

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077690.D
 Acq On : 16 May 2023 14:15
 Operator : JC\MD
 Sample : 02803-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-02-051523

Quant Time: May 17 04:00:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

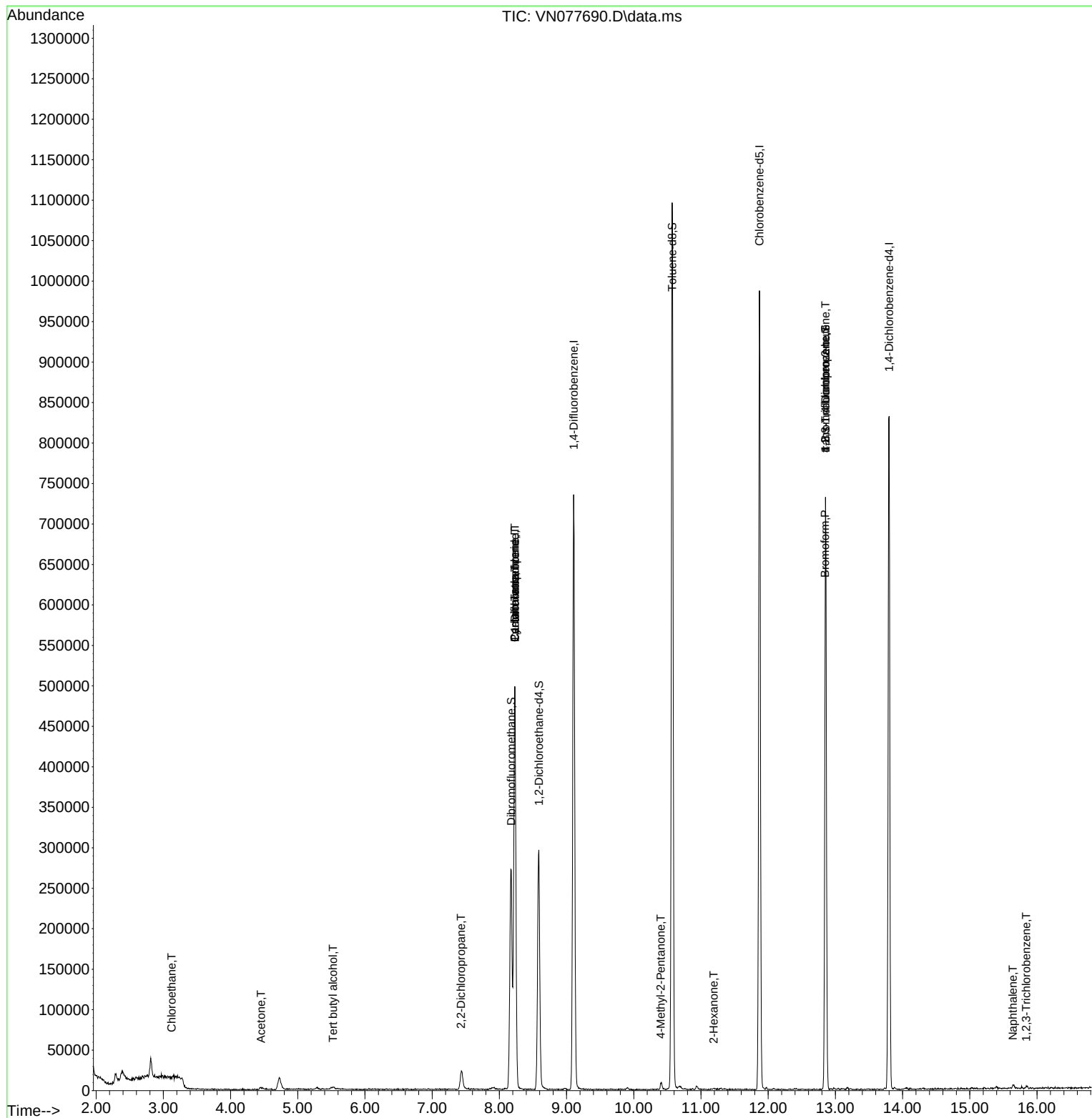
Internal Standards						
1) Pentafluorobenzene	8.230	168	345991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	630050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	557051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	219087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	245879	47.495	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.000%		
35) Dibromofluoromethane	8.177	113	204725	49.830	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.660%		
50) Toluene-d8	10.571	98	786685	49.747	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.500%		
62) 4-Bromofluorobenzene	12.853	95	258674	46.315	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2486	Below Cal	#	74
6) Chloroethane	3.124	64	992	0.277	ug/l #	58
11) Tert butyl alcohol	5.524	59	2791	3.906	ug/l #	72
13) Acrolein	4.183	56	176	Below Cal	#	16
16) Acetone	4.453	43	5221	3.206	ug/l #	78
20) Methylene Chloride	5.283	84	1543	Below Cal	#	82
26) 2,2-Dichloropropane	7.430	77	2028	0.311	ug/l #	53
31) Cyclohexane	8.230	56	9155	1.301	ug/l #	47
36) 1,1-Dichloropropene	8.230	75	32109	5.343	ug/l #	47
38) Carbon Tetrachloride	8.230	117	40459	6.667	ug/l #	14
51) 4-Methyl-2-Pentanone	10.400	43	4513	0.868	ug/l #	31
59) 2-Hexanone	11.188	43	815	0.212	ug/l	61
71) Bromoform	12.847	173	1286	0.463	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	139621	25.447	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	139621	81.342	ug/l #	15
95) Naphthalene	15.641	128	4018	0.268	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	981	0.230	ug/l #	85

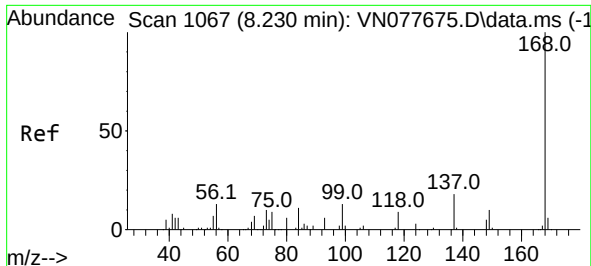
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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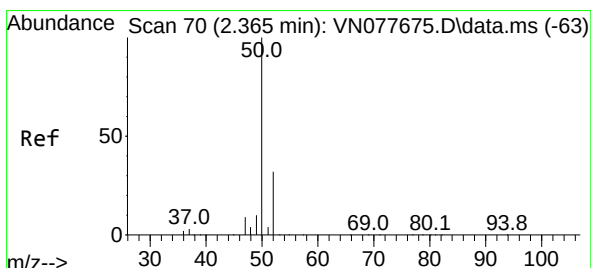
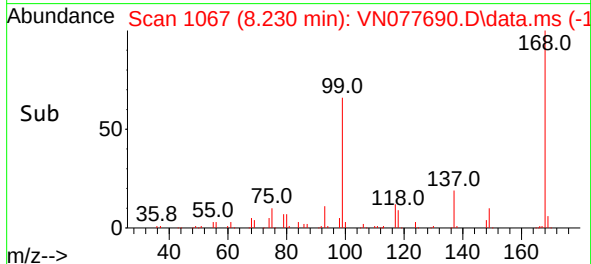
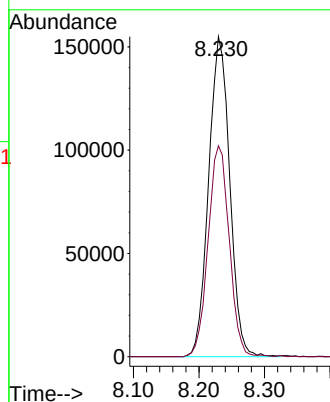
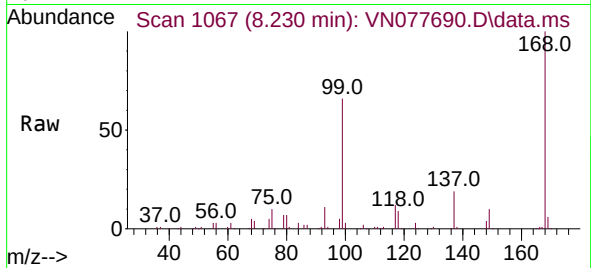




