

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050420\
 Data File : VN061272.D
 Acq On : 4 May 2020 12:57
 Operator : JC/MD
 Sample : PB128636TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 03:42:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	105007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	190226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	187953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	87242	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
35) Dibromofluoromethane	7.55	113	50215	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	
50) Toluene-d8	10.06	98	243048	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.38	95	88894	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

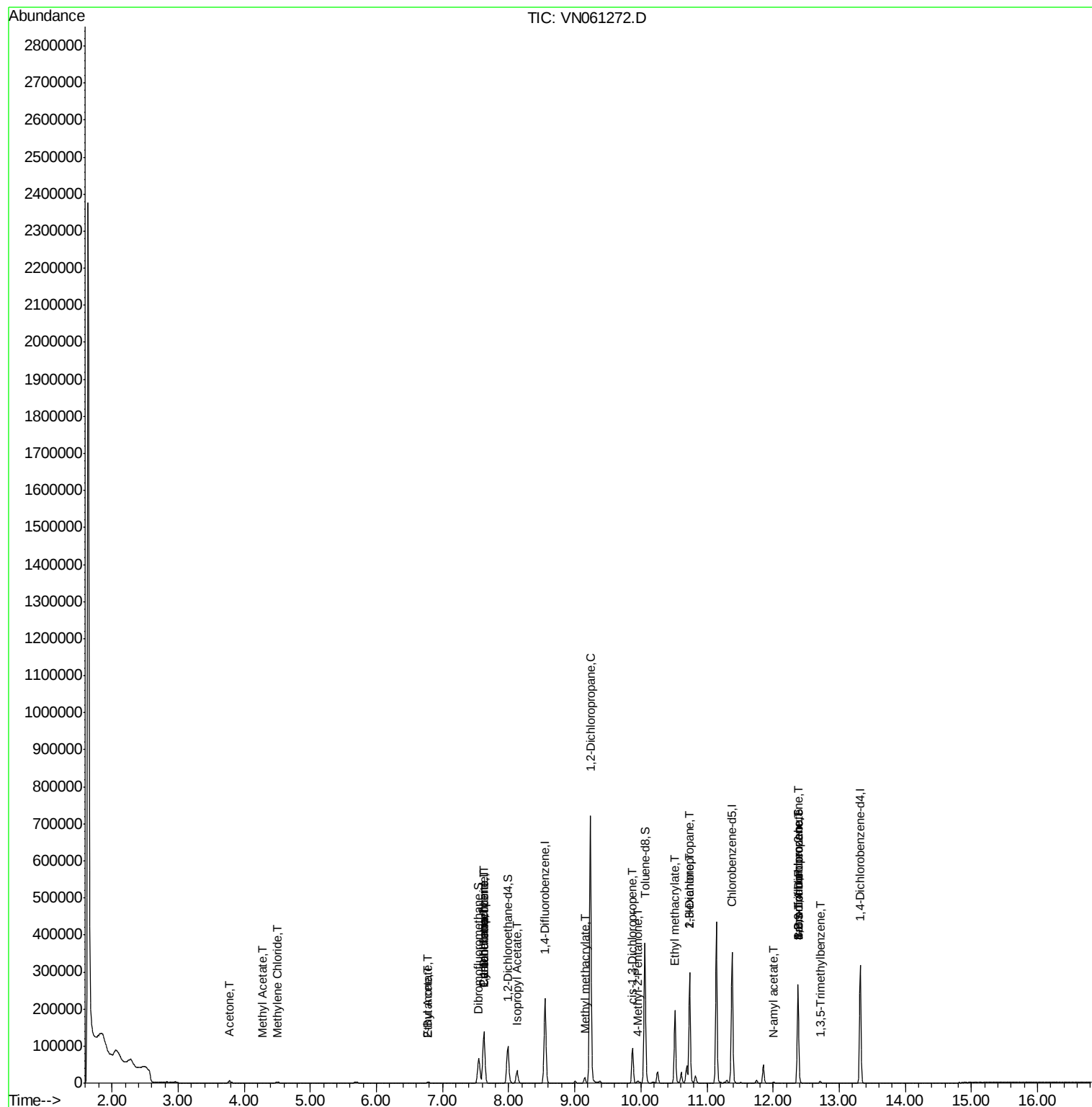
						Qvalue
16) Acetone	3.78	43	11003	11.860	ug/l	94
18) Methyl Acetate	4.28	43	1287	1.284	ug/l #	55
20) Methylene Chloride	4.50	84	1729	1.335	ug/l	96
25) 2-Butanone	6.79	43	1420	1.444	ug/l #	53
31) Cyclohexane	7.62	56	2730	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9593	5.038	ug/l #	49
37) Ethyl Acetate	6.79	43	1420	0.636	ug/l #	71
38) Carbon Tetrachloride	7.62	117	11197	8.437	ug/l #	16
43) Isopropyl Acetate	8.13	43	40401	10.905	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	386	0.255	ug/l #	44
48) Methyl methacrylate	9.15	41	2175	1.301	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	4602	2.110	ug/l #	87
54) cis-1,3-Dichloropropene	9.87	75	15308	6.380	ug/l #	65
56) Ethyl methacrylate	10.51	69	637	2.981	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2768	1.155	ug/l #	43
59) 2-Hexanone	10.74	43	45187	28.481	ug/l #	53
71) Bromoform	12.37	173	230	0.235	ug/l #	1
74) N-amyl acetate	12.00	43	2332	0.799	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	48794	29.515	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3160	0.662	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.38	75	48794	74.953	ug/l #	8

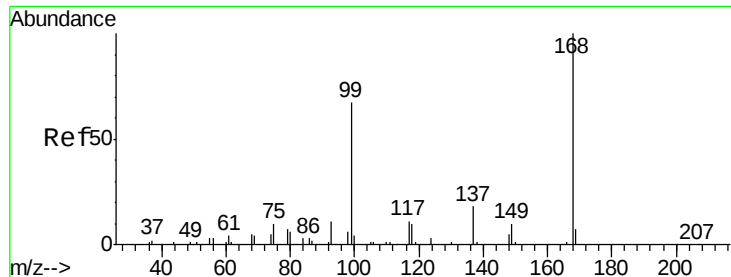
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050420\
Data File : VN061272.D
Acq On : 4 May 2020 12:57
Operator : JC/MD
Sample : PB128636TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 05 03:42:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration



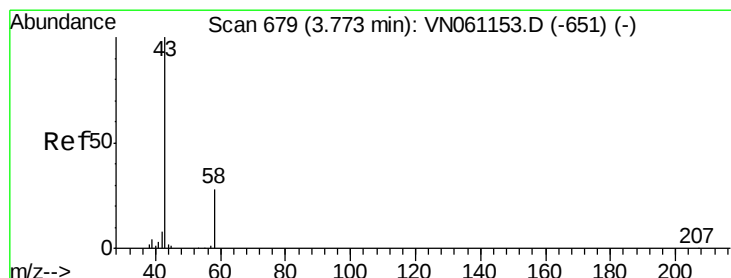
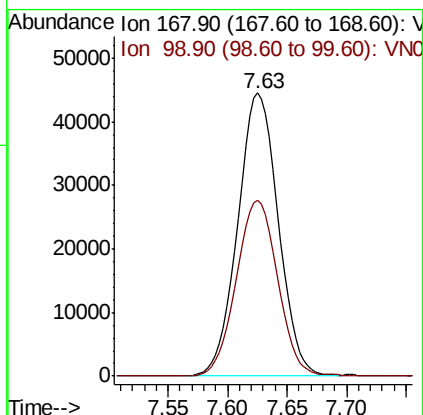
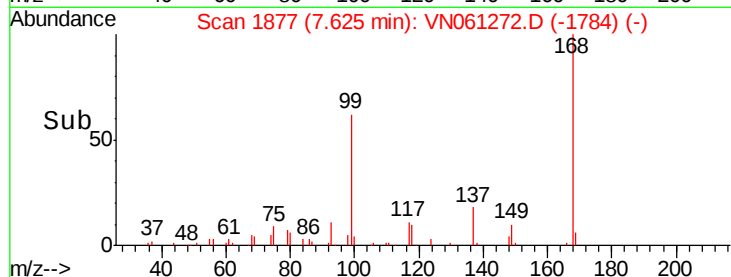
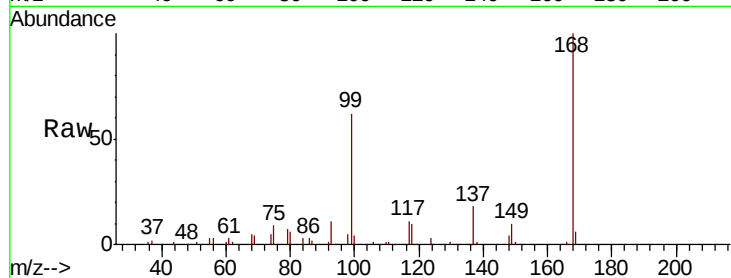


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

Instrument :
 MSVOA_N
 ClientSampled :

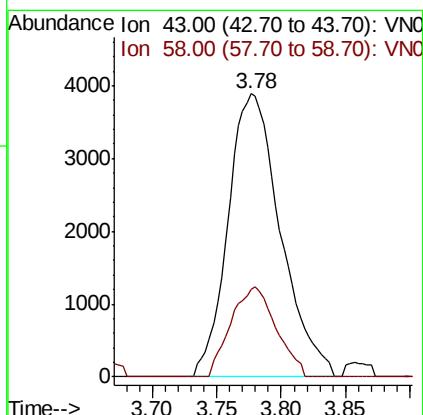
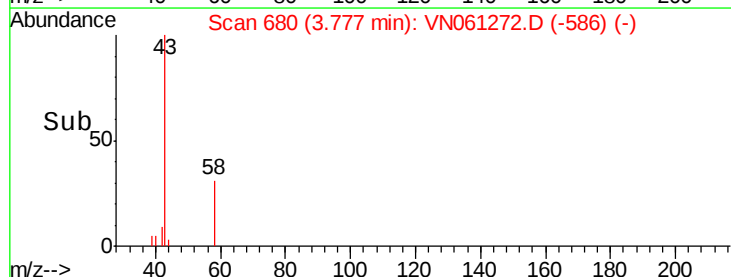
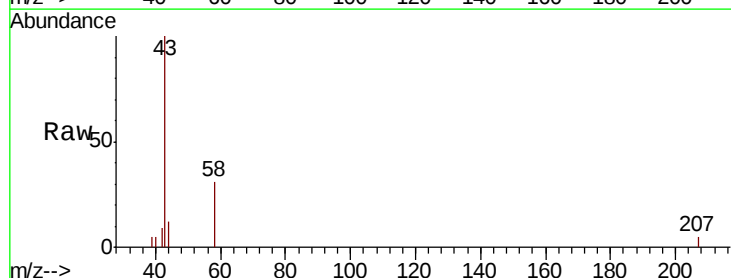
Tot Ion:168 Resp: 105007
 Ion Ratio Lower Upper
 168 100
 99 62.3 51.2 76.8

