

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077807.D
 Acq On : 23 May 2023 11:21
 Operator : JC\MD
 Sample : VN0523WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBL01

Quant Time: May 24 02:53:05 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)

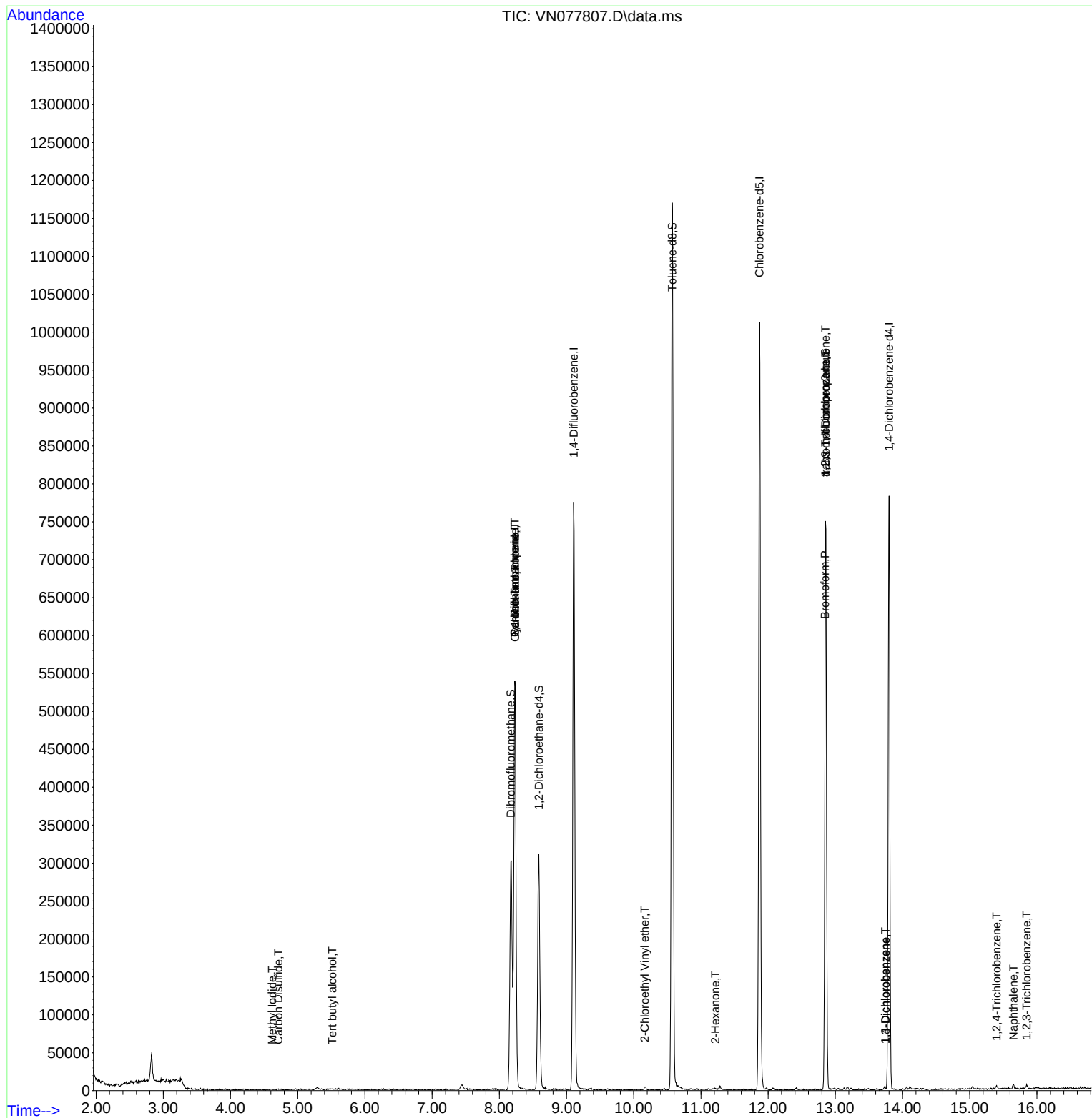
Internal Standards						
1) Pentafluorobenzene	8.230	168	388207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	693527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	614560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	212637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	256076	44.086	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.180%		
35) Dibromofluoromethane	8.171	113	223452	49.410	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.820%		
50) Toluene-d8	10.571	98	861058	49.466	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.940%		
62) 4-Bromofluorobenzene	12.853	95	272760	44.367	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.740%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1620	Below Cal		94
10) Methyl Iodide	4.618	142	1796	0.351 ug/l #		79
11) Tert butyl alcohol	5.512	59	399	0.498 ug/l #		72
13) Acrolein	4.201	56	670	Below Cal #		79
17) Carbon Disulfide	4.712	76	2348	0.213 ug/l #		75
20) Methylene Chloride	5.289	84	1613	Below Cal #		57
31) Cyclohexane	8.236	56	8903	1.128 ug/l #		15
36) 1,1-Dichloropropene	8.230	75	32800	4.959 ug/l #		49
38) Carbon Tetrachloride	8.230	117	41500	6.213 ug/l #		15
58) 2-Chloroethyl Vinyl ether	10.165	63	1921	0.535 ug/l		99
59) 2-Hexanone	11.212	43	1353	0.320 ug/l		90
71) Bromoform	12.847	173	1358	0.443 ug/l #		1
76) 1,2,3-Trichloropropane	12.853	75	141423	26.557 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	141423	84.891 ug/l #		15
87) 1,3-Dichlorobenzene	13.747	146	1777	0.230 ug/l		92
88) 1,4-Dichlorobenzene	13.747	146	1777	0.231 ug/l		94
93) 1,2,4-Trichlorobenzene	15.400	180	1576	0.373 ug/l #		87
95) Naphthalene	15.653	128	5561	0.383 ug/l #		94
96) 1,2,3-Trichlorobenzene	15.847	180	1514	0.366 ug/l		91