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

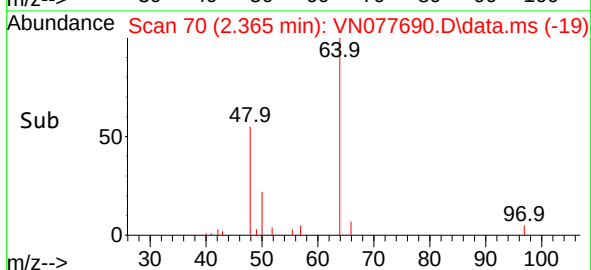
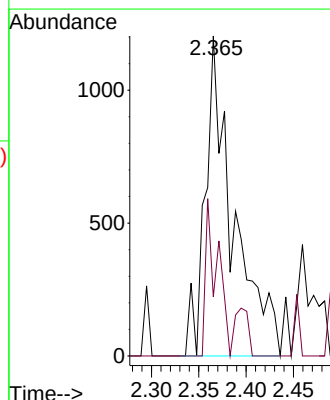
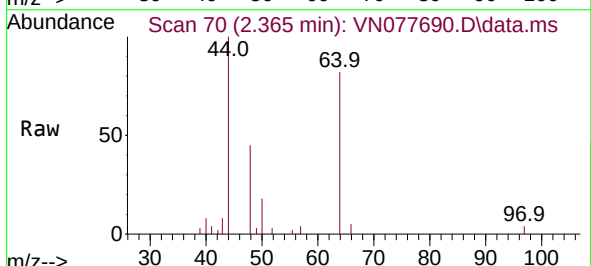
Instrument :
MSVOA_N
ClientSampleId :
TB-02-051523

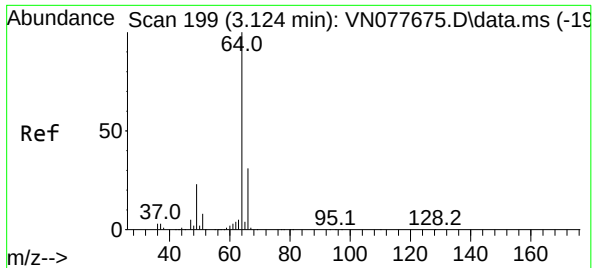
Tgt Ion:168 Resp: 345991
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

Tgt Ion: 50 Resp: 2486
Ion Ratio Lower Upper
50 100
52 18.4 26.5 39.7#

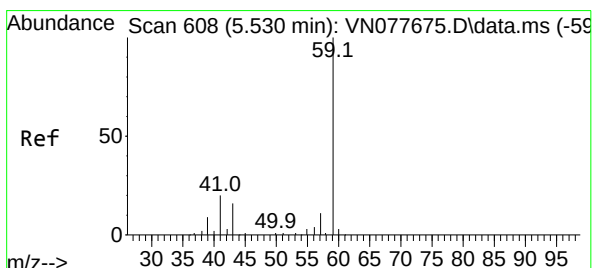
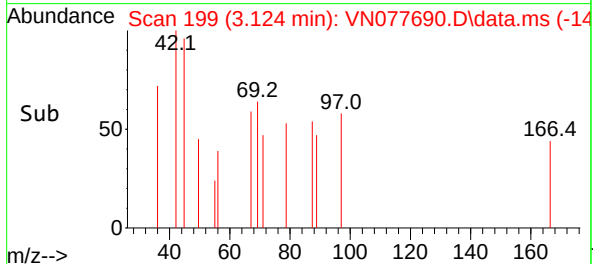
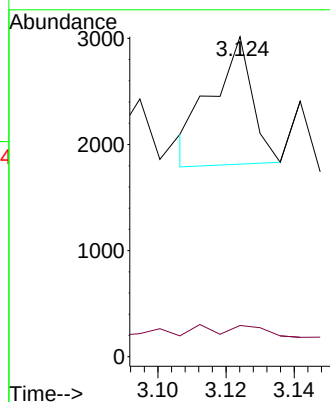
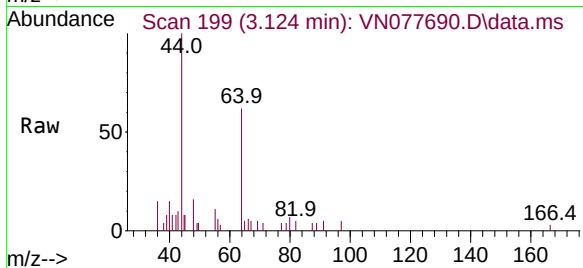




#6
Chloroethane
Concen: 0.277 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

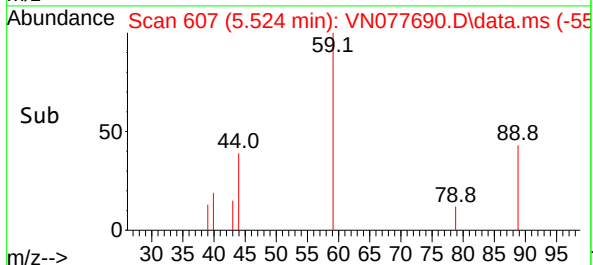
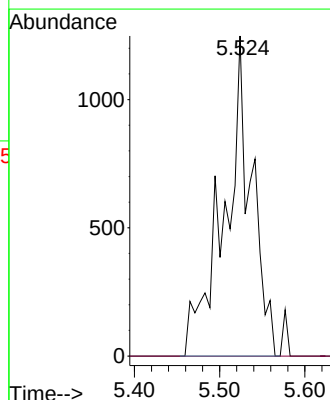
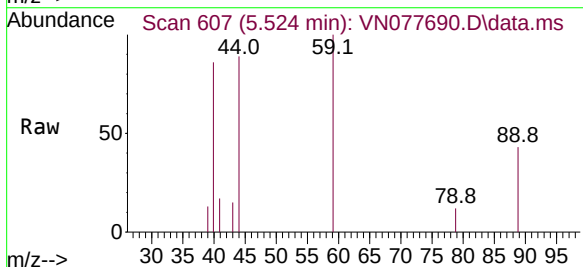
Instrument :
MSVOA_N
ClientSampleId :
TB-02-051523

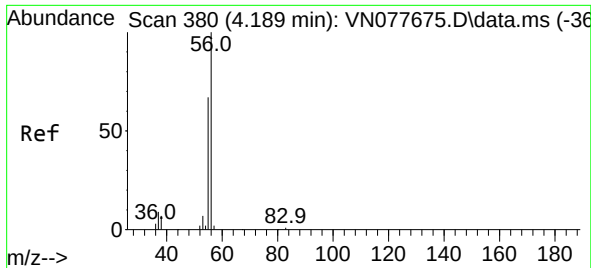
Tgt Ion: 64 Resp: 992
Ion Ratio Lower Upper
64 100
66 8.4 25.4 38.2#



#11
Tert butyl alcohol
Concen: 3.906 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