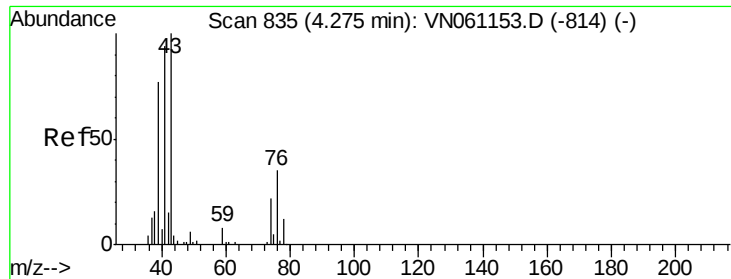


#16

Acetone
 Concen: 11.860 ug/l
 RT: 3.78 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

Tgt Ion: 43 Resp: 11003
 Ion Ratio Lower Upper
 43 100
 58 30.9 22.2 33.2

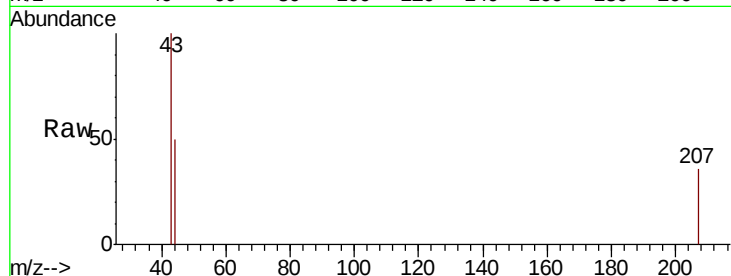




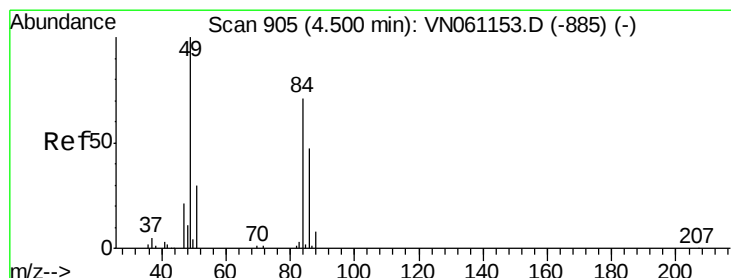
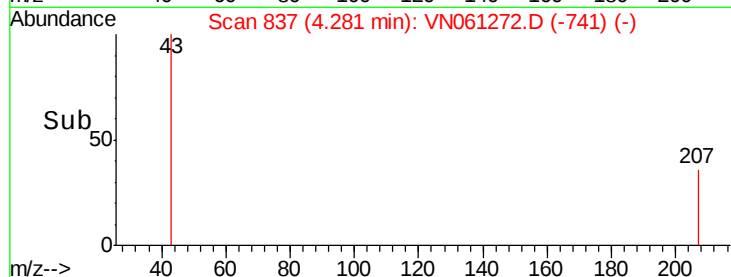
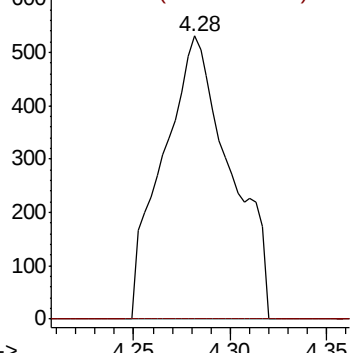
#18
Methyl Acetate
Concen: 1.284 ug/l
RT: 4.28 min Scan# 837
Delta R.T. 0.01 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#

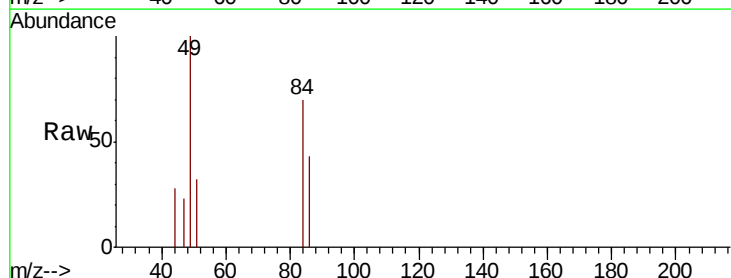


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0

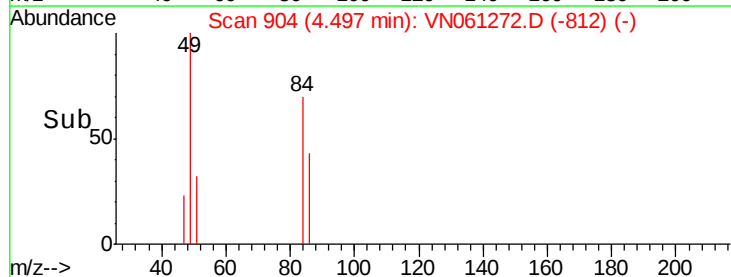
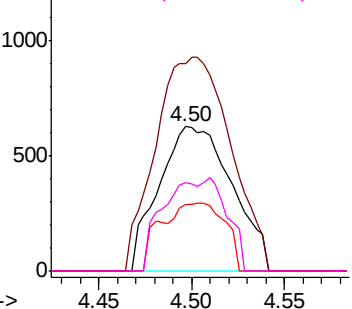


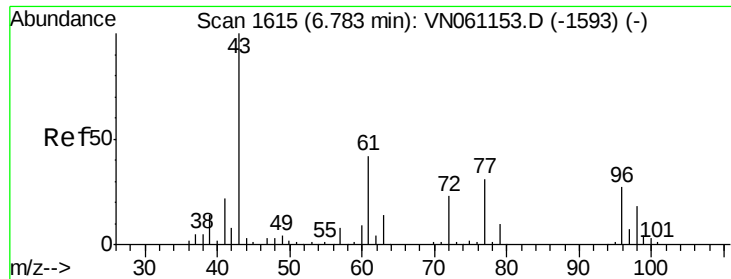
#20
Methylene Chloride
Concen: 1.335 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

Tgt Ion: 84 Resp: 1729
Ion Ratio Lower Upper
84 100
49 143.7 112.0 168.0
51 46.4 33.6 50.4
86 61.4 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

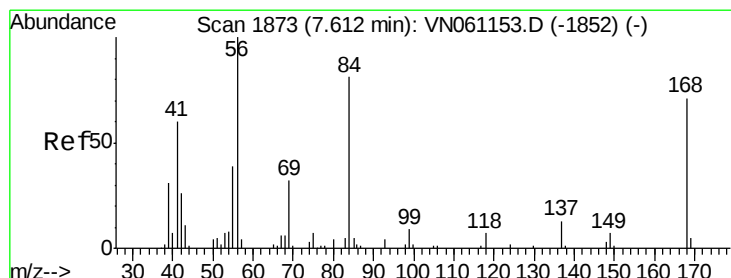
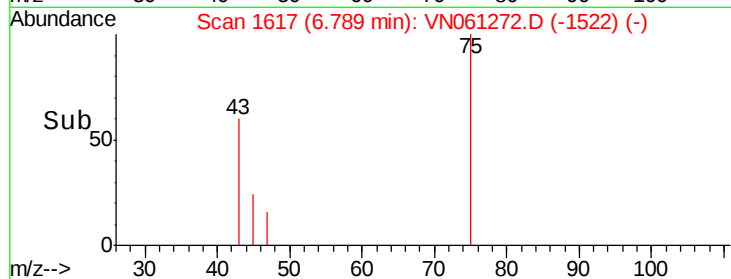
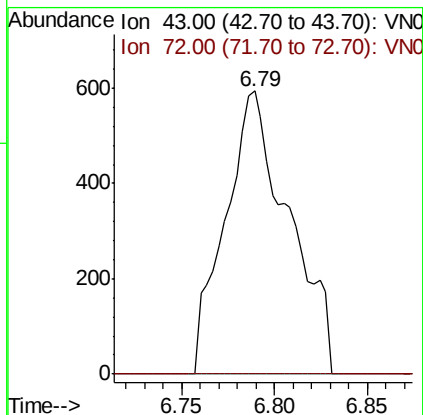
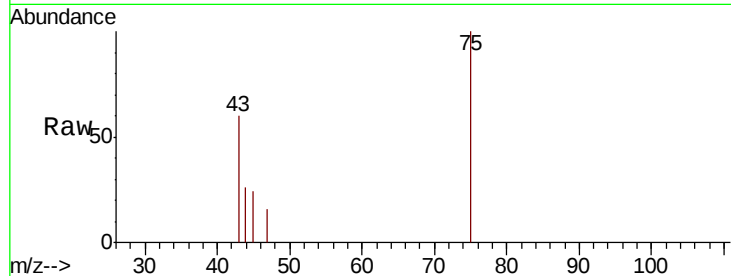




#25
2-Butanone
Concen: 1.444 ug/l
RT: 6.79 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

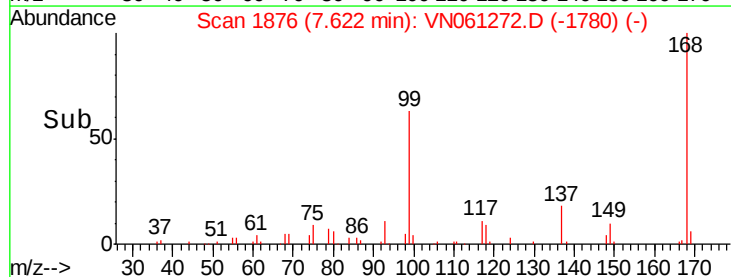
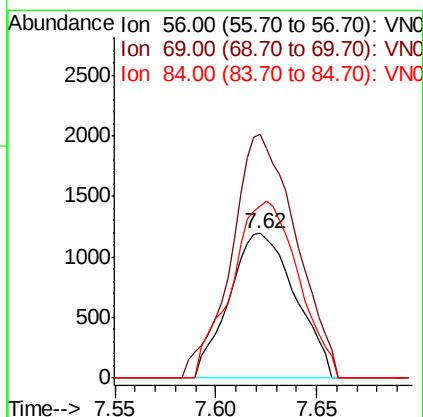
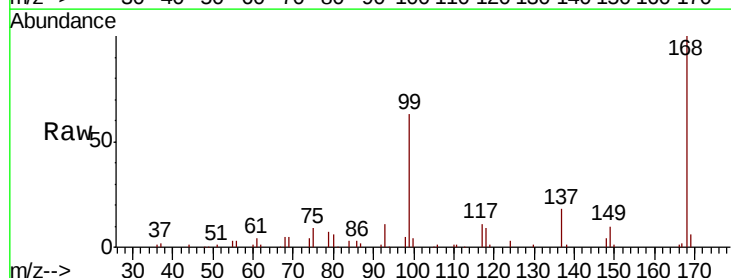
Instrument :
MSVOA_N
ClientSampleId :