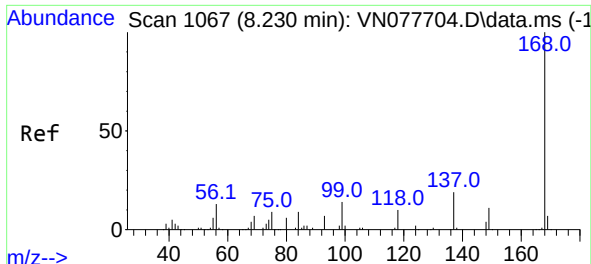
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 24 02:53:05 2023
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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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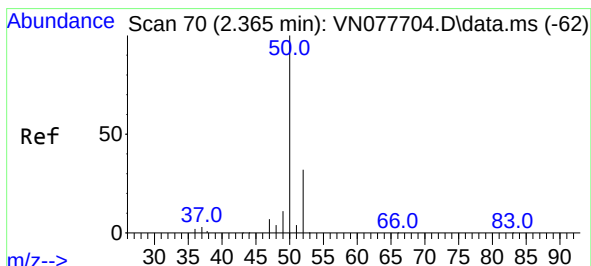
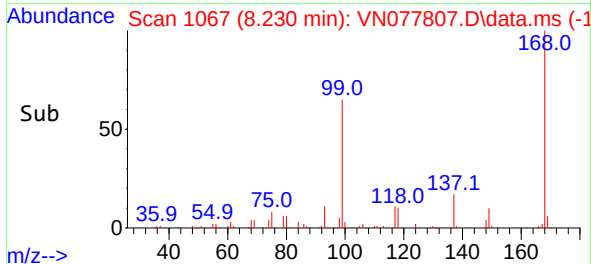
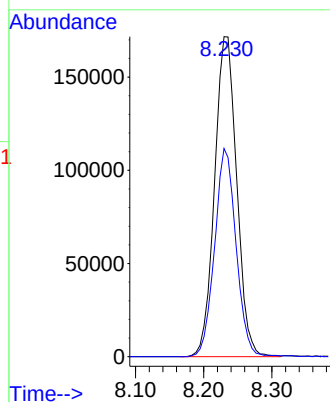
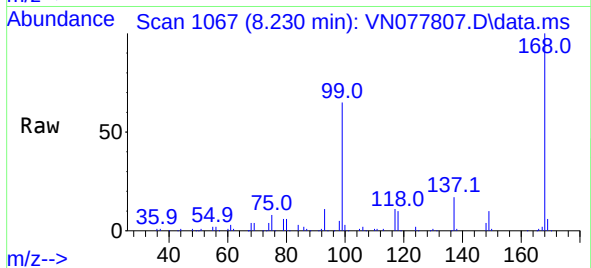




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

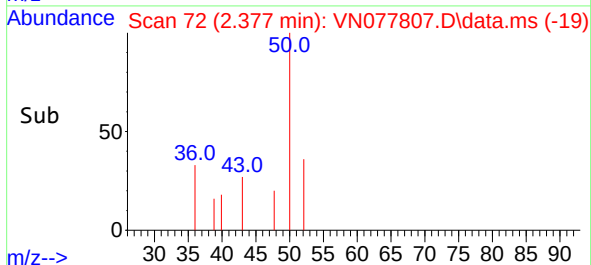
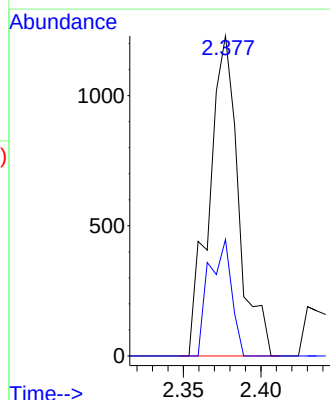
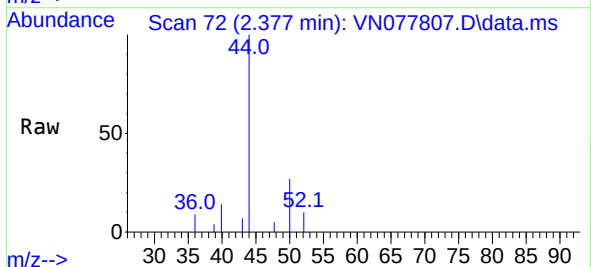
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

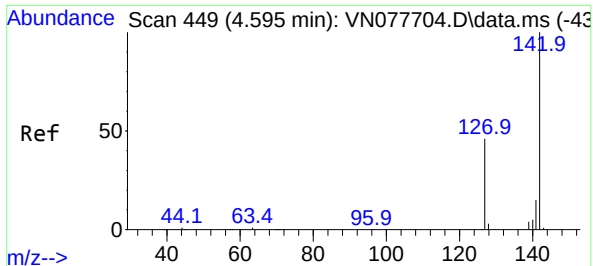
Tgt Ion:168 Resp: 388207
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Tgt Ion: 50 Resp: 1620
Ion Ratio Lower Upper
50 100
52 36.4 26.5 39.7