Tgt Ion: 59 Resp: 2791
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

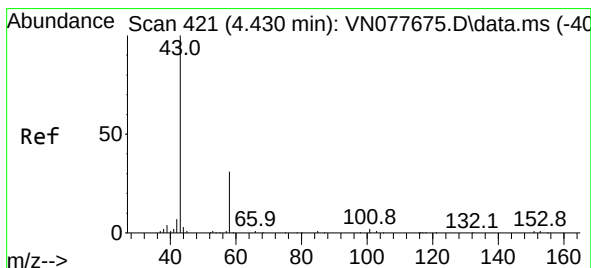
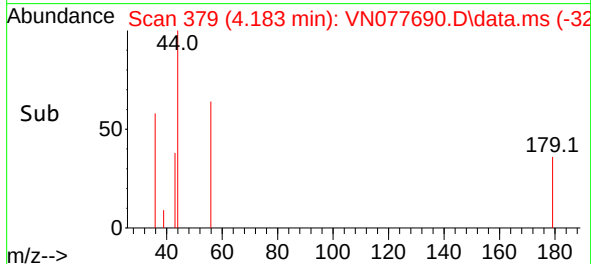
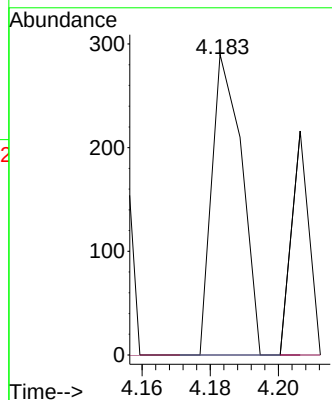
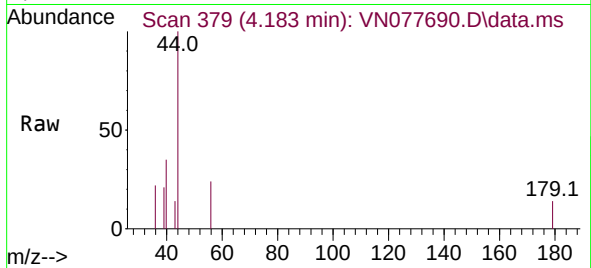




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

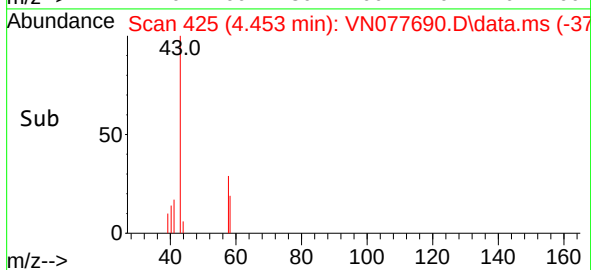
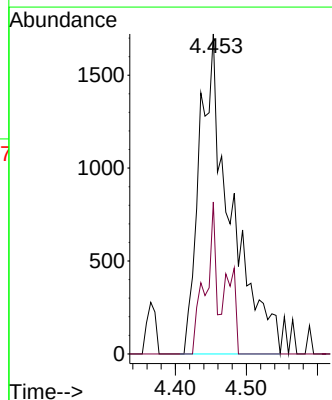
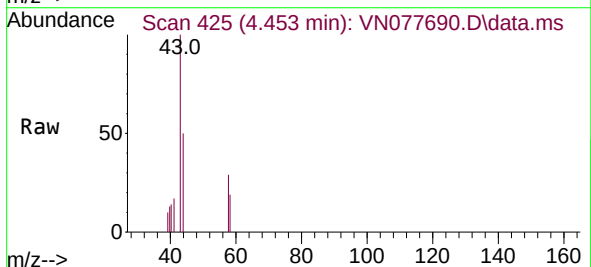
Instrument :
MSVOA_N
ClientSampleId :
TB-02-051523

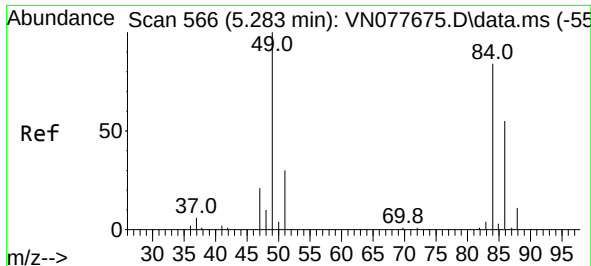
Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 3.206 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

Tgt Ion: 43 Resp: 5221
Ion Ratio Lower Upper
43 100
58 47.5 28.0 42.0#

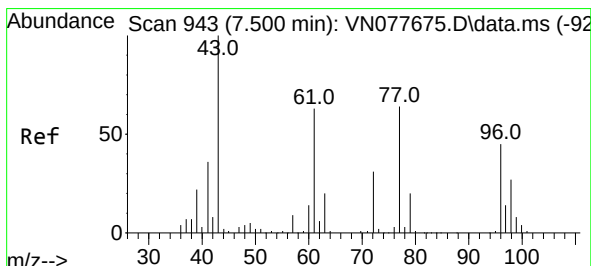
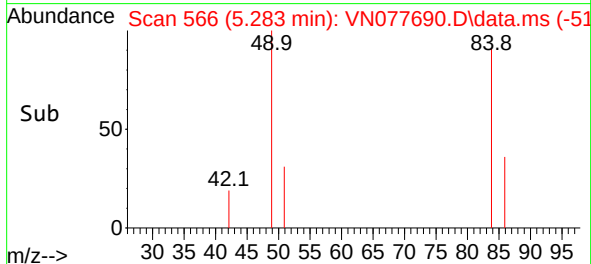
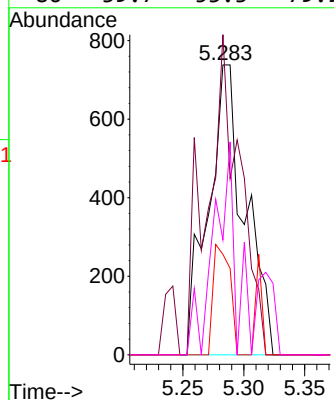
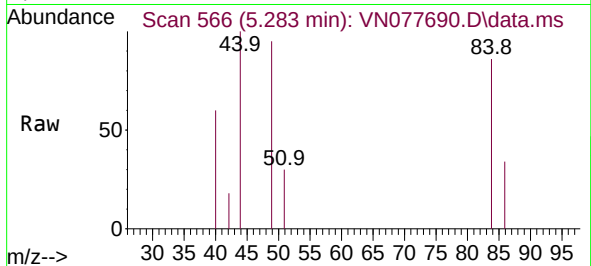




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

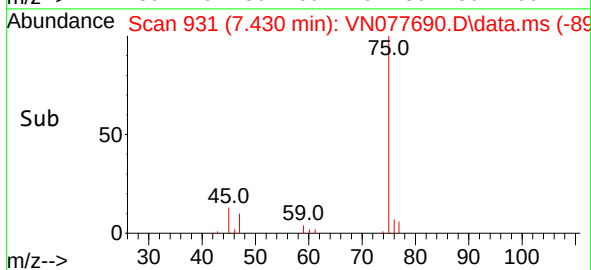
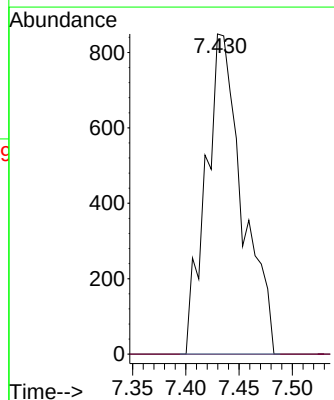
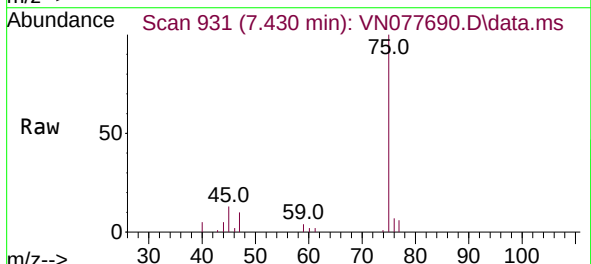
Instrument :
MSVOA_N
ClientSampleId :
TB-02-051523

