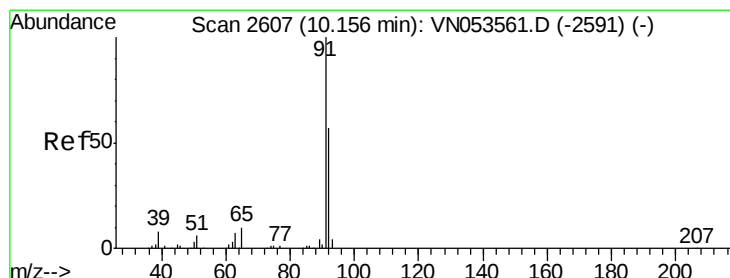
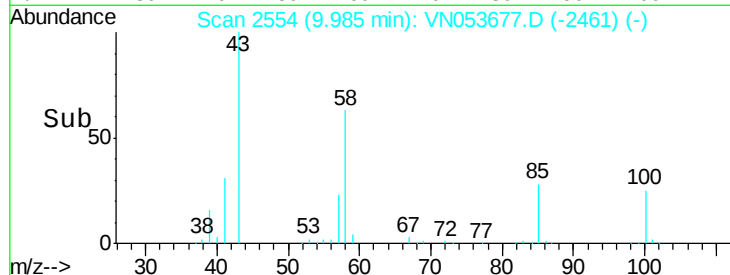
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.109 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053677.D

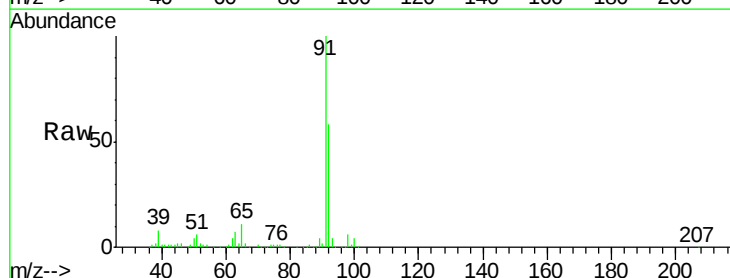
Acq: 8 Feb 2019 13:17

Tgt Ion: 92 Resp: 331722

Ion Ratio Lower Upper

92 100

91 173.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

300000

250000

200000

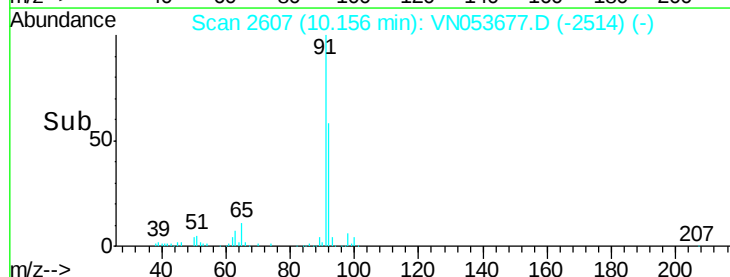
150000

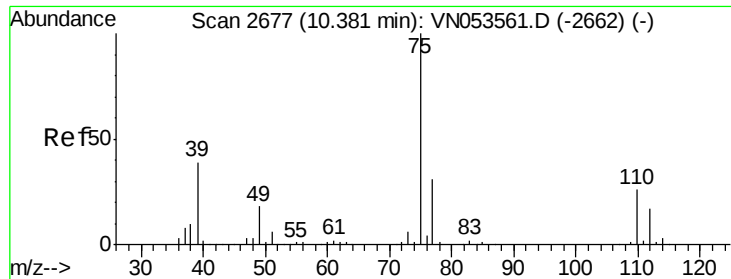
100000

50000

0

Time-->

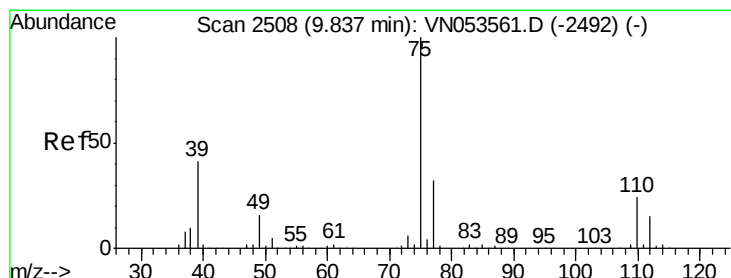
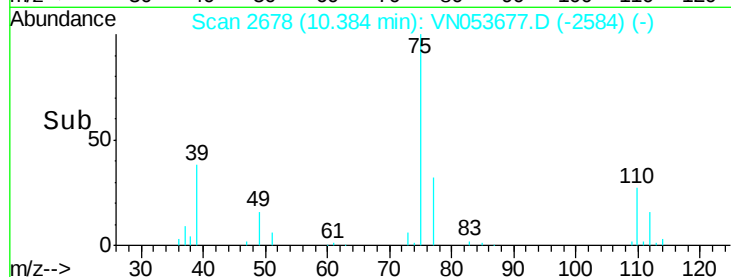
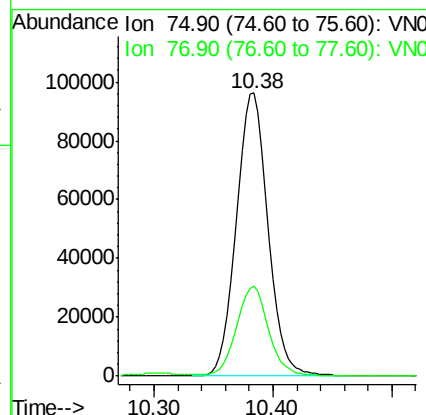
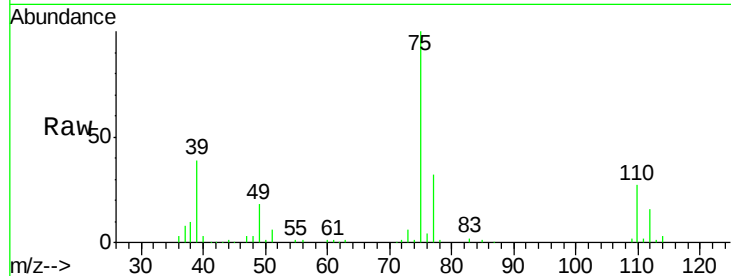




#53
 t-1,3-Dichloropropene
 Concen: 19.910 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

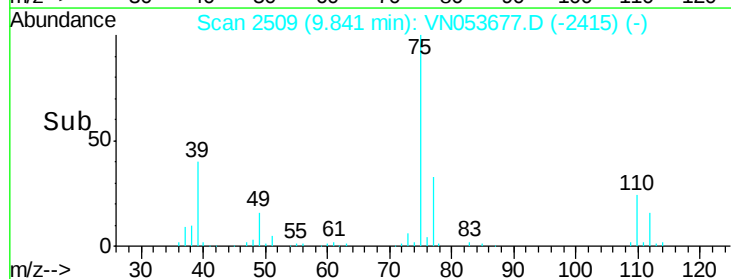
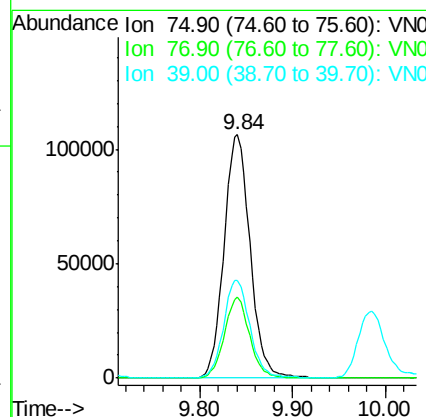
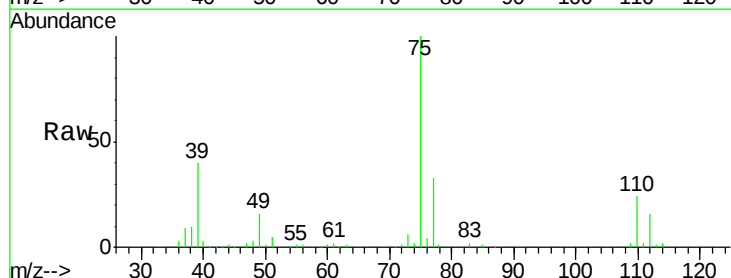
Instrument :
 MSVOA_N
 ClientSampled :
 VN0208WBS01

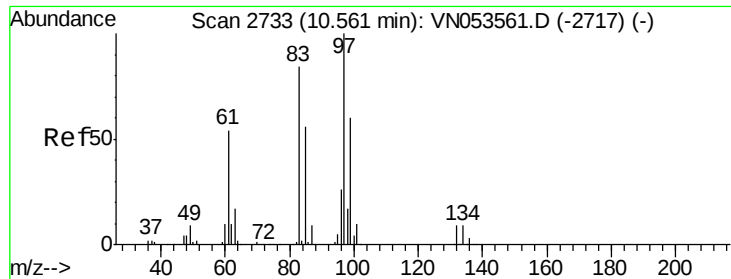
Tot Ion: 75 Resp: 177649
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 19.624 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Tgt Ion: 75 Resp: 207480
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.8 38.6
 39 40.0 33.4 50.0

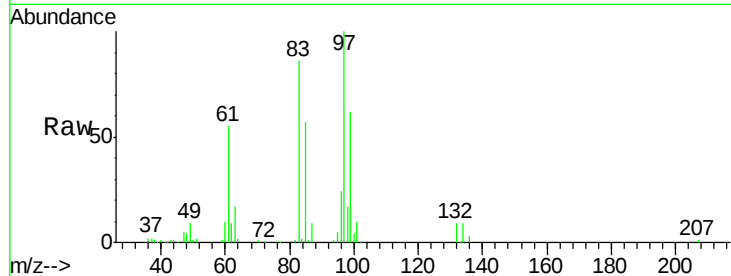




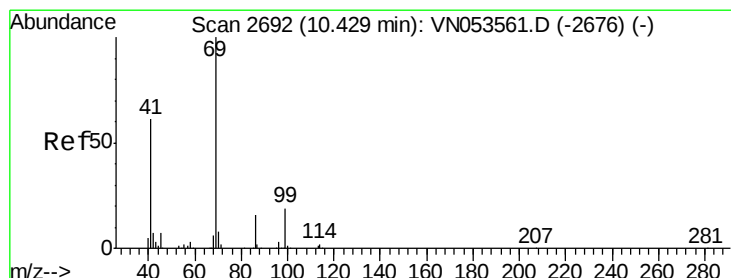
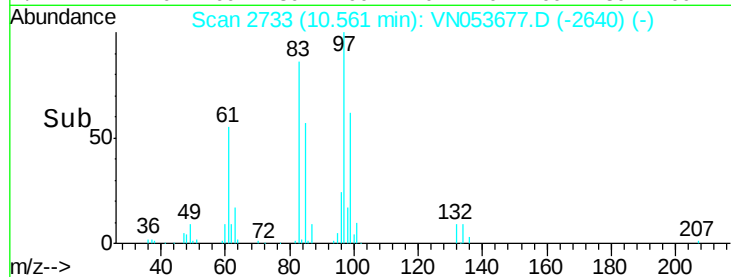
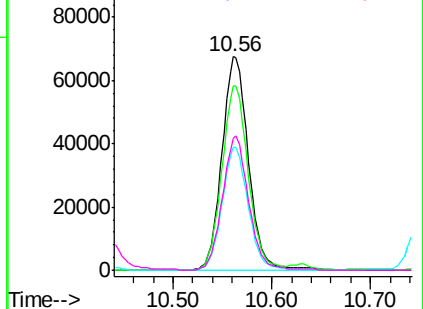
#55
 1,1,2-Trichloroethane
 Concen: 21.506 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0208WBS01

Tot Ion:	97	Resp:	127837
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.1	105.1
85	57.5	45.4	68.0
99	61.6	49.8	74.8

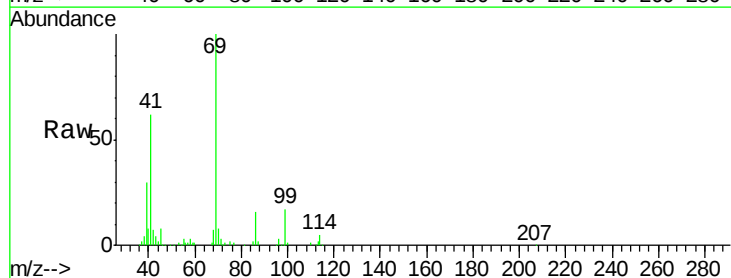


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

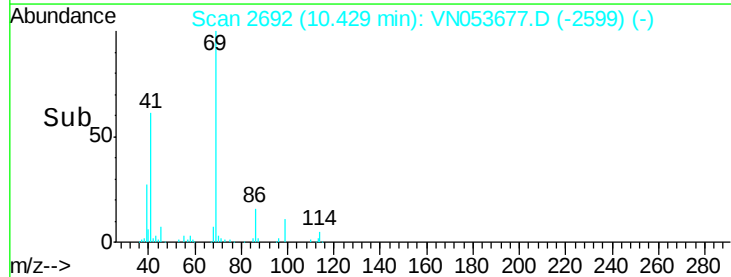
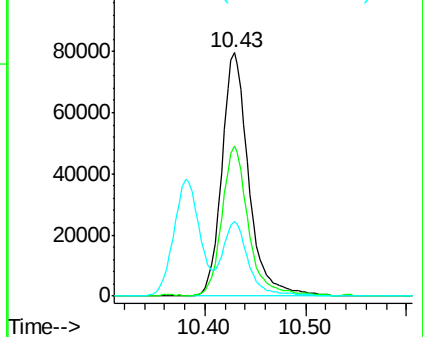


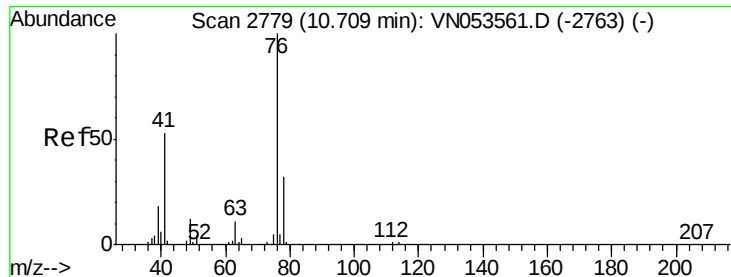
#56
 Ethyl methacrylate
 Concen: 21.075 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Tgt Ion:	69	Resp:	148201
Ion	Ratio	Lower	Upper
69	100		
41	60.1	49.4	74.0
39	28.6	23.3	34.9