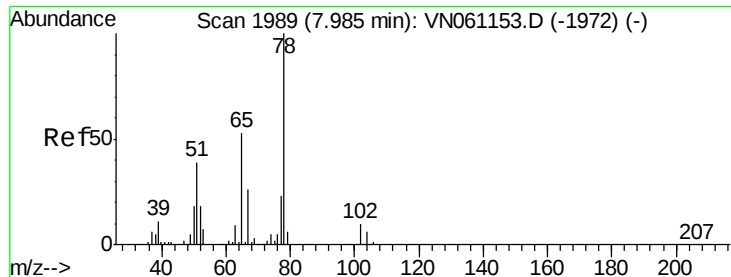
Tot Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

Tgt Ion: 56 Resp: 2730
Ion Ratio Lower Upper
56 100
69 168.5 25.7 38.5#
84 119.0 64.6 97.0#

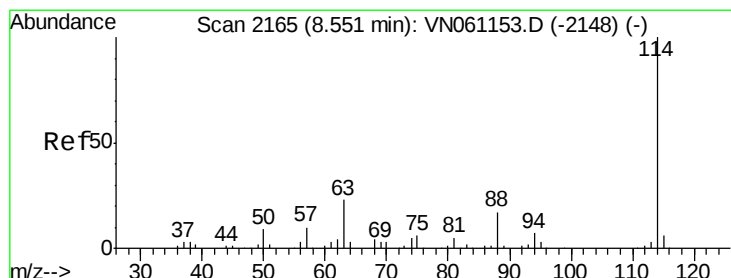
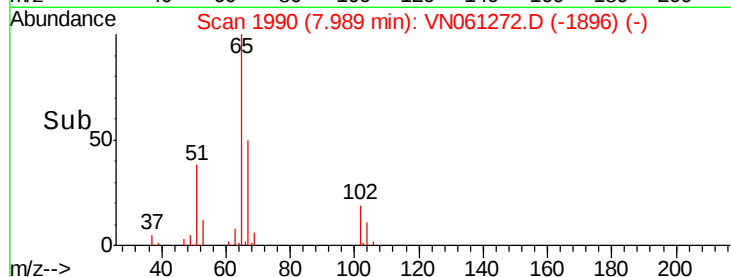
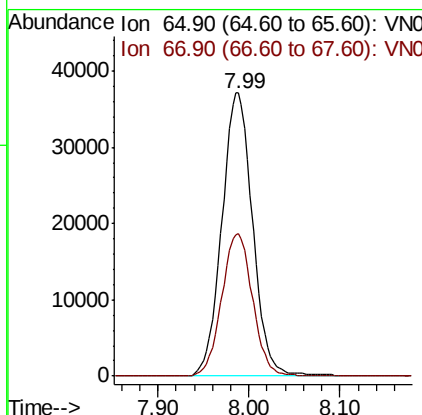
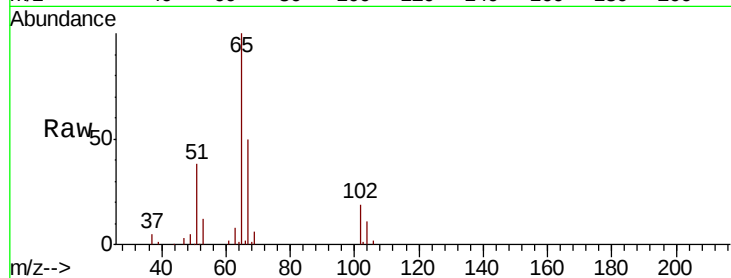




#33
 1,2-Dichloroethane-d4
 Concen: 52.507 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

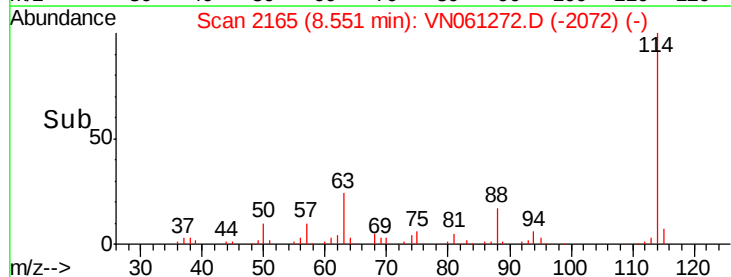
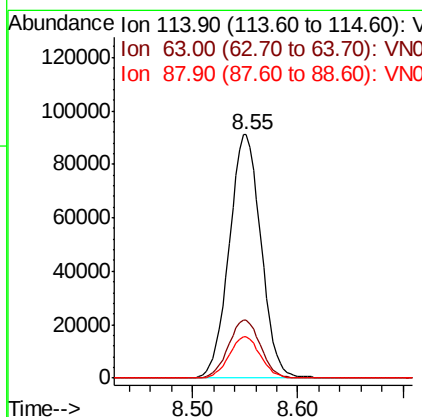
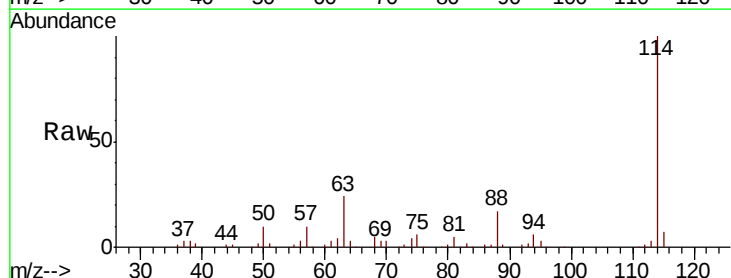
Instrument :
 MSVOA_N
 ClientSampleId :

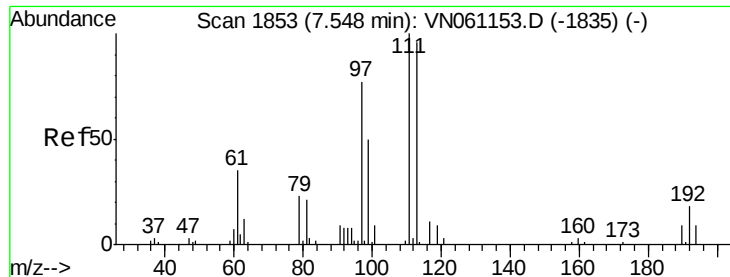
Tot Ion: 65 Resp: 87242
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

Tgt Ion: 114 Resp: 190226
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.6
 88 16.9 0.0 33.4

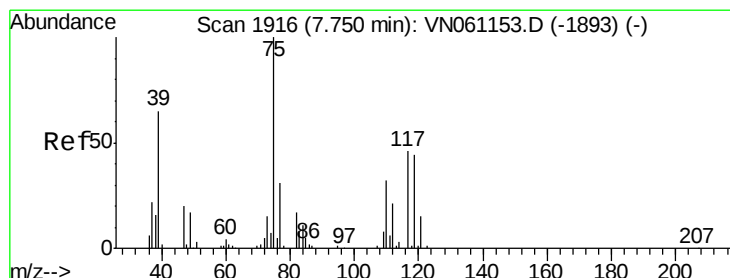
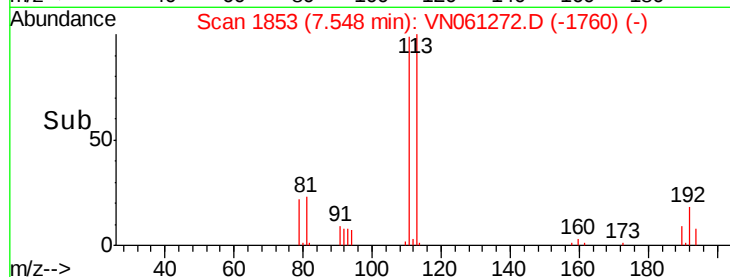
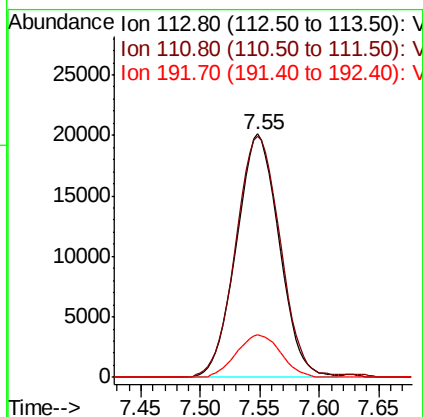
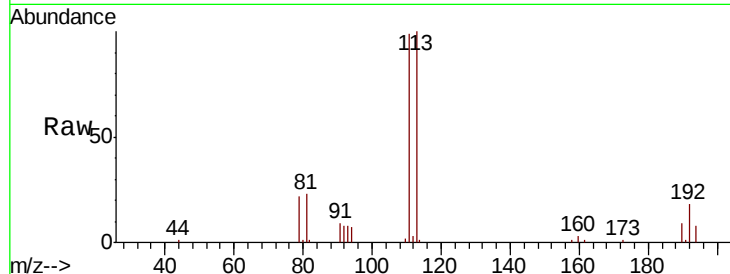




#35
 Dibromofluoromethane
 Concen: 44.641 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