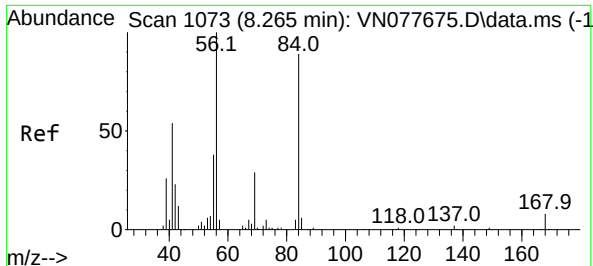
Tgt Ion:	84	Resp:	1543
Ion	Ratio	Lower	Upper
84	100		
49	110.4	79.7	119.5
51	34.7	25.2	37.8
86	39.7	53.3	79.9



#26
2,2-Dichloropropane
Concen: 0.311 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.070 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

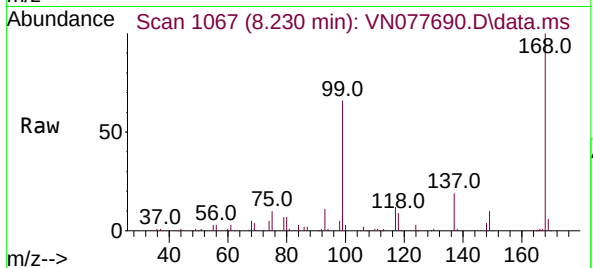
Tgt Ion:	77	Resp:	2028
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.2	33.6



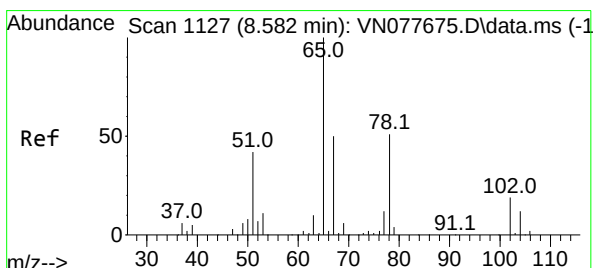
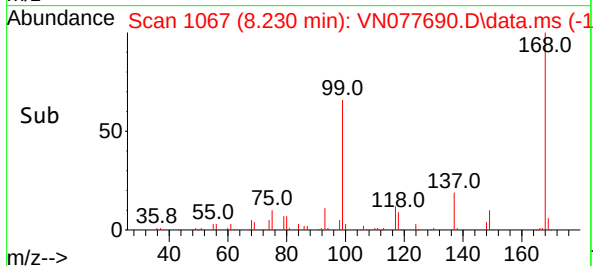
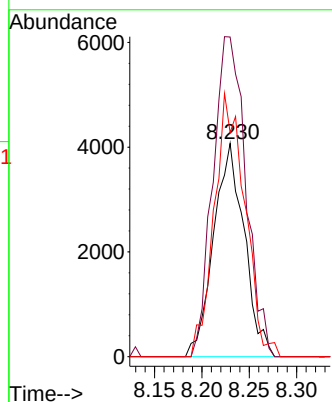


#31
Cyclohexane
Concen: 1.301 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
TB-02-051523

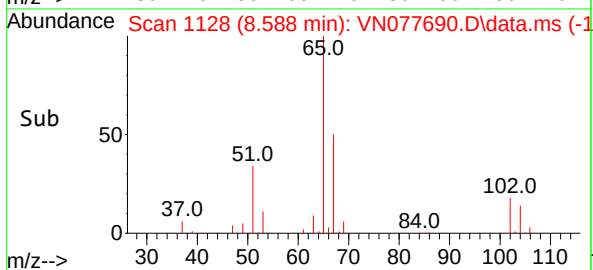
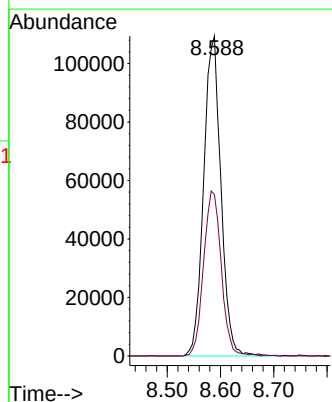
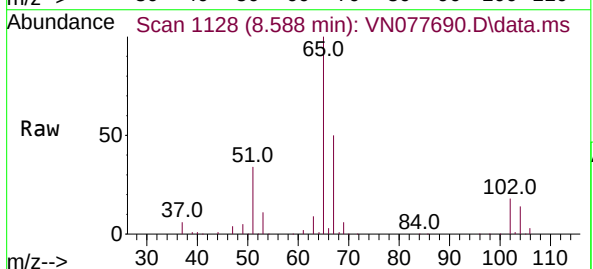


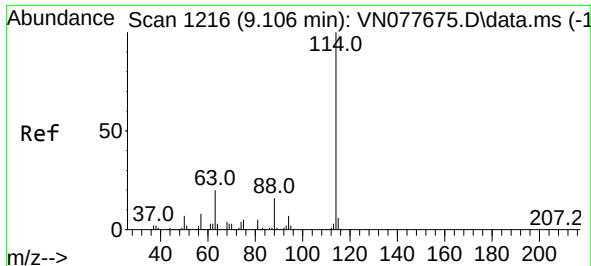
Tgt Ion: 56 Resp: 9155
Ion Ratio Lower Upper
56 100
69 149.9 26.8 40.2#
84 105.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.495 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

Tgt Ion: 65 Resp: 245879
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6

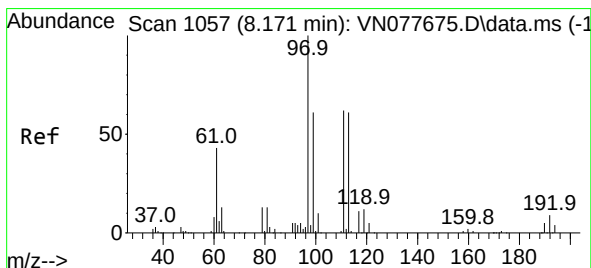
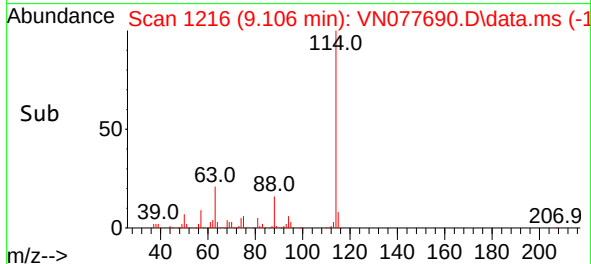
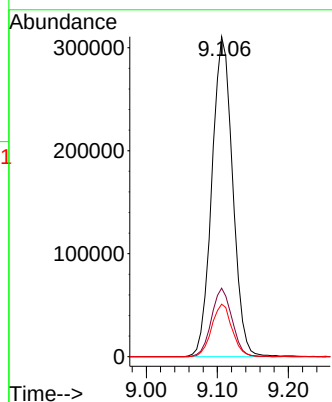
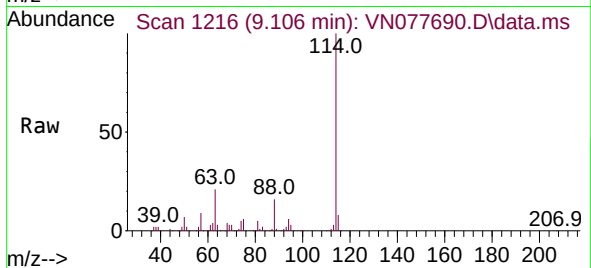