Abundance Ion 69.00 (68.70 to 69.70): VNC
 Ion 41.00 (40.70 to 41.70): VNC
 Ion 39.00 (38.70 to 39.70): VNC





#57

1,3-Dichloropropane

Concen: 20.350 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

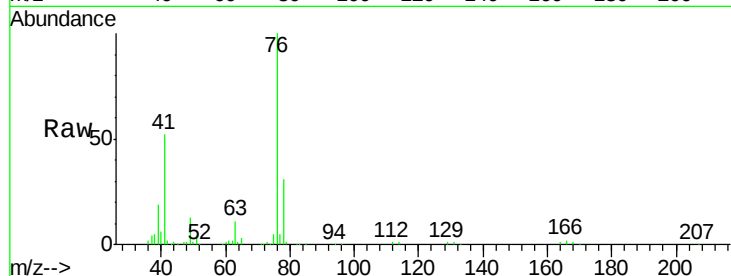
VN0208WBS01

Tot Ion: 76 Resp: 206736

Ion Ratio Lower Upper

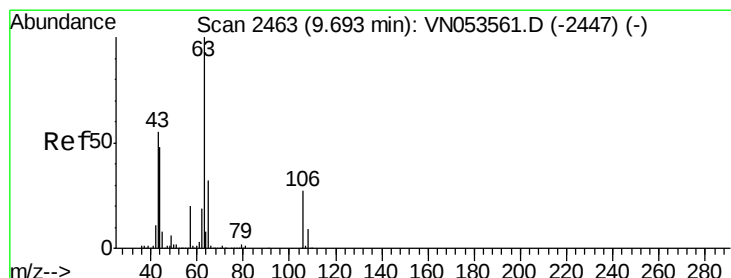
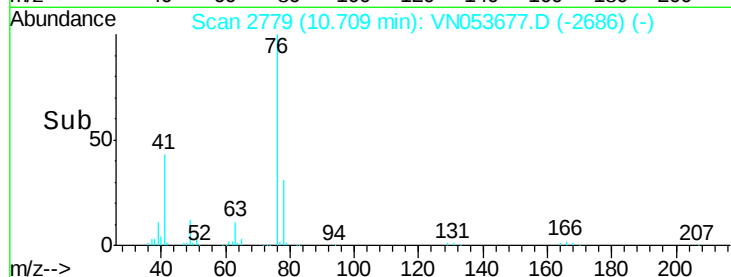
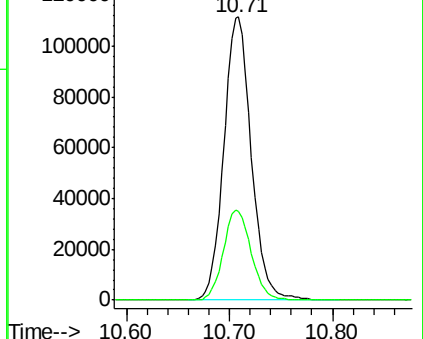
76 100

78 32.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 88.698 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053677.D

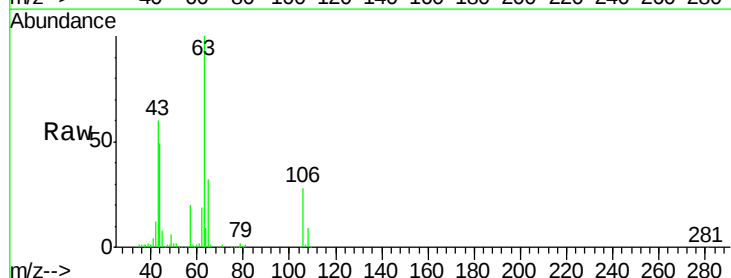
Acq: 8 Feb 2019 13:17

Tgt Ion: 63 Resp: 363539

Ion Ratio Lower Upper

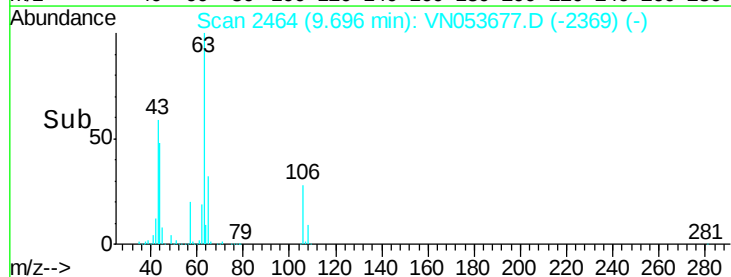
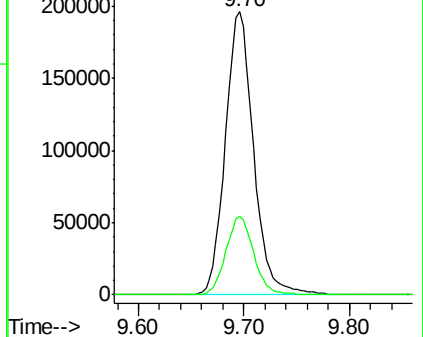
63 100

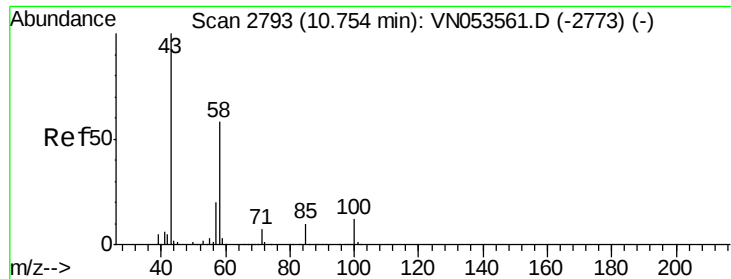
106 27.6 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

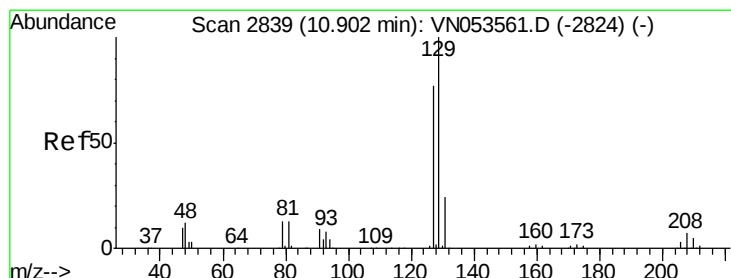
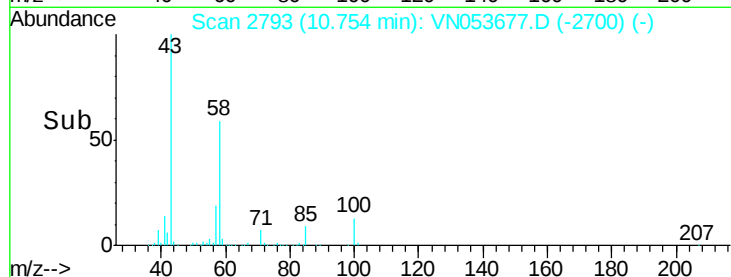
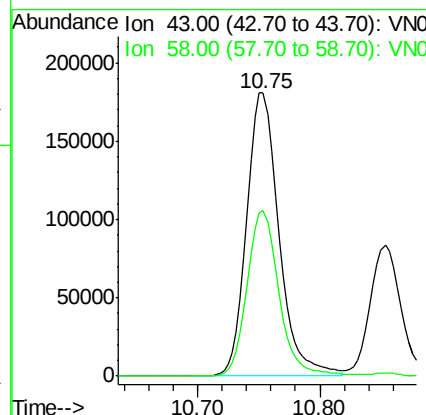
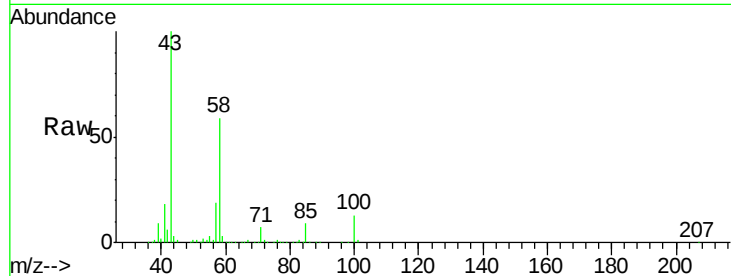




#59
2-Hexanone
Concen: 101.736 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

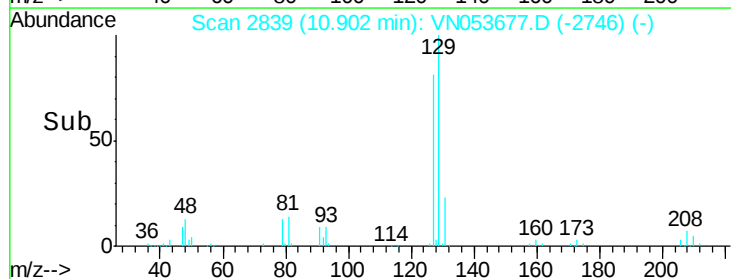
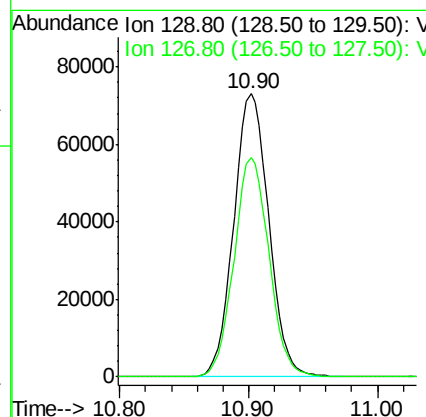
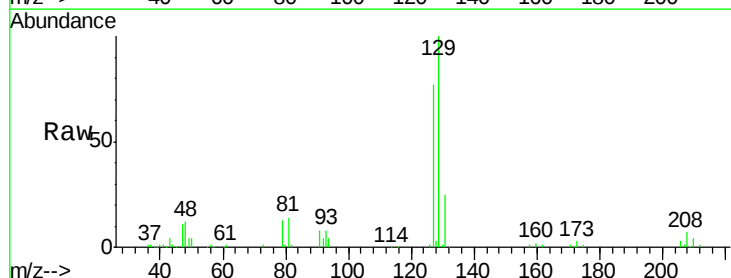
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBS01

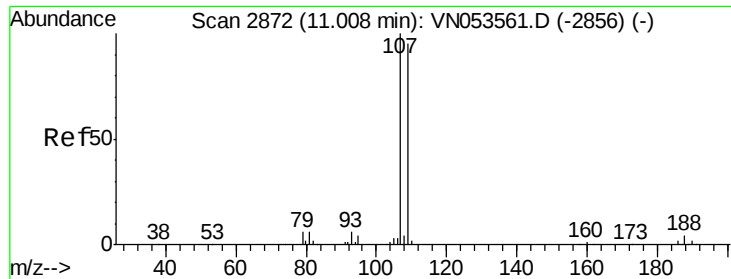
Tot Ion: 43 Resp: 329945
Ion Ratio Lower Upper
43 100
58 57.8 28.6 85.8



#60
Dibromochloromethane
Concen: 20.597 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion: 129 Resp: 138064
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.085 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

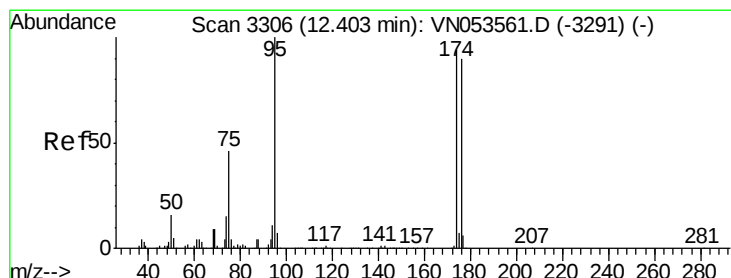
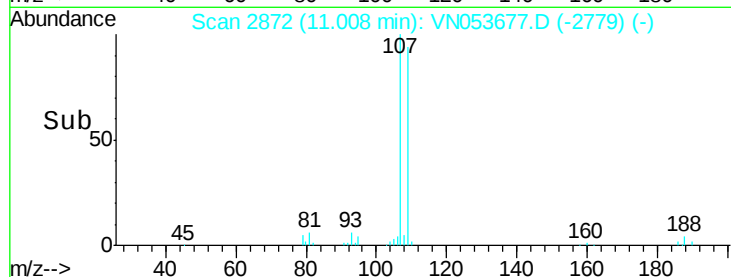
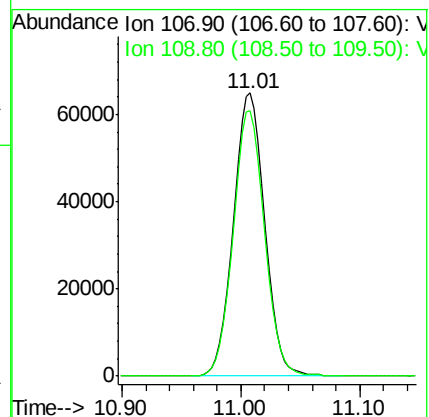
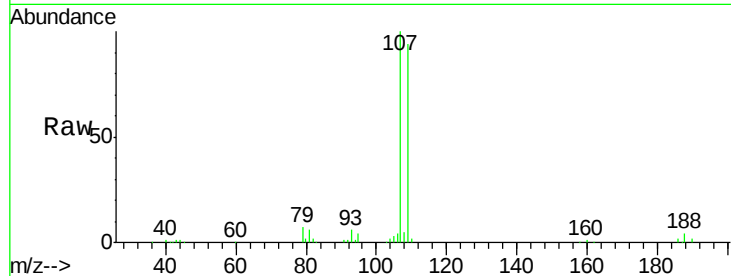
VN0208WBS01

Tot Ion:107 Resp: 118168

Ion Ratio Lower Upper

107 100

109 94.2 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 20.085 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

