

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061359.D
 Acq On : 8 May 2020 14:13
 Operator : JC/MD
 Sample : L2544-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:22:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	92750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	170854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	164994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	77448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	77678	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
35) Dibromofluoromethane	7.55	113	50619	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.06	98	216760	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.38	95	85993	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.73	59	610	3.103	ug/l #	72
13) Acrolein	3.76	56	1577	12.037	ug/l #	70
14) Allyl chloride	4.48	41	42194	23.254	ug/l #	65
16) Acetone	3.76	43	5653	4.535	ug/l #	47
18) Methyl Acetate	4.48	43	94344	50.914	ug/l #	55
20) Methylene Chloride	4.48	84	617	0.539	ug/l #	1
25) 2-Butanone	6.77	43	8426	9.703	ug/l #	53
29) Tetrahydrofuran	7.34	42	440	0.752	ug/l #	1
31) Cyclohexane	7.63	56	4191	1.963	ug/l #	42
36) 1,1-Dichloropropene	7.63	75	8500	4.970	ug/l #	48
37) Ethyl Acetate	6.77	43	8426	4.202	ug/l #	71
38) Carbon Tetrachloride	7.63	117	10109	8.468	ug/l #	17
39) Methylcyclohexane	9.02	83	14953	7.796	ug/l #	26
41) Methacrylonitrile	7.35	41	4583	5.505	ug/l #	100
43) Isopropyl Acetate	8.17	43	115884	34.825	ug/l #	57
47) Bromodichloromethane	9.34	83	1906	1.054	ug/l #	25
48) Methyl methacrylate	9.19	41	22109	14.724	ug/l #	38
51) 4-Methyl-2-Pentanone	9.99	43	7294	3.724	ug/l #	79
55) 1,1,2-Trichloroethane	10.50	97	4948	4.042	ug/l #	22
56) Ethyl methacrylate	10.36	69	1296	3.301	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.63	63	1000	1.009	ug/l #	49
65) Chlorobenzene	11.41	112	70785	21.627	ug/l #	100
71) Bromoform	12.37	173	186	0.216	ug/l #	29
73) Isopropylbenzene	12.22	105	24621	4.324	ug/l #	99
74) N-amyl acetate	12.05	43	1562	0.542	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.45	83	980	0.552	ug/l #	25
76) 1,2,3-Trichloropropane	12.38	75	46961	28.761	ug/l #	100
78) n-propylbenzene	12.56	91	2999	0.444	ug/l #	69
81) trans-1,4-Dichloro-2-buten	12.38	75	46961	73.038	ug/l #	8
82) 4-Chlorotoluene	12.56	91	2999	0.717	ug/l #	43
83) tert-Butylbenzene	12.97	119	32283	8.125	ug/l #	93
84) 1,2,4-Trimethylbenzene	13.15	105	67311	13.864	ug/l #	32
85) sec-Butylbenzene	13.15	105	67311	12.425	ug/l #	38
86) p-Isopropyltoluene	13.42	119	121622	24.918	ug/l #	97

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QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration

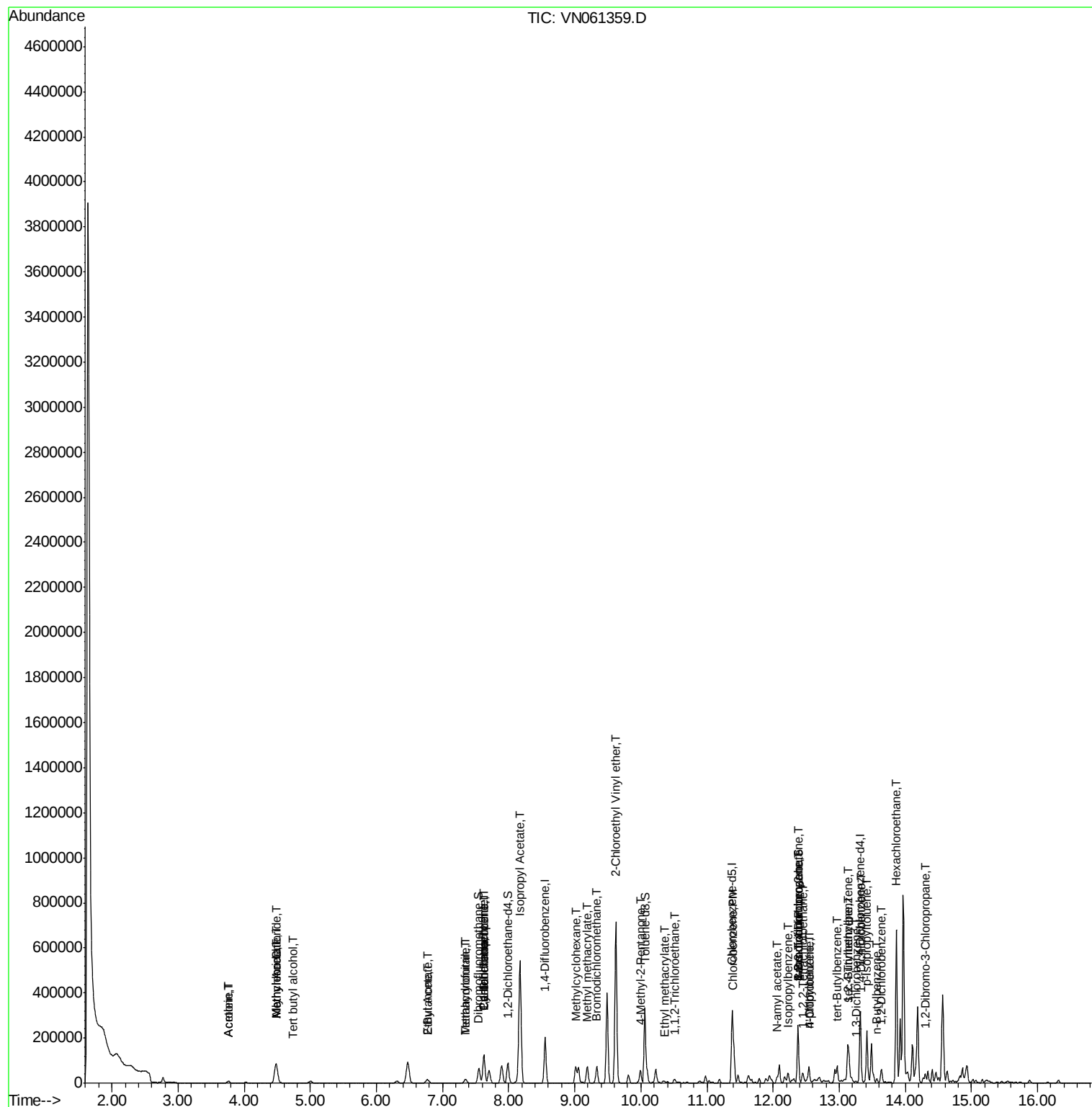
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.26	146	1314	0.543	ug/l #	76
88) 1,4-Dichlorobenzene	13.34	146	3025	1.224	ug/l #	62
89) n-Butylbenzene	13.57	91	3010	0.673	ug/l #	5
90) Hexachloroethane	13.86	117	33553	63.479	ug/l #	14
91) 1,2-Dichlorobenzene	13.62	146	840	0.362	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.30	75	202	0.539	ug/l #	7

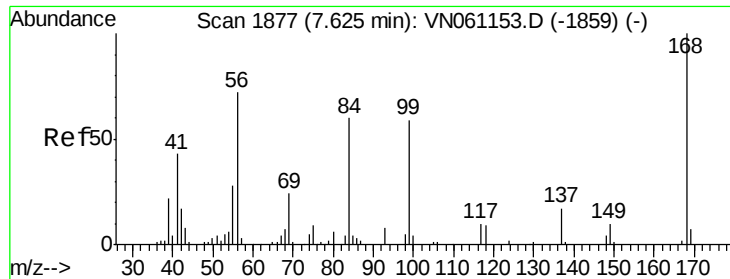
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

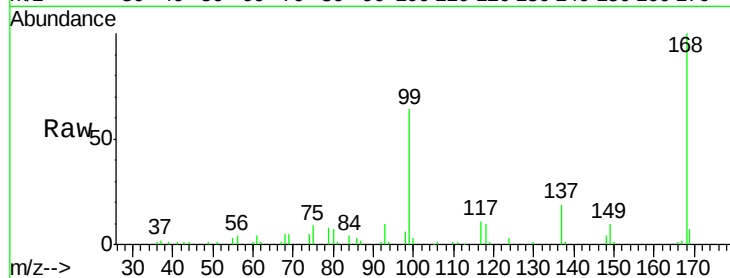
ClientSampled :

Tot Ion:168 Resp: 92750

Ion Ratio Lower Upper

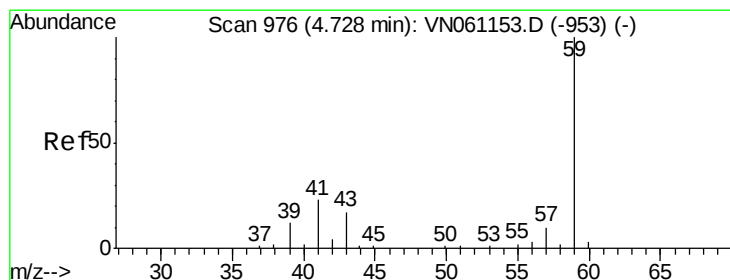
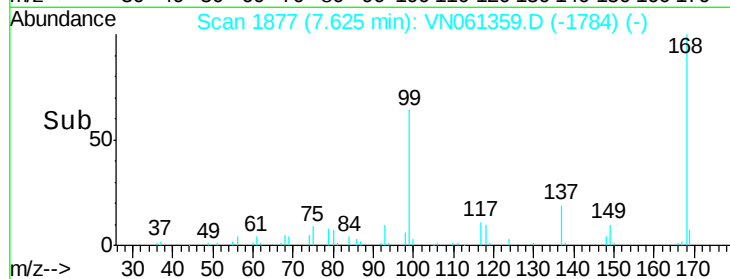
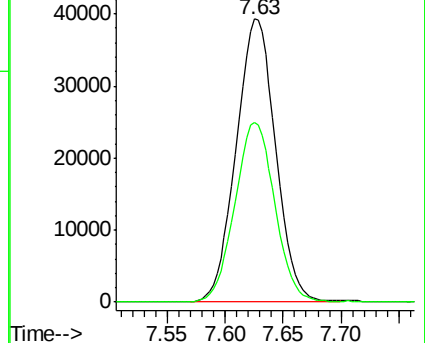
168 100

99 63.7 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 3.103 ug/l

RT: 4.73 min Scan# 977

Delta R.T. 0.00 min

Lab File: VN061359.D

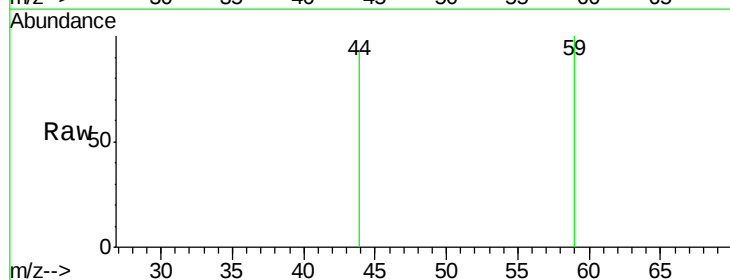
Acq: 8 May 2020 14:13

Tgt Ion: 59 Resp: 610

Ion Ratio Lower Upper

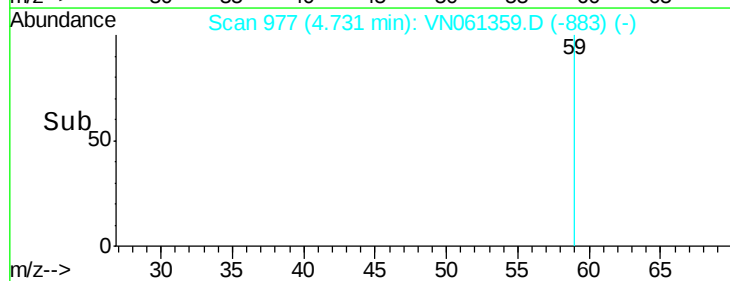
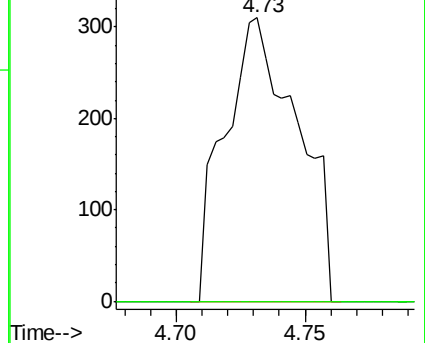
59 100

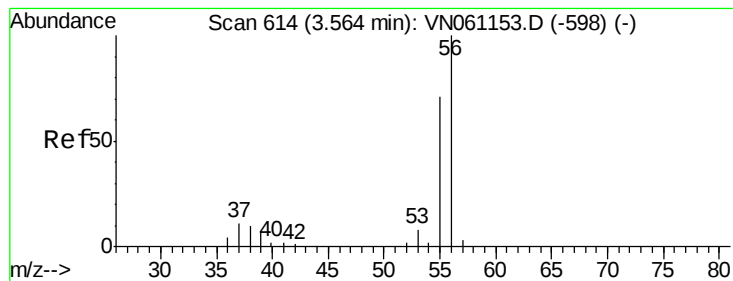
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 12.037 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.19 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

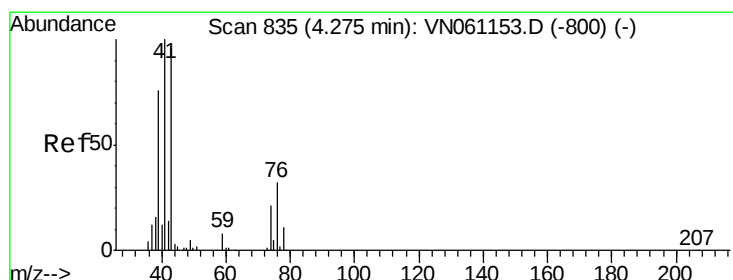
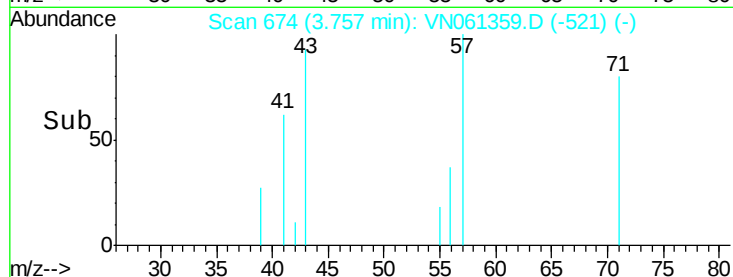
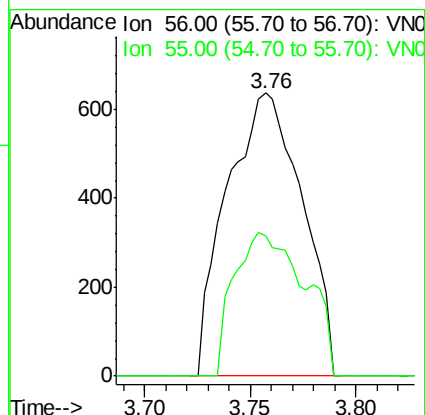
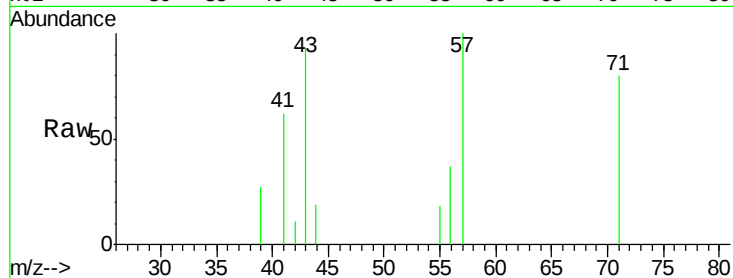
ClientSampleId :

Tot Ion: 56 Resp: 1577

Ion Ratio Lower Upper

56 100

55 47.7 58.5 87.7#



#14

Allyl chloride

Concen: 23.254 ug/l

RT: 4.48 min Scan# 899

Delta R.T. 0.21 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

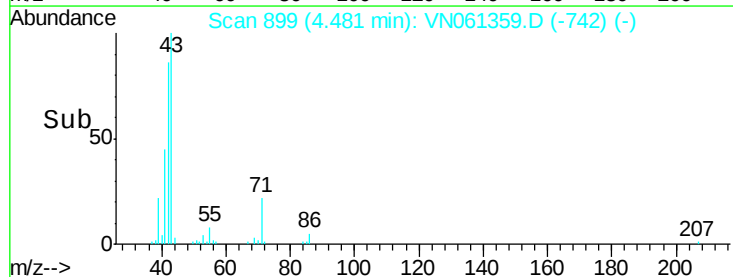
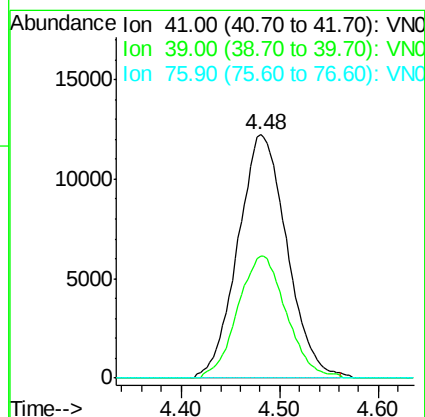
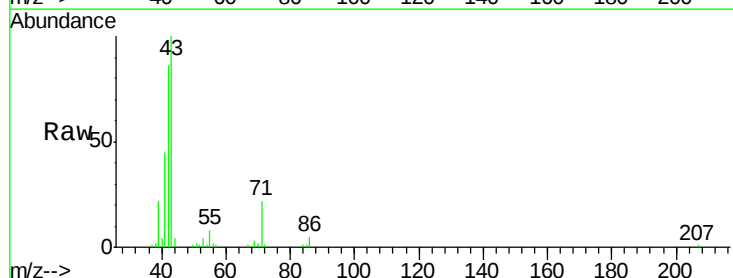
Tgt Ion: 41 Resp: 42194