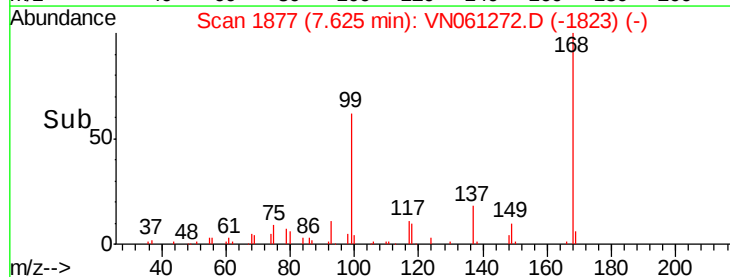
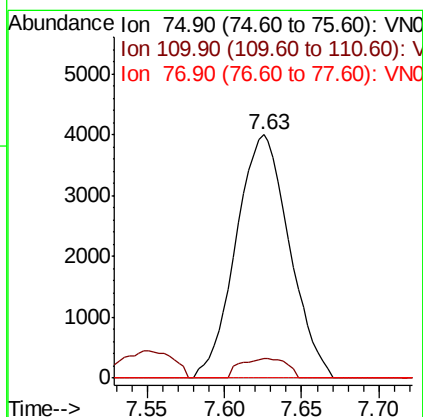
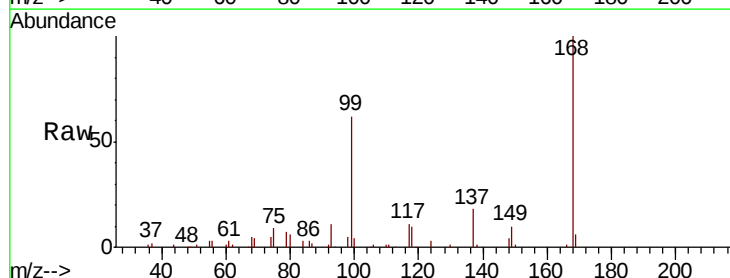
Instrument :
 MSVOA_N
 ClientSampled :

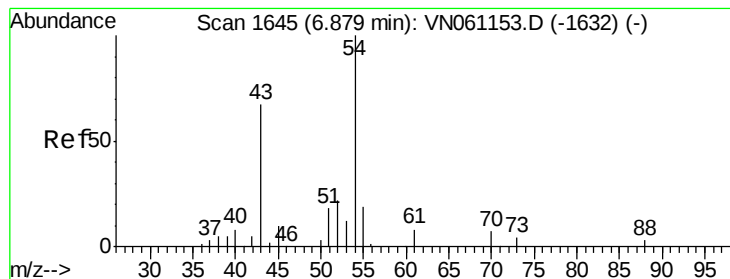
Tot Ion:113 Resp: 50215
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.9 124.3
 192 18.1 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

Tgt Ion: 75 Resp: 9593
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.0 48.0#
 77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.636 ug/l

RT: 6.79 min Scan# 1617

Delta R.T. -0.09 min

Lab File: VN061272.D

Acq: 4 May 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

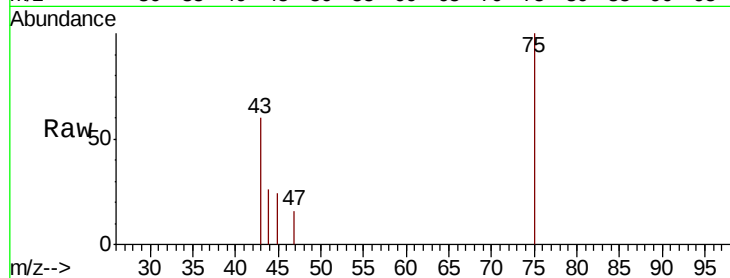
Tot Ion: 43 Resp: 1420

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

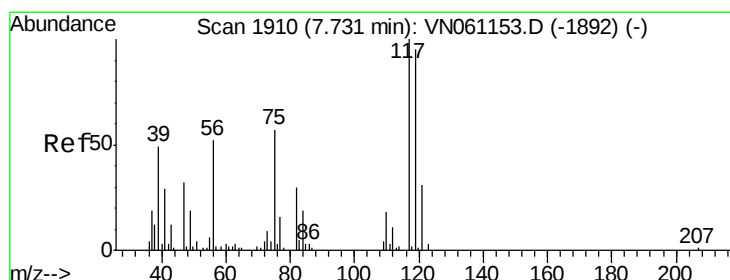
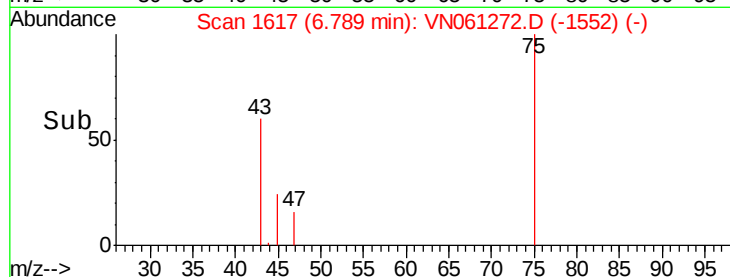
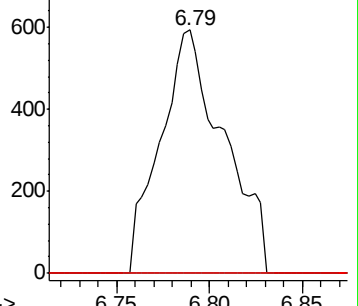
70 0.0 7.2 10.8#



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: 8.437 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.11 min

Lab File: VN061272.D

Acq: 4 May 2020 12:57

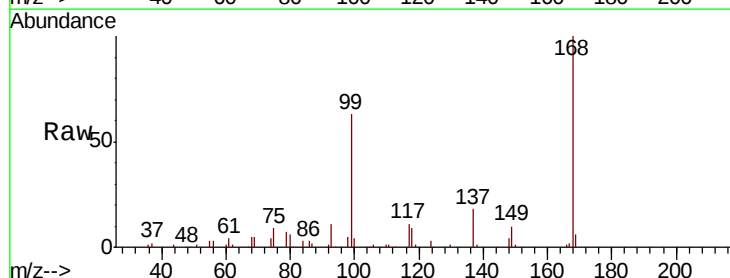
Tgt Ion: 117 Resp: 11197

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

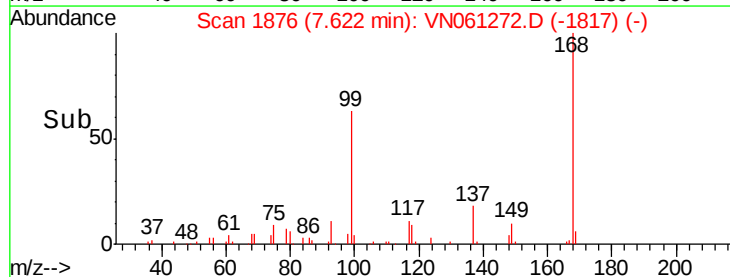
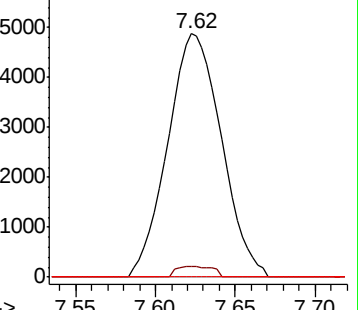
121 0.0 24.7 37.1#

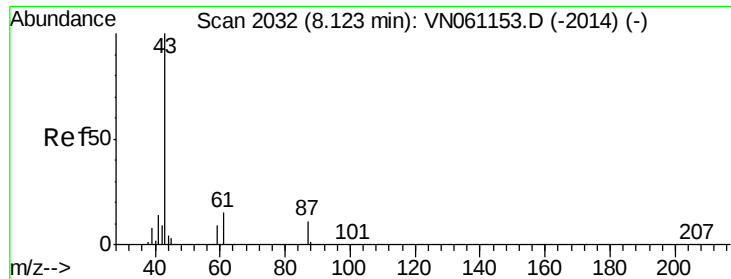


Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)

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

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





#43

Isopropyl Acetate

Concen: 10.905 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061272.D

Acq: 4 May 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

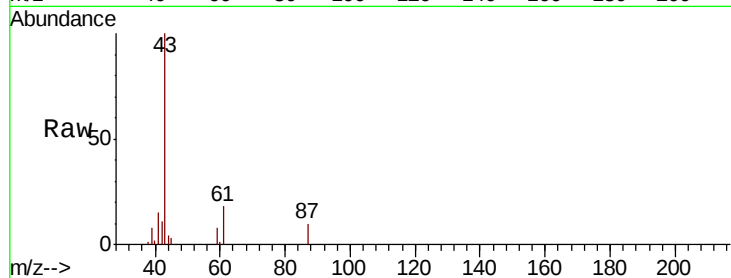
Tot Ion: 43 Resp: 40401

Ion Ratio Lower Upper

43 100

61 17.6 19.5 29.3#

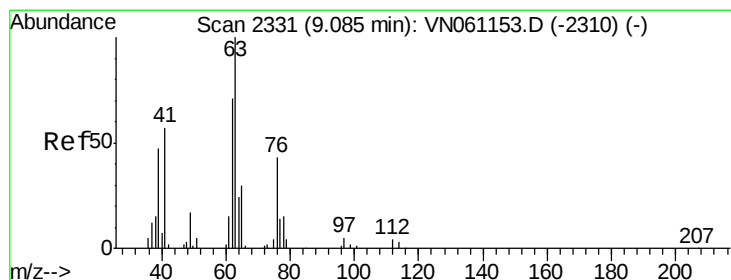
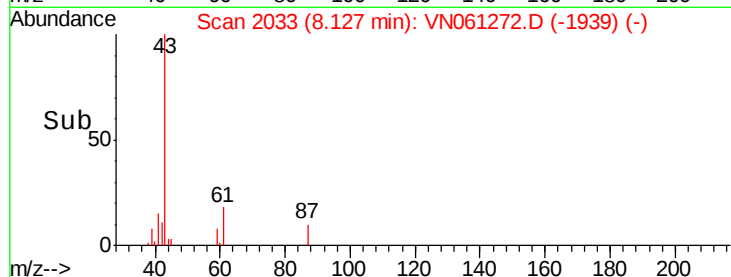
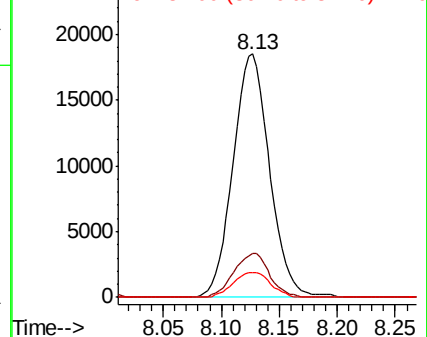
87 10.3 8.9 13.3



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) (-)