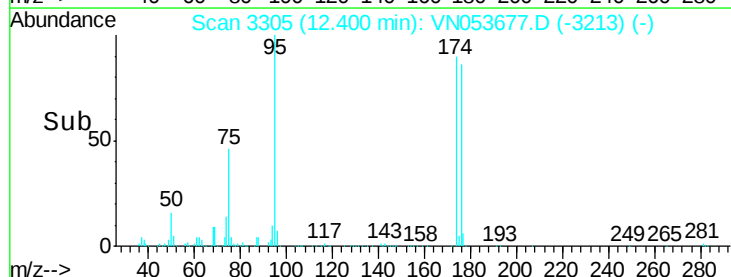
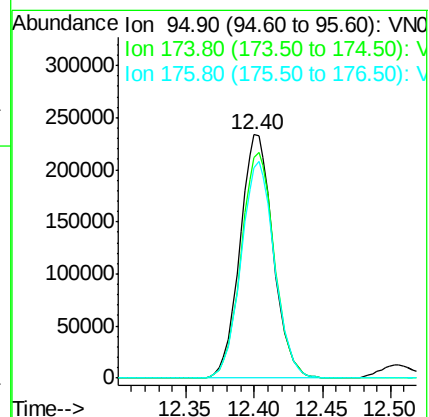
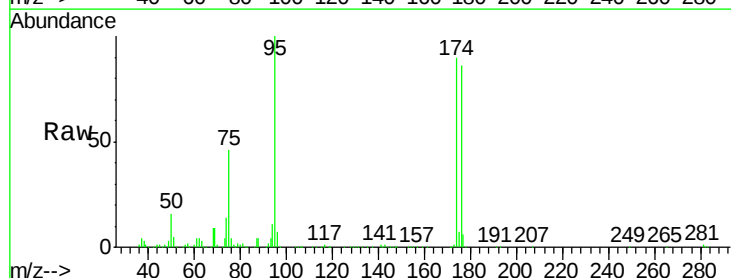
Tgt Ion: 95 Resp: 393882

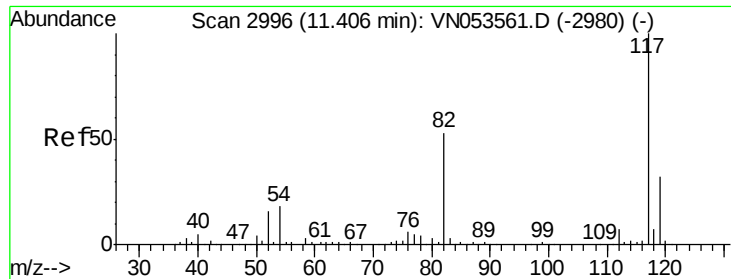
Ion Ratio Lower Upper

95 100

174 93.0 0.0 183.2

176 89.7 0.0 177.4

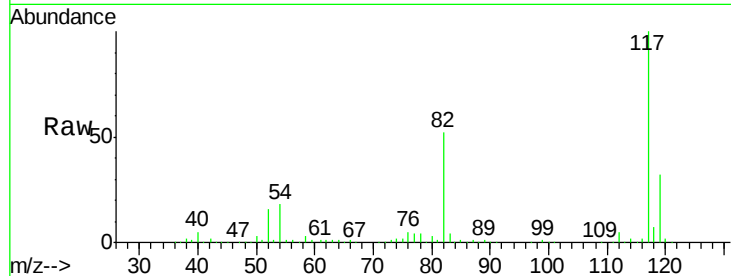




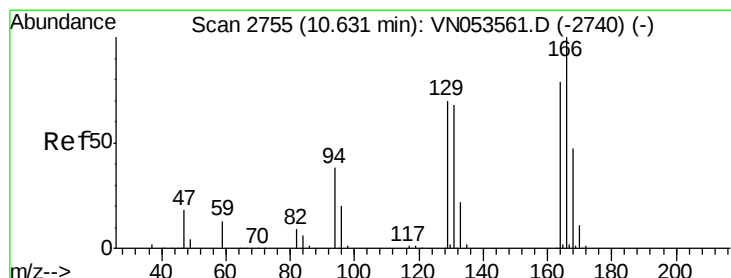
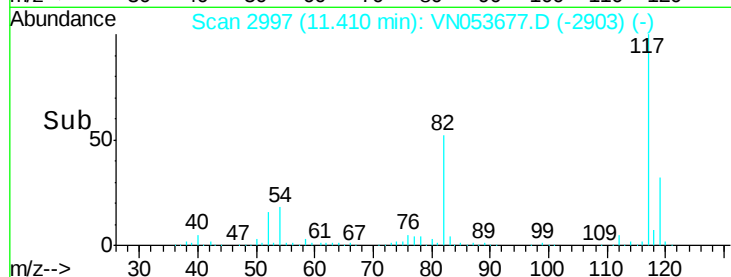
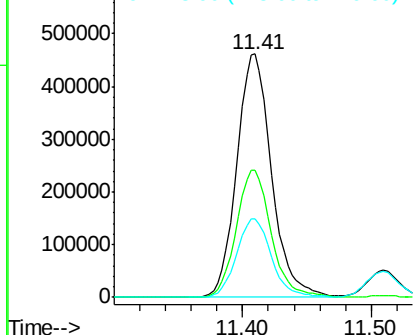
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0208WBS01

Tot Ion:117 Resp: 867599
Ion Ratio Lower Upper
117 100
82 52.4 42.9 64.3
119 32.4 26.0 39.0

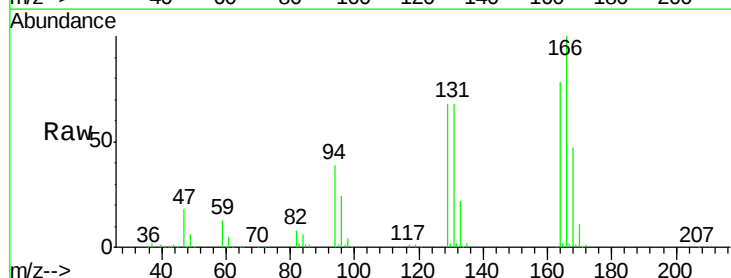


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

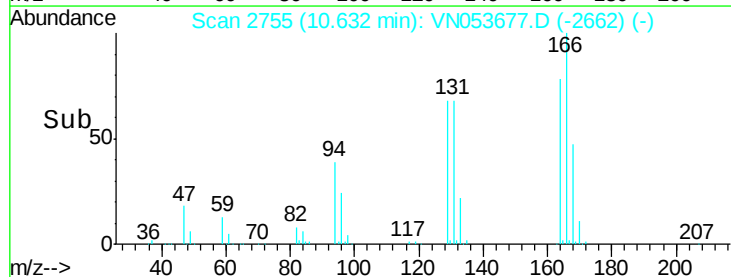
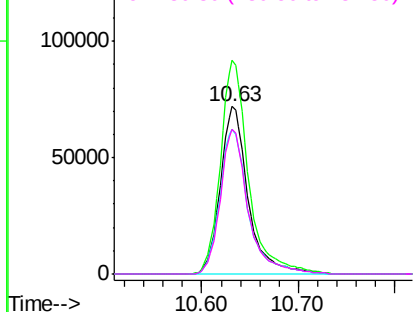


#64
Tetrachloroethene
Concen: 19.301 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion:164 Resp: 143542
Ion Ratio Lower Upper
164 100
166 127.8 102.2 153.4
129 86.5 72.6 109.0
131 86.5 69.5 104.3



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

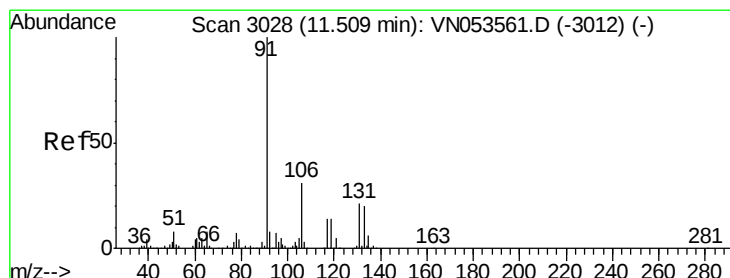
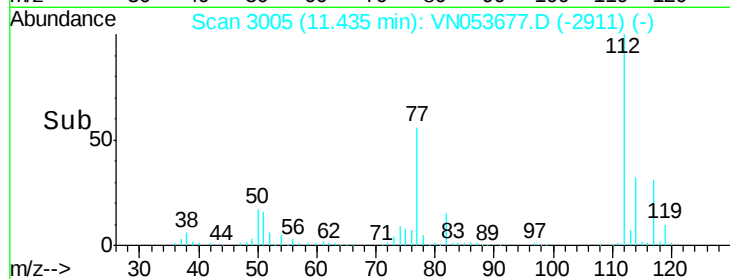
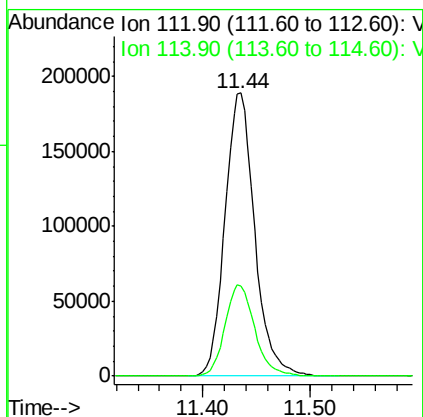
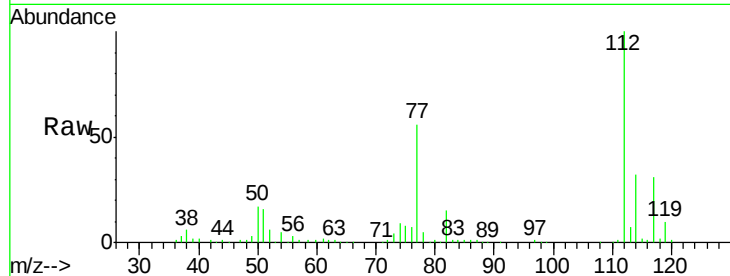




#65
Chlorobenzene
Concen: 19.718 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

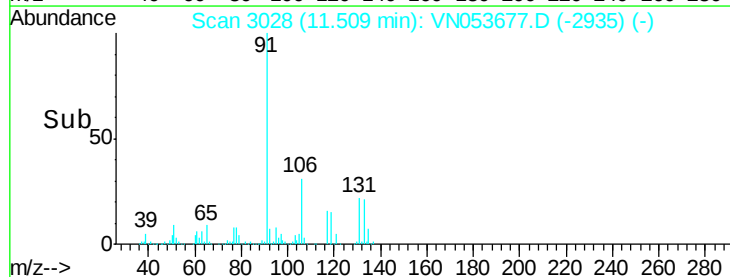
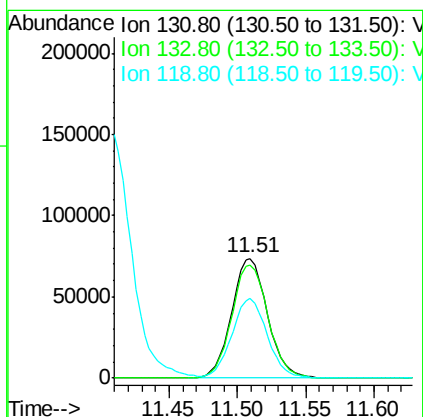
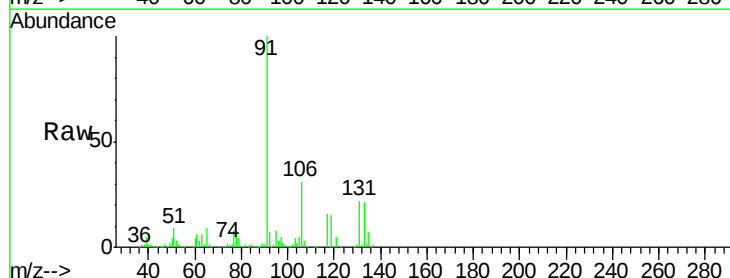
Instrument :
MSVOA_N
ClientSampled :
VN0208WBS01

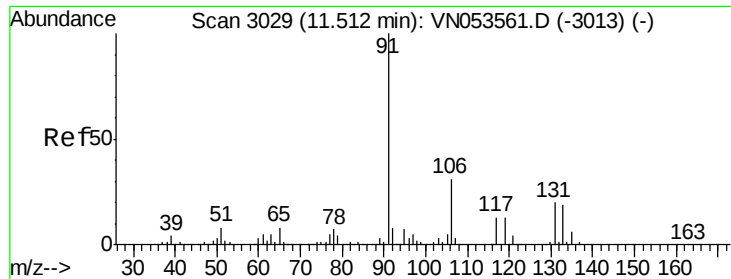
Tot Ion:112 Resp: 363386
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.817 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion:131 Resp: 133978
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 66.1 33.5 100.5

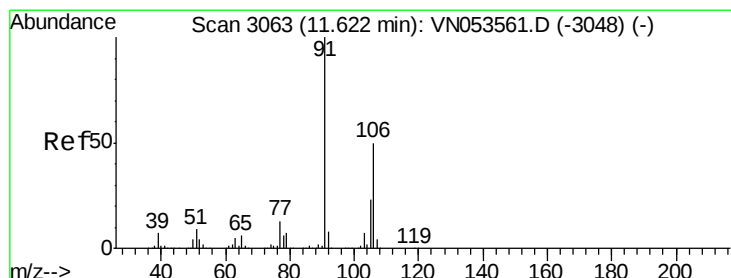
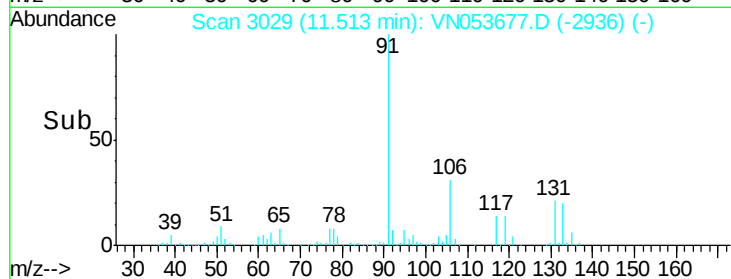
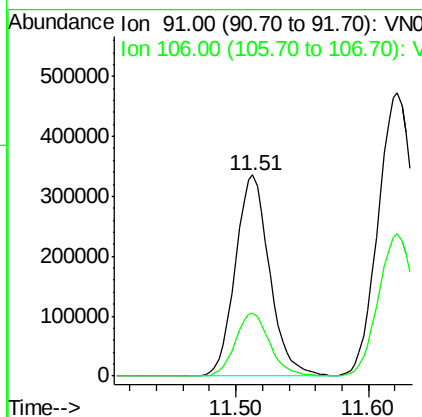
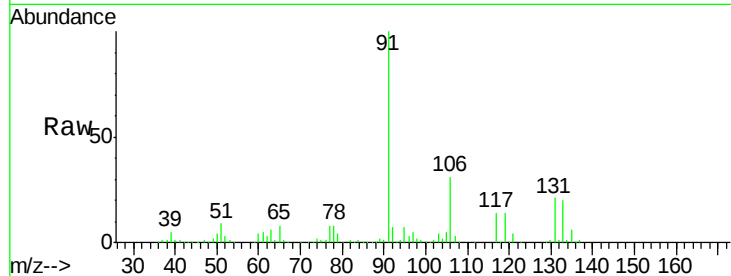