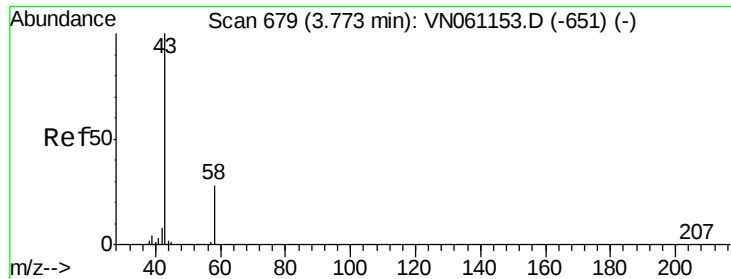
Ion Ratio Lower Upper

41 100

39 49.6 57.1 85.7#

76 0.0 24.3 36.5#

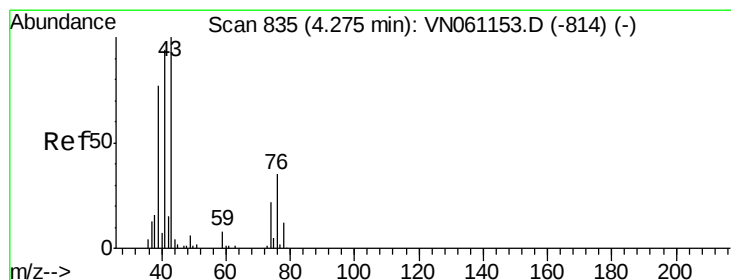
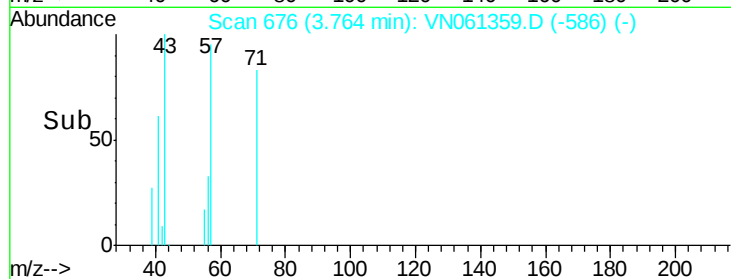
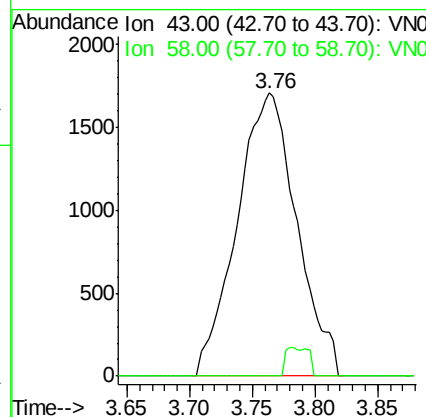
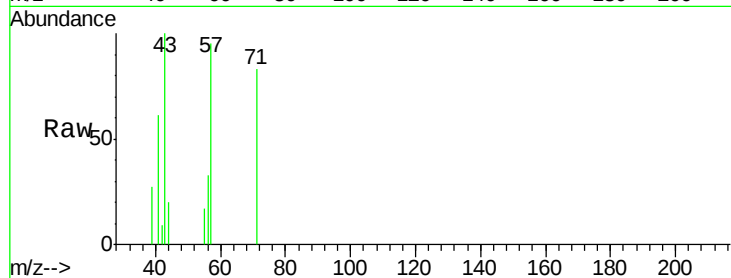




#16
Acetone
Concen: 4.535 ug/l
RT: 3.76 min Scan# 676
Delta R.T. -0.01 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

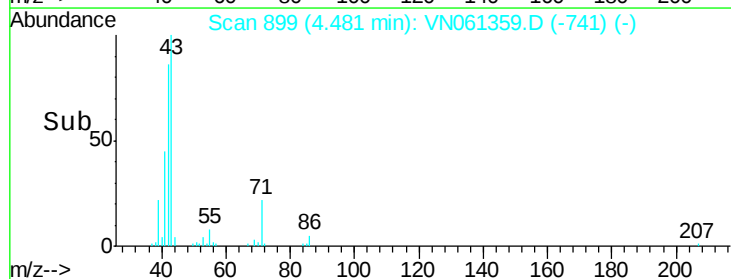
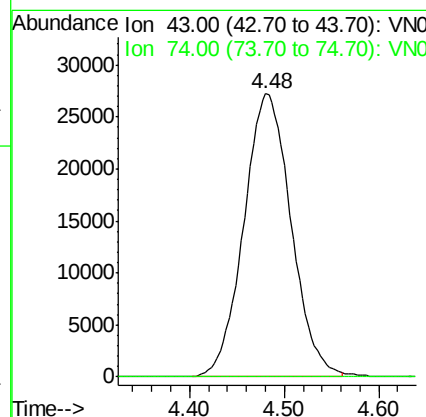
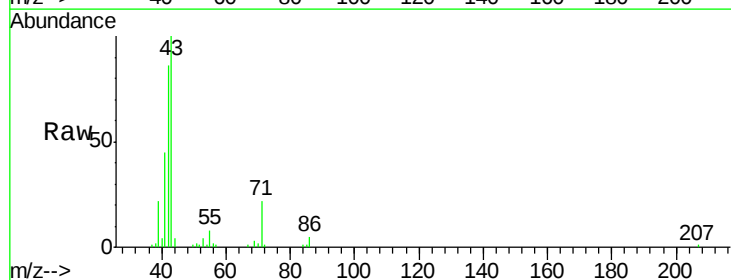
Instrument :
MSVOA_N
ClientSampleId :

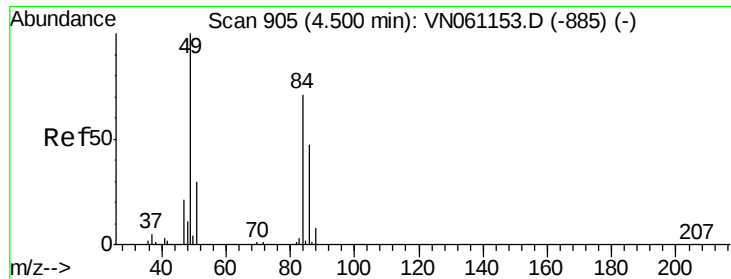
Tot Ion: 43 Resp: 5653
Ion Ratio Lower Upper
43 100
58 0.0 22.2 33.2#



#18
Methyl Acetate
Concen: 50.914 ug/l
RT: 4.48 min Scan# 899
Delta R.T. 0.21 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

Tgt Ion: 43 Resp: 94344
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#

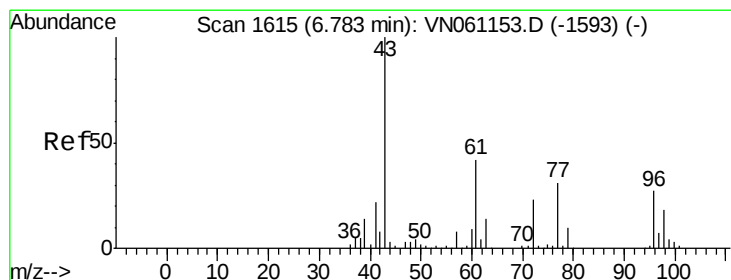
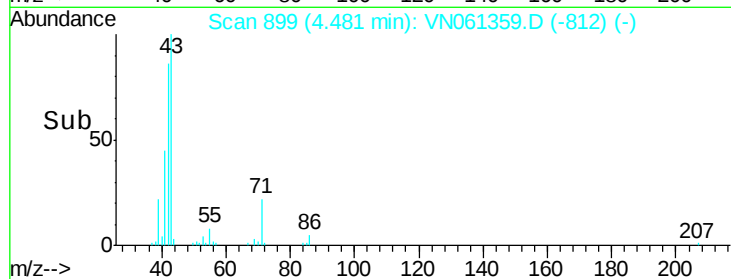
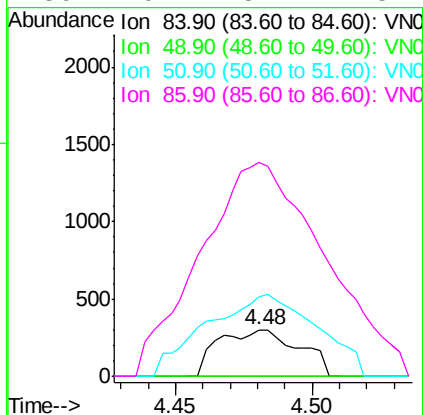
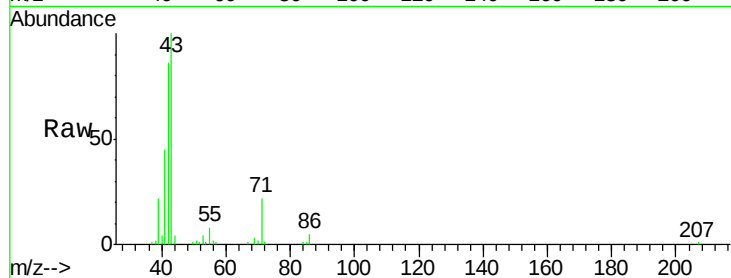




#20
Methvlene Chloride
Concen: 0.539 ug/l
RT: 4.48 min Scan# 899
Delta R.T. -0.02 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

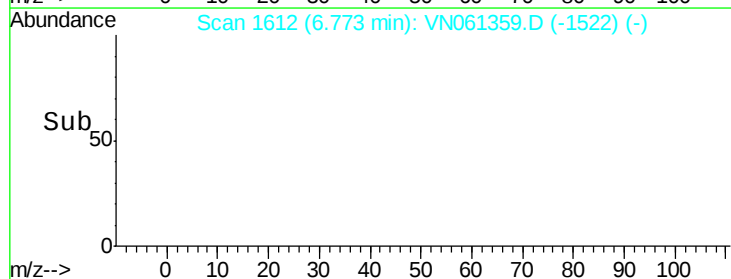
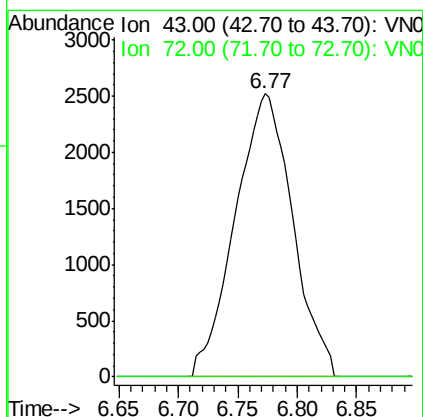
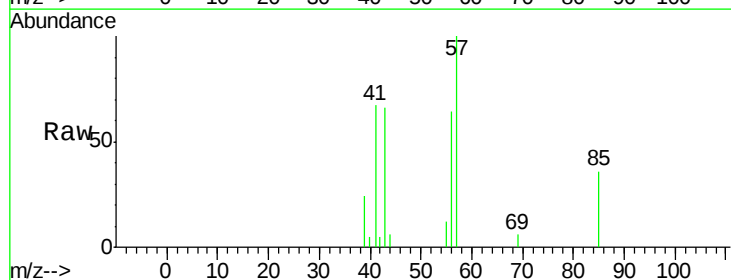
Instrument :
MSVOA_N
ClientSampleId :

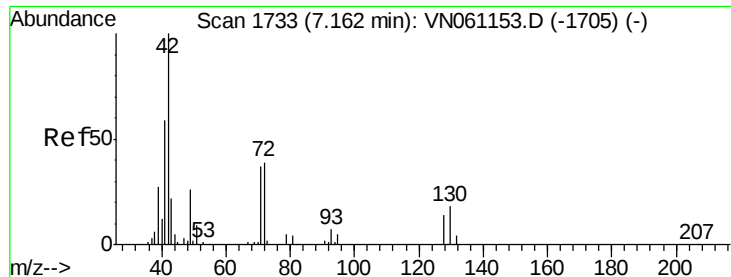
Tot Ion: 84 Resp: 617
Ion Ratio Lower Upper
84 100
49 0.0 112.0 168.0#
51 97.4 33.6 50.4#
86 249.7 52.1 78.1#



#25
2-Butanone
Concen: 9.703 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

Tgt Ion: 43 Resp: 8426
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#

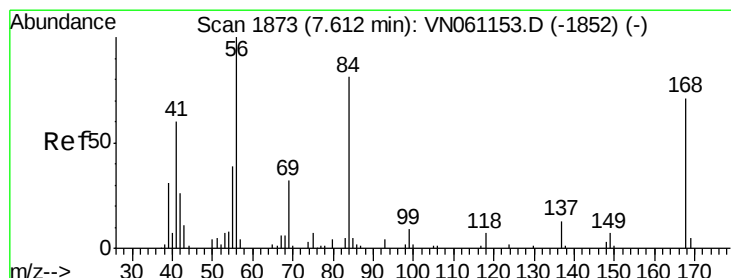
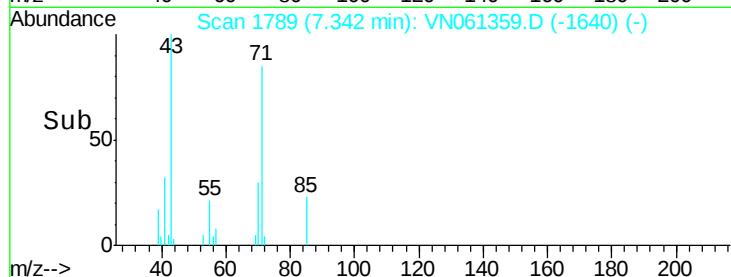
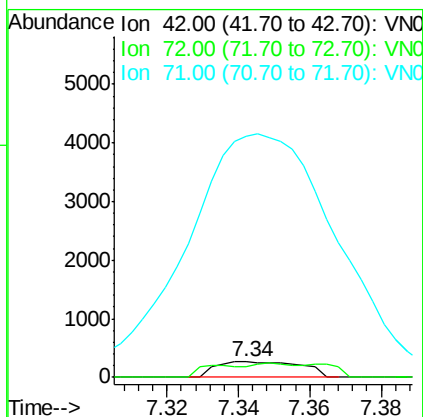
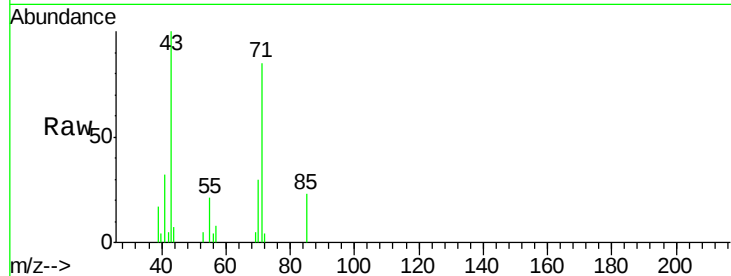




#29
Tetrahydrofuran
Concen: 0.752 ug/l
RT: 7.34 min Scan# 1789
Delta R.T. 0.18 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

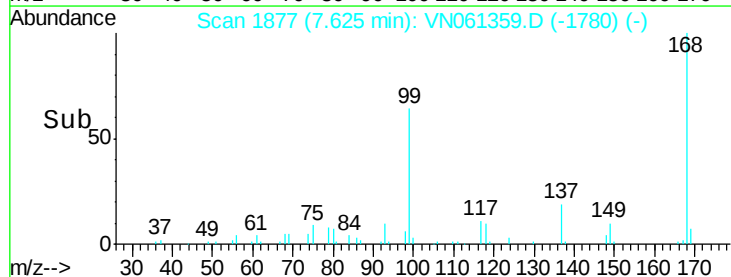
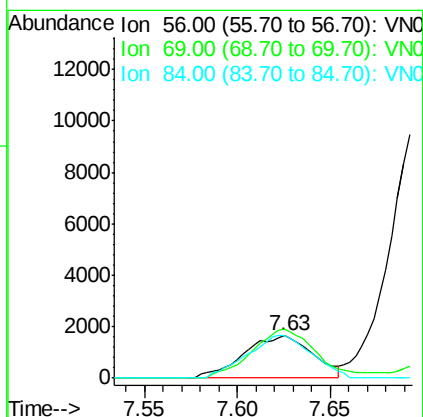
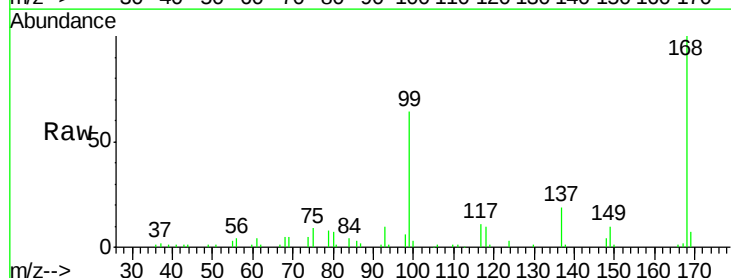
Instrument :
MSVOA_N
ClientSampled :