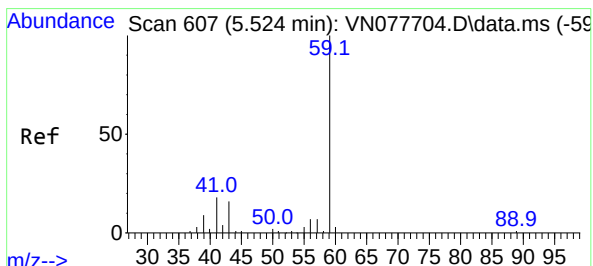
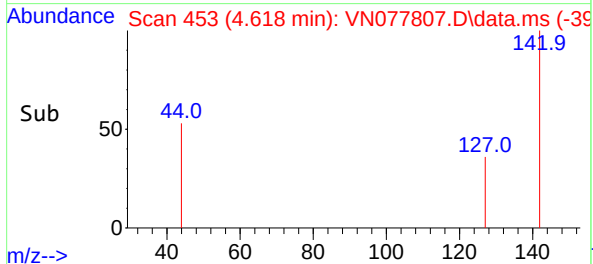
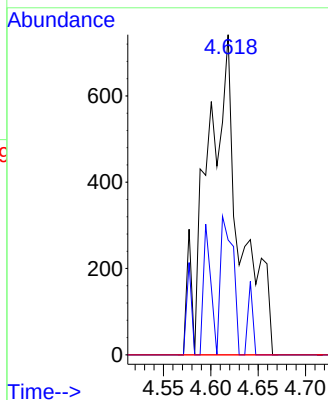
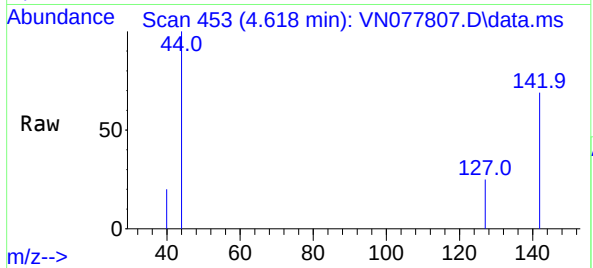




#10
Methyl Iodide
Concen: 0.351 ug/l
RT: 4.618 min Scan# 411
Delta R.T. 0.024 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

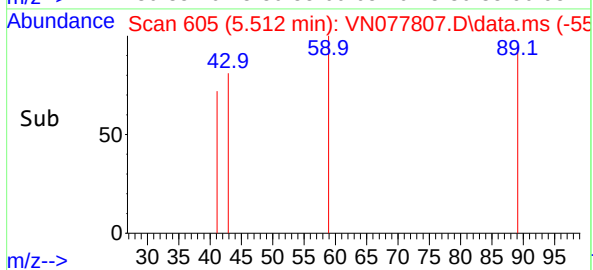
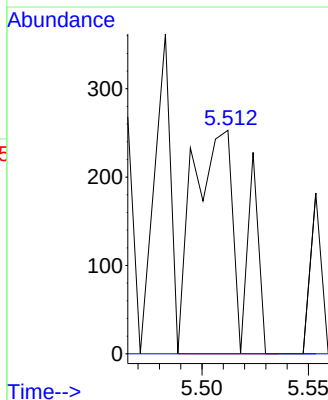
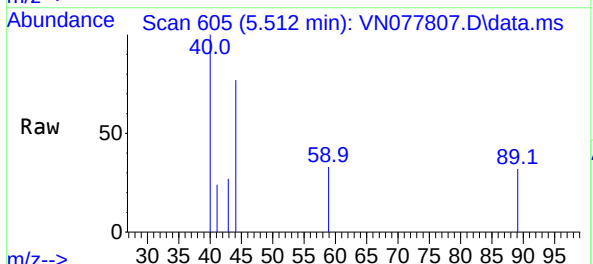
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

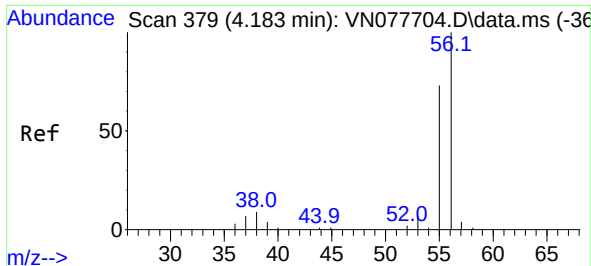
Tgt Ion:142 Resp: 1796
Ion Ratio Lower Upper
142 100
127 35.8 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.498 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.018 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

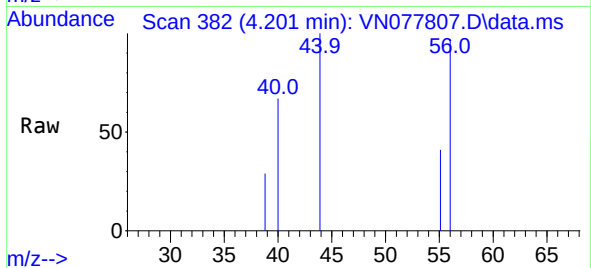
Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