#67
Ethyl Benzene
Concen: 19.890 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

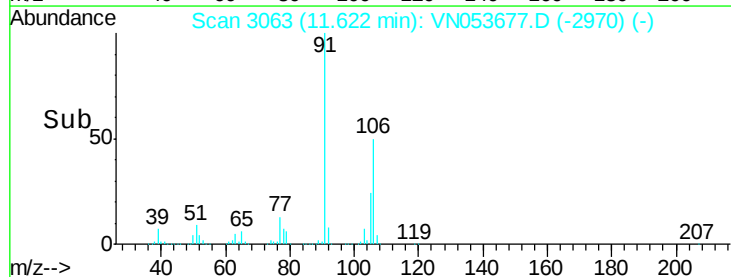
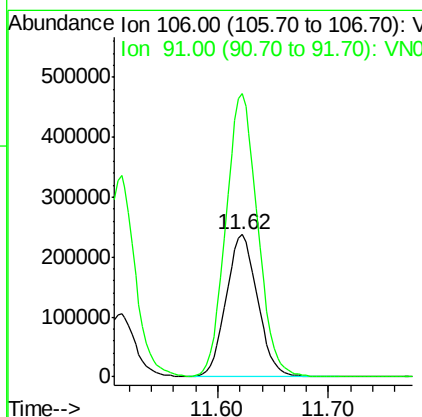
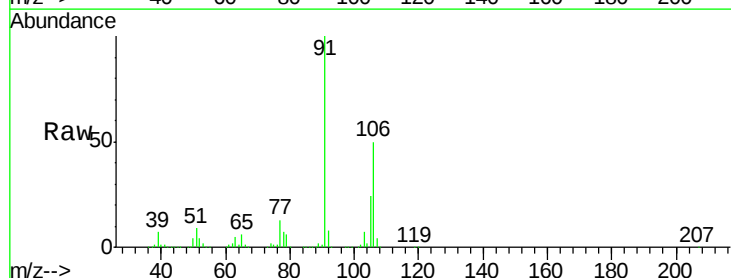
Instrument :
MSVOA_N
ClientSampled :
VN0208WBS01

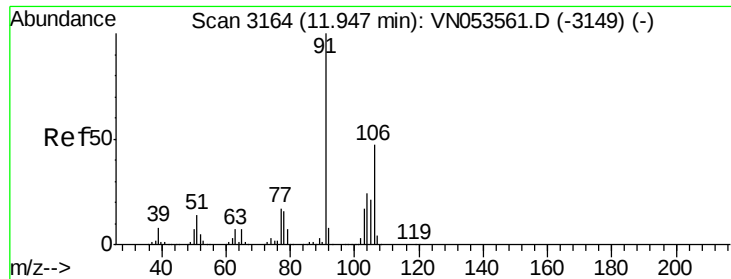
Tot Ion: 91 Resp: 602121
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 40.666 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion: 106 Resp: 469857
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2

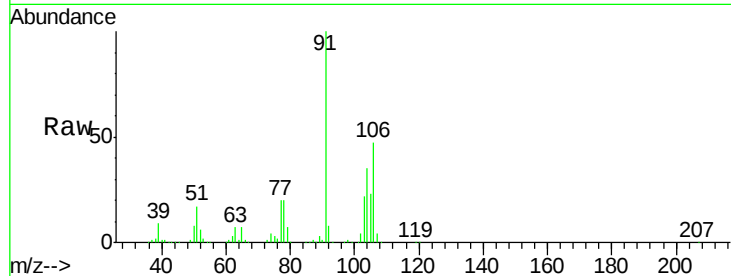




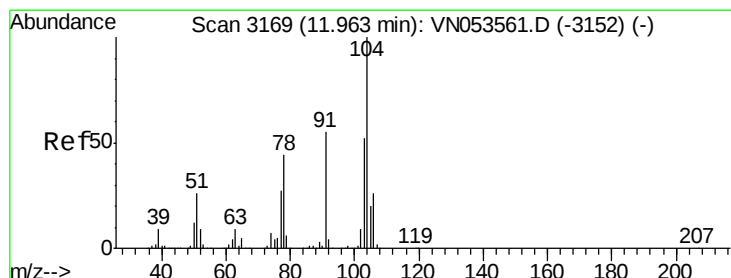
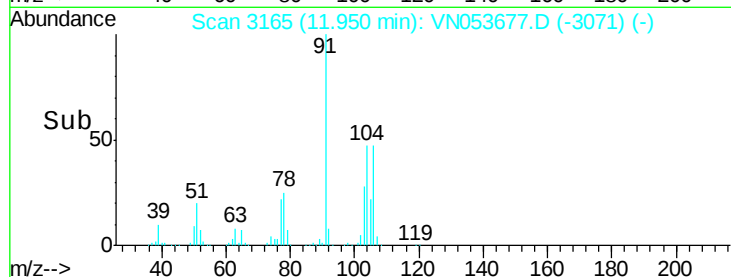
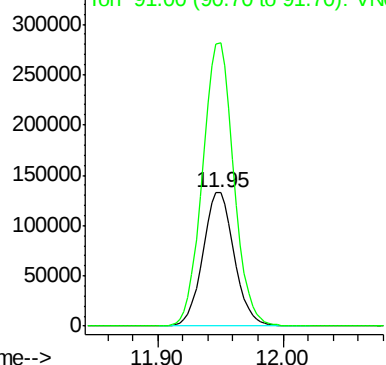
#69
o-Xylene
Concen: 20.590 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0208WBS01

Tot Ion:106 Resp: 229834
Ion Ratio Lower Upper
106 100
91 211.6 106.9 320.8

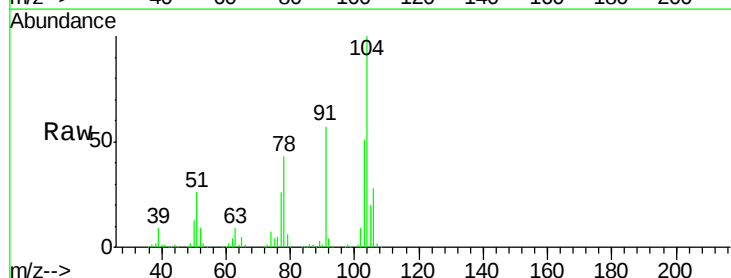


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

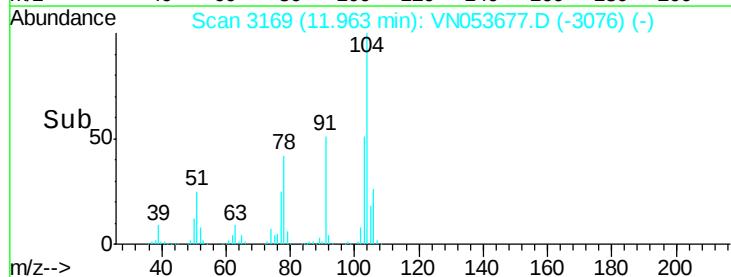
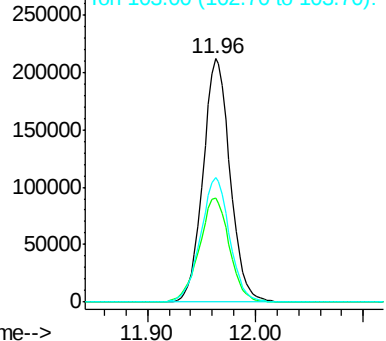


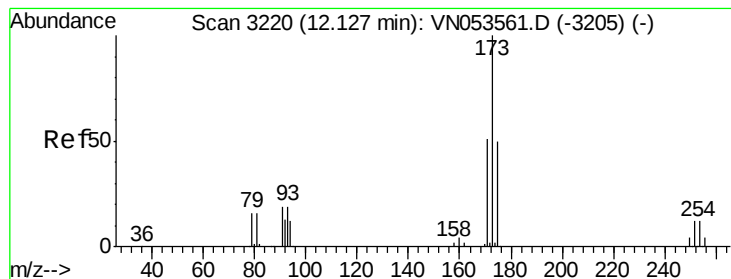
#70
Styrene
Concen: 20.528 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053677.D
Acq: 8 Feb 2019 13:17

Tgt Ion:104 Resp: 371392
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 55.0 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.667 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBS01

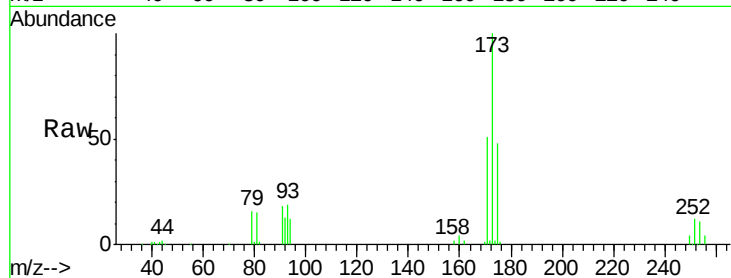
Tot Ion:173 Resp: 95602

Ion Ratio Lower Upper

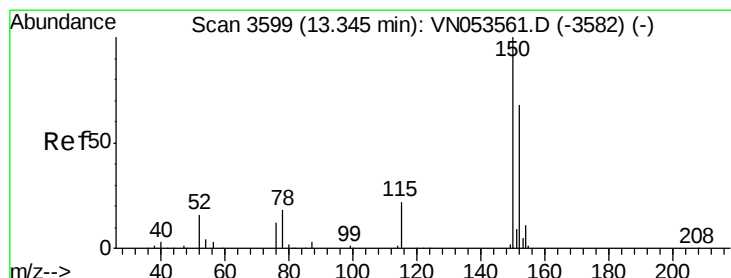
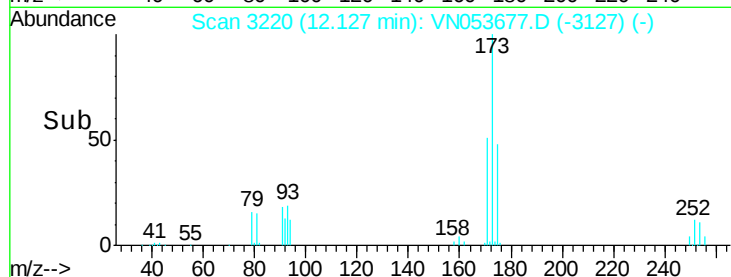
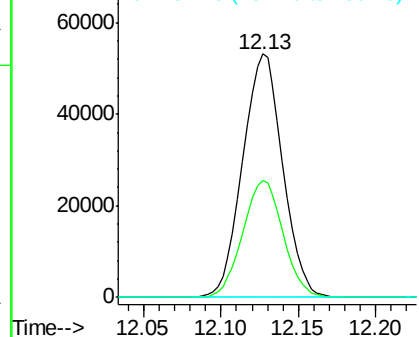
173 100

175 48.2 24.6 74.0

254 0.0 0.2 0.2#



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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

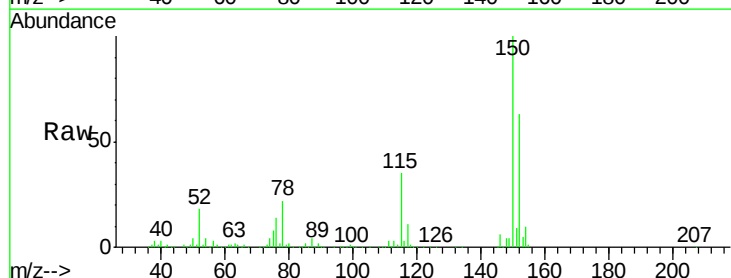
Tgt Ion:152 Resp: 411298

Ion Ratio Lower Upper

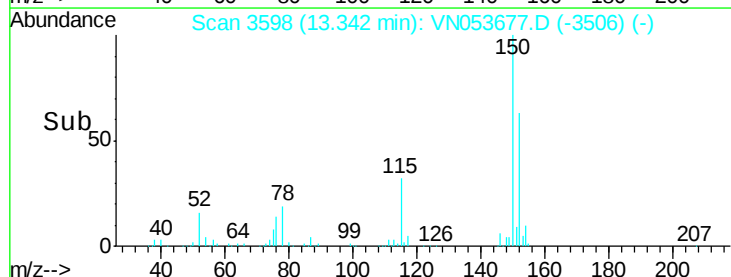
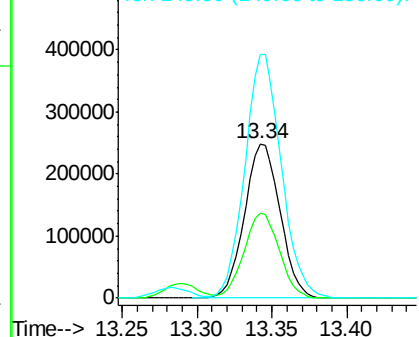
152 100

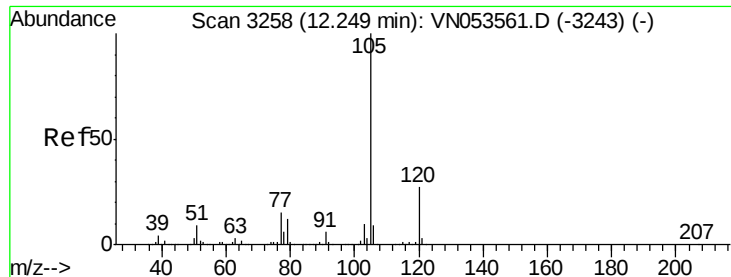
115 54.8 27.8 83.4

150 162.6 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.759 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