#45

1,2-Dichloropropane

Concen: 0.255 ug/l

RT: 9.23 min Scan# 2375

Delta R.T. 0.14 min

Lab File: VN061272.D

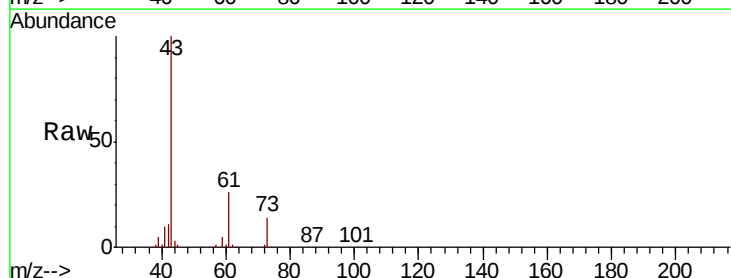
Acq: 4 May 2020 12:57

Tgt Ion: 63 Resp: 386

Ion Ratio Lower Upper

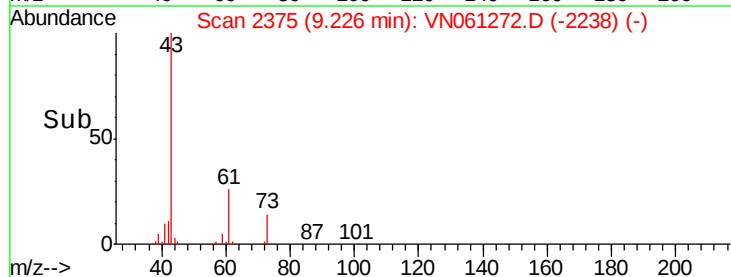
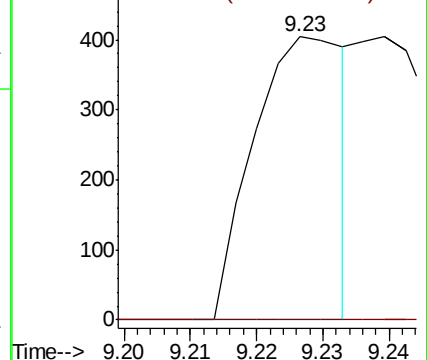
63 100

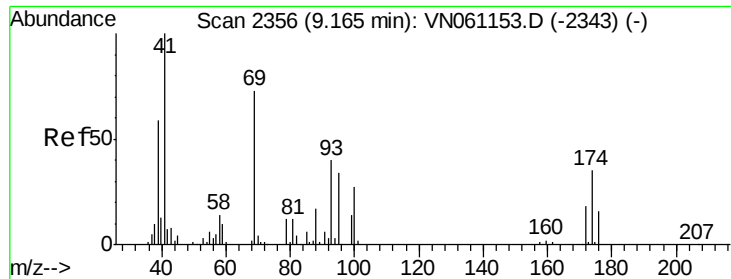
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-2310) (-)

Ion 64.90 (64.60 to 65.60): VN061153.D (-2310) (-)

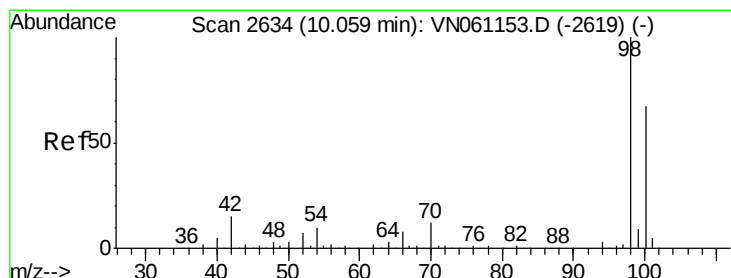
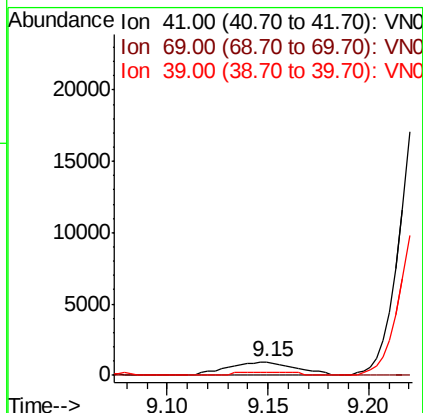
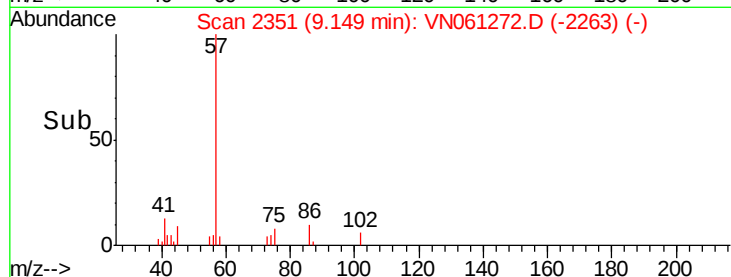
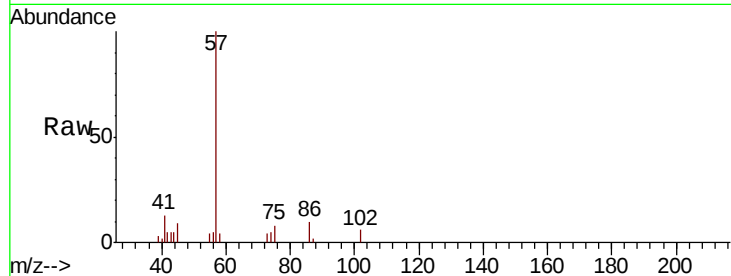




#48
Methvl methacrylate
Concen: 1.301 ug/l
RT: 9.15 min Scan# 2351
Delta R.T. -0.02 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

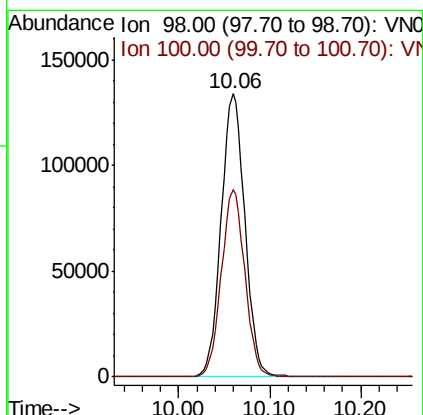
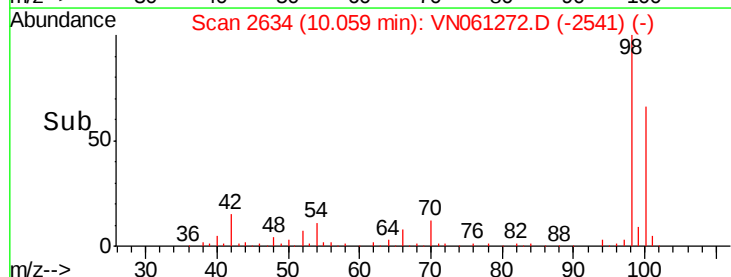
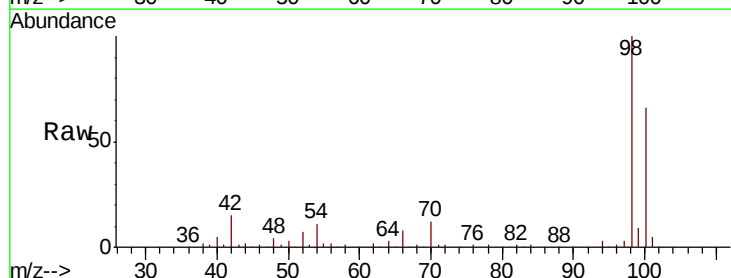
Instrument :
MSVOA_N
ClientSampleId :

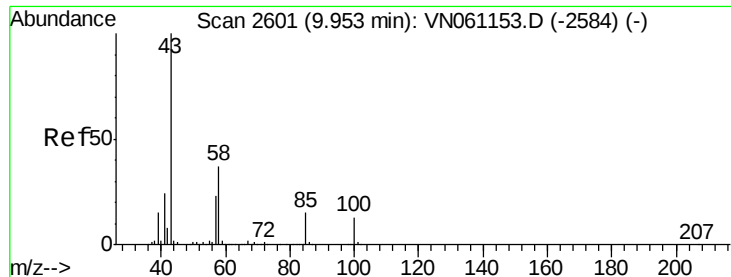
Tot Ion: 41 Resp: 2175
Ion Ratio Lower Upper
41 100
69 0.0 60.3 90.5#
39 0.0 47.4 71.0#



#50
Toluene-d8
Concen: 53.004 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

Tgt Ion: 98 Resp: 243048
Ion Ratio Lower Upper
98 100
100 65.6 53.4 80.0

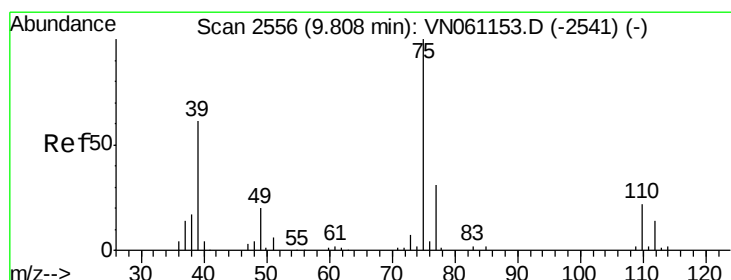
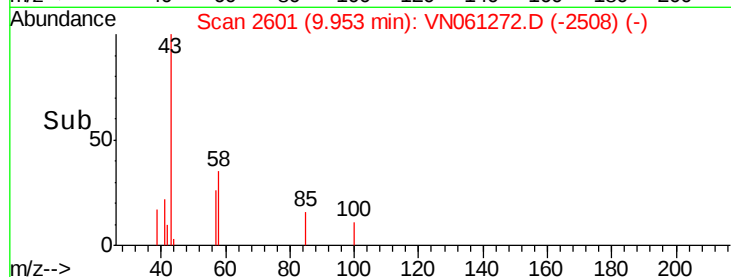
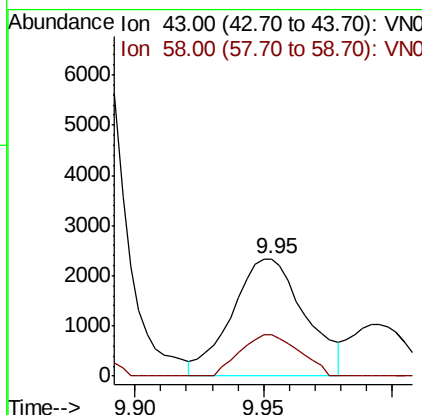
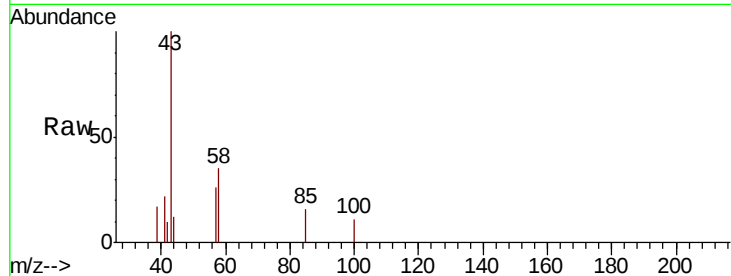