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

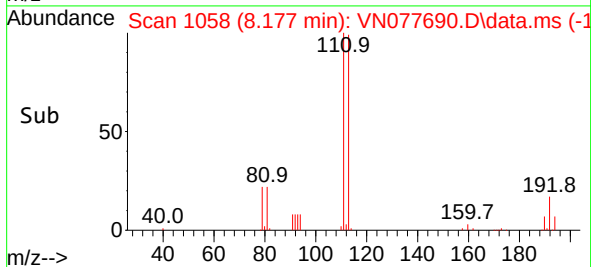
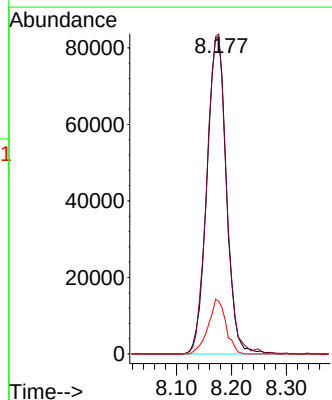
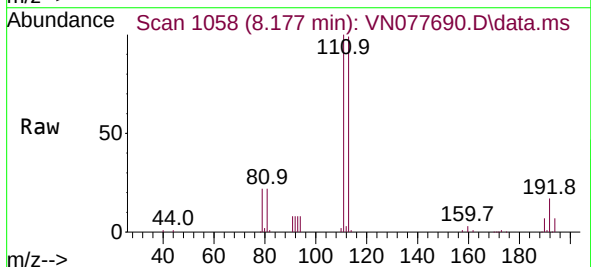
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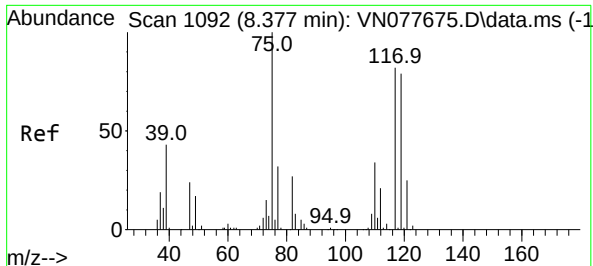
Tgt Ion:114 Resp: 630050
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.4
88 16.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.830 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

Tgt Ion:113 Resp: 204725
Ion Ratio Lower Upper
113 100
111 100.9 82.6 123.8
192 15.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.343 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077690.D

Acq: 16 May 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

TB-02-051523

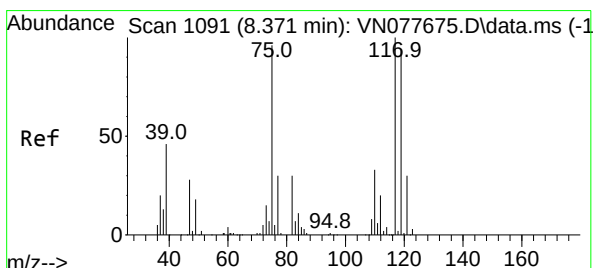
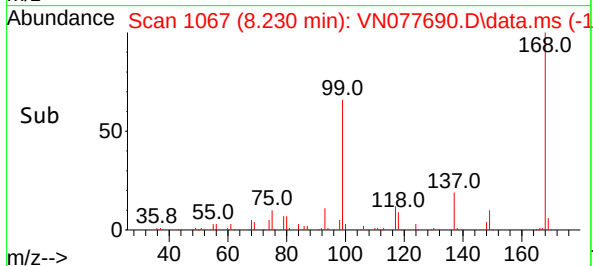
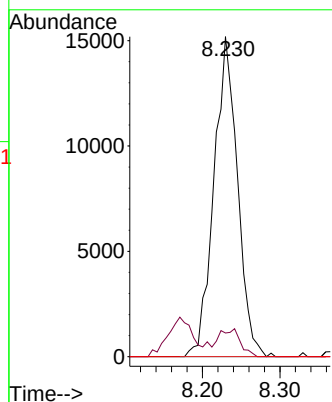
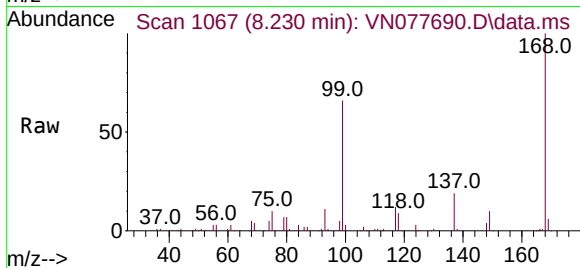
Tgt Ion: 75 Resp: 32109

Ion Ratio Lower Upper

75 100

110 7.9 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.667 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077690.D

Acq: 16 May 2023 14:15

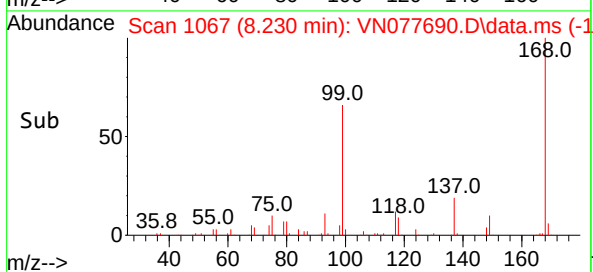
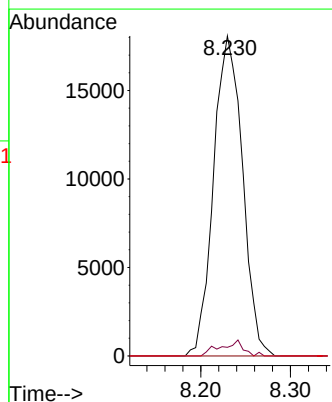
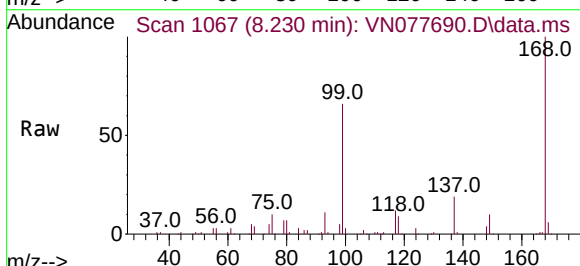
Tgt Ion: 117 Resp: 40459