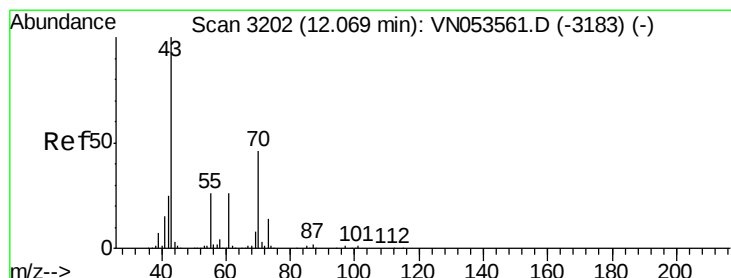
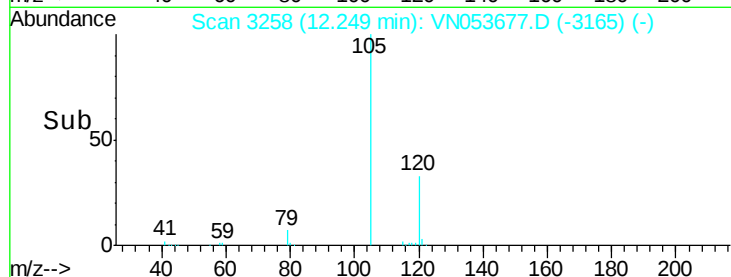
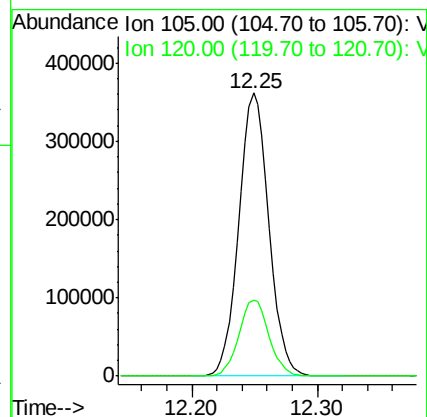
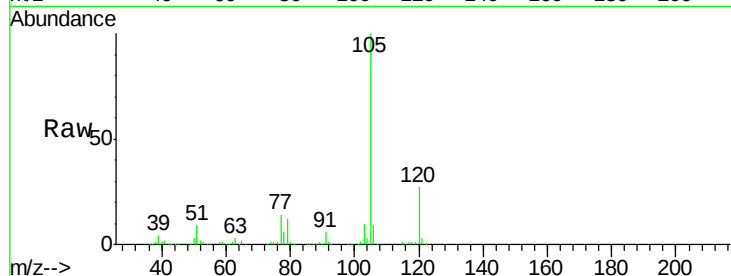
VN0208WBS01

Tot Ion:105 Resp: 600219

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 21.332 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Tgt Ion: 43 Resp: 148318

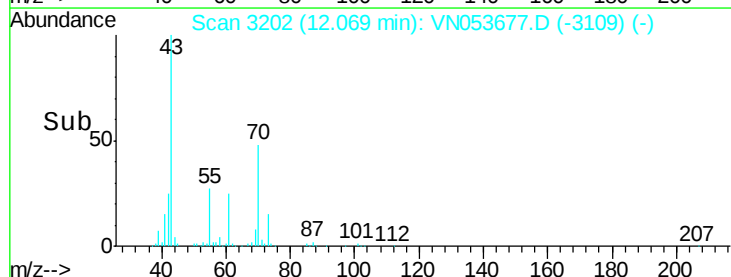
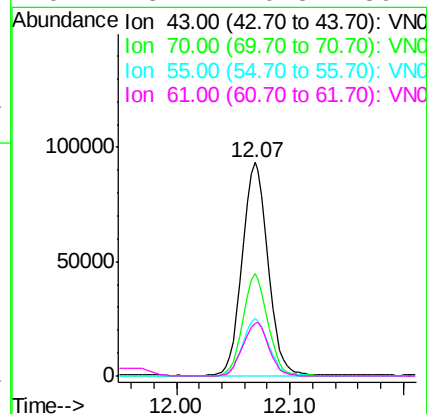
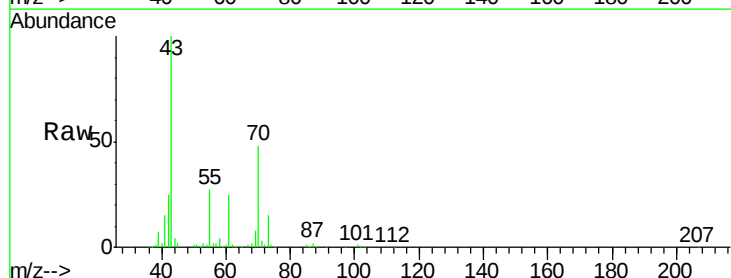
Ion Ratio Lower Upper

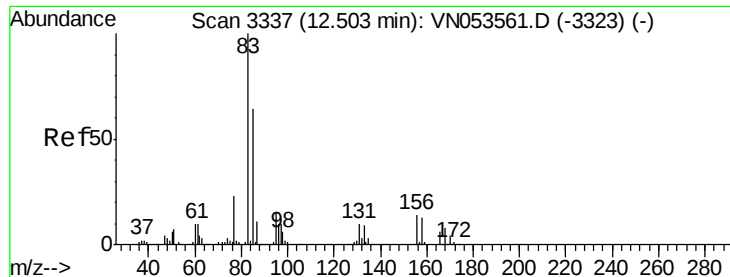
43 100

70 46.1 35.4 53.2

55 27.3 20.9 31.3

61 25.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.287 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBS01

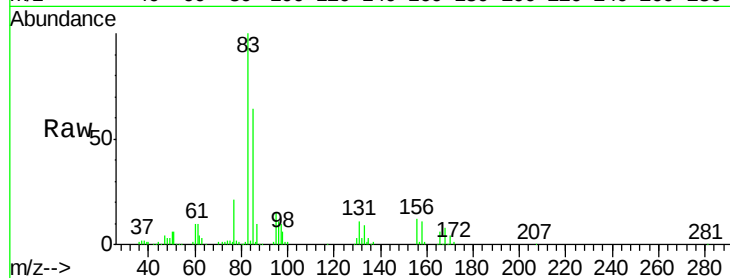
Tot Ion: 83 Resp: 147300

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

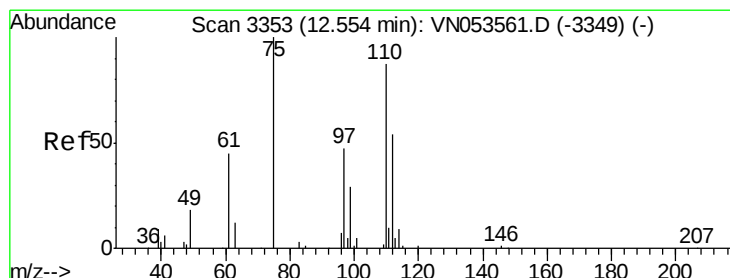
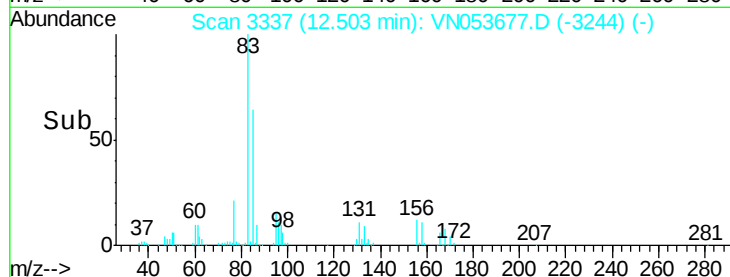
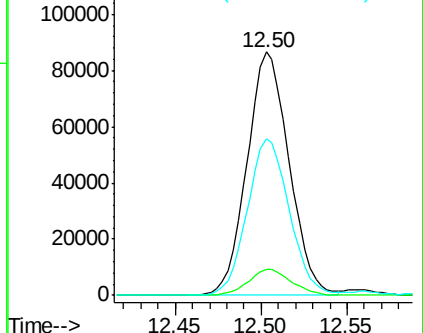
85 64.3 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.330 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053677.D

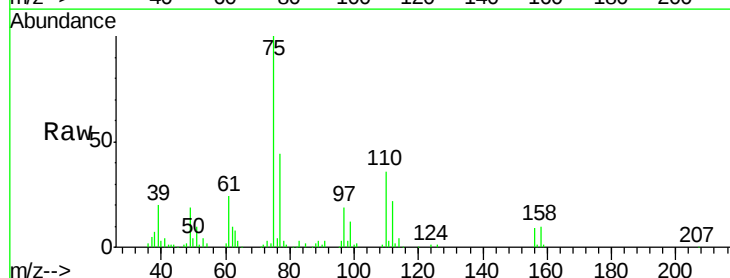
Acq: 8 Feb 2019 13:17

Tgt Ion: 75 Resp: 176079

Ion Ratio Lower Upper

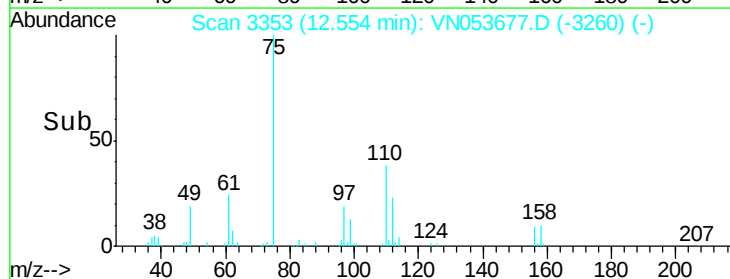
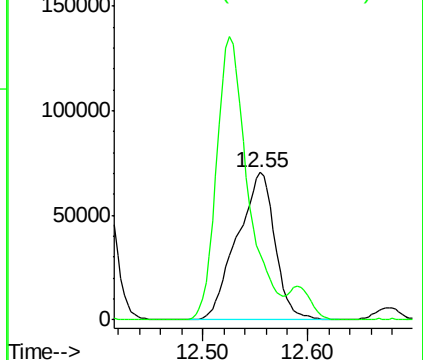
75 100

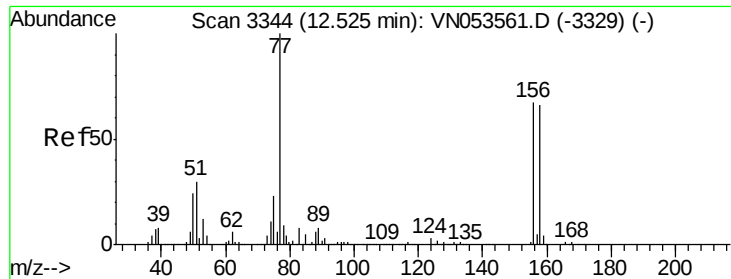
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.369 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0208WBS01

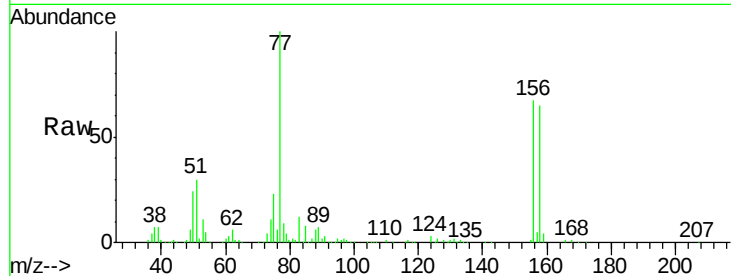
Tot Ion:156 Resp: 158722

Ion Ratio Lower Upper

156 100

77 176.5 87.9 263.8

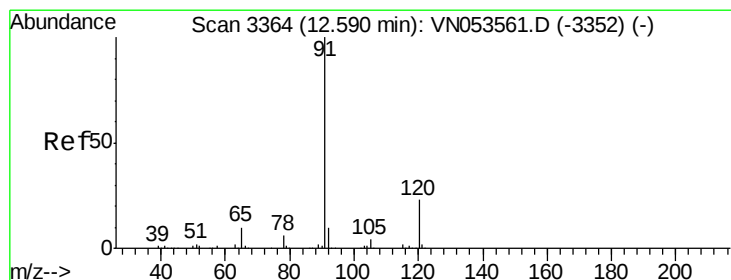
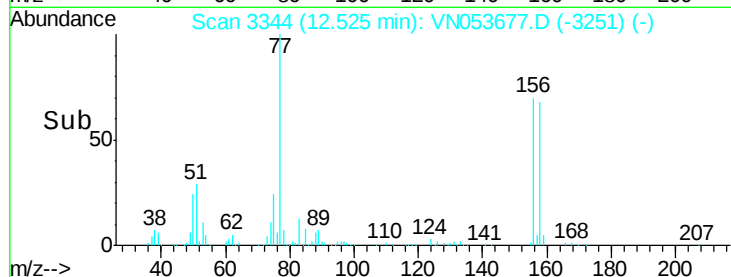
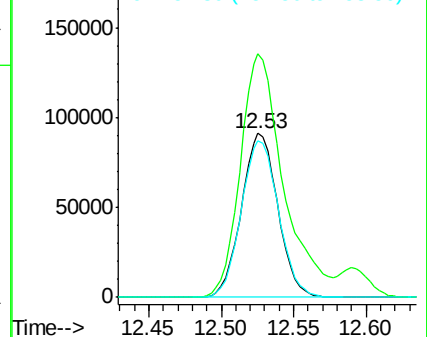
158 98.1 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.678 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053677.D

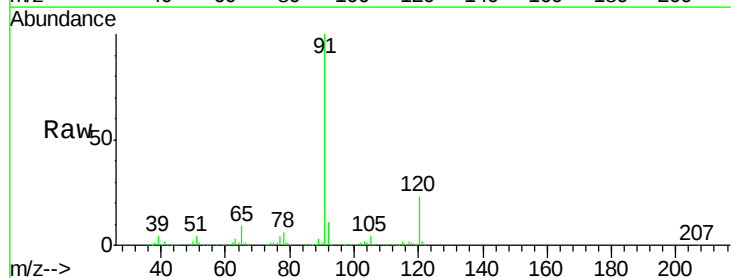
Acq: 8 Feb 2019 13:17

Tgt Ion: 91 Resp: 691165

Ion Ratio Lower Upper

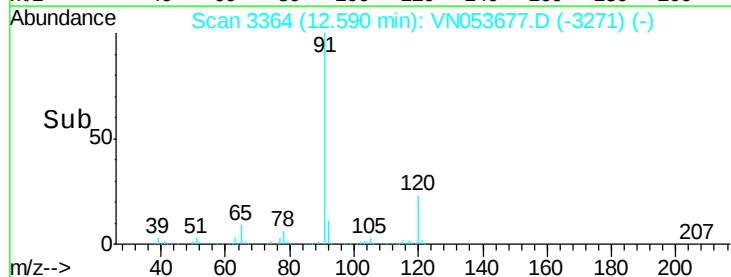
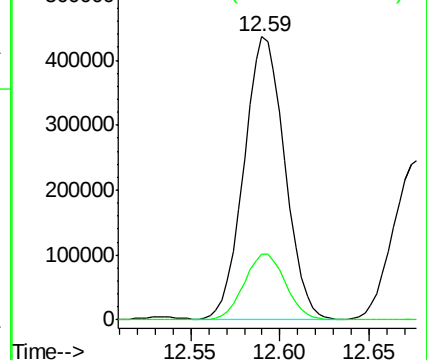
91 100

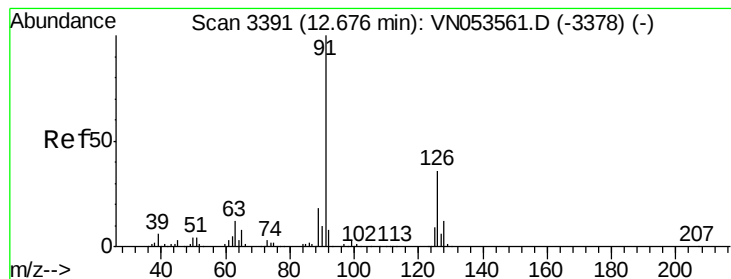
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.654 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