#51
 4-Methyl-2-Pentanone
 Concen: 2.110 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. 0.00 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

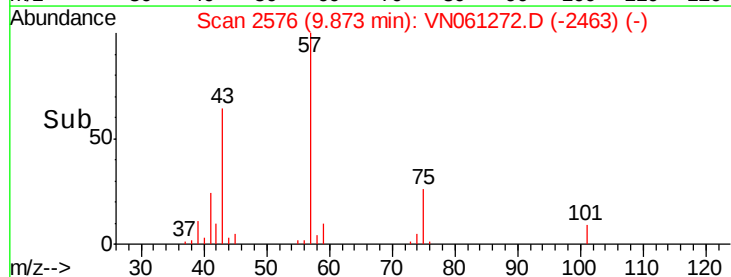
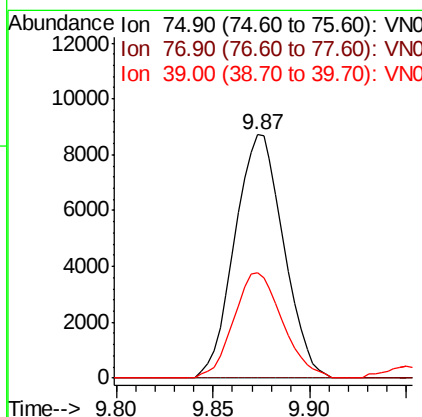
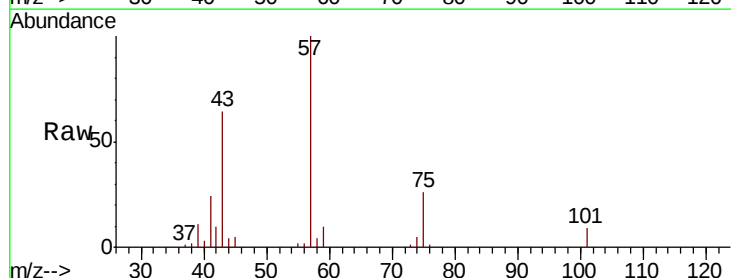
Instrument :
 MSVOA_N
 ClientSampleId :

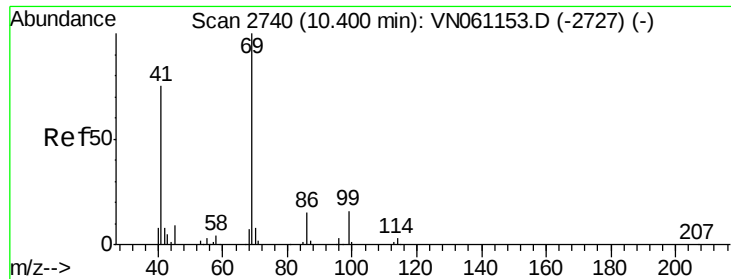
Tot Ion: 43 Resp: 4602
 Ion Ratio Lower Upper
 43 100
 58 28.6 29.1 43.7#



#54
 cis-1,3-Dichloropropene
 Concen: 6.380 ug/l
 RT: 9.87 min Scan# 2576
 Delta R.T. 0.06 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

Tgt Ion: 75 Resp: 15308
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 43.1 48.7 73.1#





#56

Ethyl methacrylate

Concen: 2.981 ug/l

RT: 10.51 min Scan# 2775

Delta R.T. 0.11 min

Lab File: VN061272.D

Acq: 4 May 2020 12:57

Instrument :

MSVOA_N

ClientSampled :

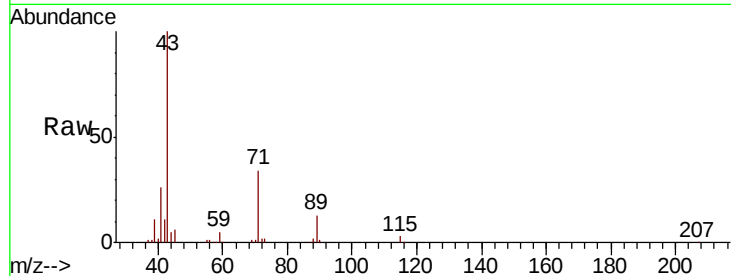
Tot Ion: 69 Resp: 637

Ion Ratio Lower Upper

69 100

41 5962.3 60.3 90.5#

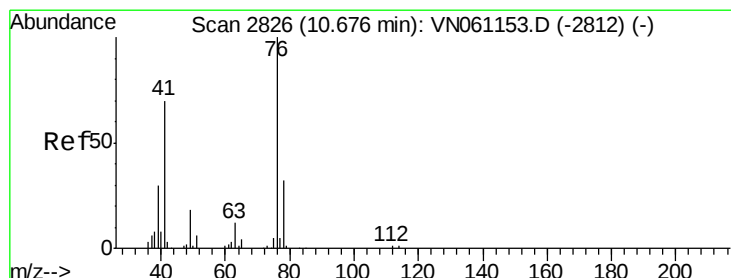
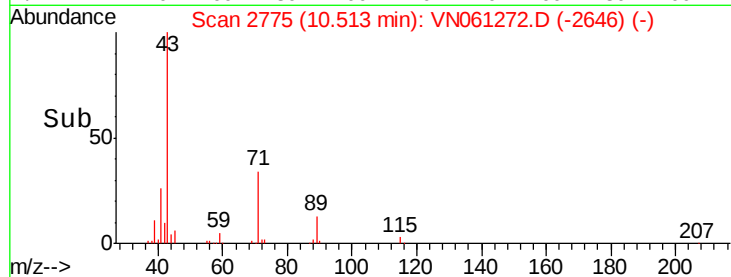
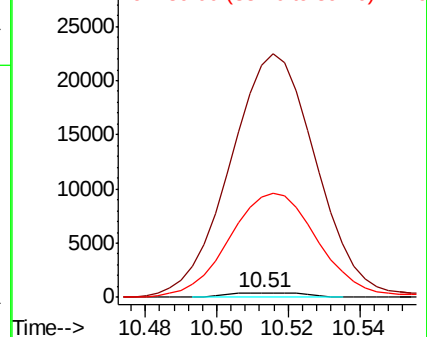
39 2636.9 35.9 53.9#



Abundance Ion 69.00 (68.70 to 69.70): VN061272.D (-2646) (-)

Ion 41.00 (40.70 to 41.70): VN061272.D (-2646) (-)

Ion 39.00 (38.70 to 39.70): VN061272.D (-2646) (-)



#57

1,3-Dichloropropane

Concen: 1.155 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.06 min

Lab File: VN061272.D

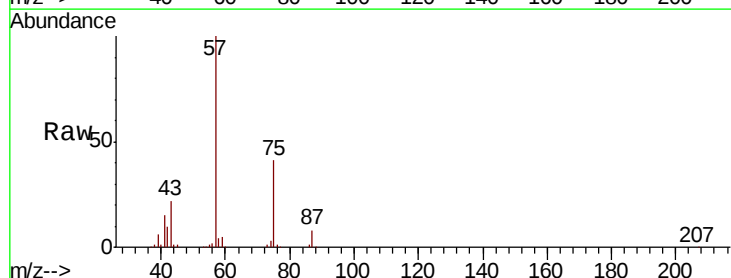
Acq: 4 May 2020 12:57

Tgt Ion: 76 Resp: 2768

Ion Ratio Lower Upper

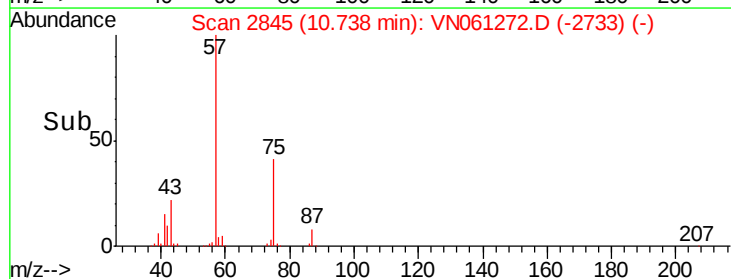
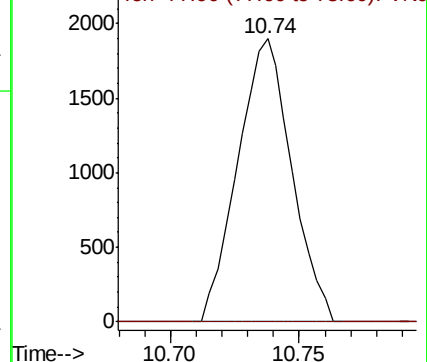
76 100

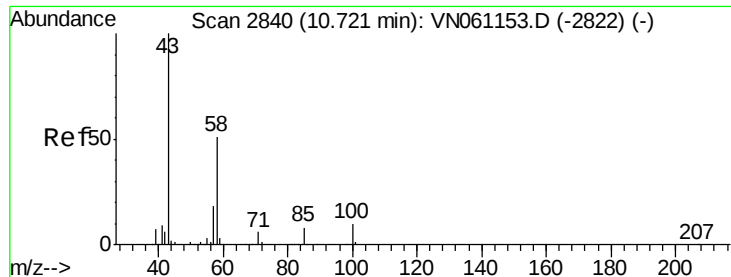
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN061272.D (-2733) (-)

Ion 77.90 (77.60 to 78.60): VN061272.D (-2733) (-)