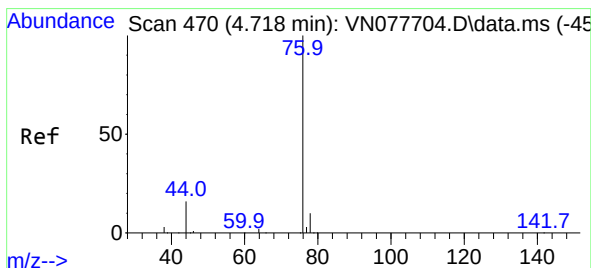
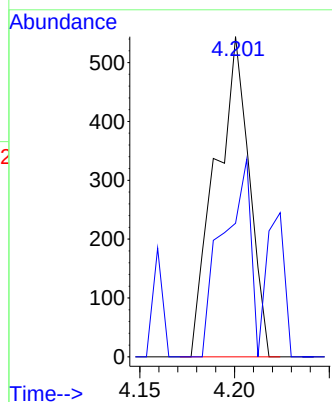
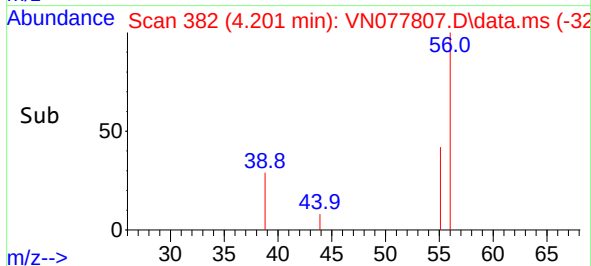


#13
Acrolein
Concen: Below Cal
RT: 4.201 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

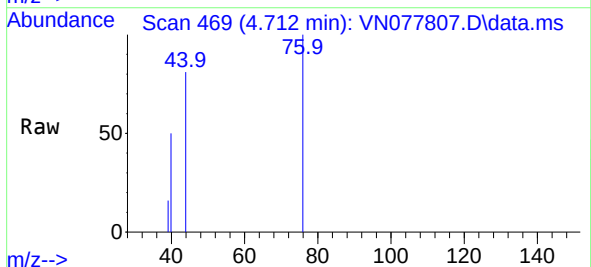
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01



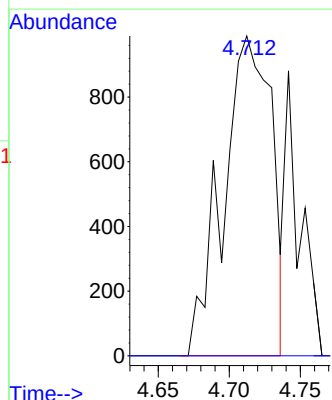
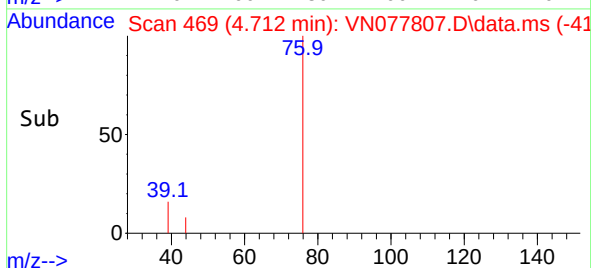
Tgt Ion: 56 Resp: 670
Ion Ratio Lower Upper
56 100
55 51.2 54.5 81.7#

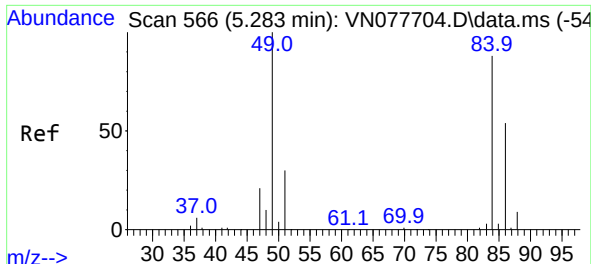


#17
Carbon Disulfide
Concen: 0.213 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21



Tgt Ion: 76 Resp: 2348
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



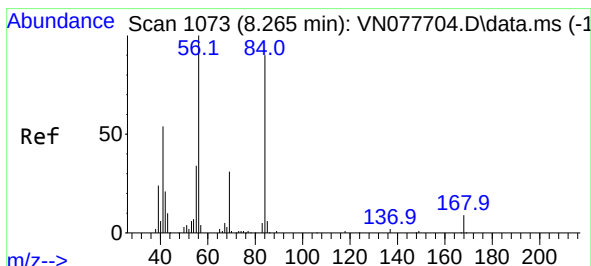
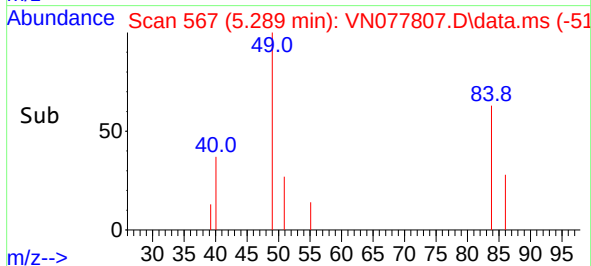
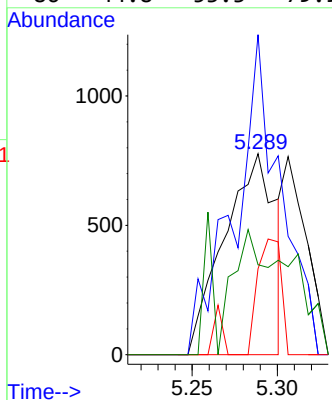
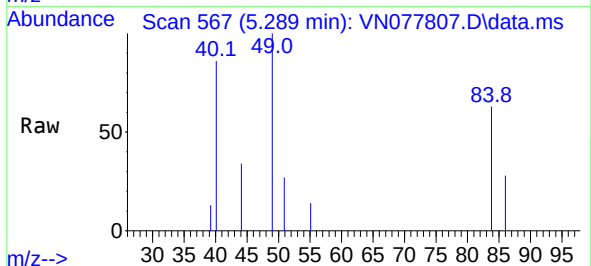