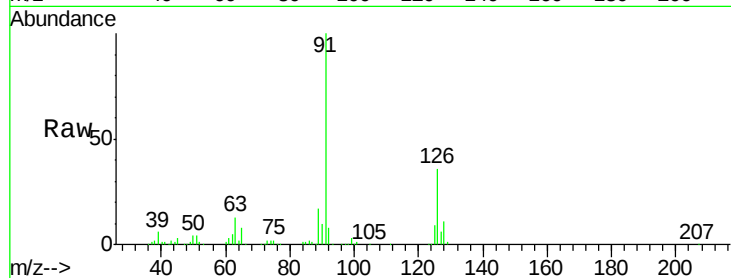
VN0208WBS01

Tot Ion: 91 Resp: 409575

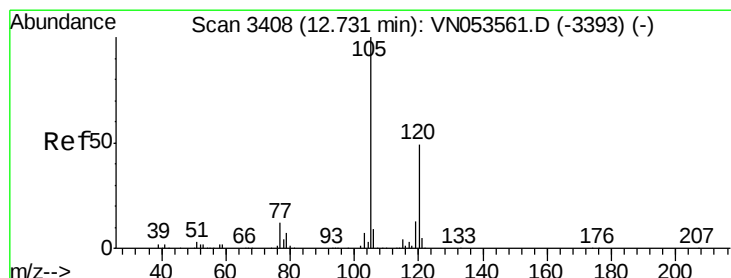
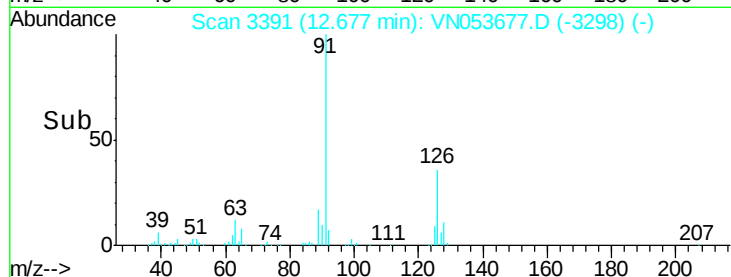
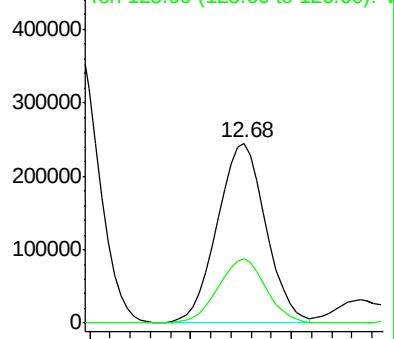
Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.398 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053677.D

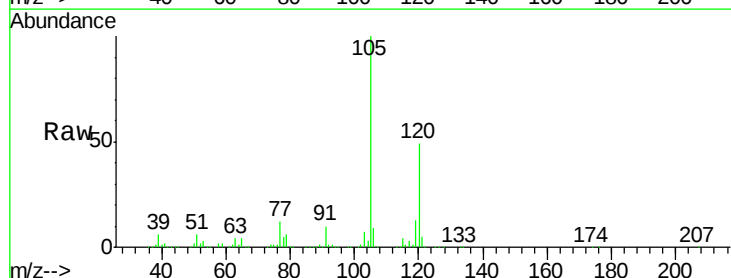
Acq: 8 Feb 2019 13:17

Tgt Ion: 105 Resp: 513054

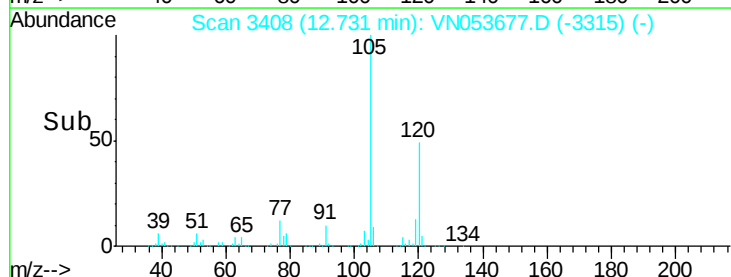
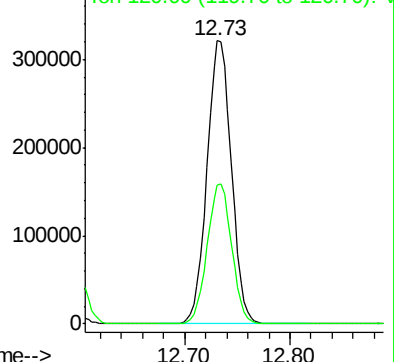
Ion Ratio Lower Upper

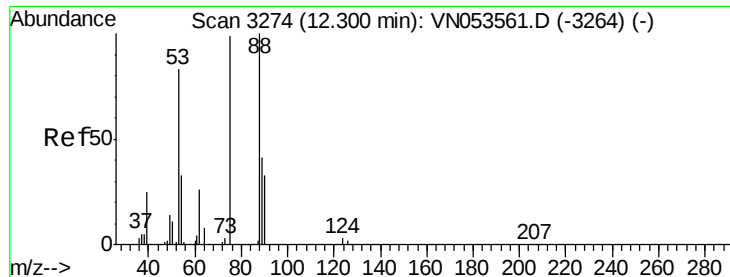
105 100

120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.707 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBS01

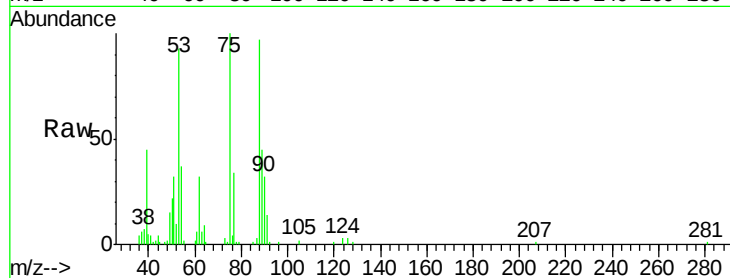
Tot Ion: 75 Resp: 37025

Ion Ratio Lower Upper

75 100

53 90.2 69.8 104.6

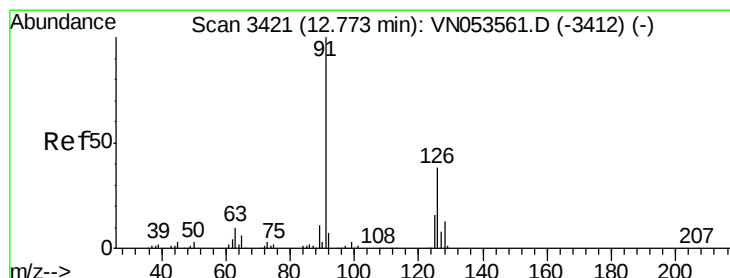
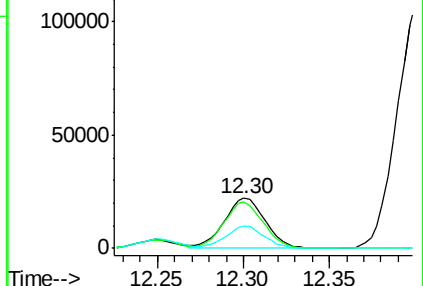
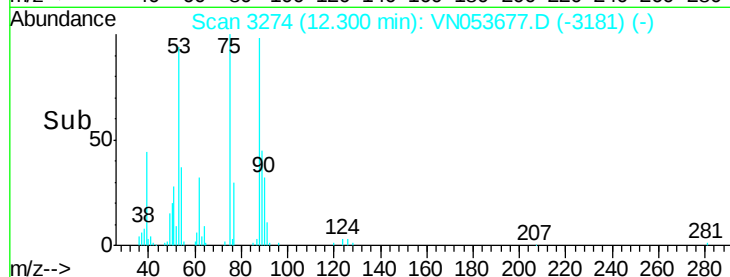
89 42.7 35.6 53.4



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: 20.103 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053677.D

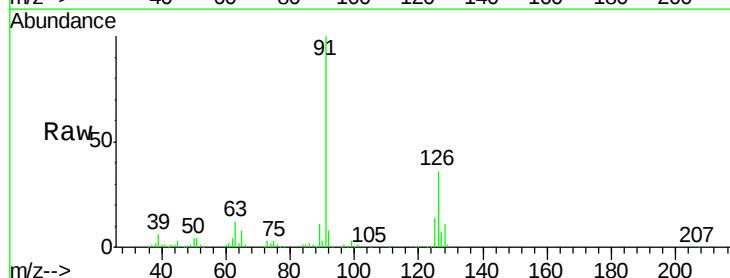
Acq: 8 Feb 2019 13:17

Tgt Ion: 91 Resp: 409063

Ion Ratio Lower Upper

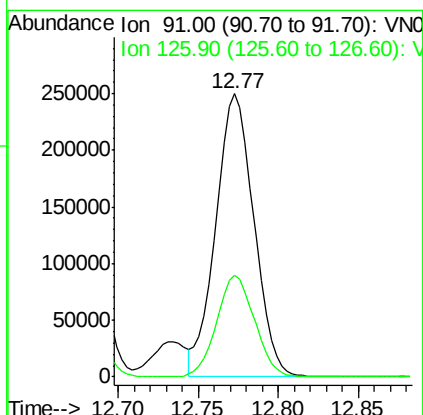
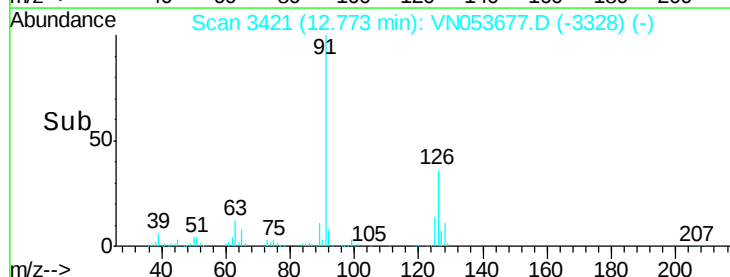
91 100

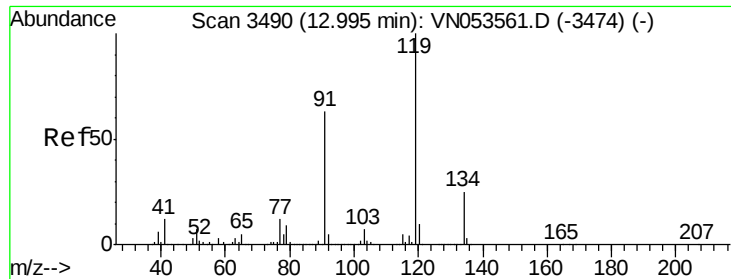
126 35.7 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): VN0

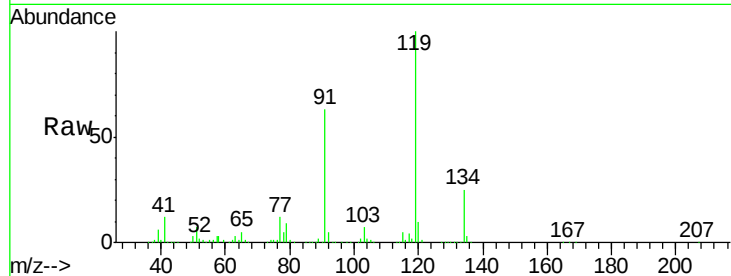




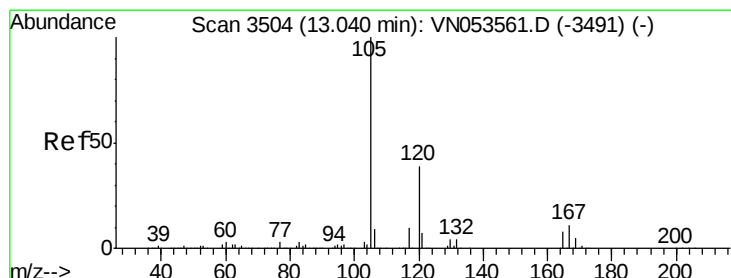
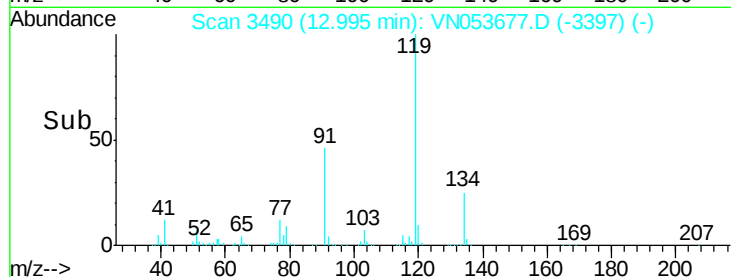
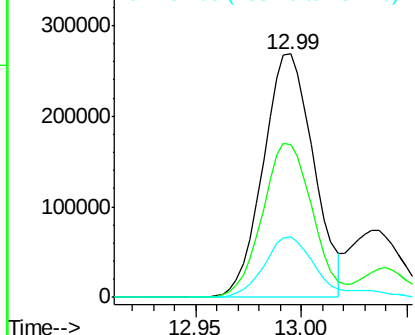
#83
 tert-Butylbenzene
 Concen: 21.087 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBS01

Tot Ion:119 Resp: 446848
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.3 93.8
 134 24.7 12.9 38.7

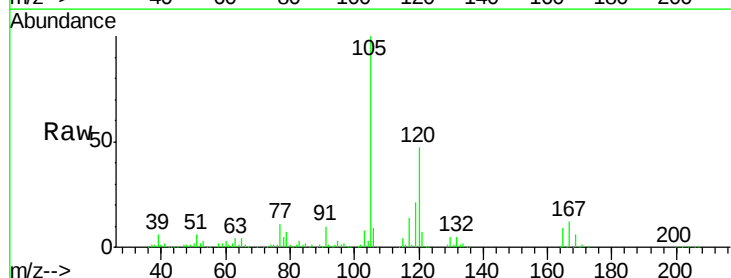


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

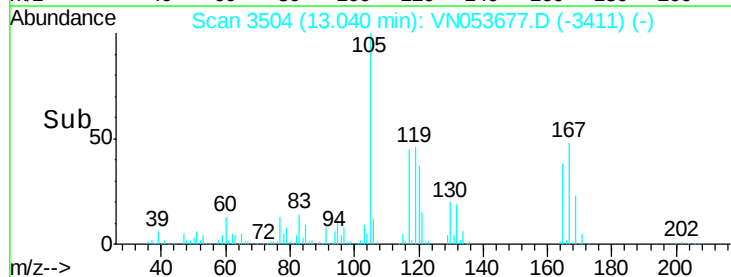
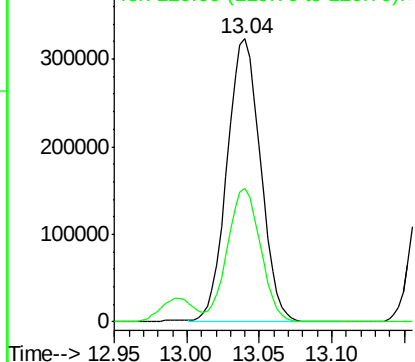