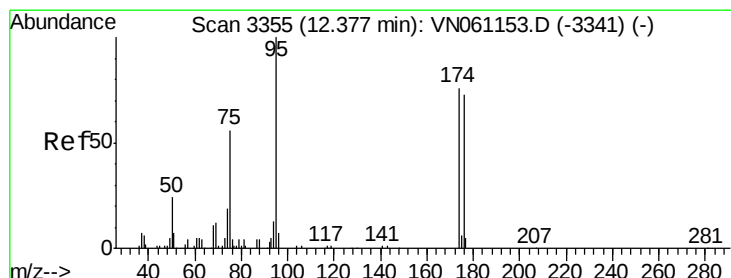
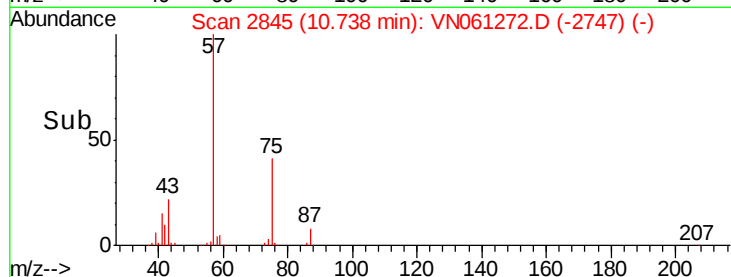
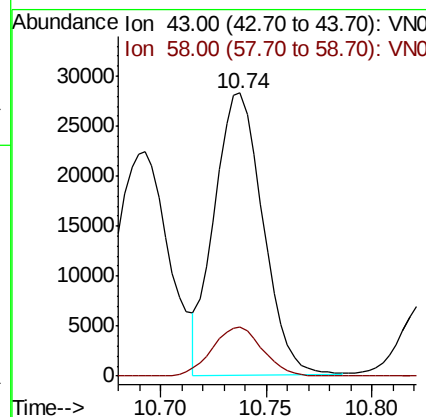
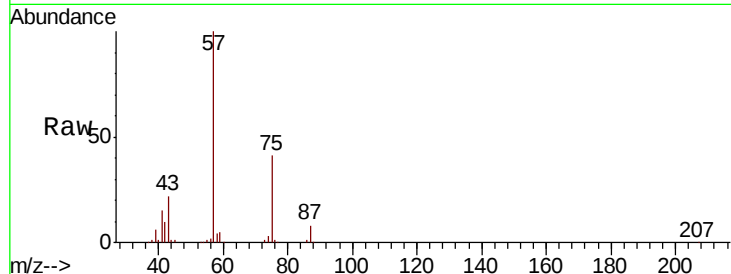




#59
2-Hexanone
Concen: 28.481 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.02 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

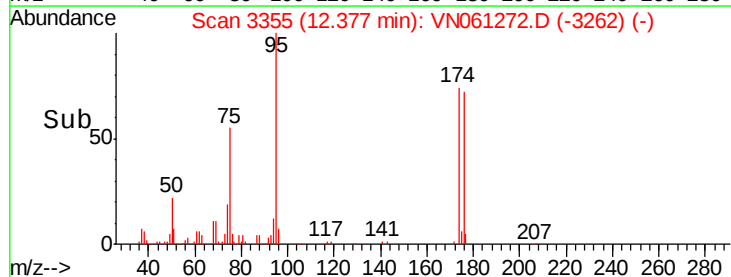
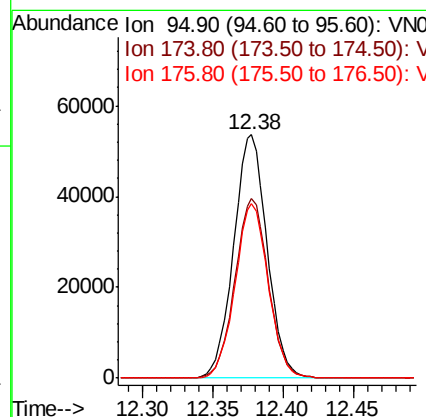
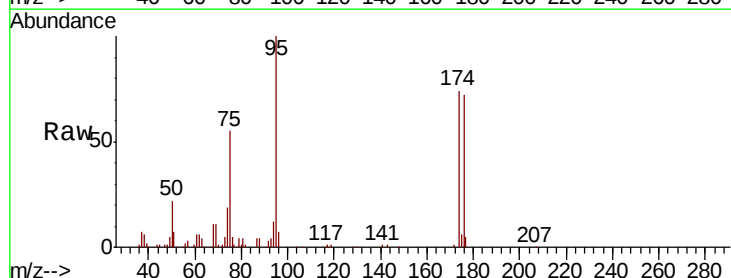
Instrument :
MSVOA_N
ClientSampleId :

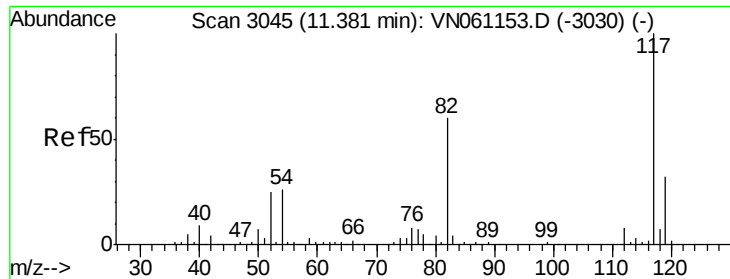
Tot Ion: 43 Resp: 45187
Ion Ratio Lower Upper
43 100
58 18.1 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 51.515 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

Tgt Ion: 95 Resp: 88894
Ion Ratio Lower Upper
95 100
174 73.6 0.0 149.4
176 71.2 0.0 144.8

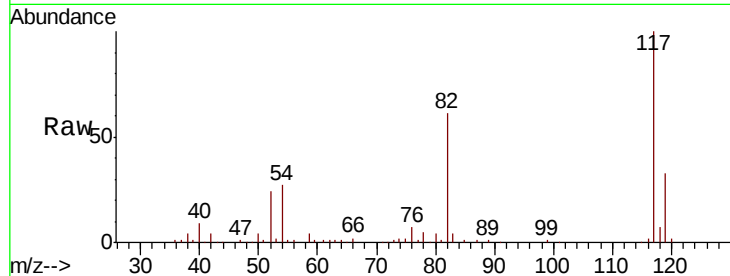




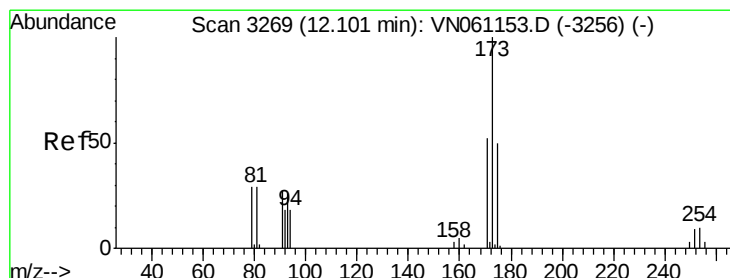
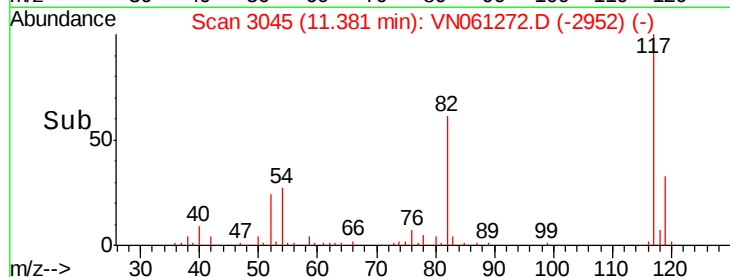
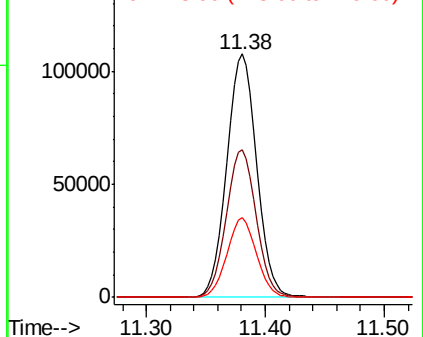
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 187953
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 32.8 25.8 38.6

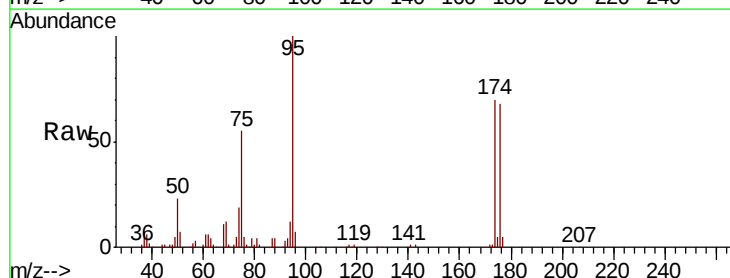


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

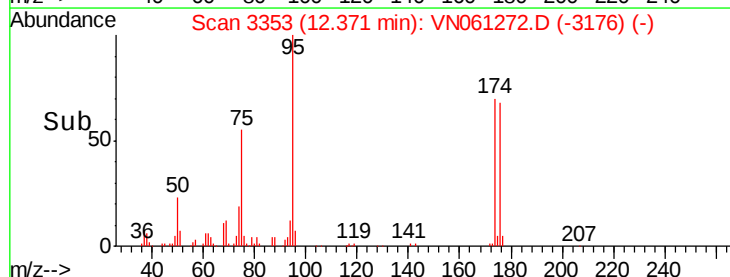
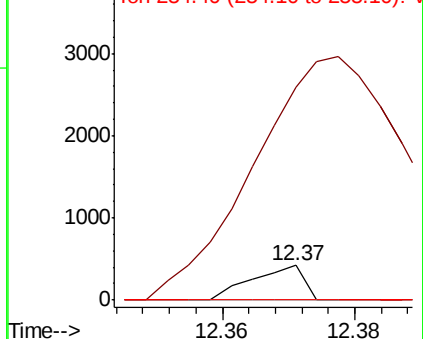


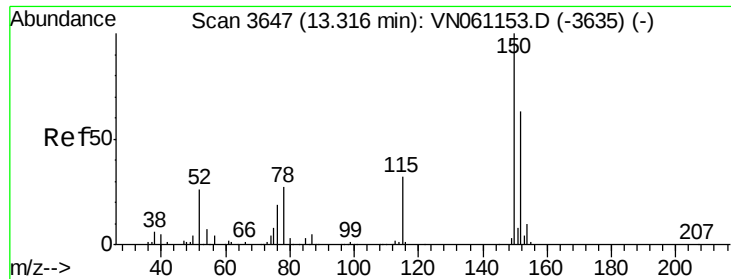
#71
Bromoform
Concen: 0.235 ug/l
RT: 12.37 min Scan# 3353
Delta R.T. 0.27 min
Lab File: VN061272.D
Acq: 4 May 2020 12:57

Tgt Ion:173 Resp: 230
Ion Ratio Lower Upper
173 100
175 1819.1 24.1 72.4#
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061272.D