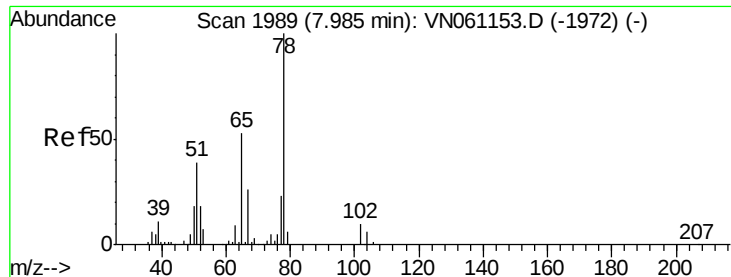
Tot Ion: 42 Resp: 440
Ion Ratio Lower Upper
42 100
72 17.3 31.4 47.0#
71 2811.4 29.5 44.3#



#31
Cyclohexane
Concen: 1.963 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

Tgt Ion: 56 Resp: 4191
Ion Ratio Lower Upper
56 100
69 115.1 25.7 38.5#
84 99.8 64.6 97.0#

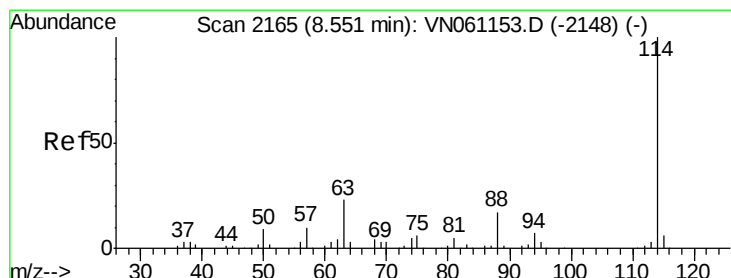
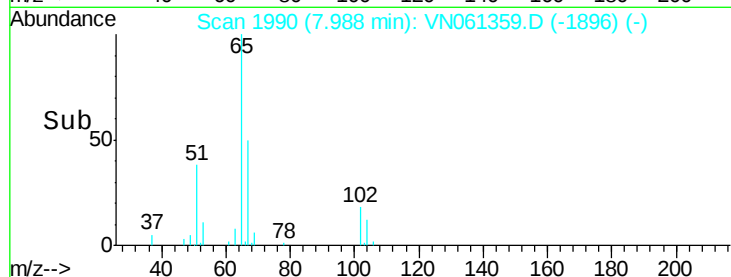
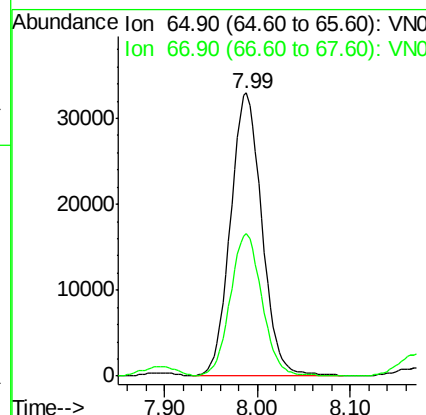
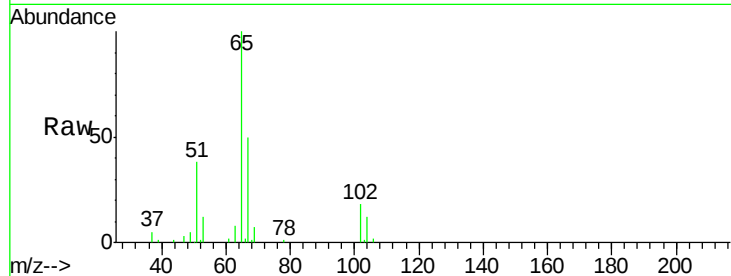




#33
 1,2-Dichloroethane-d4
 Concen: 52.929 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

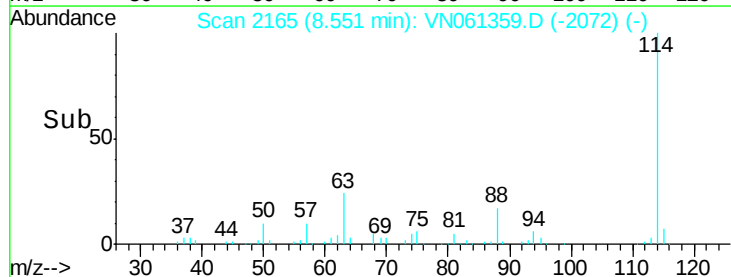
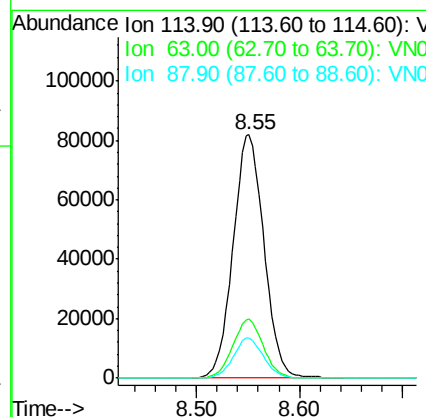
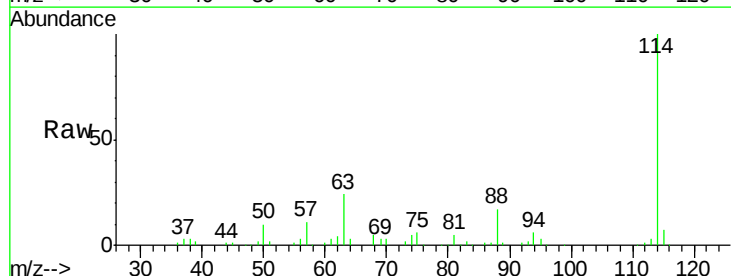
Instrument :
 MSVOA_N
 ClientSampleId :

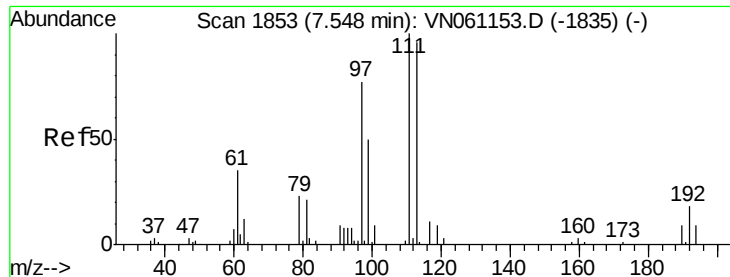
Tot Ion: 65 Resp: 77678
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

Tgt Ion: 114 Resp: 170854
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.6
 88 16.5 0.0 33.4

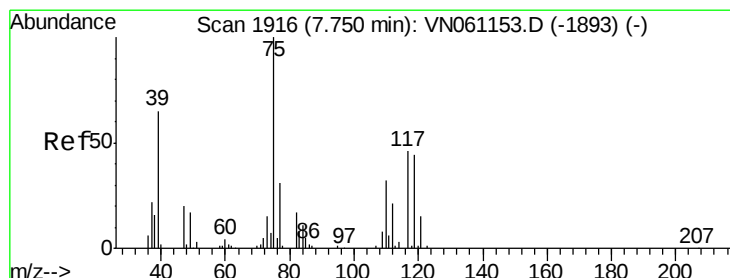
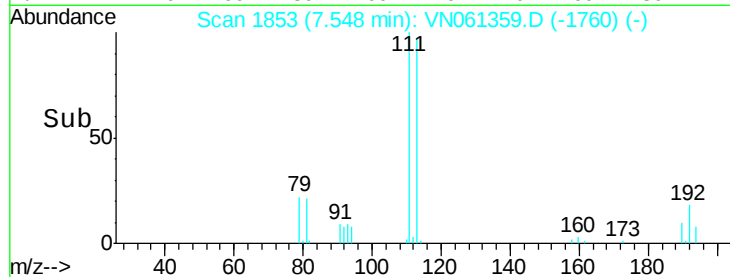
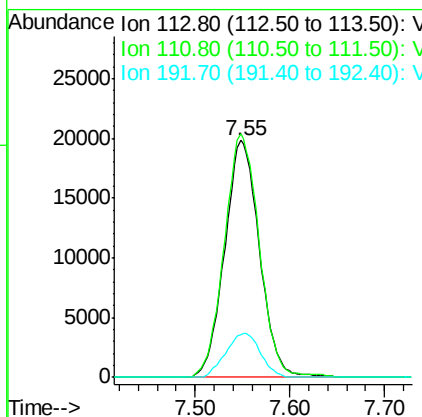
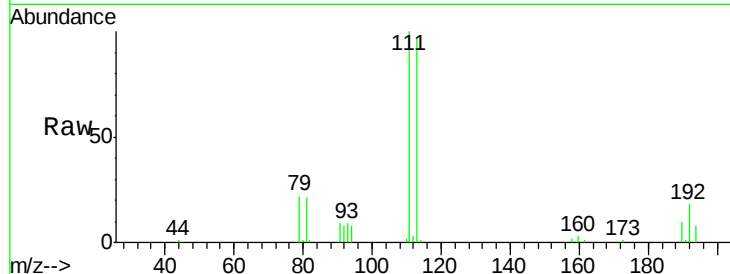




#35
 Dibromofluoromethane
 Concen: 50.103 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

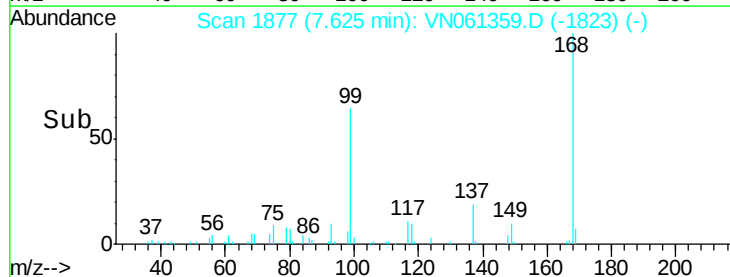
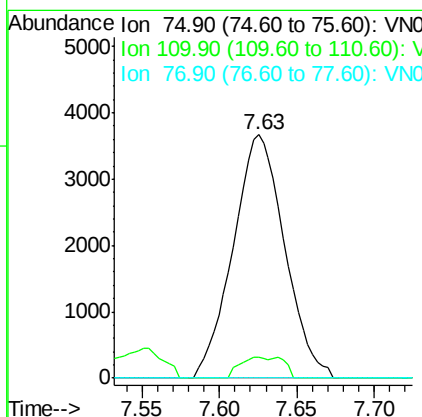
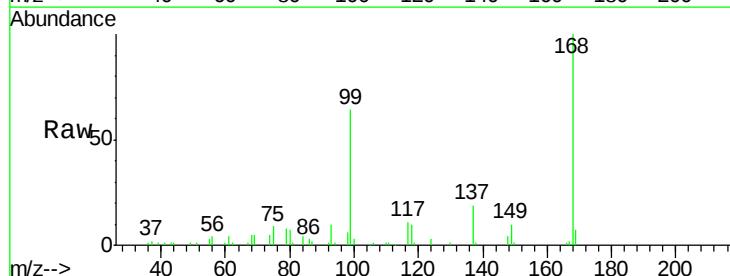
Instrument :
 MSVOA_N
 ClientSampleId :

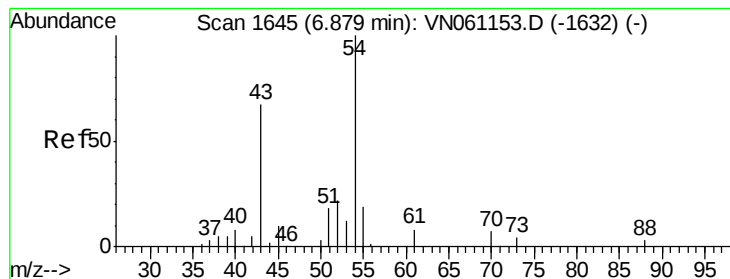
Tot Ion:113 Resp: 50619
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 18.4 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

Tgt Ion: 75 Resp: 8500
 Ion Ratio Lower Upper
 75 100
 110 4.7 16.0 48.0#
 77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 4.202 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.11 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :
MSVOA_N
ClientSampleId :

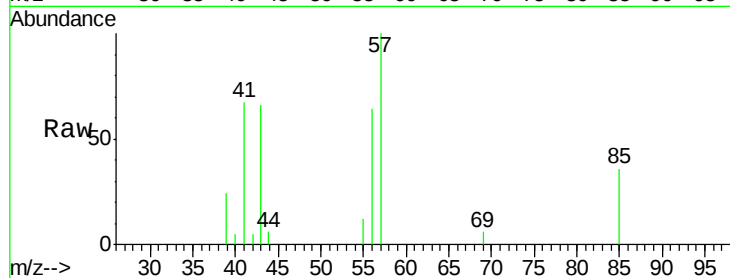
Tot Ion: 43 Resp: 8426

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

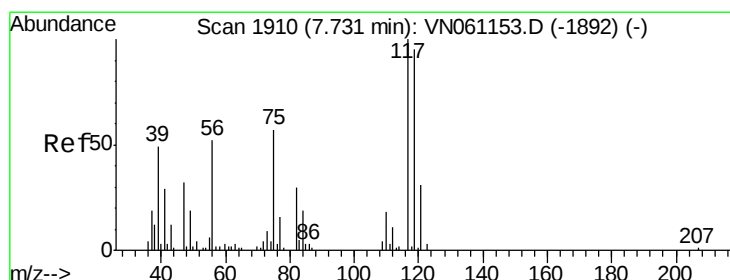
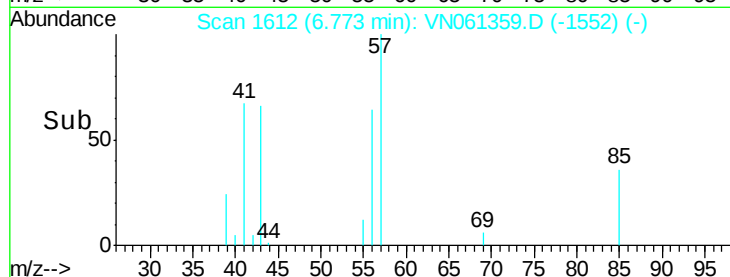
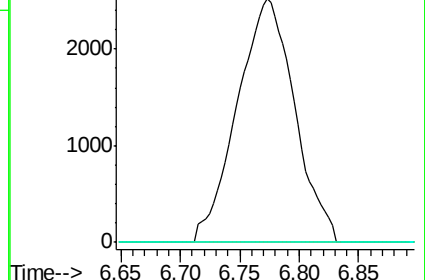
70 0.0 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1632) (-)

Ion 70.00 (69.70 to 70.70): VN061153.D (-1632) (-)



#38

Carbon Tetrachloride

Concen: 8.468 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. -0.10 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

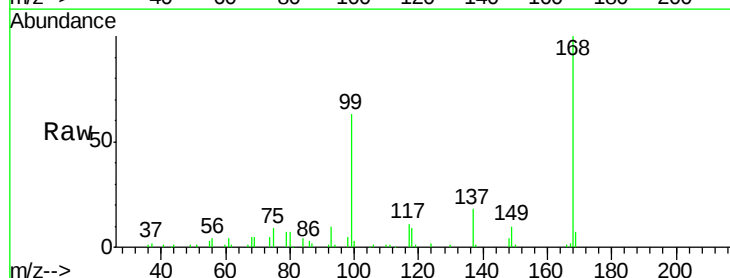
Tgt Ion: 117 Resp: 10109

Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.6#

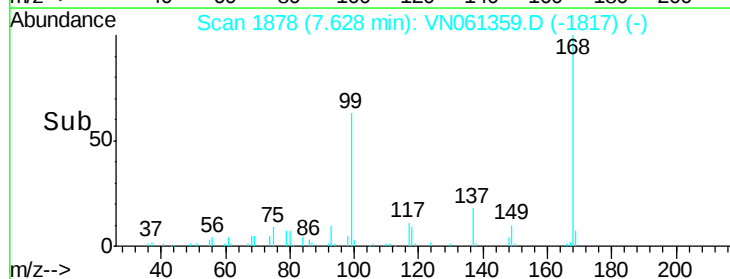
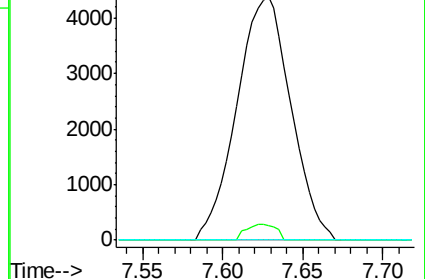
121 0.0 24.7 37.1#

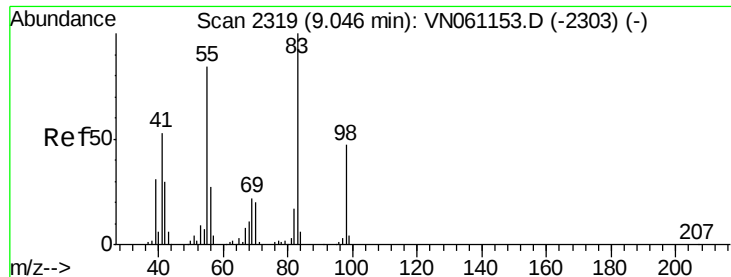


Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)