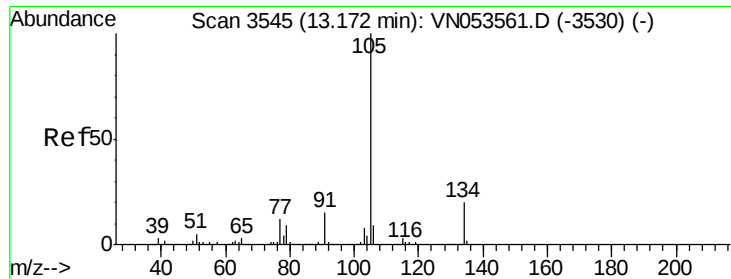
#84
 1,2,4-Trimethylbenzene
 Concen: 21.191 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Tgt Ion:105 Resp: 517639
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.514 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

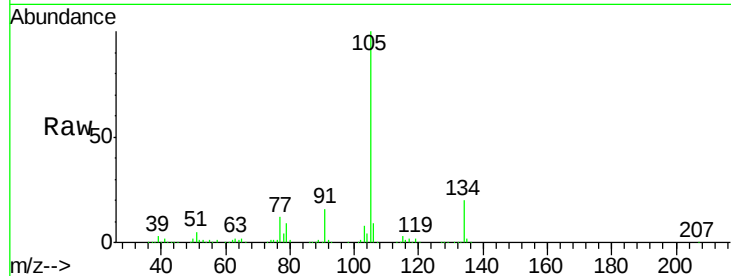
VN0208WBS01

Tot Ion:105 Resp: 620405

Ion Ratio Lower Upper

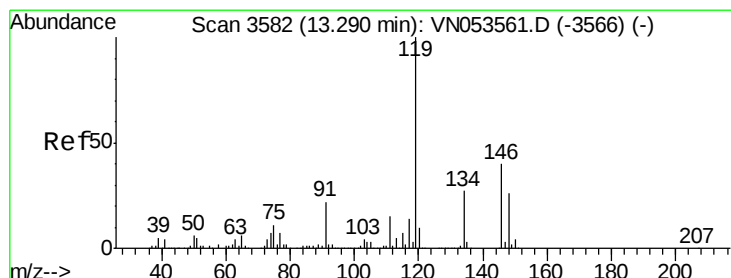
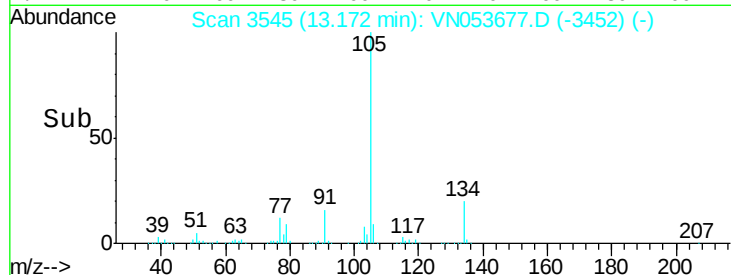
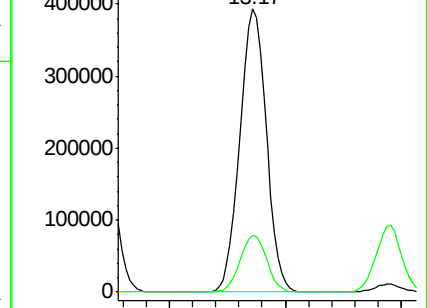
105 100

134 20.2 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.108 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

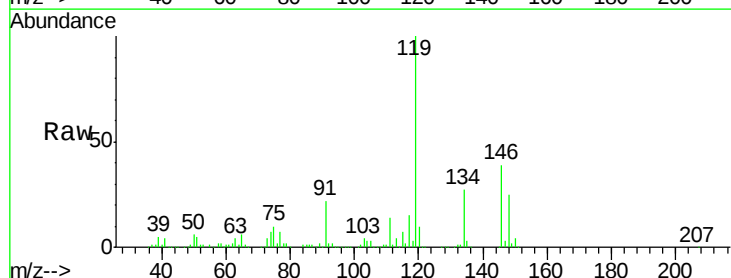
Tgt Ion:119 Resp: 532355

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

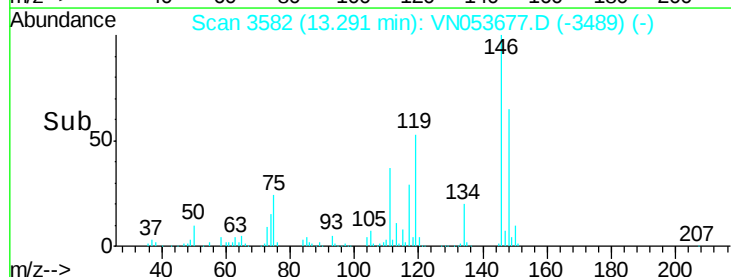
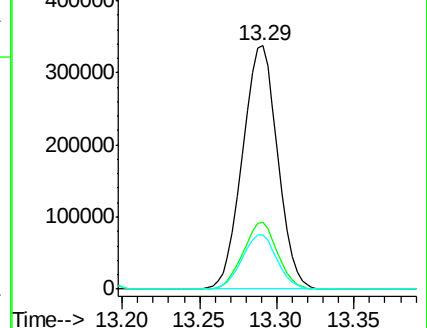
91 22.3 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

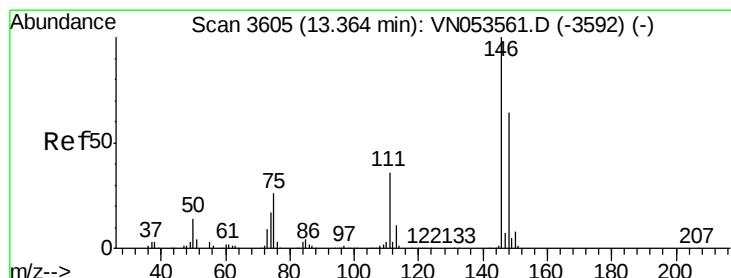
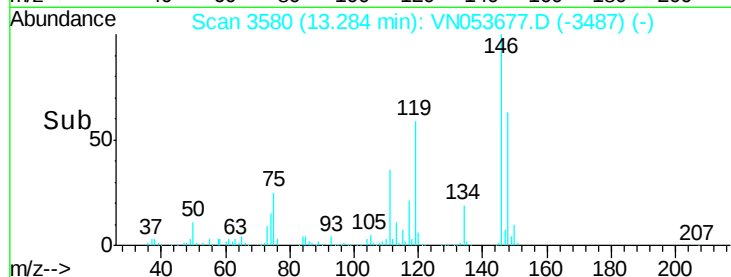
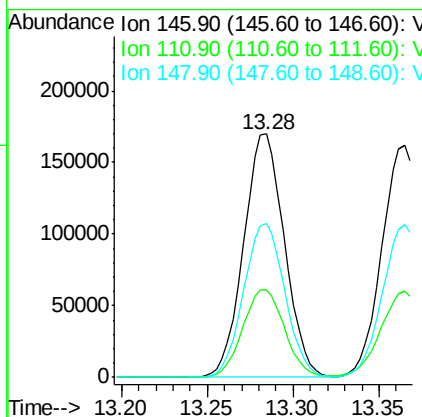
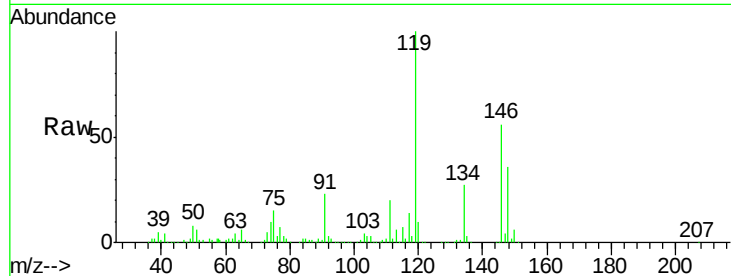




#87
 1,3-Dichlorobenzene
 Concen: 19.951 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

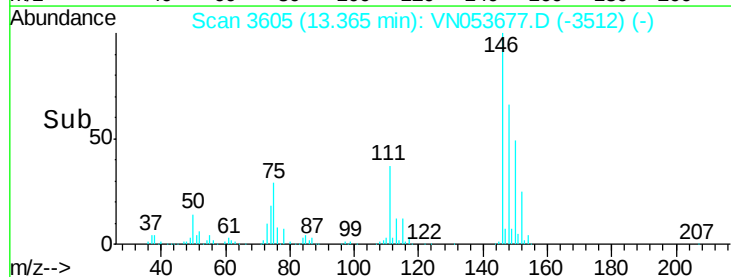
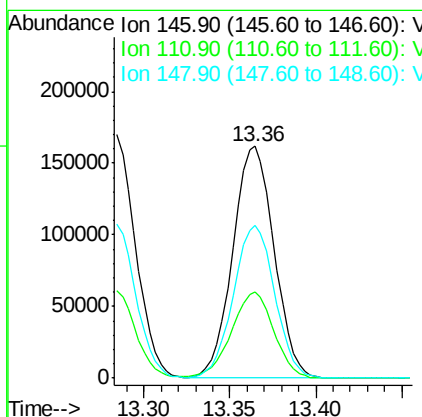
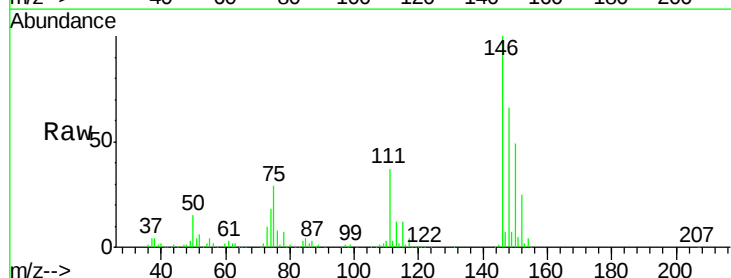
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBS01

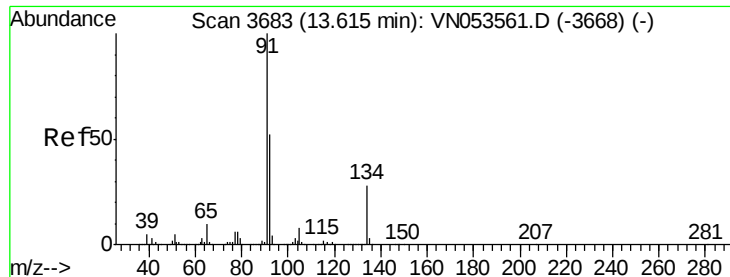
Tot Ion:146 Resp: 279478
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.3
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.586 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Tgt Ion:146 Resp: 271398
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.6 55.8
 148 66.0 32.4 97.0





#89

n-Butylbenzene

Concen: 20.215 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBS01

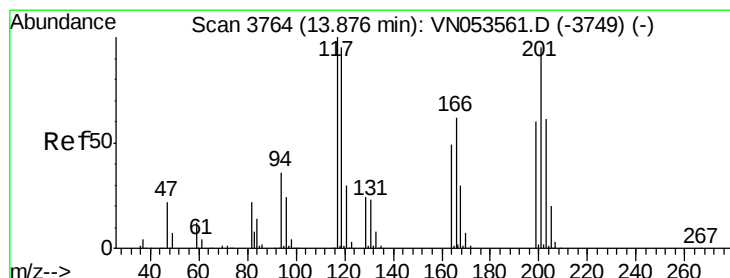
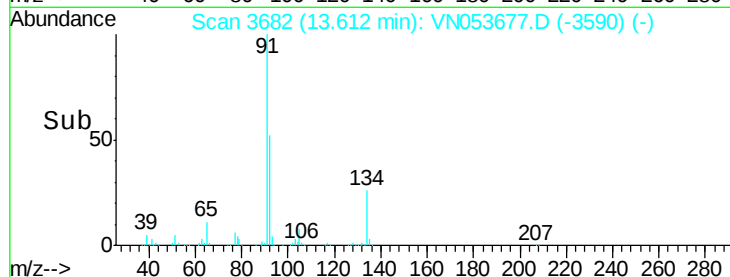
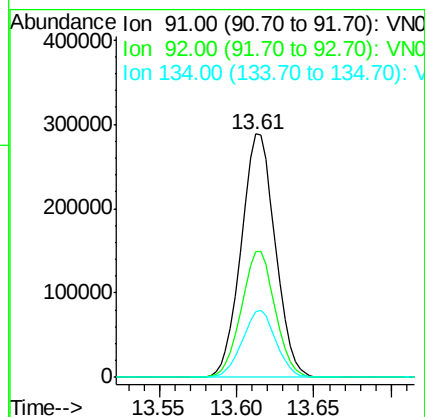
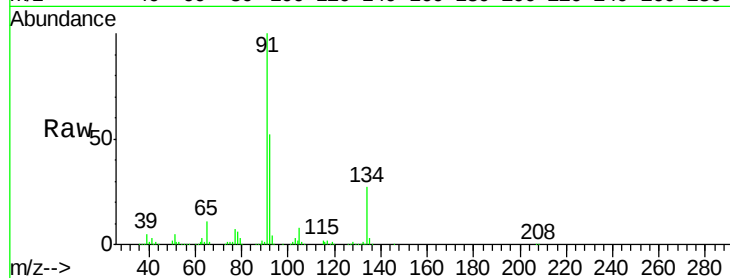
Tot Ion: 91 Resp: 441297