Acq: 4 May 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

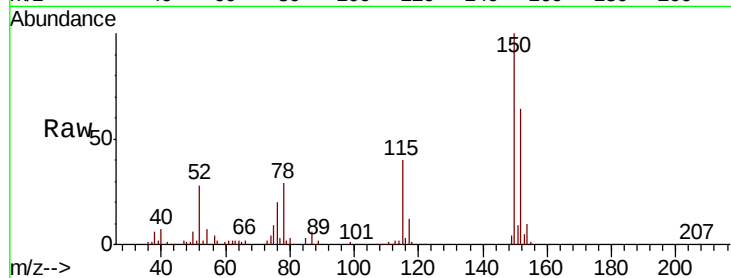
Tot Ion:152 Resp: 78415

Ion Ratio Lower Upper

152 100

115 62.3 31.0 93.0

150 158.0 0.0 351.8

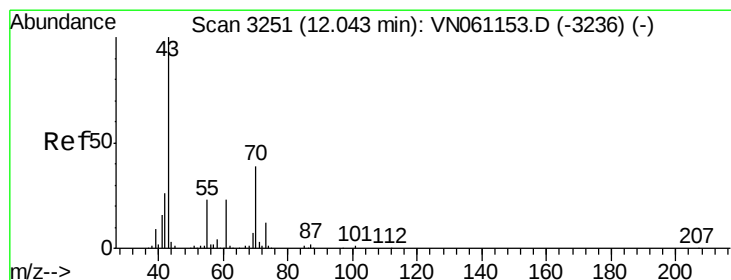
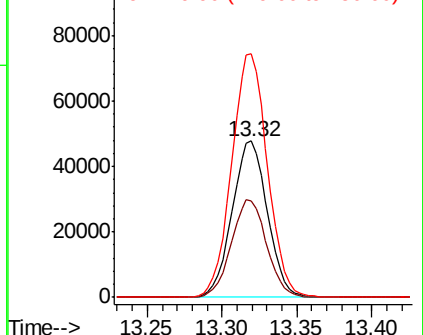
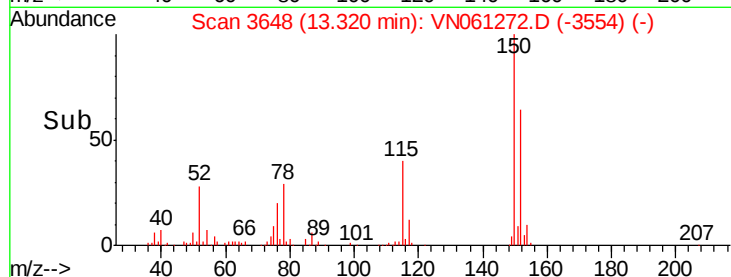


Abundance

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



#74

N-ethyl acetate

Concen: 0.799 ug/l

RT: 12.00 min Scan# 3239

Delta R.T. -0.04 min

Lab File: VN061272.D

Acq: 4 May 2020 12:57

Tgt Ion: 43 Resp: 2332

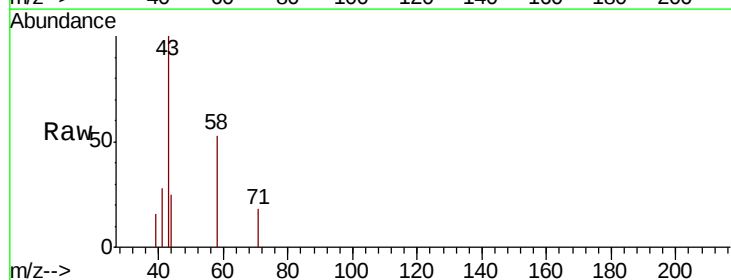
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#



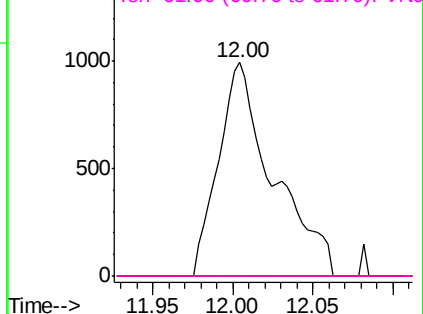
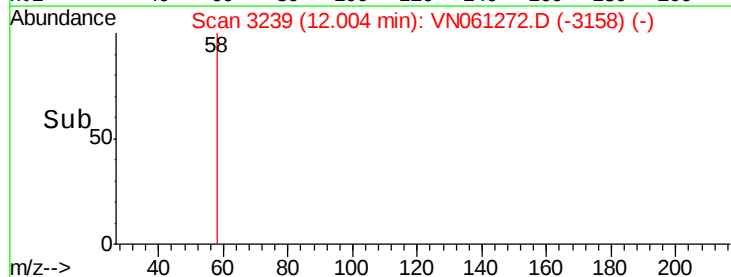
Abundance

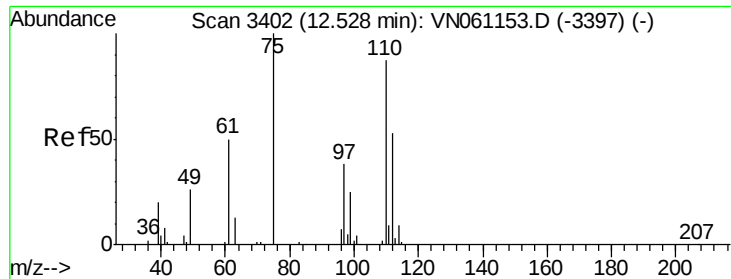
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

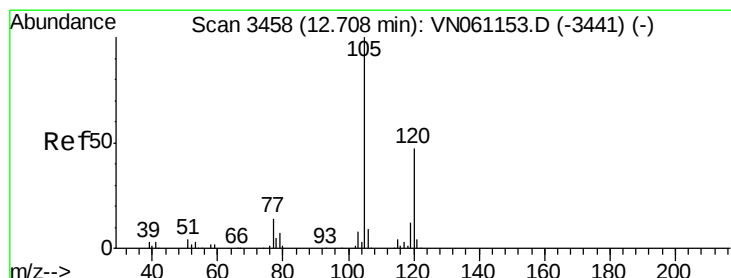
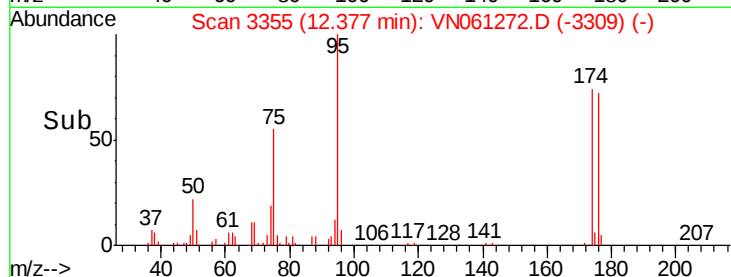
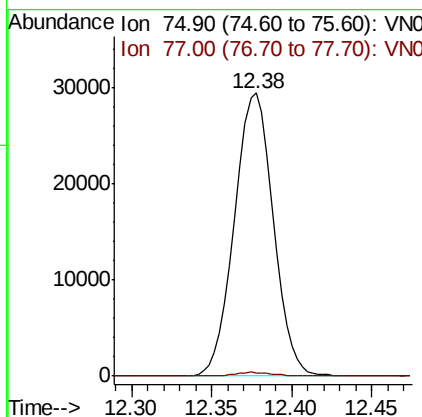
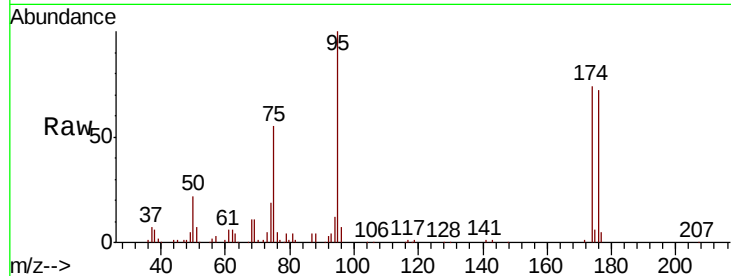




#76
 1,2,3-Trichloropropane
 Concen: 29.515 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

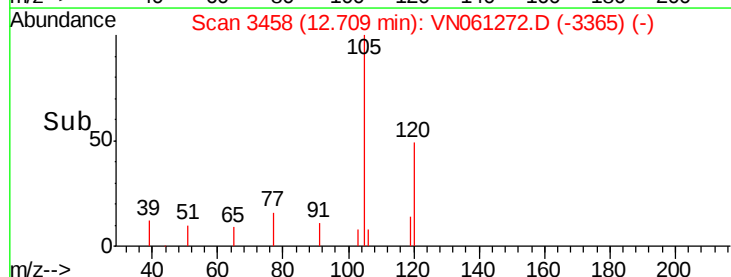
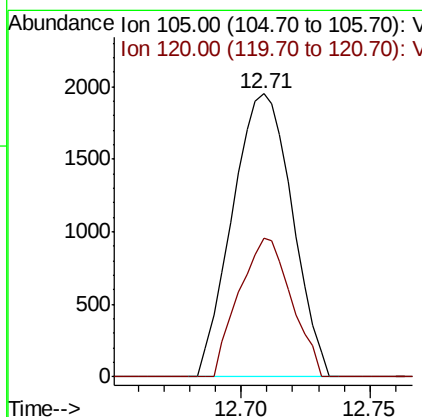
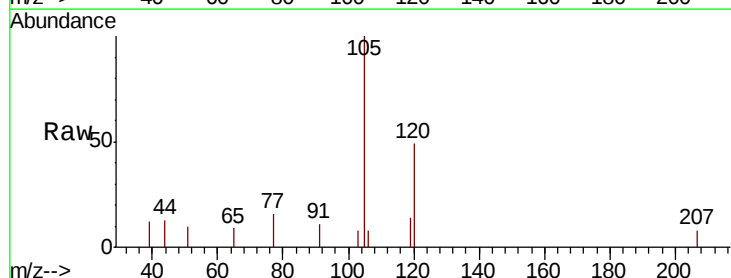
Instrument :
 MSVOA_N
 ClientSampleId :

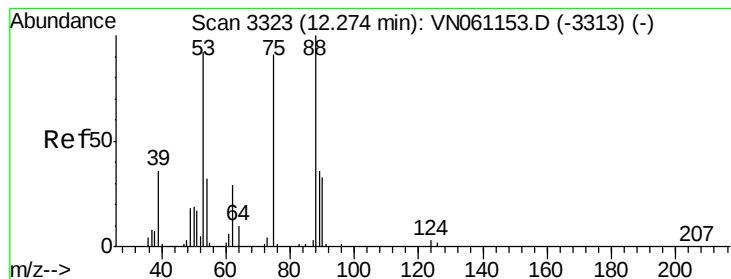
Tot Ion: 75 Resp: 48794
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.662 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061272.D
 Acq: 4 May 2020 12:57

Tgt Ion:105 Resp: 3160
 Ion Ratio Lower Upper
 105 100
 120 42.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 74.953 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061272.D

Acq: 4 May 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 48794

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