Ion 118.80 (118.50 to 119.50): VN061153.D (-1892) (-)

Ion 120.80 (120.50 to 121.50): VN061153.D (-1892) (-)

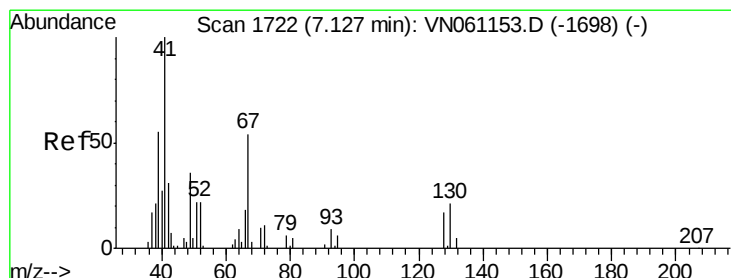
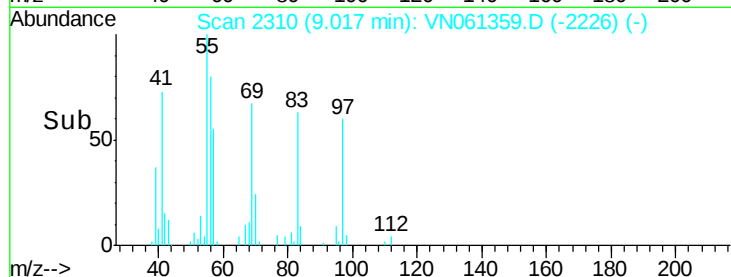
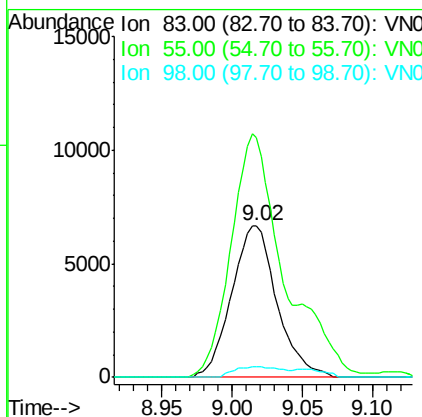
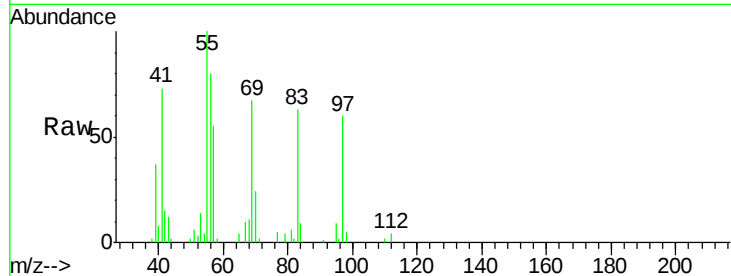




#39
Methvlcvclohexane
Concen: 7.796 ug/l
RT: 9.02 min Scan# 2310
Delta R.T. -0.03 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

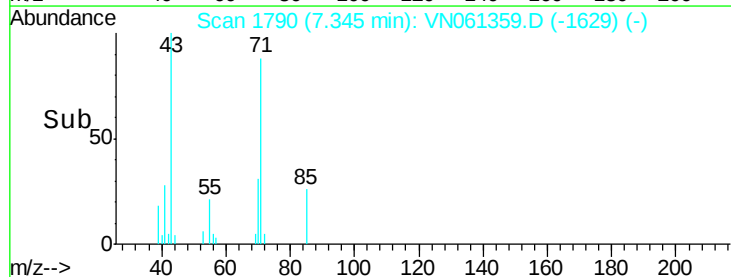
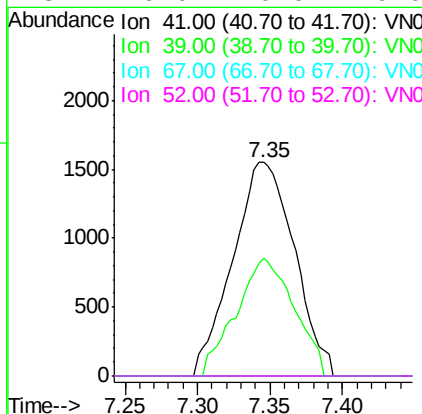
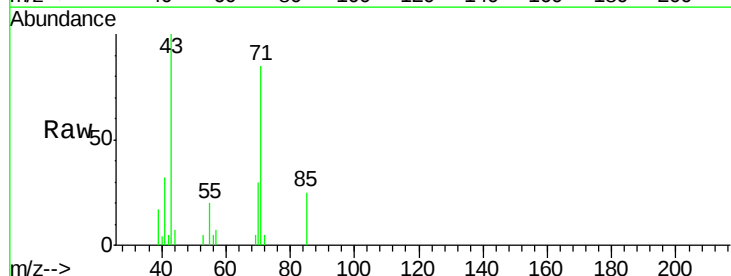
Instrument :
MSVOA_N
ClientSampleId :

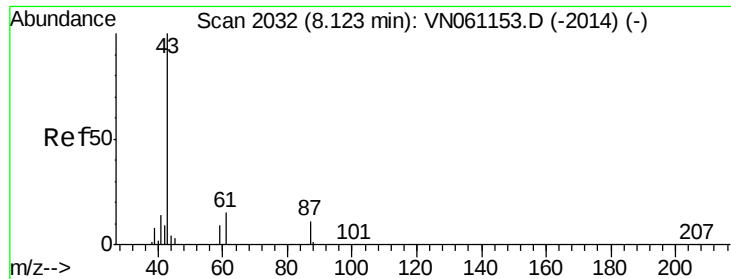
Tot Ion: 83 Resp: 14953
Ion Ratio Lower Upper
83 100
55 157.9 67.3 100.9#
98 7.3 37.7 56.5#



#41
Methacrylonitrile
Concen: 5.505 ug/l
RT: 7.35 min Scan# 1790
Delta R.T. 0.22 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

Tgt Ion: 41 Resp: 4583
Ion Ratio Lower Upper
41 100
39 51.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 34.825 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.05 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

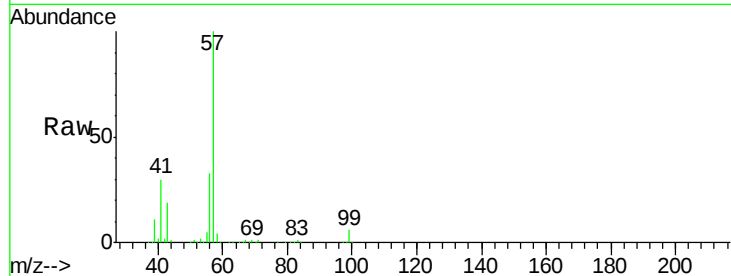
Tot Ion: 43 Resp: 115884

Ion Ratio Lower Upper

43 100

61 0.0 19.5 29.3#

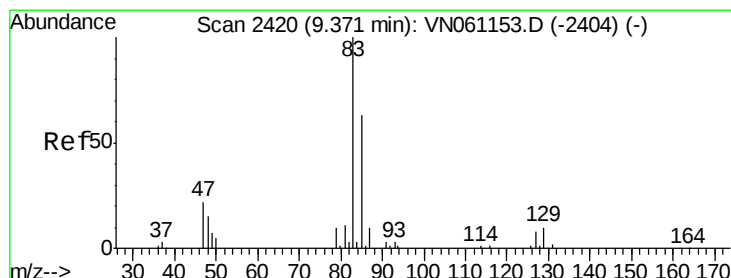
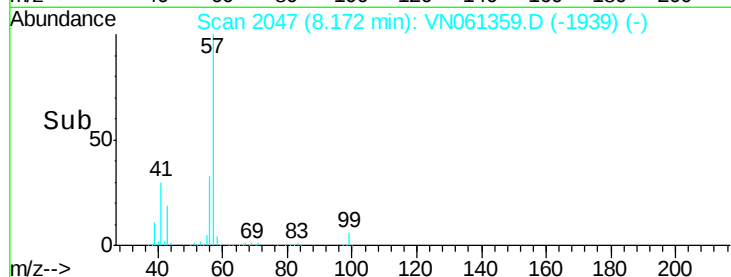
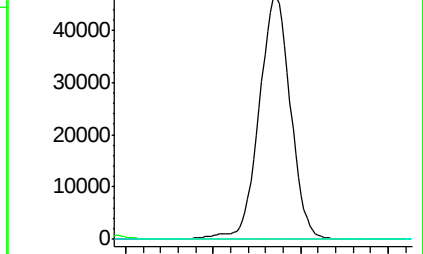
87 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#47

Bromodichloromethane

Concen: 1.054 ug/l

RT: 9.34 min Scan# 2410

Delta R.T. -0.03 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

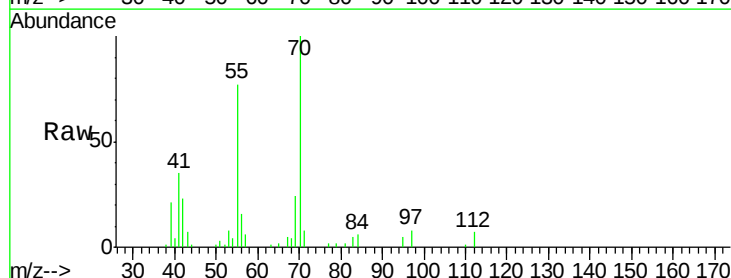
Tgt Ion: 83 Resp: 1906

Ion Ratio Lower Upper

83 100

85 0.0 50.4 75.6#

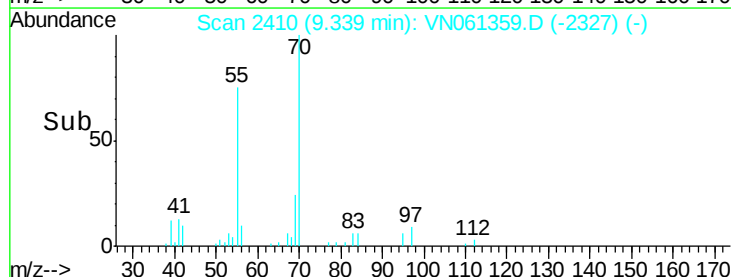
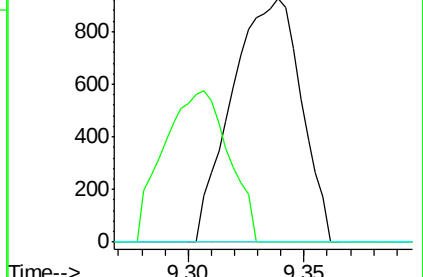
127 0.0 6.2 9.2#

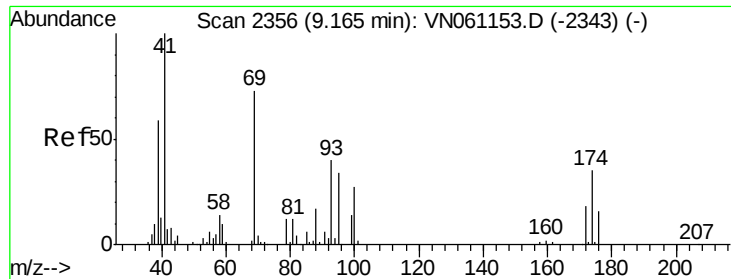


Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061153.D (-2404) (-)

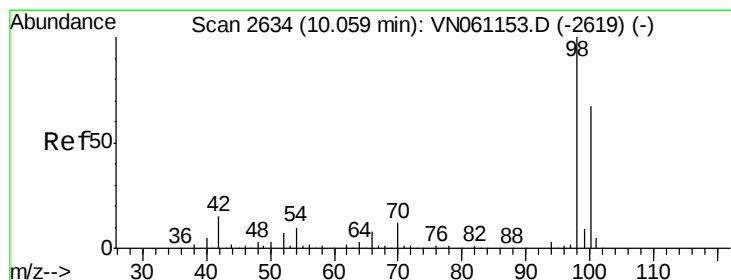
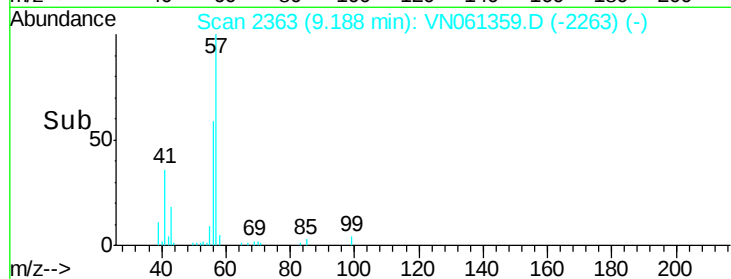
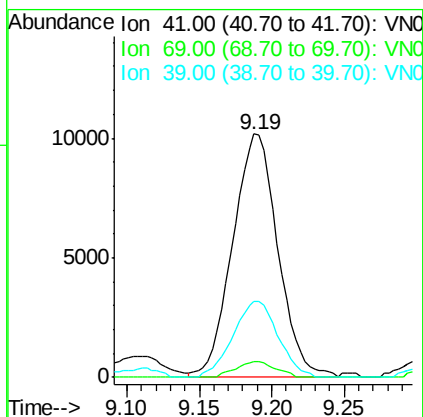
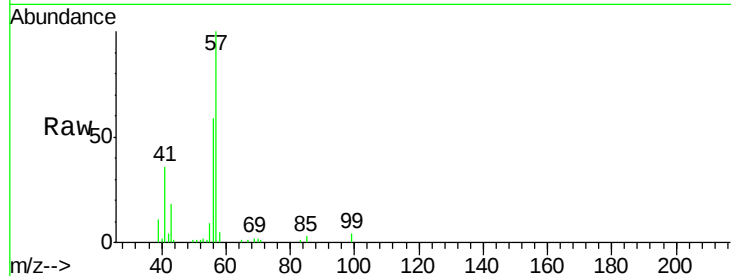




#48
Methvl methacrylate
Concen: 14.724 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. 0.02 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

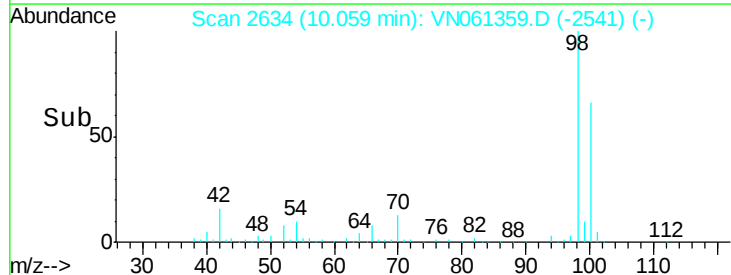
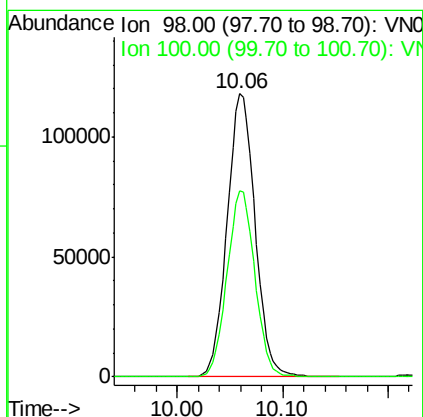
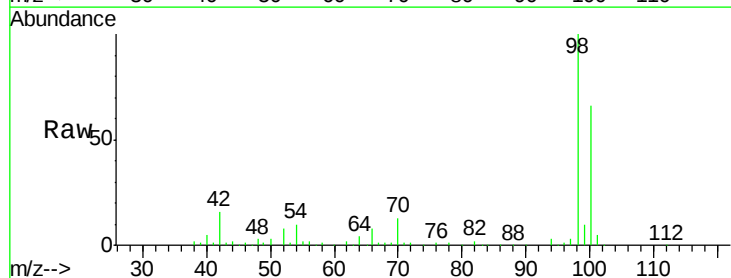
Instrument :
MSVOA_N
ClientSampleId :

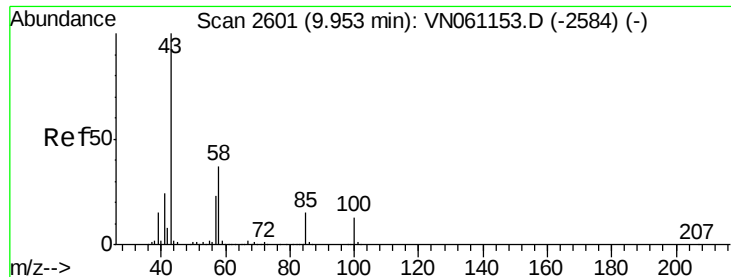
Tot Ion: 41 Resp: 22109
Ion Ratio Lower Upper
41 100
69 5.6 60.3 90.5#
39 31.1 47.4 71.0#



#50
Toluene-d8
Concen: 52.631 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