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

Tgt Ion: 84 Resp: 1613

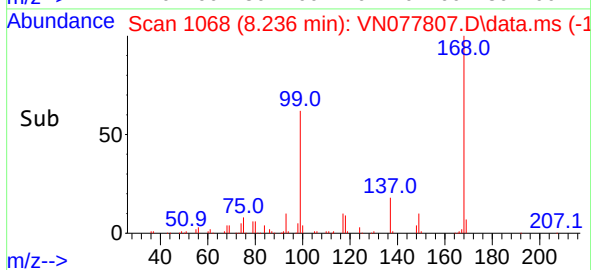
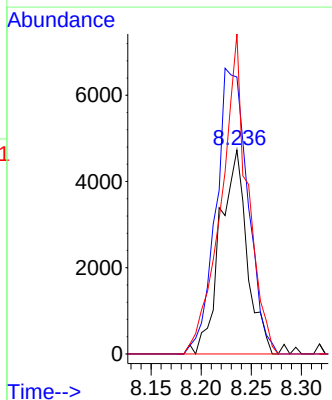
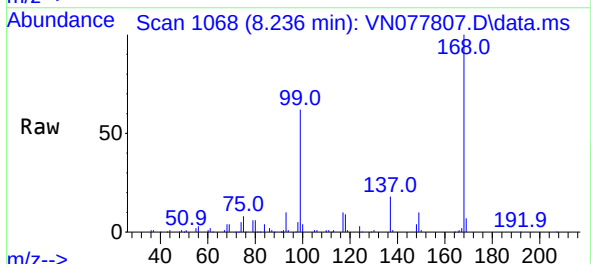
Ion	Ratio	Lower	Upper
84	100		
49	159.2	79.7	119.5#
51	42.7	25.2	37.8#
86	44.8	53.3	79.9#

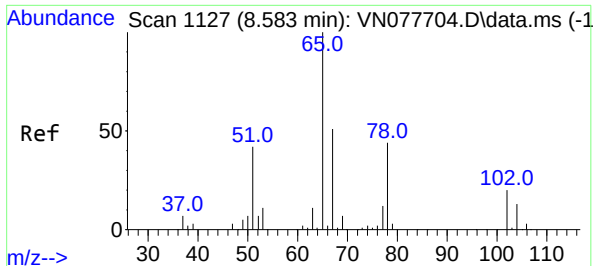


#31
Cyclohexane
Concen: 1.128 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Tgt Ion: 56 Resp: 8903

Ion	Ratio	Lower	Upper
56	100		
69	135.7	26.8	40.2#
84	156.8	81.8	122.6#

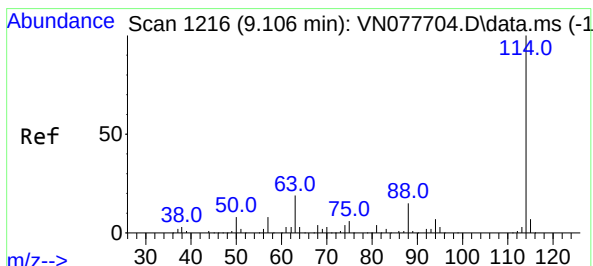
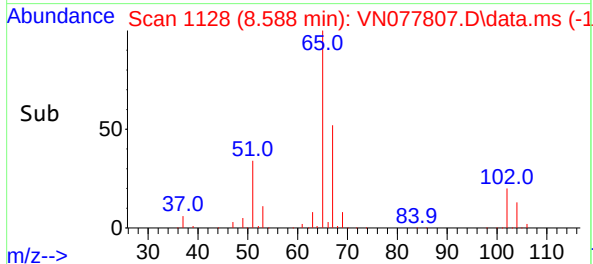
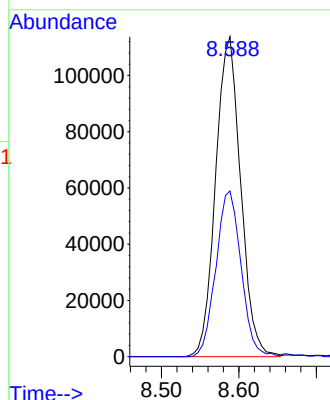
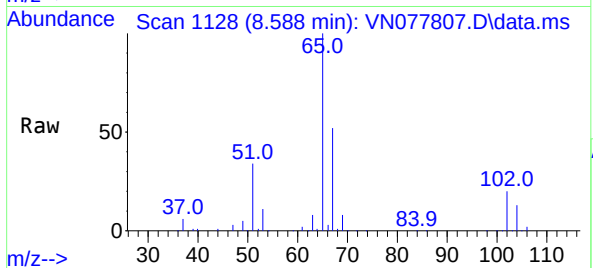




#33
1,2-Dichloroethane-d4
Concen: 44.086 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