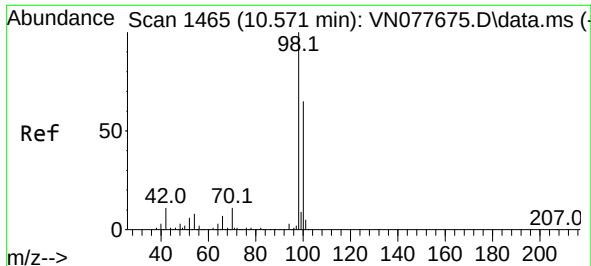
Ion Ratio Lower Upper

117 100

119 2.7 77.3 115.9#

121 0.0 23.3 34.9#

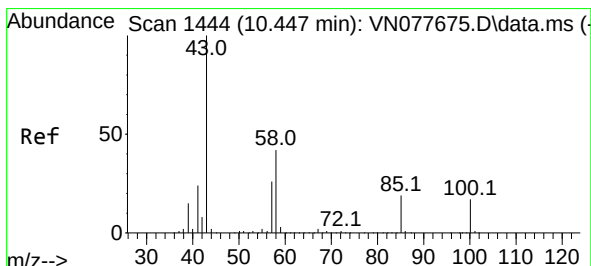
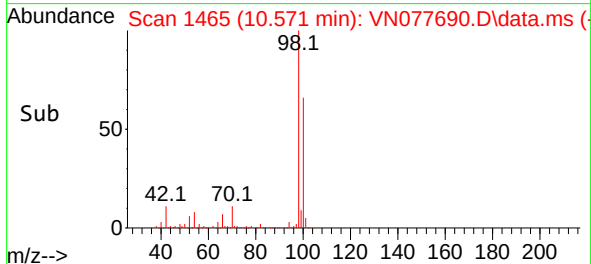
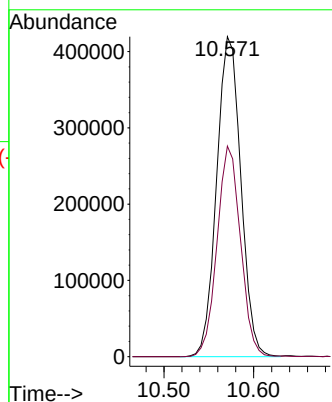
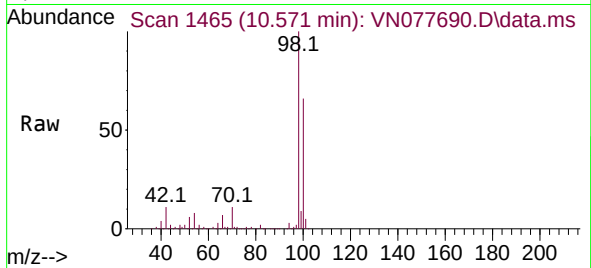




#50
Toluene-d8
Concen: 49.747 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

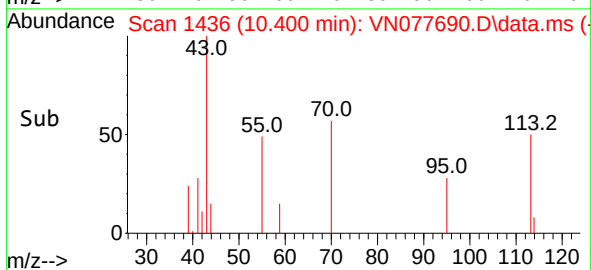
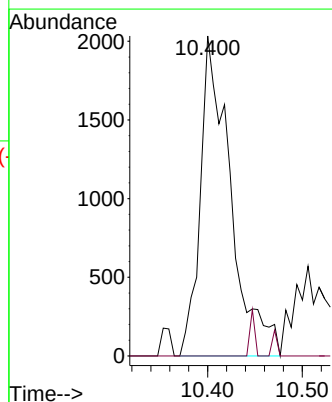
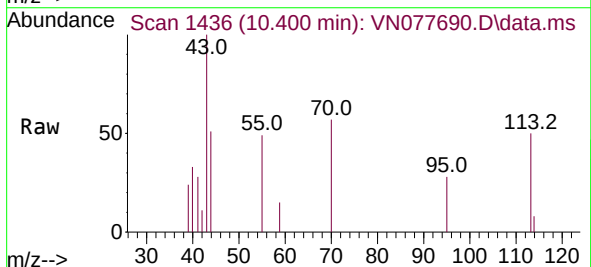
Instrument :
MSVOA_N
ClientSampleId :
TB-02-051523

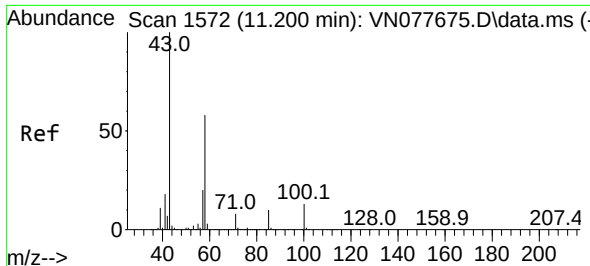
Tgt Ion: 98 Resp: 786685
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.868 ug/l
RT: 10.400 min Scan# 1436
Delta R.T. -0.047 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

Tgt Ion: 43 Resp: 4513
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

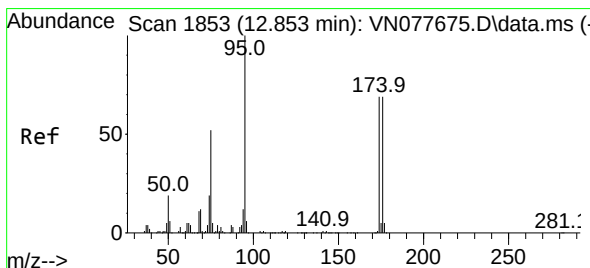
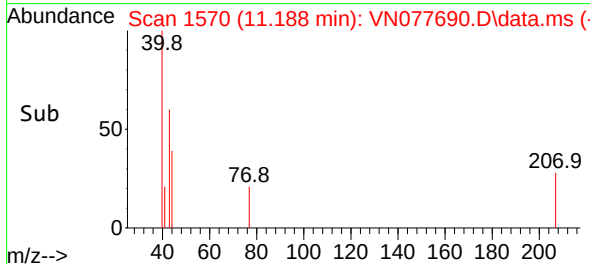
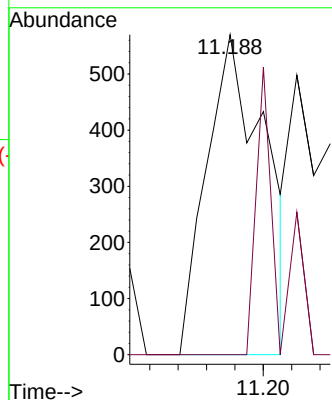
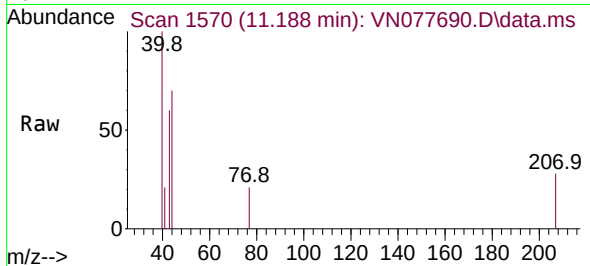




#59
2-Hexanone
Concen: 0.212 ug/l
RT: 11.188 min Scan# 111
Delta R.T. -0.012 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

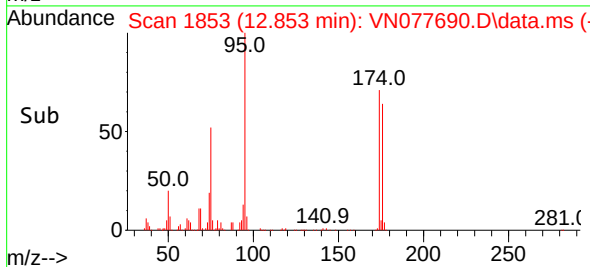
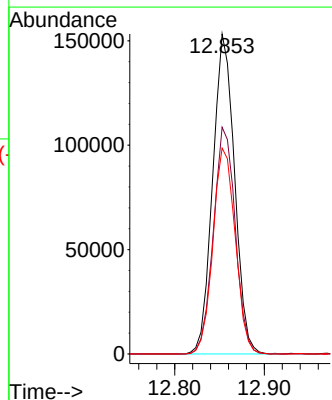
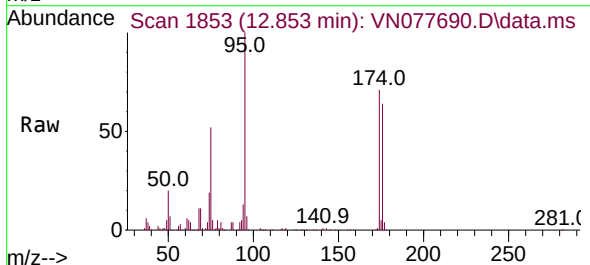
Instrument :
MSVOA_N
ClientSampleId :
TB-02-051523