Tgt Ion: 98 Resp: 216760
Ion Ratio Lower Upper
98 100
100 65.1 53.4 80.0

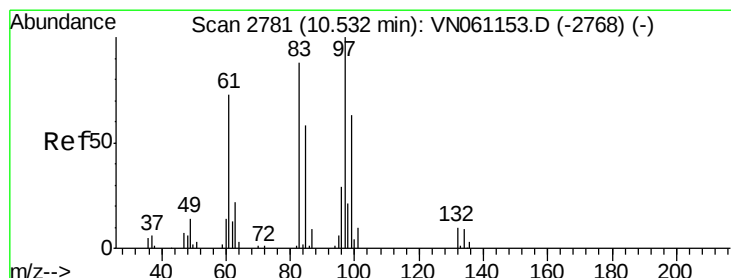
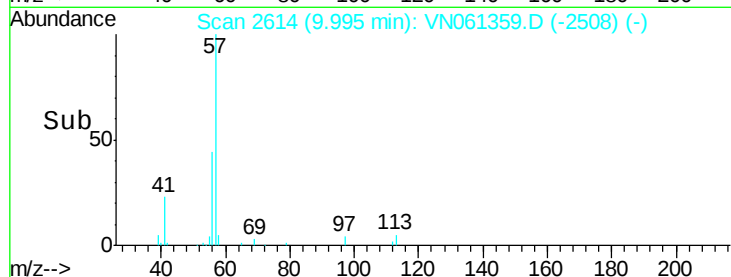
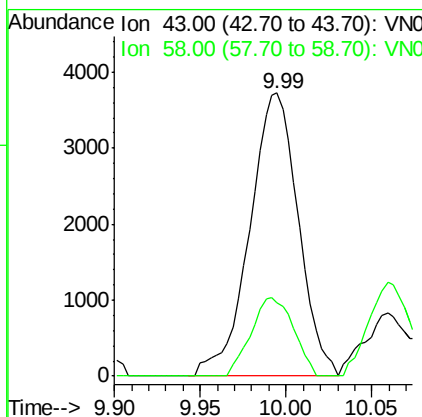
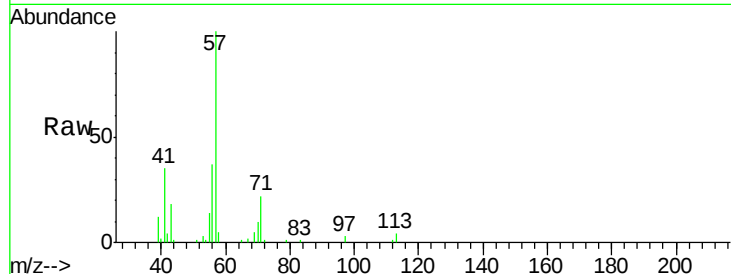




#51
 4-Methyl-2-Pentanone
 Concen: 3.724 ug/l
 RT: 9.99 min Scan# 2614
 Delta R.T. 0.04 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

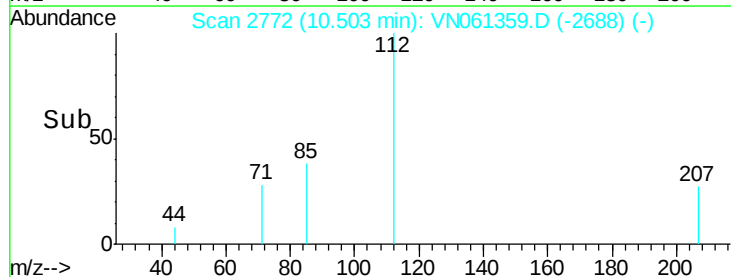
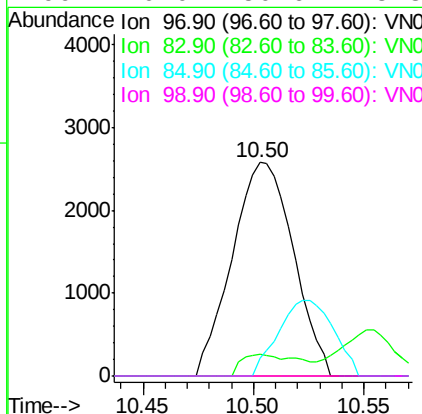
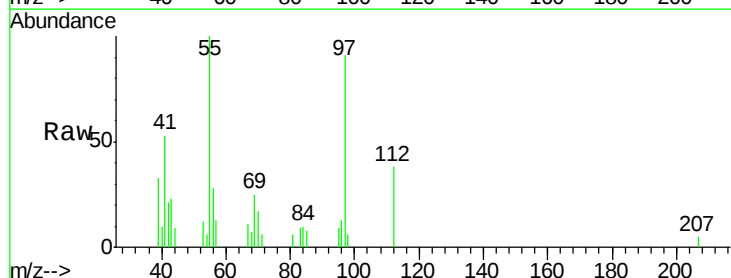
Instrument :
 MSVOA_N
 ClientSampleId :

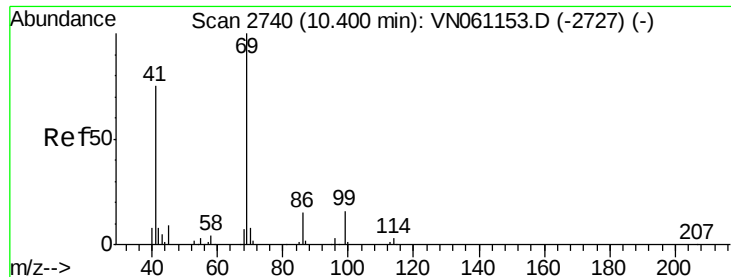
Tot Ion: 43 Resp: 7294
 Ion Ratio Lower Upper
 43 100
 58 24.1 29.1 43.7#



#55
 1,1,2-Trichloroethane
 Concen: 4.042 ug/l
 RT: 10.50 min Scan# 2772
 Delta R.T. -0.03 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

Tgt Ion: 97 Resp: 4948
 Ion Ratio Lower Upper
 97 100
 83 10.2 70.6 106.0#
 85 8.4 46.4 69.6#
 99 0.0 50.6 75.8#





#56

Ethyl methacrylate

Concen: 3.301 ug/l

RT: 10.36 min Scan# 2729

Delta R.T. -0.03 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

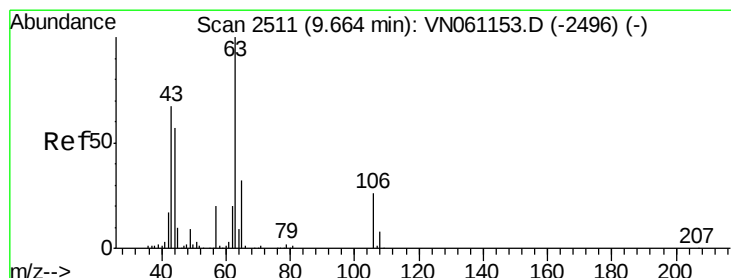
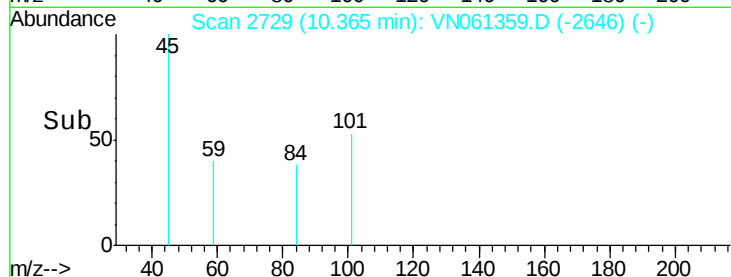
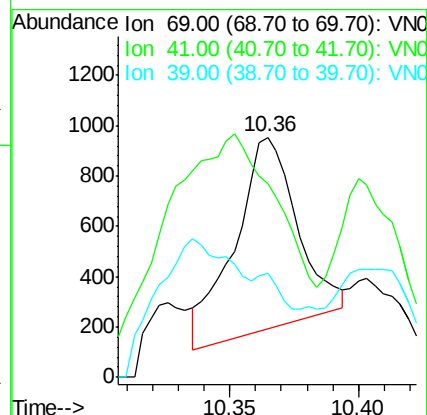
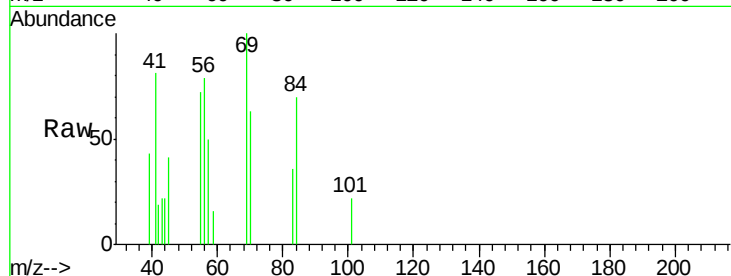
Tot Ion: 69 Resp: 1296

Ion Ratio Lower Upper

69 100

41 241.7 60.3 90.5#

39 0.0 35.9 53.9#



#58

2-Chloroethyl Vinyl ether

Concen: 1.009 ug/l

RT: 9.63 min Scan# 2499

Delta R.T. -0.04 min

Lab File: VN061359.D

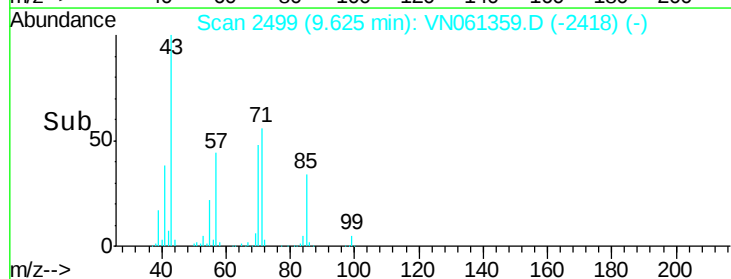
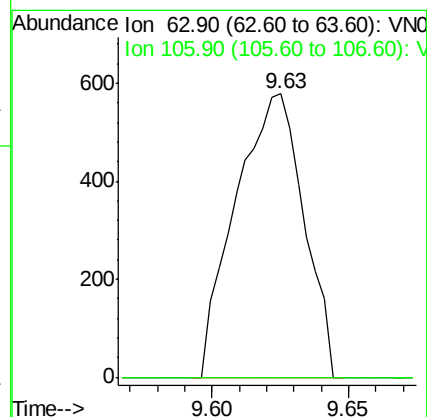
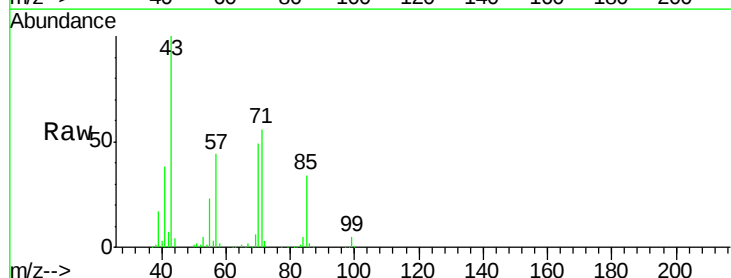
Acq: 8 May 2020 14:13

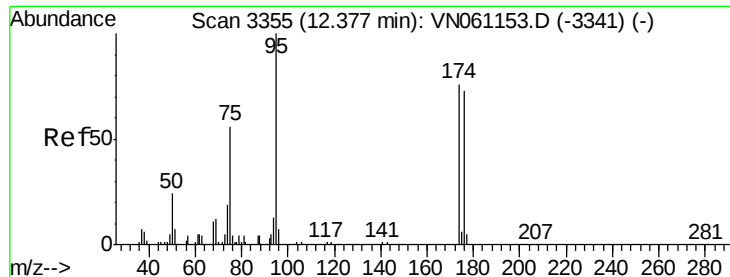
Tgt Ion: 63 Resp: 1000

Ion Ratio Lower Upper

63 100

106 0.0 20.6 30.8#





#62

4-Bromofluorobenzene

Concen: 55.484 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

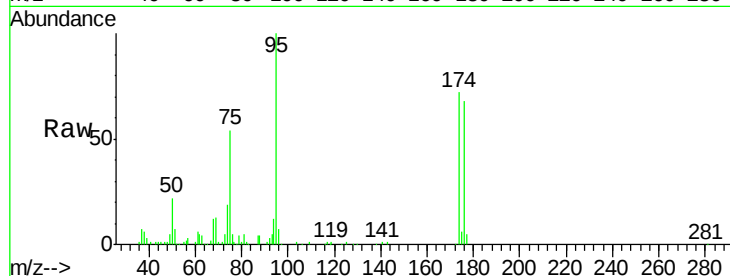
Tot Ion: 95 Resp: 85993

Ion Ratio Lower Upper

95 100

174 70.7 0.0 149.4

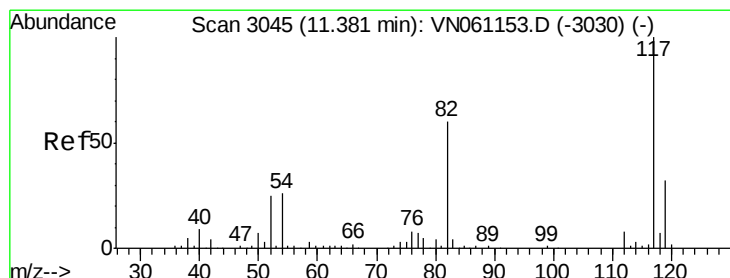
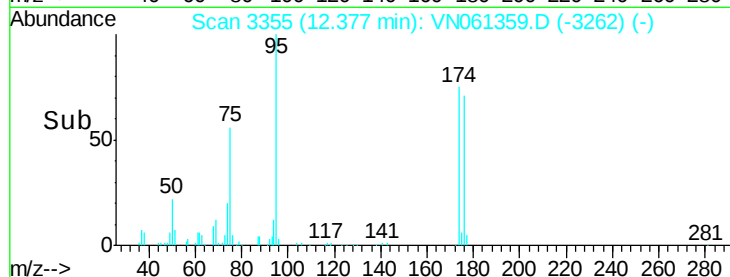
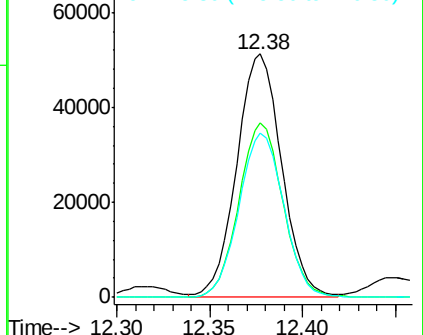
176 67.9 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061359.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061359.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061359.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

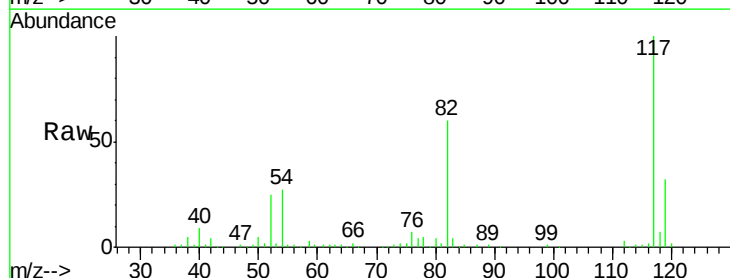
Tgt Ion: 117 Resp: 164994

Ion Ratio Lower Upper

117 100

82 60.4 47.8 71.8

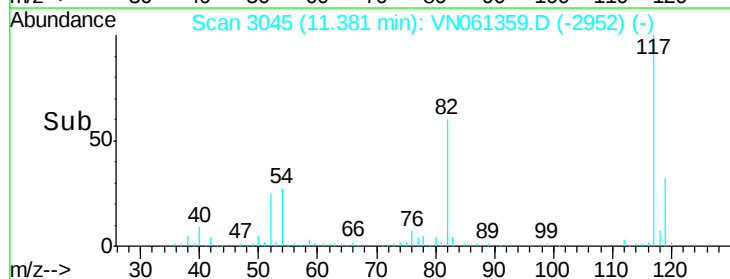
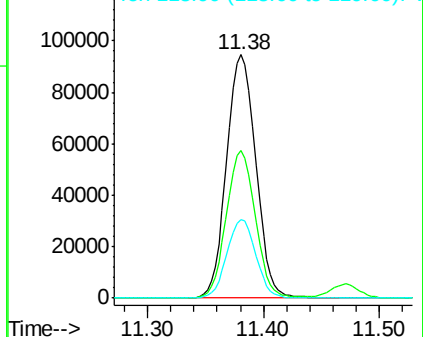
119 32.5 25.8 38.6

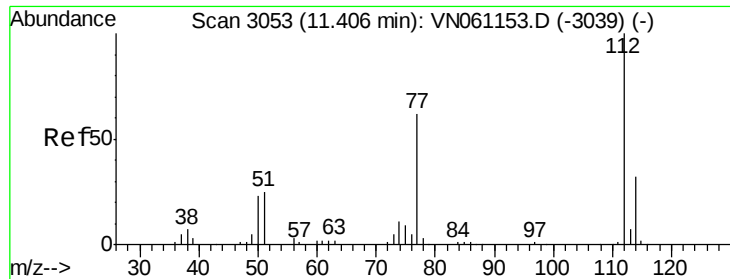


Abundance Ion 116.90 (116.60 to 117.60): VN061359.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061359.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061359.D (-2952) (-)