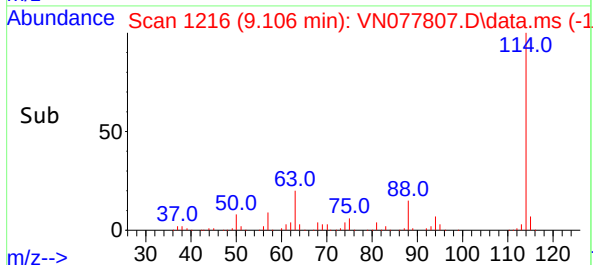
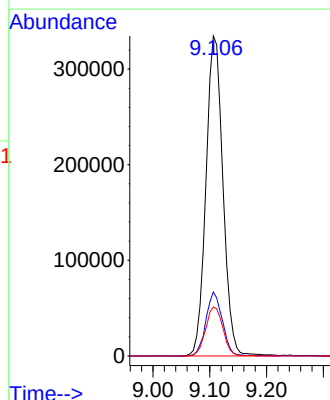
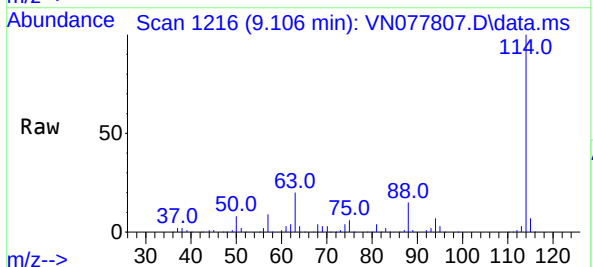
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

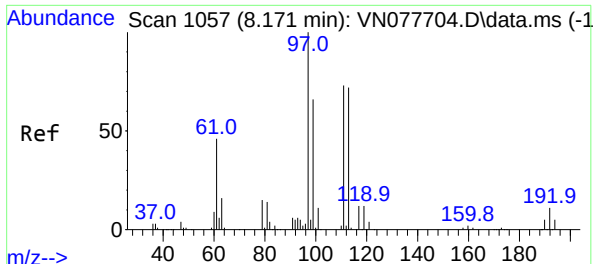
Tgt Ion: 65 Resp: 256076
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Tgt Ion: 114 Resp: 693527
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.4
88 15.3 0.0 30.6

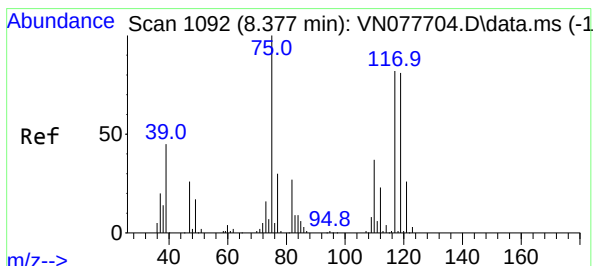
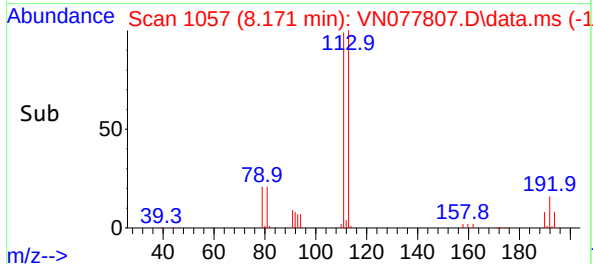
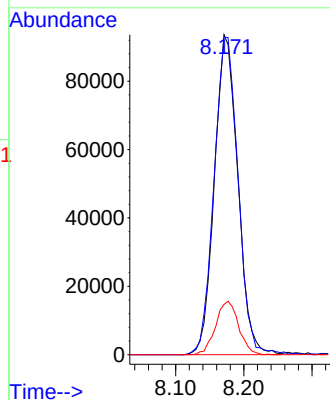
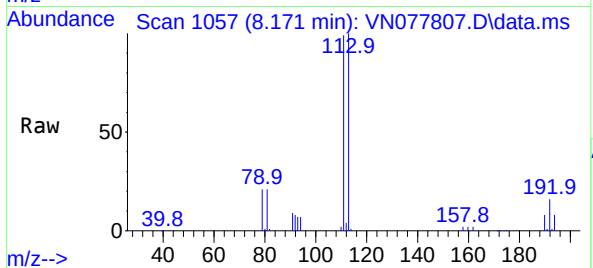




#35
Dibromofluoromethane
Concen: 49.410 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