Ion Ratio Lower Upper

91 100

92 51.5 26.3 78.8

134 27.1 13.5 40.5



#90

Hexachloroethane

Concen: 21.787 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053677.D

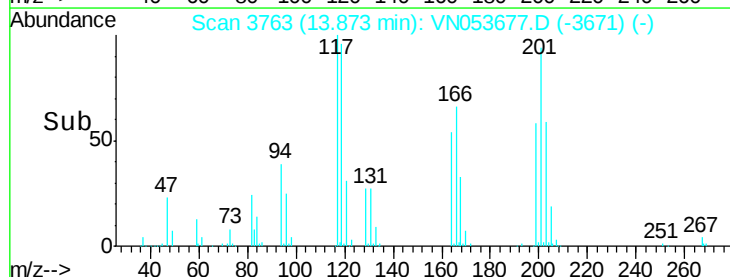
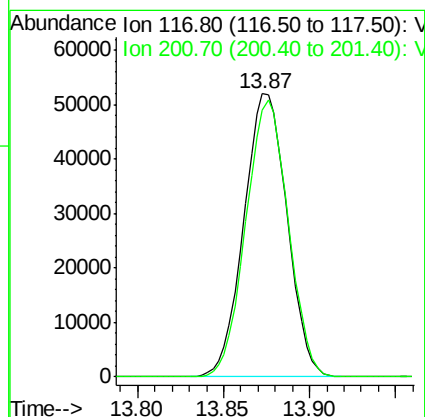
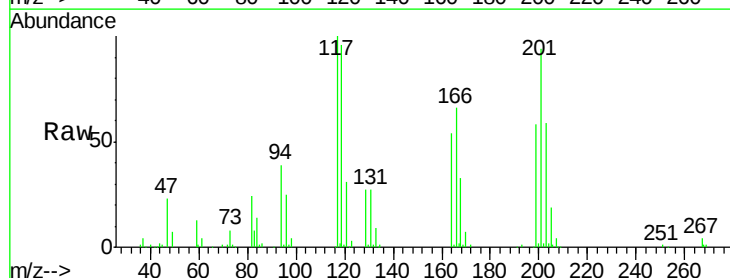
Acq: 8 Feb 2019 13:17

Tgt Ion: 117 Resp: 90634

Ion Ratio Lower Upper

117 100

201 95.7 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.321 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0208WBS01

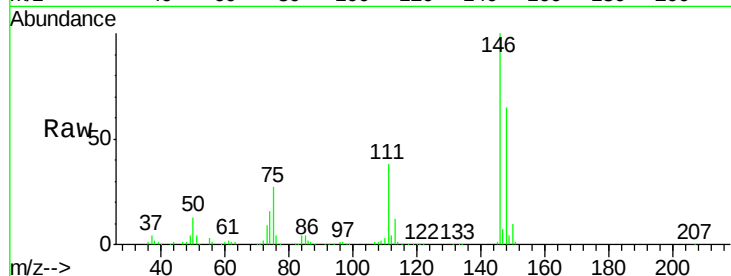
Tot Ion:146 Resp: 272515

Ion Ratio Lower Upper

146 100

111 38.6 19.5 58.5

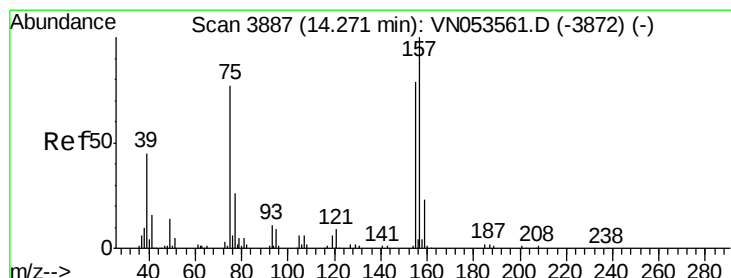
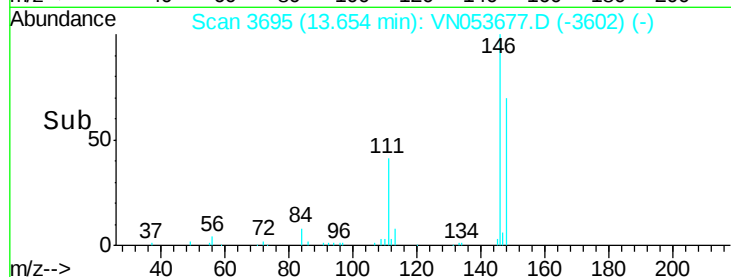
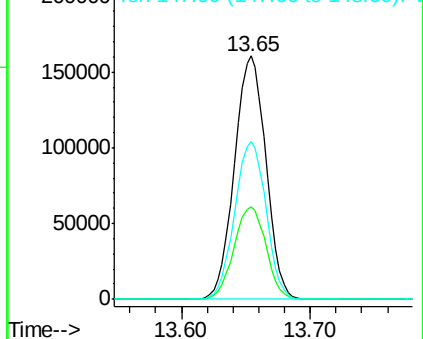
148 64.6 31.9 95.9



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: 22.187 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

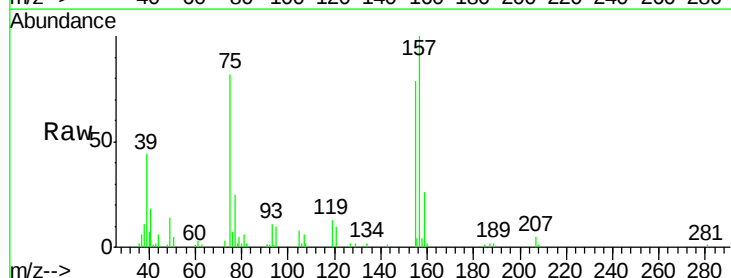
Tgt Ion: 75 Resp: 21881

Ion Ratio Lower Upper

75 100

155 98.6 48.9 146.7

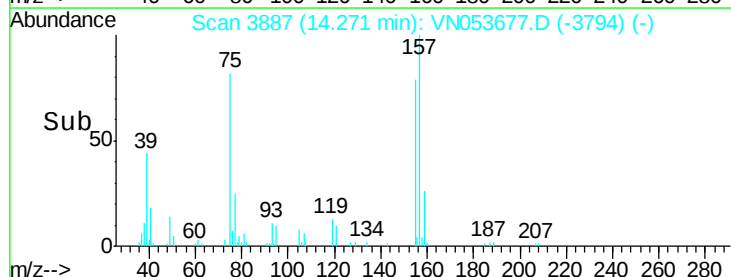
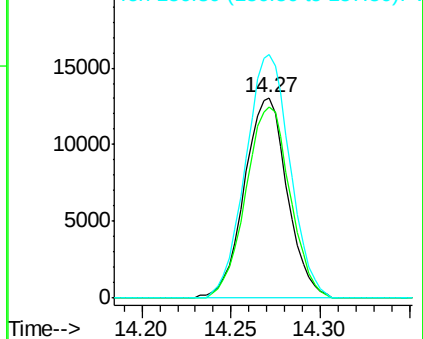
157 126.0 63.7 191.3



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

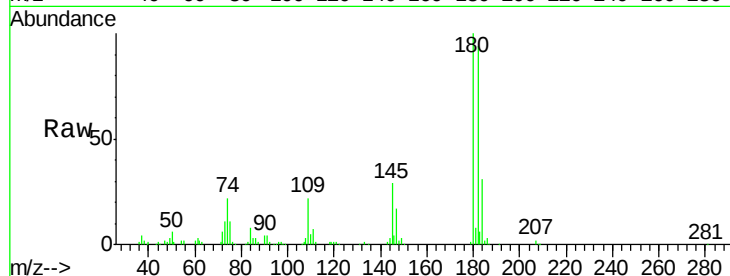




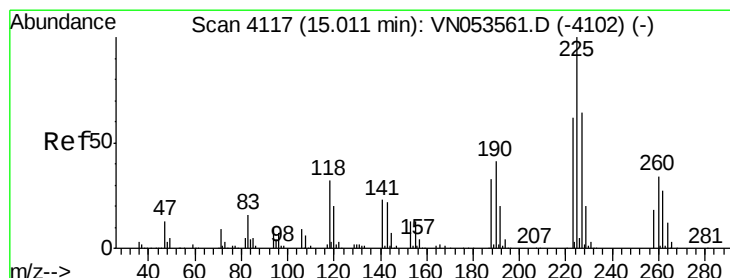
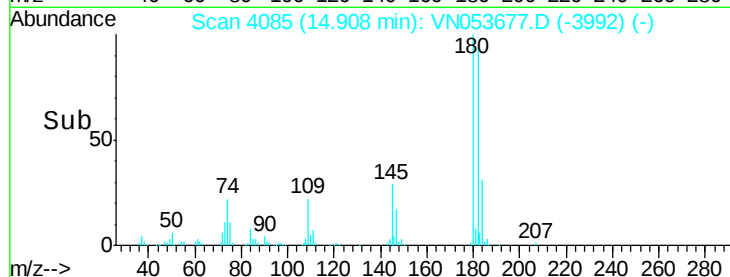
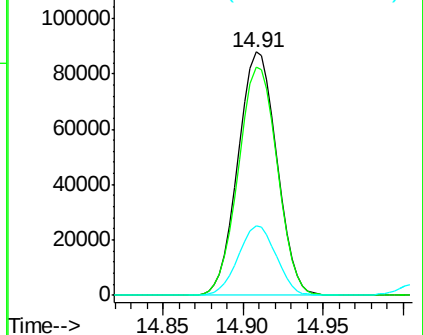
#93
 1,2,4-Trichlorobenzene
 Concen: 18.826 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.1	144.3
145	28.2	13.9	41.6

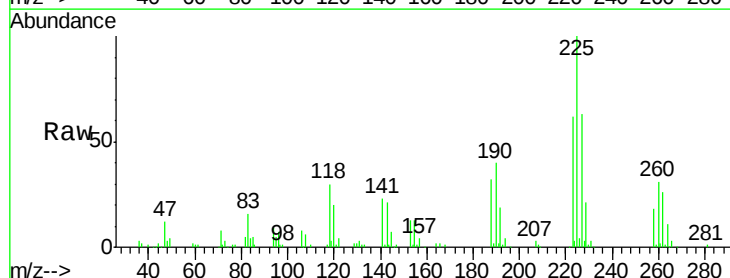


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

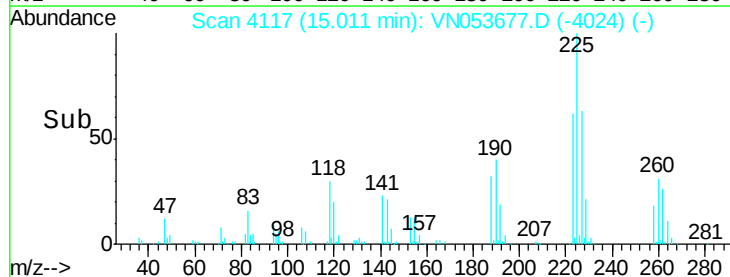
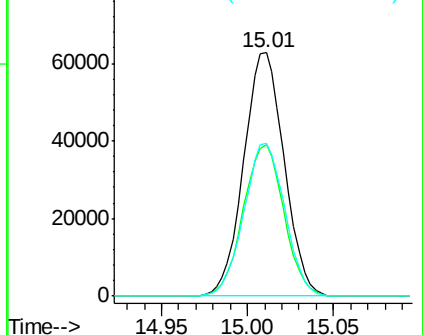


#94
 Hexachlorobutadiene
 Concen: 21.377 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053677.D
 Acq: 8 Feb 2019 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.2
227	63.4	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: 17.969 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBS01

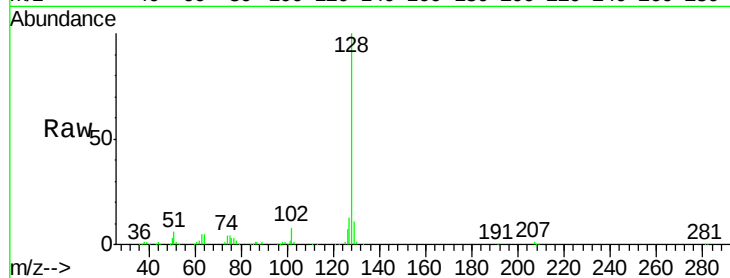
Tot Ion:128 Resp: 303844

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

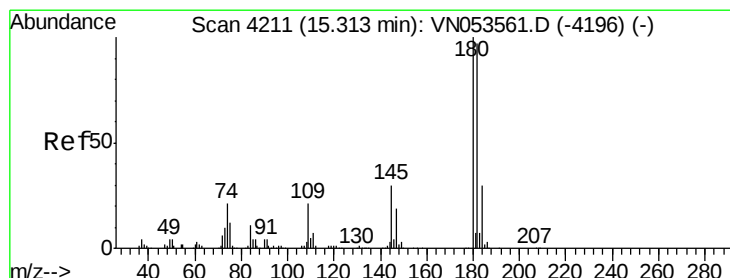
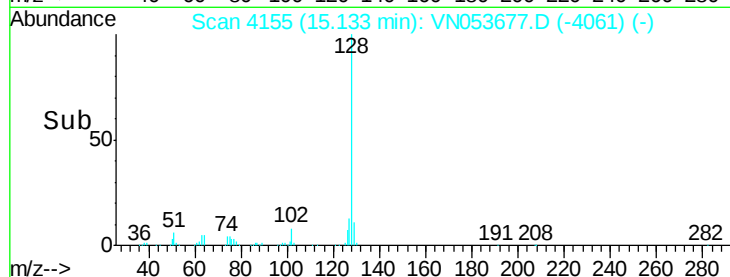
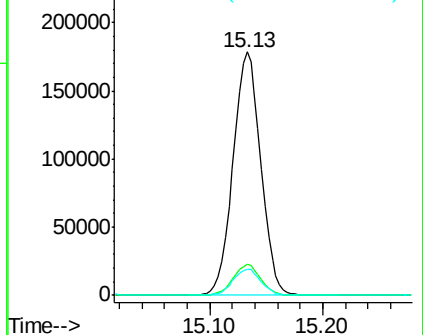
129 10.9 8.6 13.0



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: 19.708 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053677.D

Acq: 8 Feb 2019 13:17

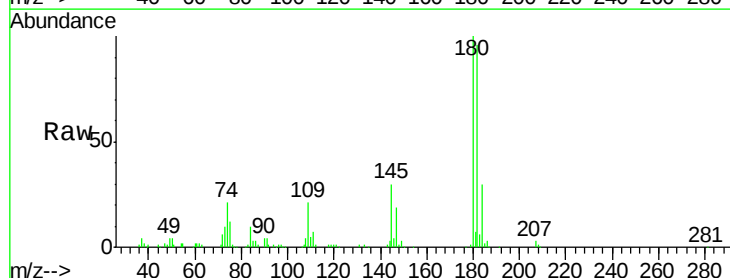
Tgt Ion:180 Resp: 140646

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.8

145 29.6 14.7 44.1



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