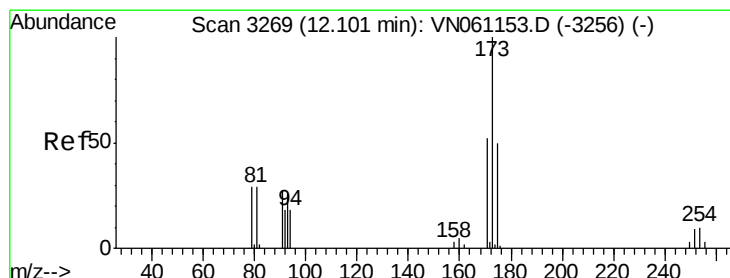
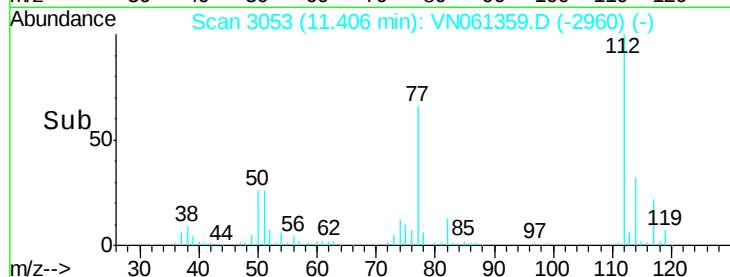
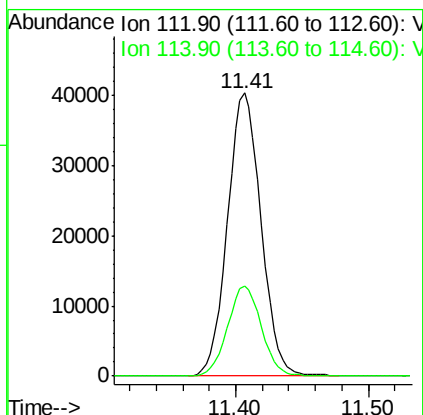
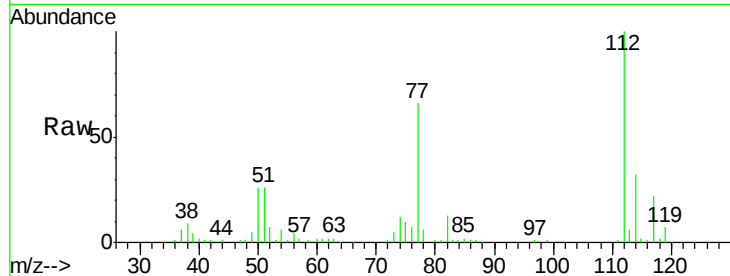




#65
Chlorobenzene
Concen: 21.627 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

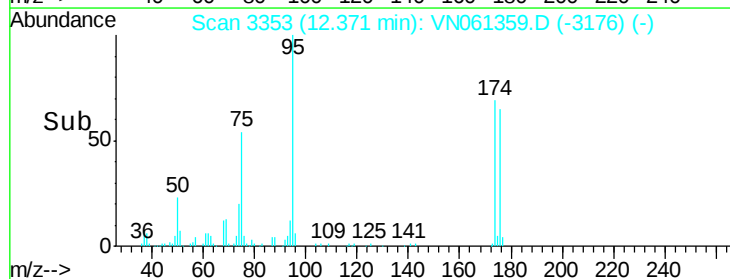
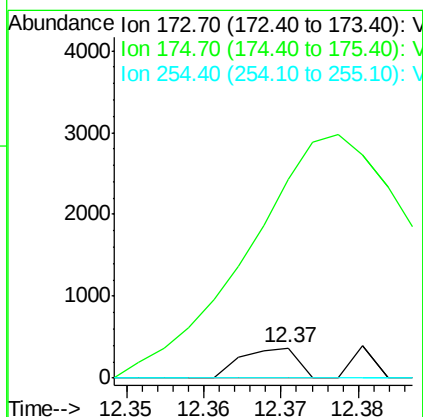
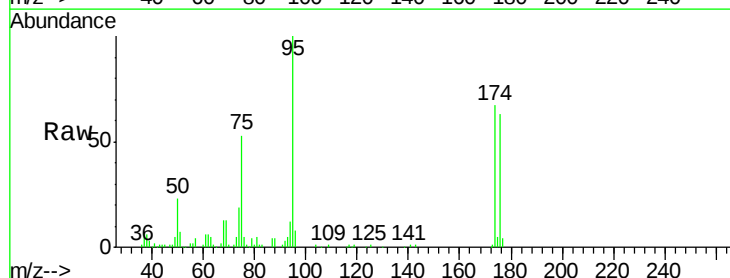
Instrument :
MSVOA_N
ClientSampleId :

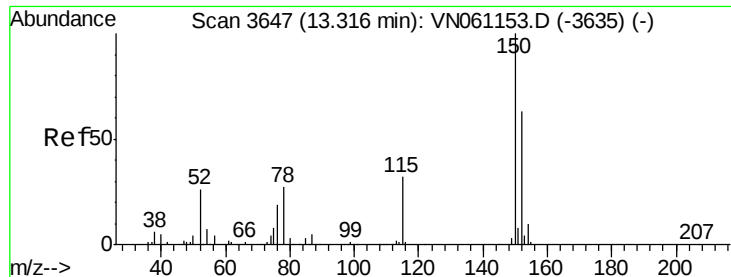
Tot Ion:112 Resp: 70785
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2



#71
Bromoform
Concen: 0.216 ug/l
RT: 12.37 min Scan# 3353
Delta R.T. 0.27 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

Tgt Ion:173 Resp: 186
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

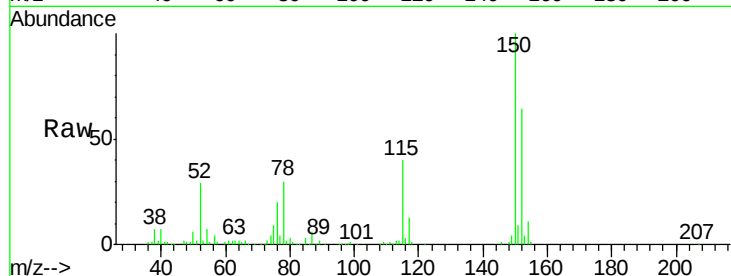
Tot Ion:152 Resp: 77448

Ion Ratio Lower Upper

152 100

115 63.6 31.0 93.0

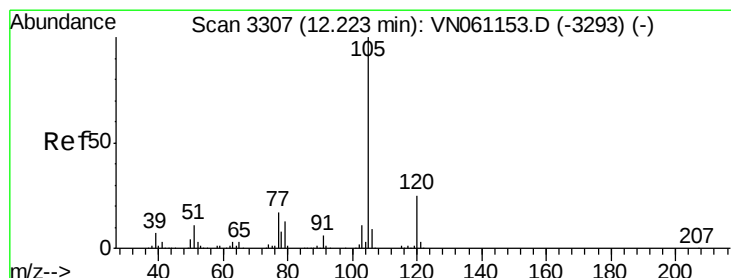
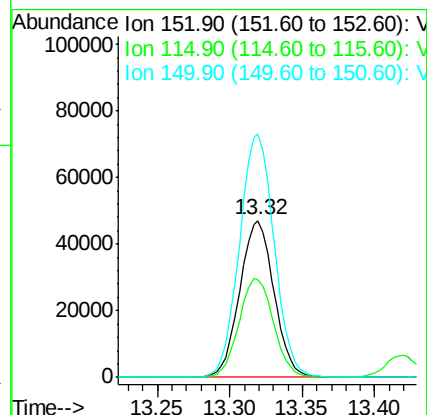
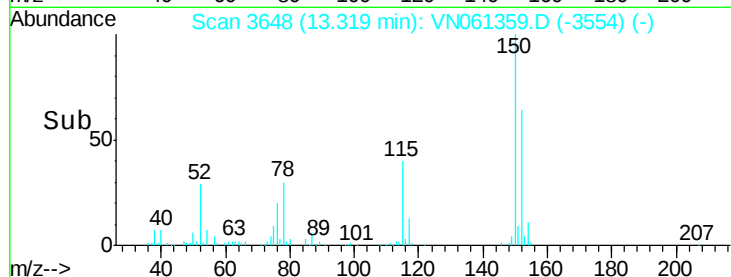
150 157.4 0.0 351.8



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: 4.324 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061359.D

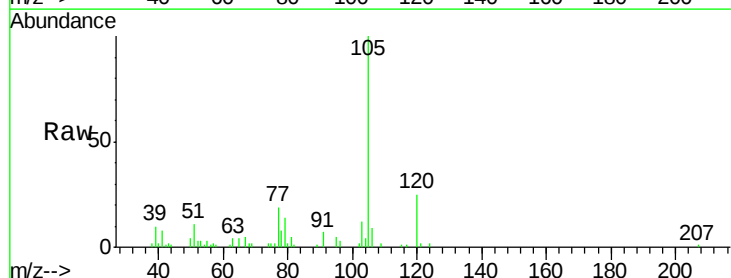
Acq: 8 May 2020 14:13

Tgt Ion:105 Resp: 24621

Ion Ratio Lower Upper

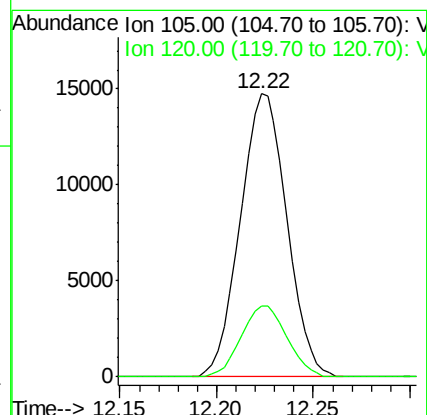
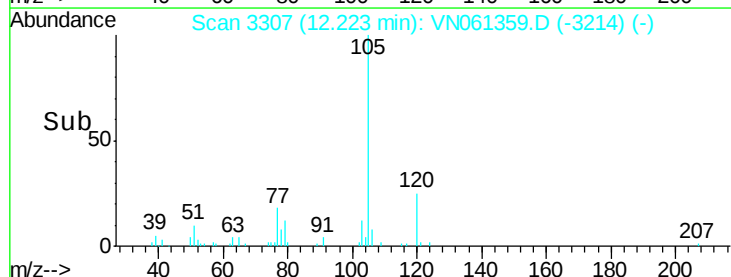
105 100

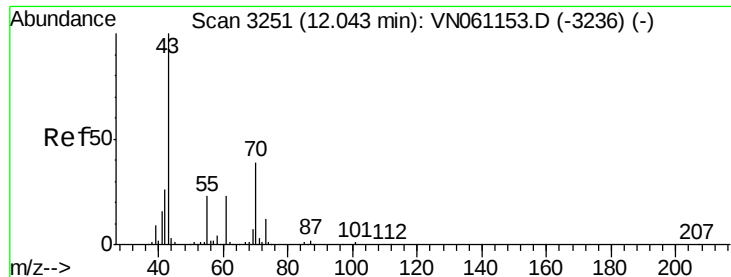
120 24.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.542 ug/l

RT: 12.05 min Scan# 3254

Delta R.T. 0.01 min

Lab File: VN061359.D

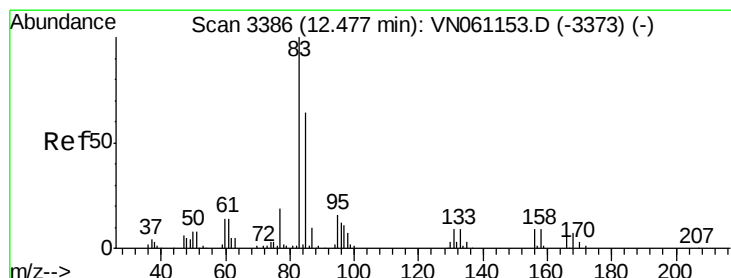
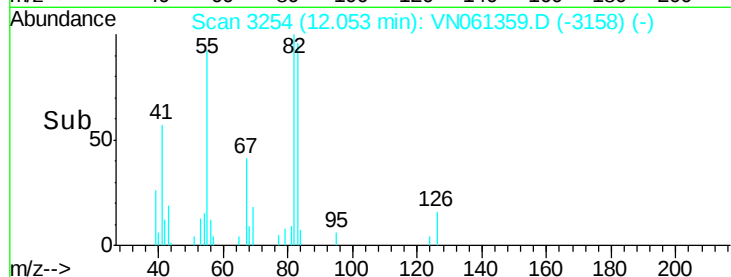
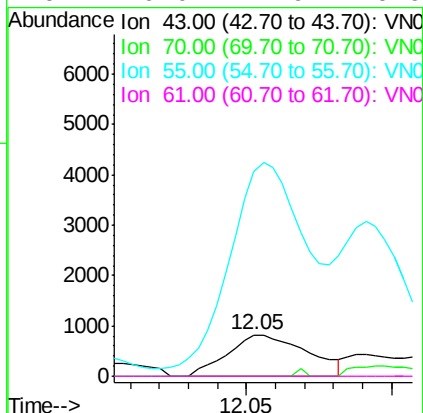
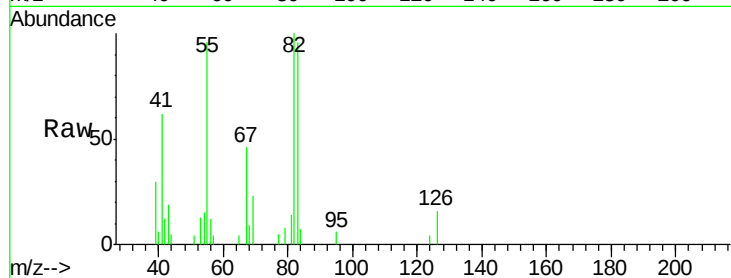
Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	1562
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.6	46.0#
55	478.3	18.5	27.7#
61	0.0	17.9	26.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.552 ug/l

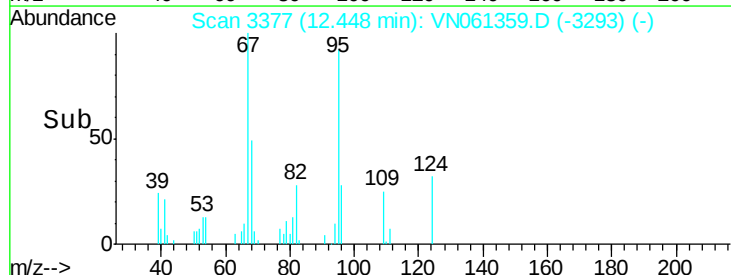
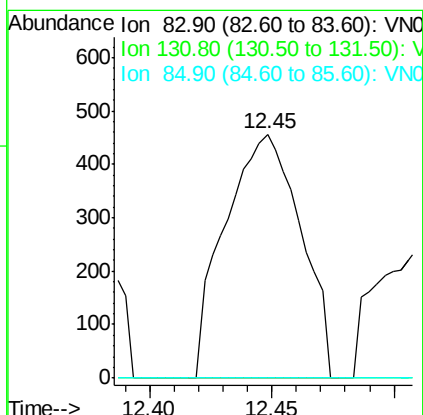
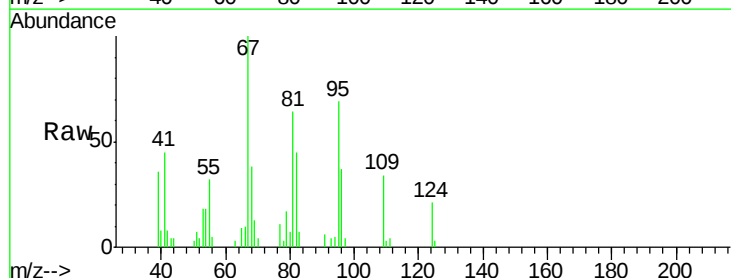
RT: 12.45 min Scan# 3377

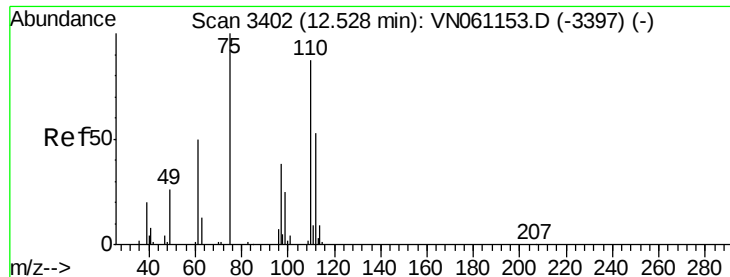
Delta R.T. -0.03 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Tgt Ion:	83	Resp:	980
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	0.0	32.0	96.0#





#76

1,2,3-Trichloropropane

Concen: 28.761 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

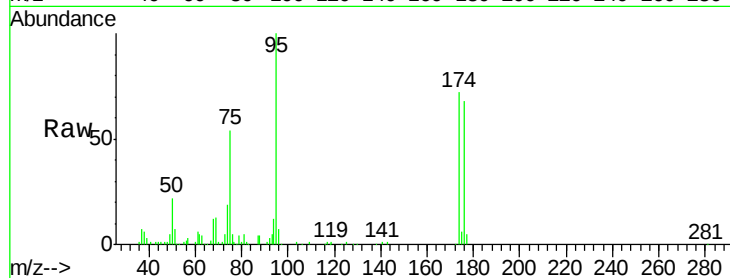
ClientSampled :