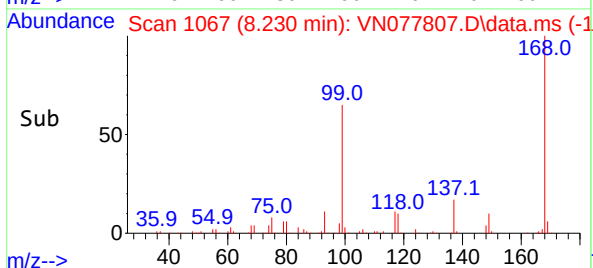
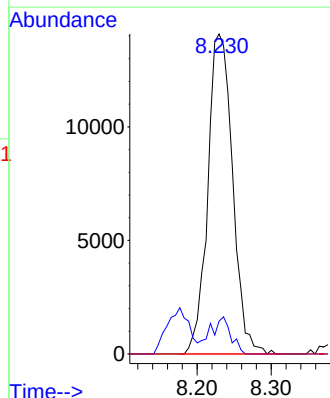
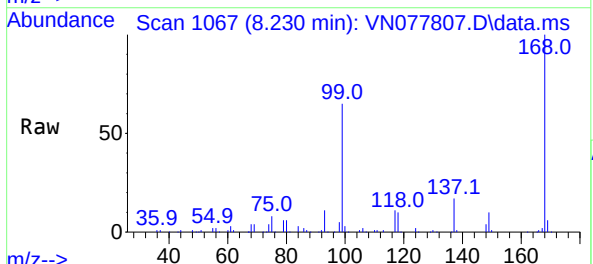
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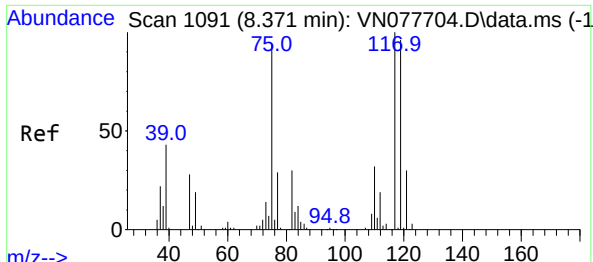
Tgt Ion:113 Resp: 223452
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 16.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.959 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

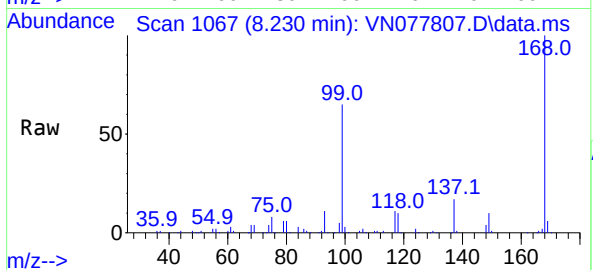
Tgt Ion: 75 Resp: 32800
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#



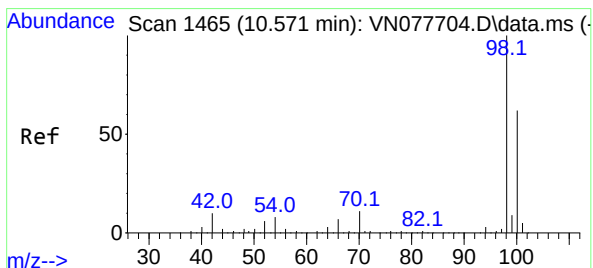
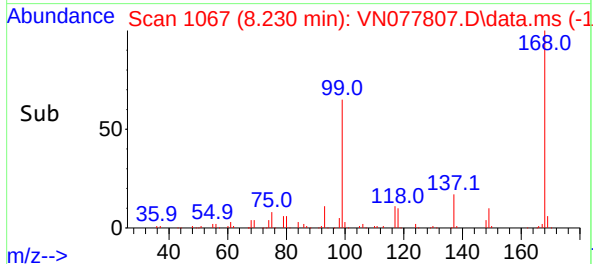
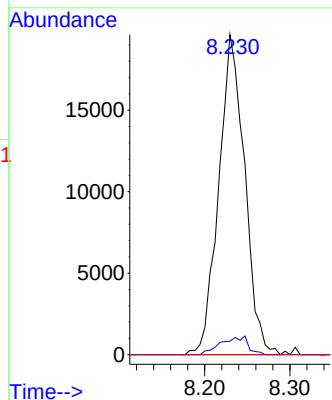


#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

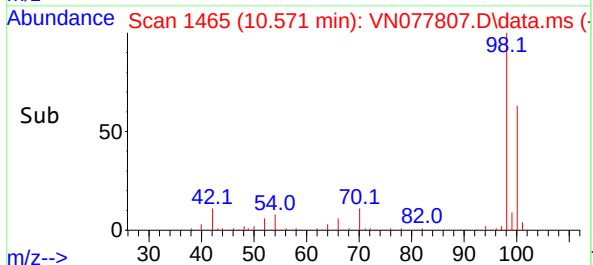
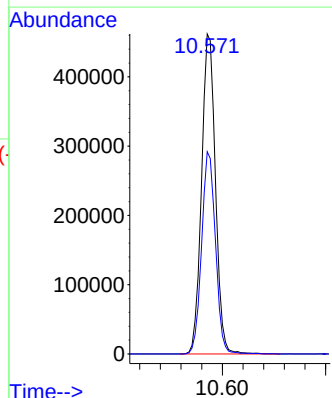
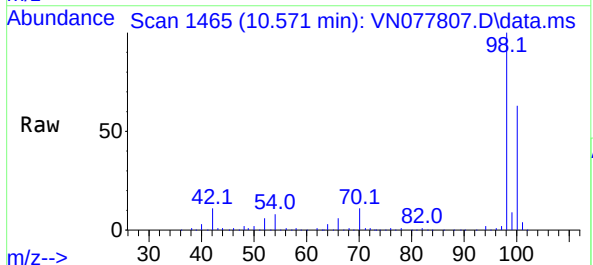


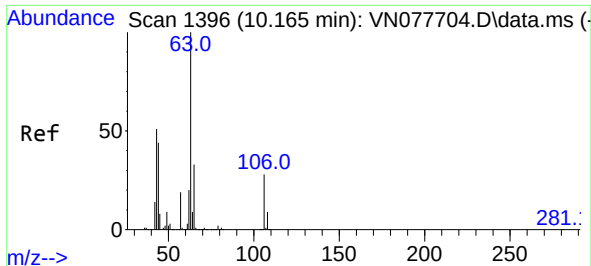
Tgt Ion:117 Resp: 41500
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 49.466 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Tgt Ion: 98 Resp: 861058
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