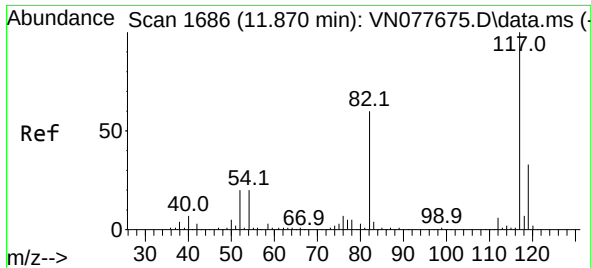
Tgt Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
58 33.1 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 46.315 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

Tgt Ion: 95 Resp: 258674
Ion Ratio Lower Upper
95 100
174 71.1 0.0 143.8
176 65.8 0.0 135.8

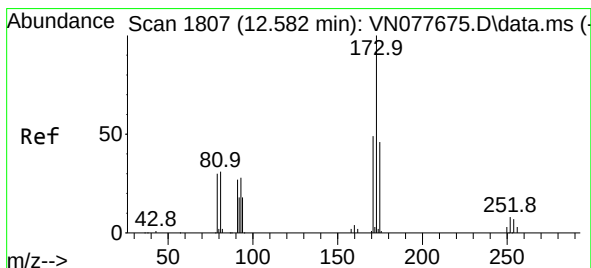
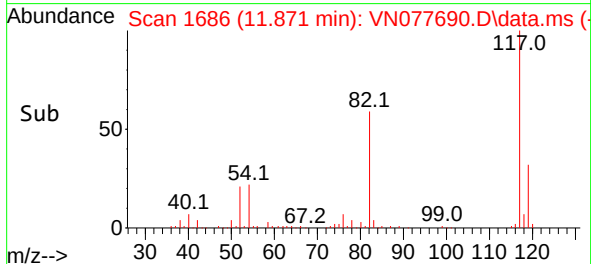
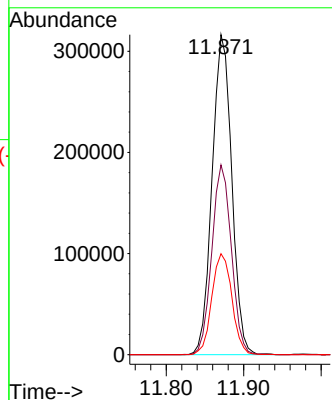
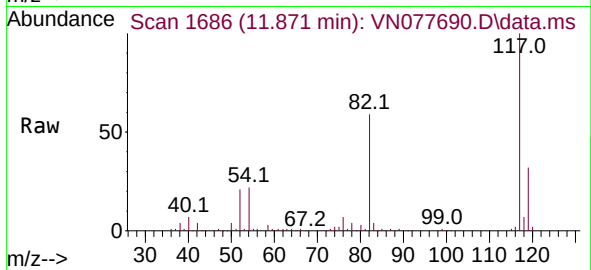




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.001 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

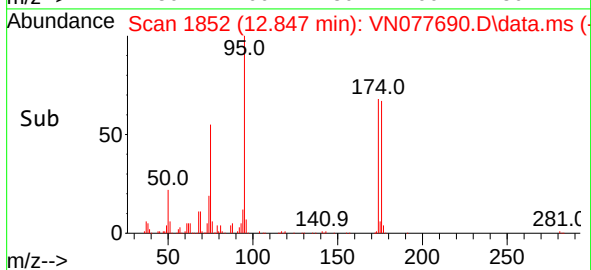
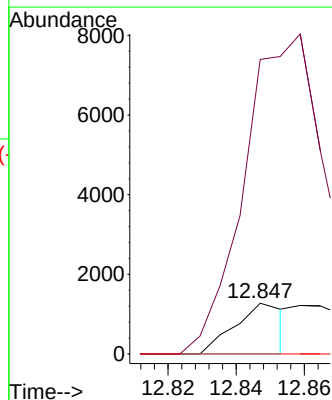
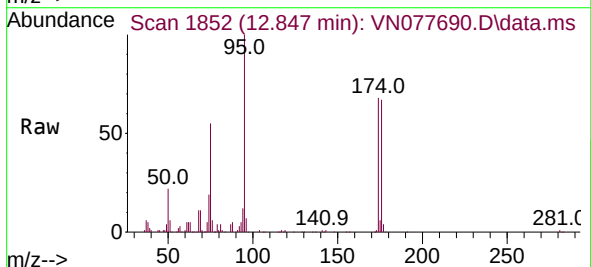
Instrument :
MSVOA_N
ClientSampleId :
TB-02-051523

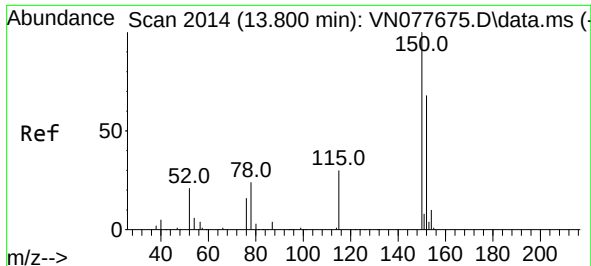
Tgt Ion:117 Resp: 557051
Ion Ratio Lower Upper
117 100
82 59.3 44.0 66.0
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.463 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

Tgt Ion:173 Resp: 1286
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

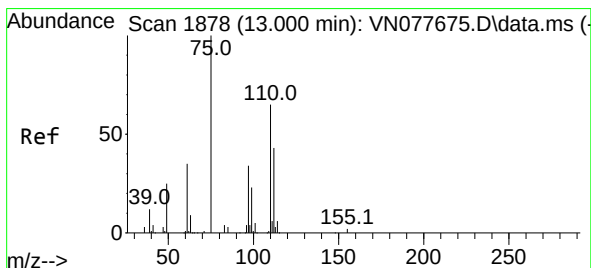
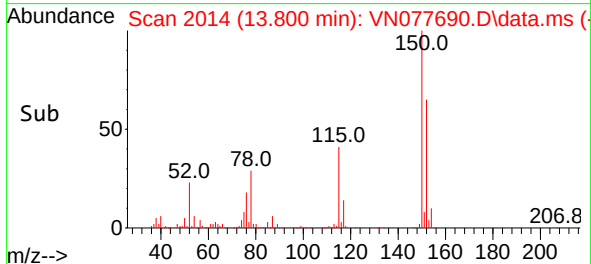
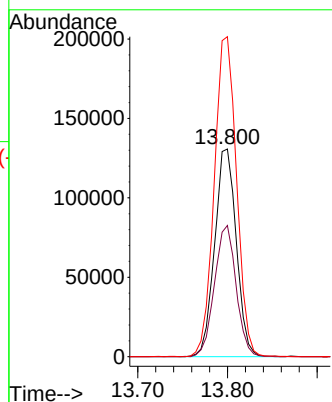
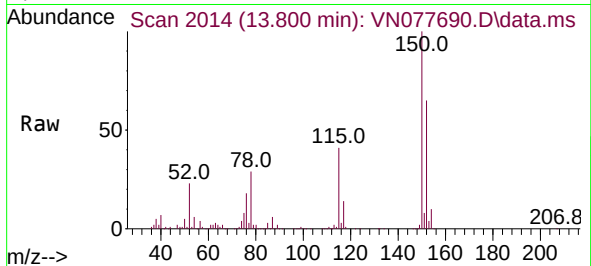




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN077690.D
 Acq: 16 May 2023 14:15