Tot Ion: 75 Resp: 46961

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

30000

25000

20000

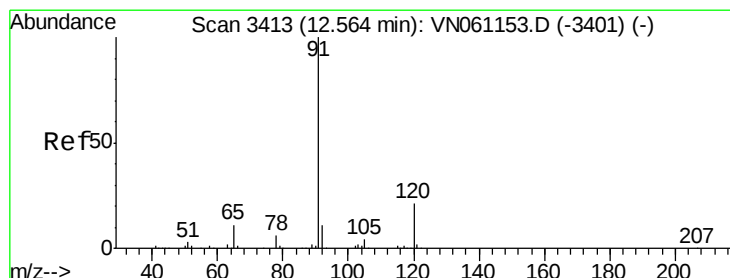
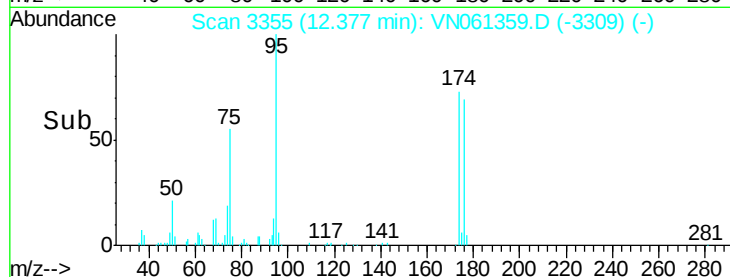
15000

10000

5000

0

Time--> 12.30 12.35 12.40 12.45



#78

n-propylbenzene

Concen: 0.444 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061359.D

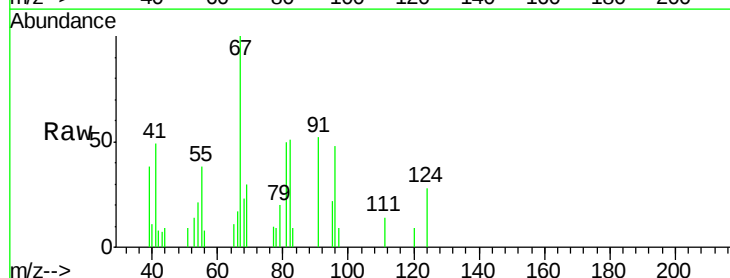
Acq: 8 May 2020 14:13

Tgt Ion: 91 Resp: 2999

Ion Ratio Lower Upper

91 100

120 6.8 10.8 32.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.56

1200

1000

800

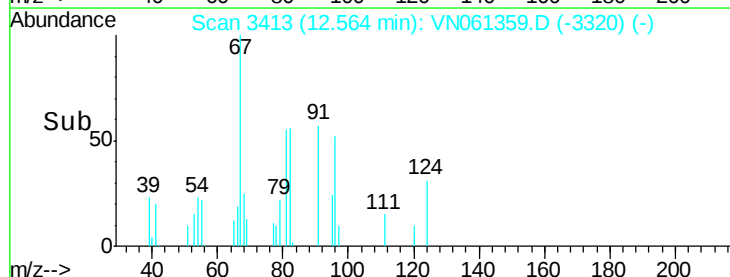
600

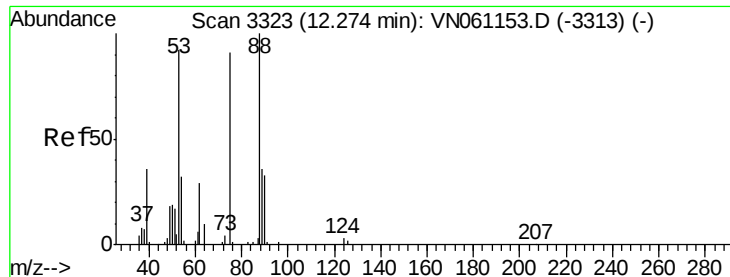
400

200

0

Time--> 12.50 12.55 12.60





#81

trans-1,4-Dichloro-2-butene

Concen: 73.038 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

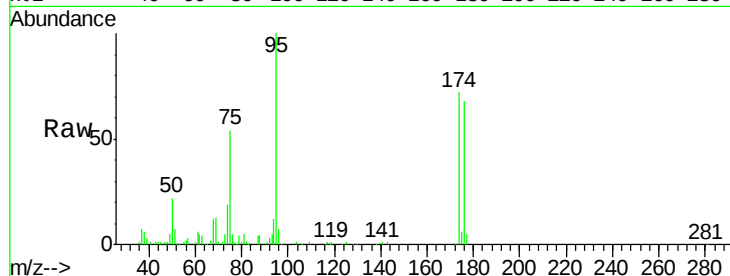
Tot Ion: 75 Resp: 46961

Ion Ratio Lower Upper

75 100

53 0.7 84.1 126.1#

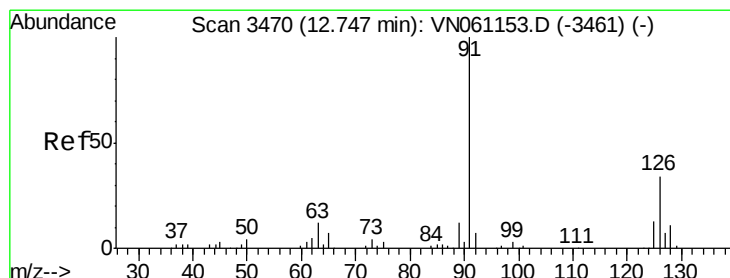
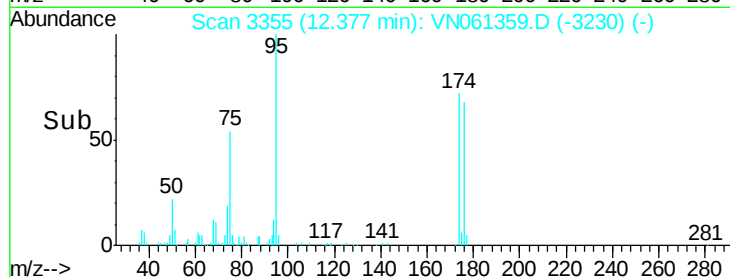
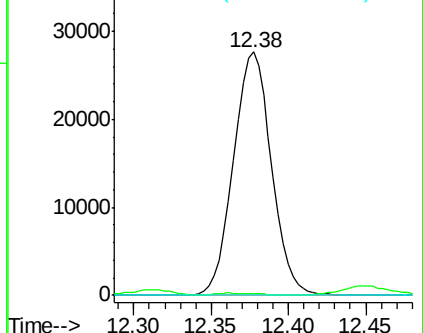
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)



#82

4-Chlorotoluene

Concen: 0.717 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. -0.18 min

Lab File: VN061359.D

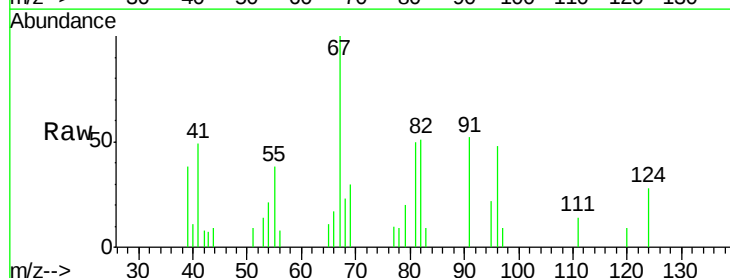
Acq: 8 May 2020 14:13

Tgt Ion: 91 Resp: 2999

Ion Ratio Lower Upper

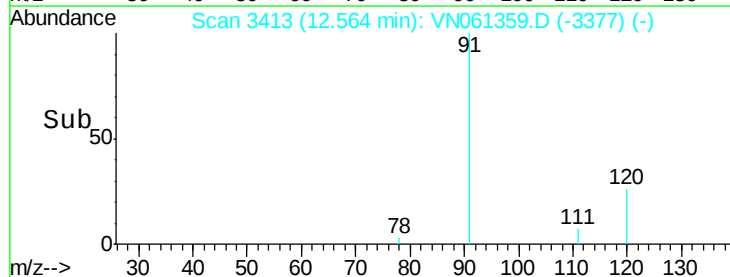
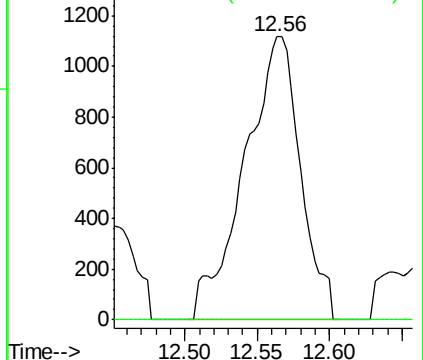
91 100

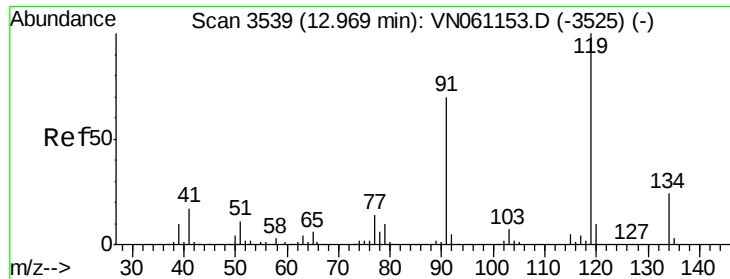
126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3461) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3461) (-)

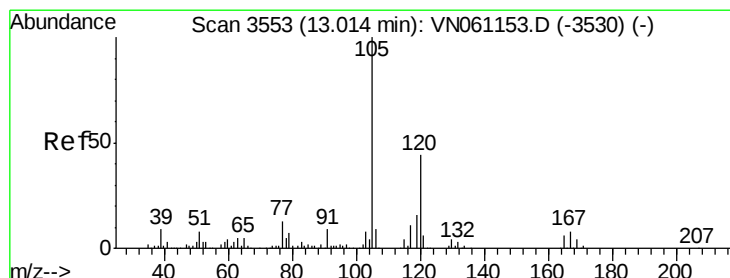
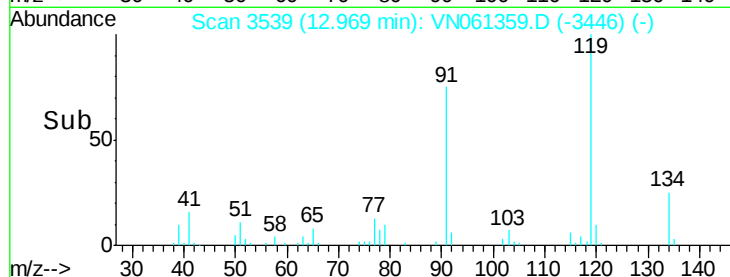
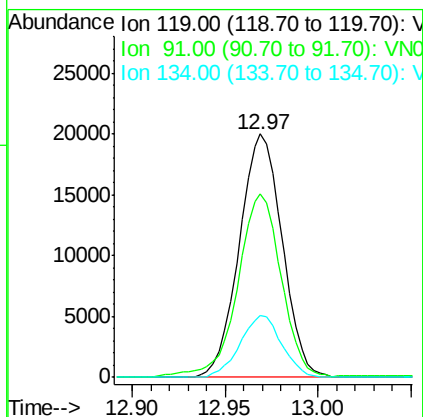
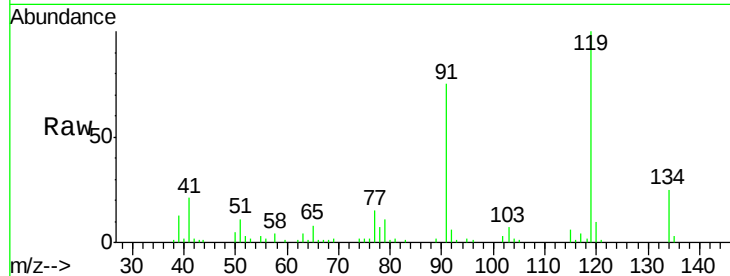




#83
 tert-Butylbenzene
 Concen: 8.125 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

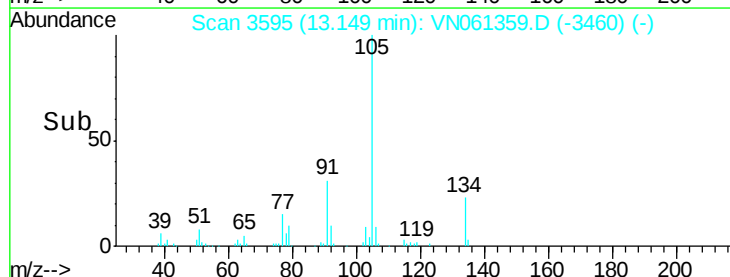
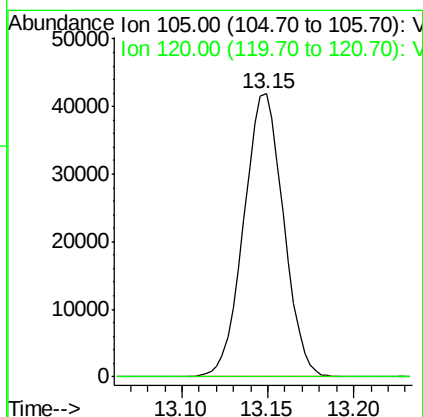
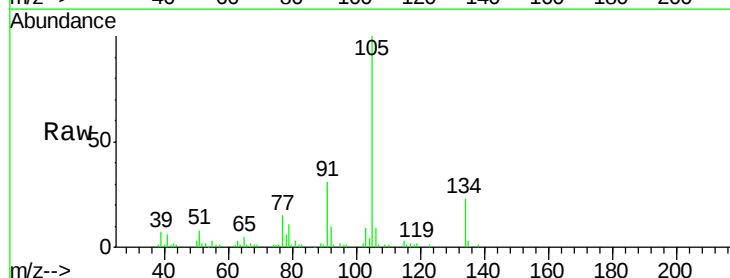
Instrument :
 MSVOA_N
 ClientSampled :

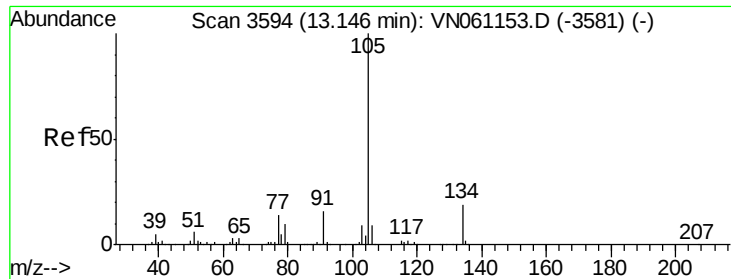
Tot Ion:119 Resp: 32283
 Ion Ratio Lower Upper
 119 100
 91 76.4 34.8 104.4
 134 24.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 13.864 ug/l
 RT: 13.15 min Scan# 3595
 Delta R.T. 0.14 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

Tgt Ion:105 Resp: 67311
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.2 66.6#





#85

sec-Butylbenzene

Concen: 12.425 ug/l

RT: 13.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

Instrument :

MSVOA_N

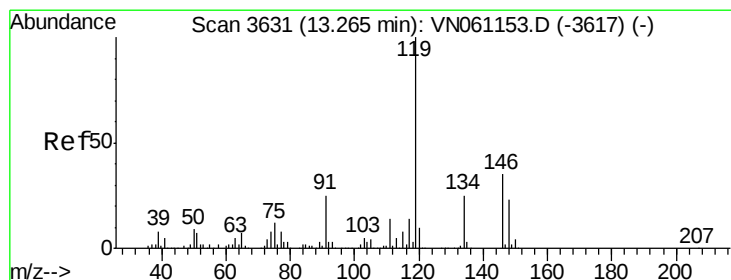
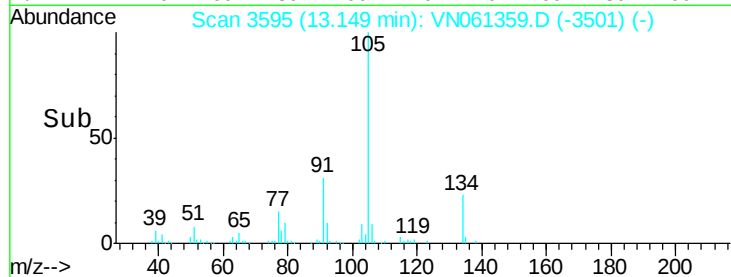
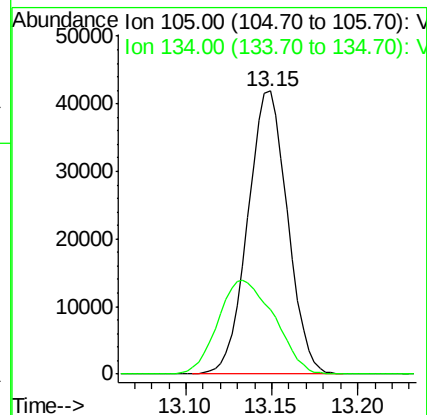
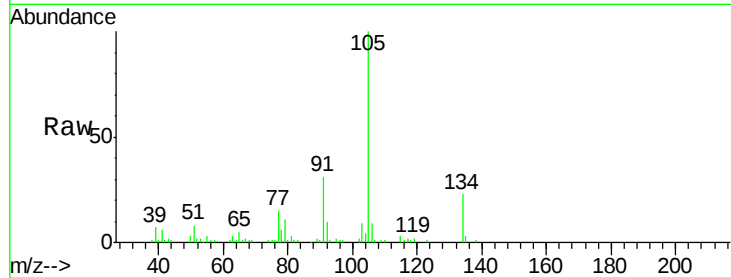
ClientSampleId :

Tot Ion:105 Resp: 67311

Ion Ratio Lower Upper

105 100

134 47.1 9.6 28.8#



#86

p-Isopropyltoluene

Concen: 24.918 ug/l

RT: 13.42 min Scan# 3679

Delta R.T. 0.15 min

Lab File: VN061359.D

Acq: 8 May 2020 14:13

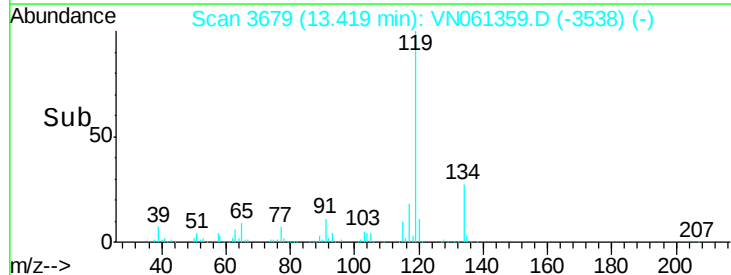
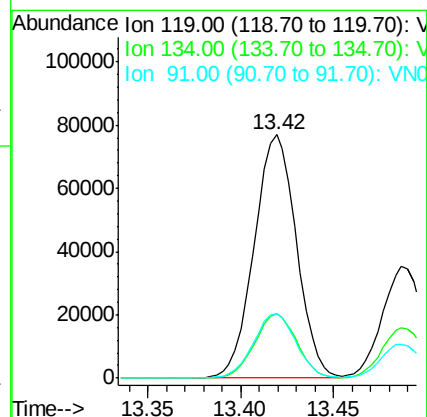
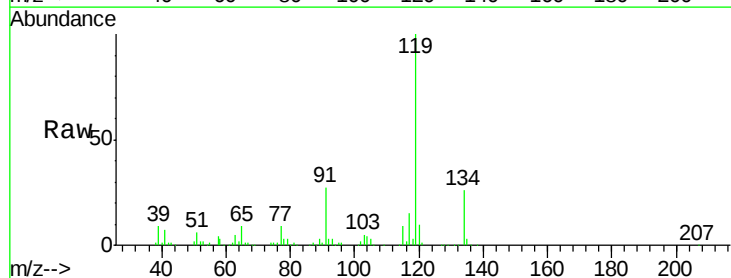
Tgt Ion:119 Resp: 121622

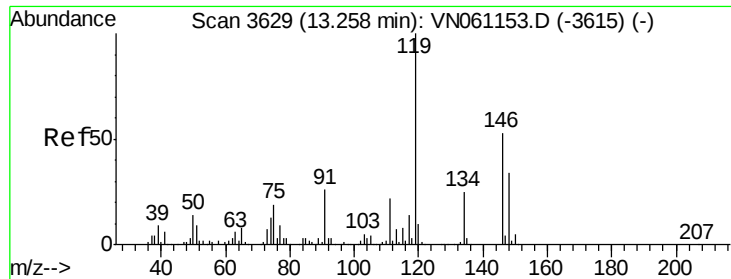
Ion Ratio Lower Upper

119 100

134 26.3 12.6 37.6

91 26.9 12.7 38.0

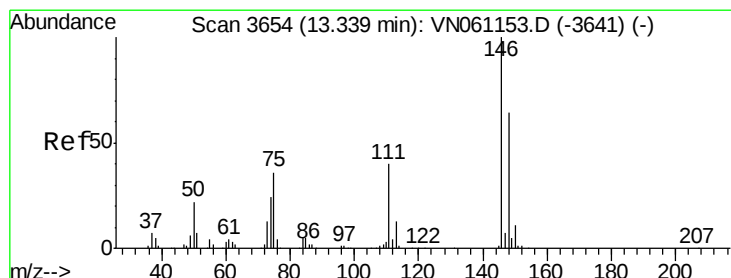
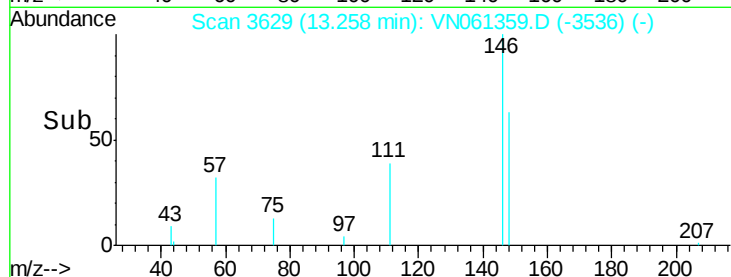
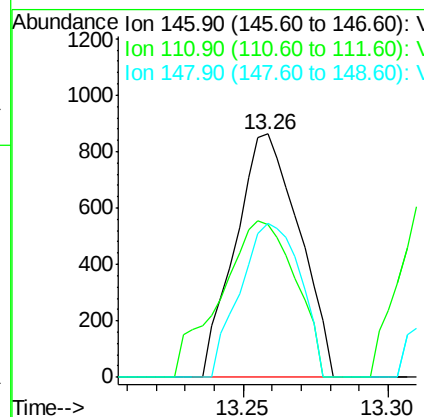
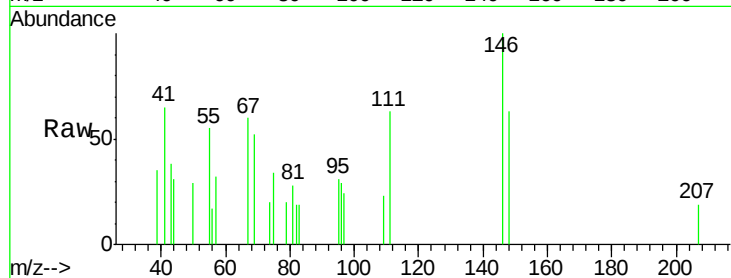




#87
 1,3-Dichlorobenzene
 Concen: 0.543 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

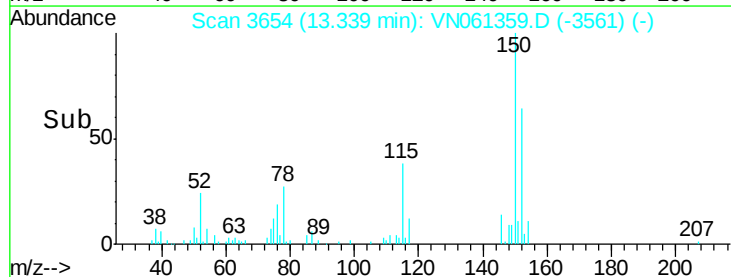
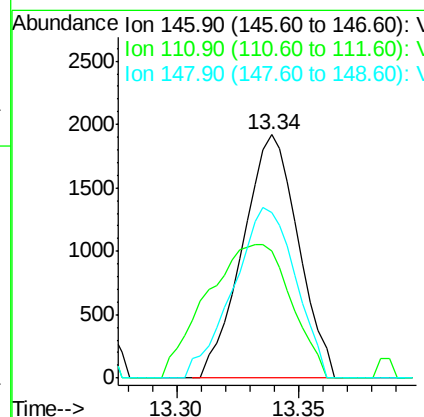
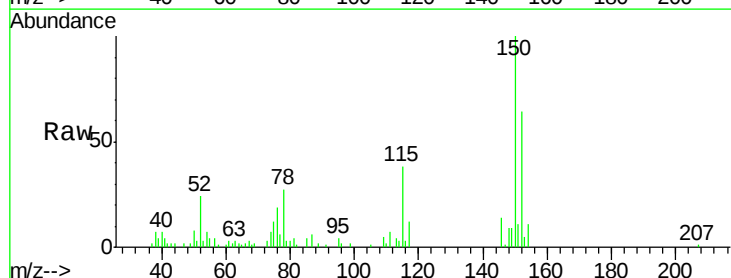
Instrument :
 MSVOA_N
 ClientSampleId :

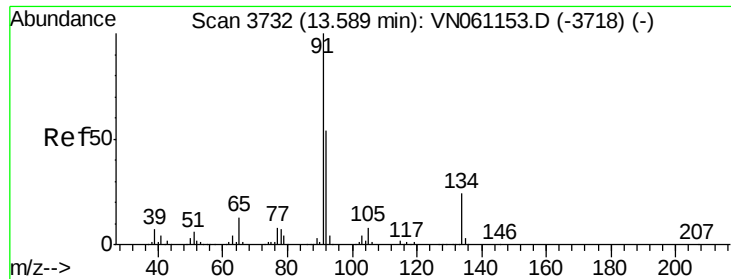
Tot Ion:146 Resp: 1314
 Ion Ratio Lower Upper
 146 100
 111 75.9 20.7 62.1#
 148 60.0 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 1.224 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

Tgt Ion:146 Resp: 3025
 Ion Ratio Lower Upper
 146 100
 111 83.3 20.4 61.3#
 148 78.4 31.9 95.7

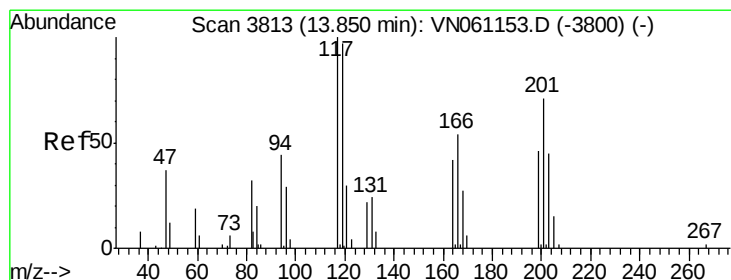
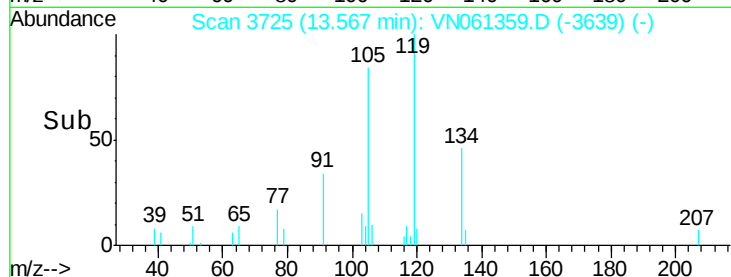
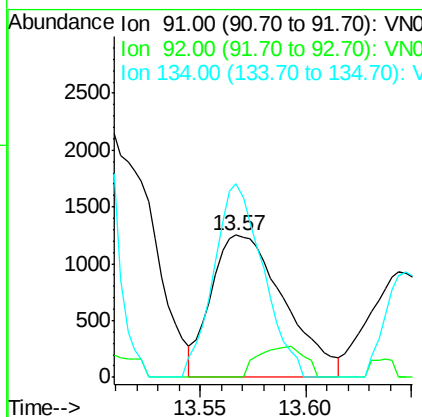
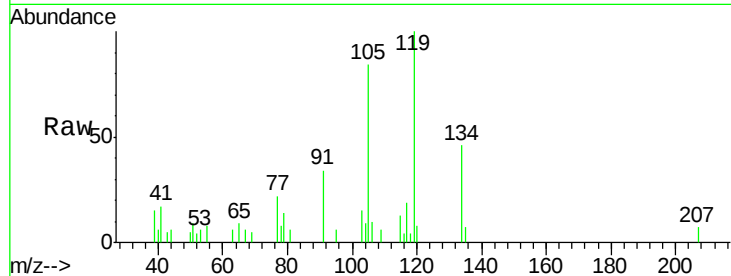




#89
n-Butylbenzene
Concen: 0.673 ug/l
RT: 13.57 min Scan# 3725
Delta R.T. -0.02 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

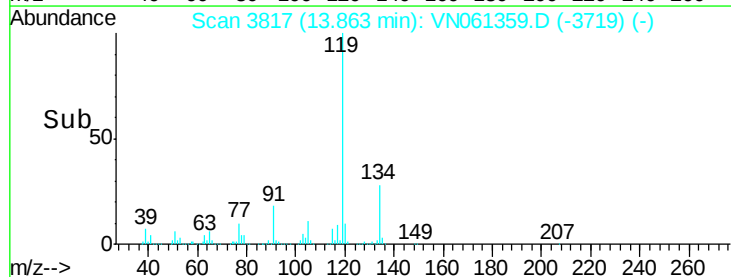
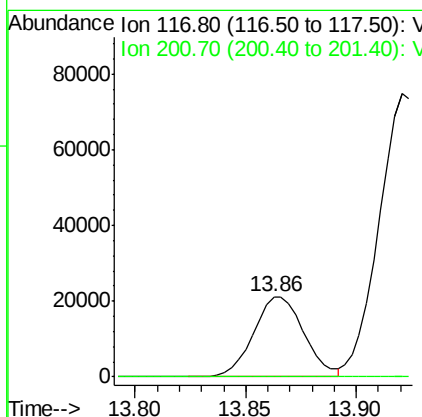
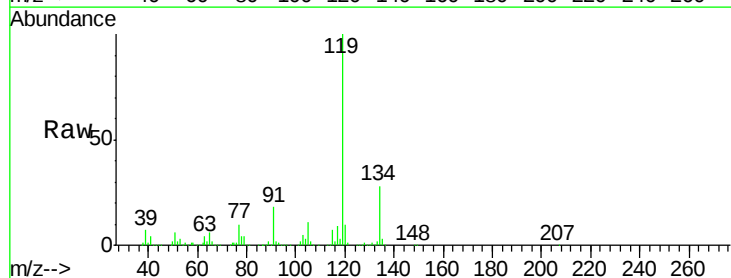
Instrument :
MSVOA_N
ClientSampled :

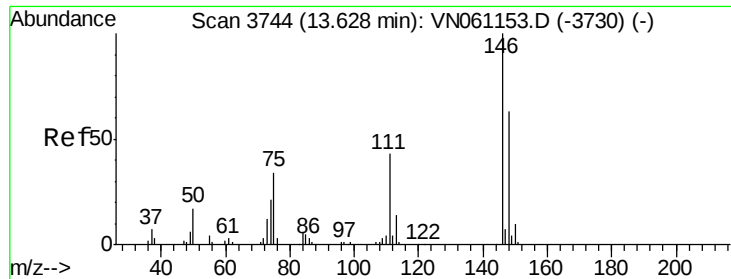
Tot Ion: 91 Resp: 3010
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.3#
134 91.8 11.9 35.5#



#90
Hexachloroethane
Concen: 63.479 ug/l
RT: 13.86 min Scan# 3817
Delta R.T. 0.01 min
Lab File: VN061359.D
Acq: 8 May 2020 14:13

Tgt Ion: 117 Resp: 33553
Ion Ratio Lower Upper
117 100
201 0.0 35.5 106.7#

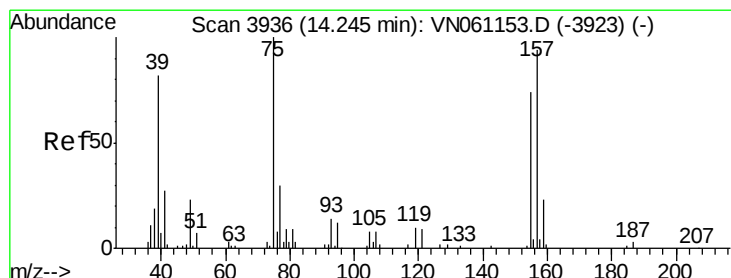
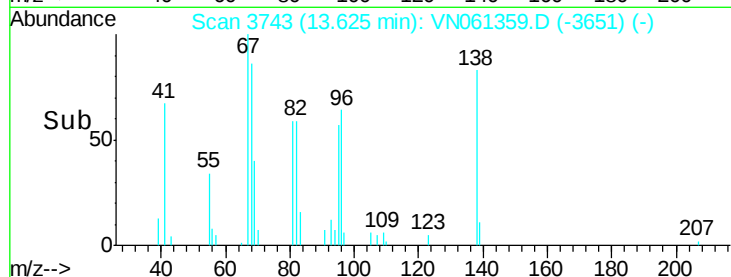
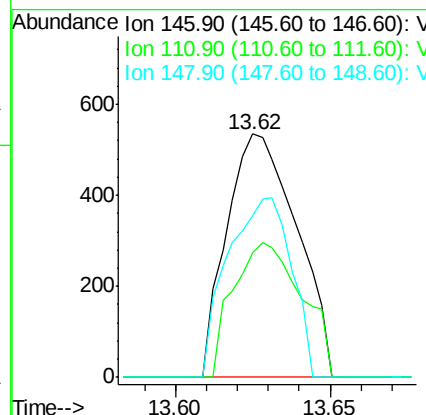
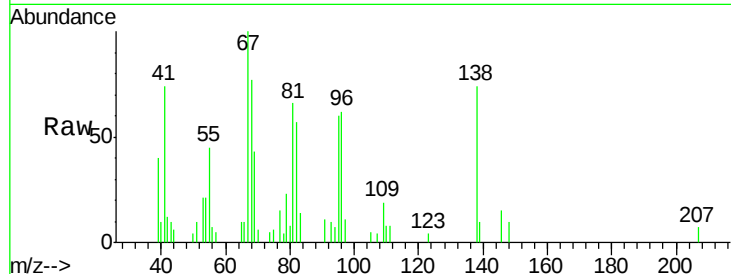




#91
 1,2-Dichlorobenzene
 Concen: 0.362 ug/l
 RT: 13.62 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 840
 Ion Ratio Lower Upper
 146 100
 111 54.6 21.8 65.3
 148 66.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.539 ug/l
 RT: 14.30 min Scan# 3953
 Delta R.T. 0.05 min
 Lab File: VN061359.D
 Acq: 8 May 2020 14:13

Tgt Ion: 75 Resp: 202
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 0.0 46.6 139.7#