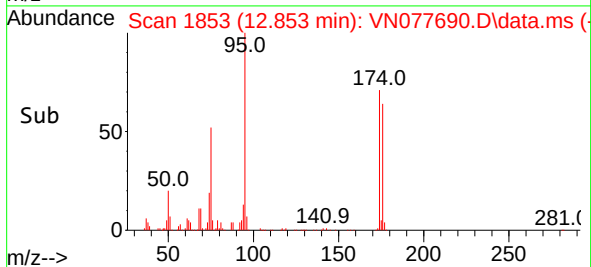
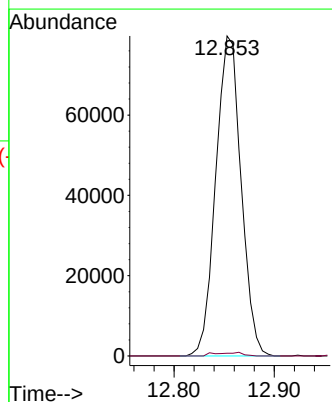
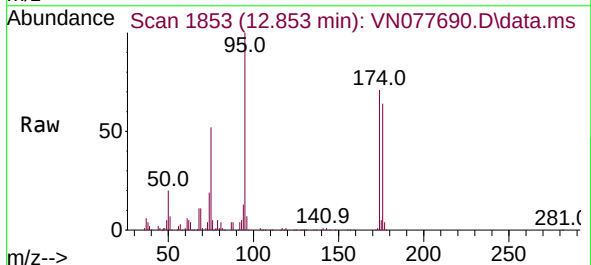
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-02-051523

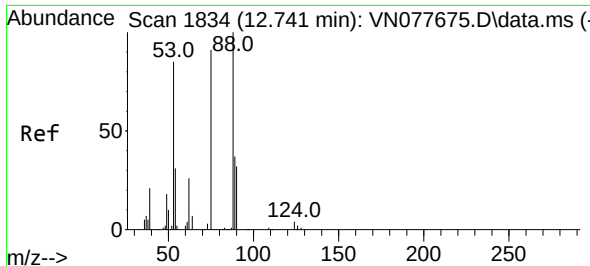
Tgt Ion:152 Resp: 219087
 Ion Ratio Lower Upper
 152 100
 115 63.1 32.3 96.8
 150 158.5 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.447 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN077690.D
 Acq: 16 May 2023 14:15

Tgt Ion: 75 Resp: 139621
 Ion Ratio Lower Upper
 75 100
 77 0.7 84.5 253.5#

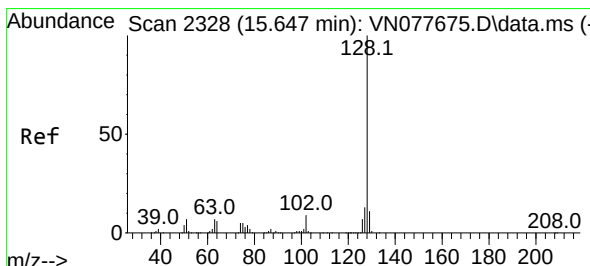
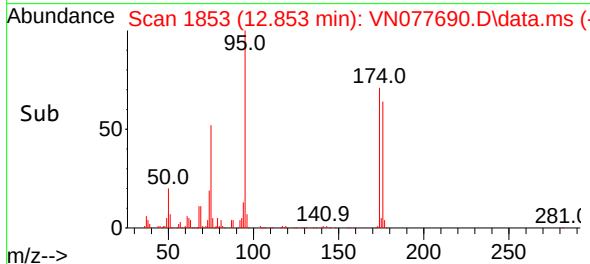
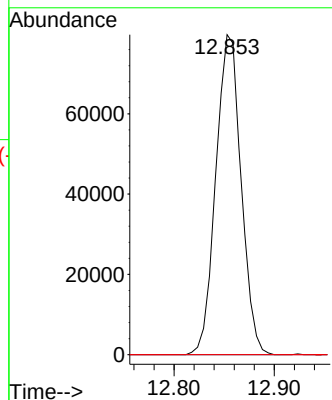
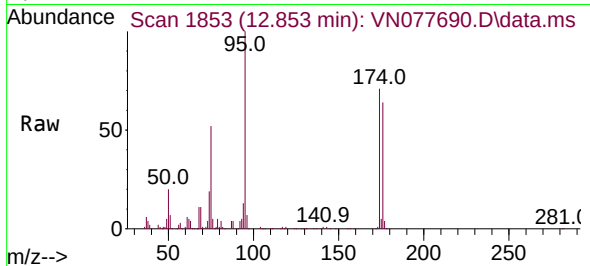




#81
trans-1,4-Dichloro-2-butene
Concen: 81.342 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

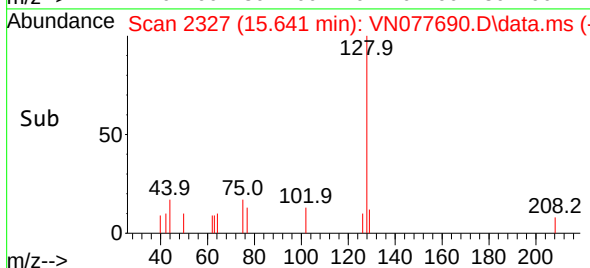
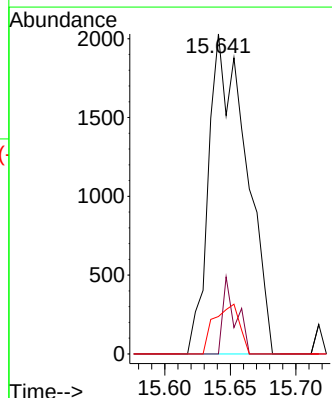
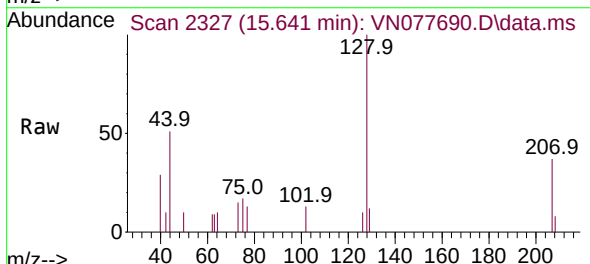
Instrument :
MSVOA_N
ClientSampleId :
TB-02-051523

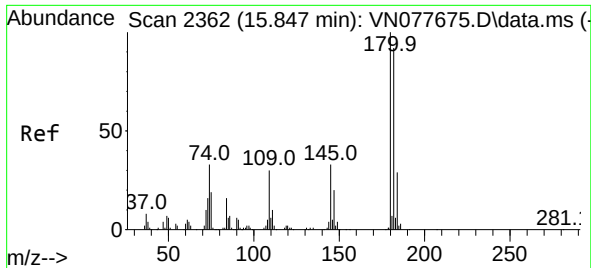
Tgt Ion: 75 Resp: 139621
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.268 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN077690.D
Acq: 16 May 2023 14:15

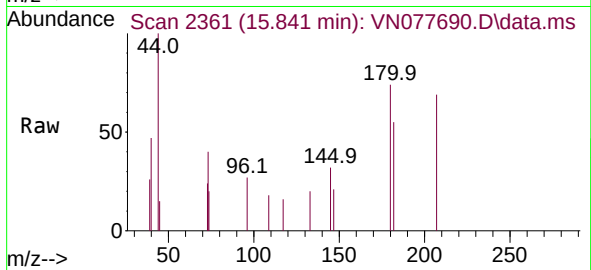
Tgt Ion:128 Resp: 4018
Ion Ratio Lower Upper
128 100
127 8.3 10.0 15.0#
129 10.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.230 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN077690.D
 Acq: 16 May 2023 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-02-051523



Tgt Ion:	180	Resp:	981
Ion	Ratio	Lower	Upper
180	100		
182	84.2	46.2	138.6
145	17.3	17.5	52.6#