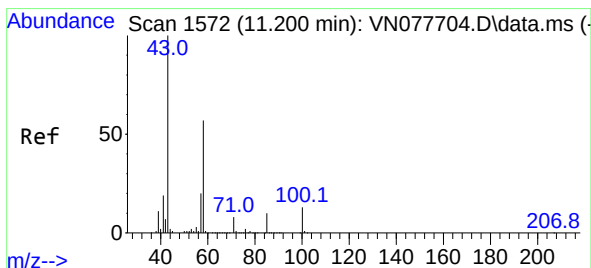
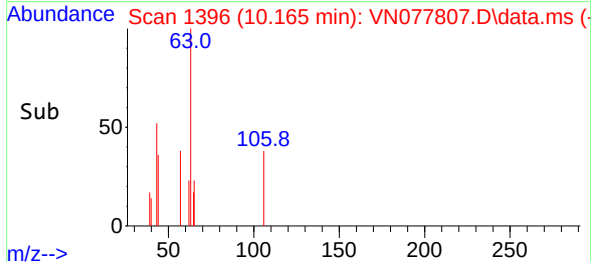
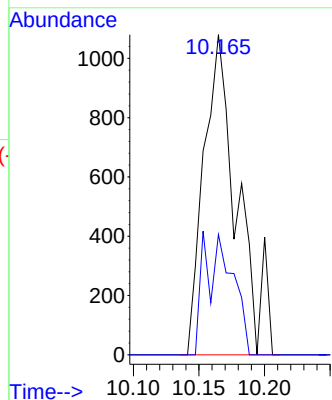
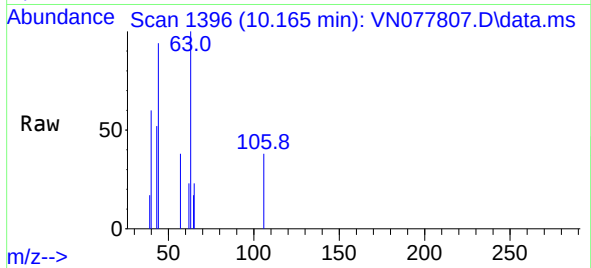




#58
2-Chloroethyl Vinyl ether
Concen: 0.535 ug/l
RT: 10.165 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

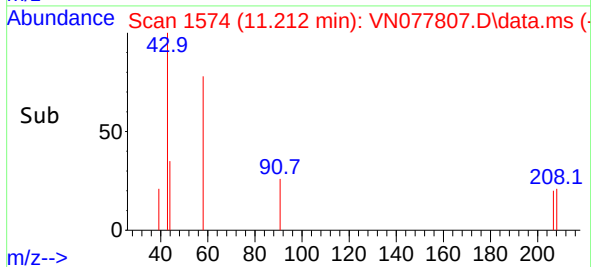
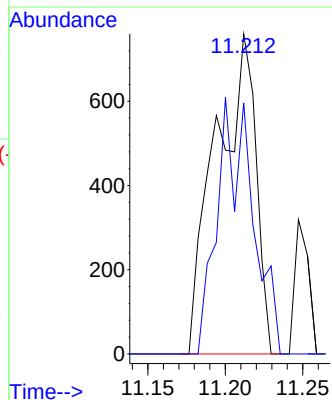
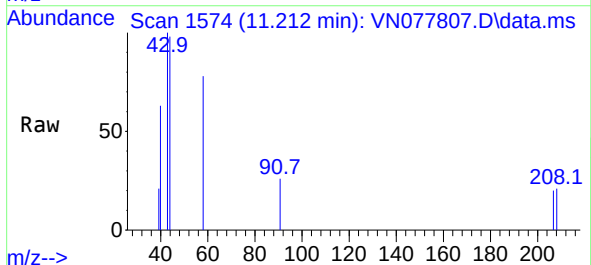
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

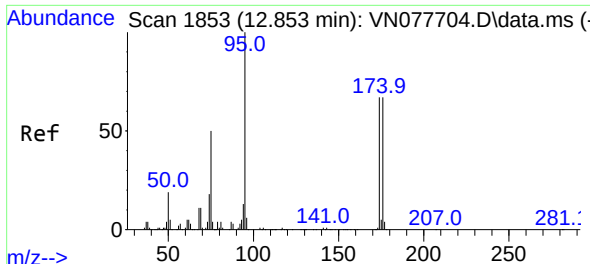
Tgt Ion: 63 Resp: 1921
Ion Ratio Lower Upper
63 100
106 32.0 26.2 39.4



#59
2-Hexanone
Concen: 0.320 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
58 70.8 31.7 95.1

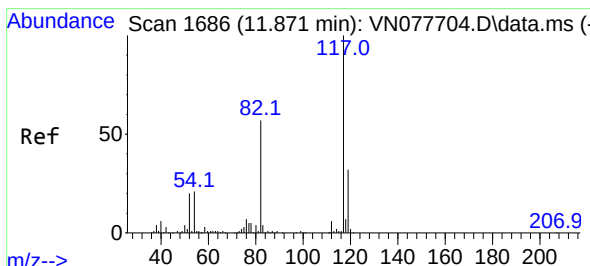
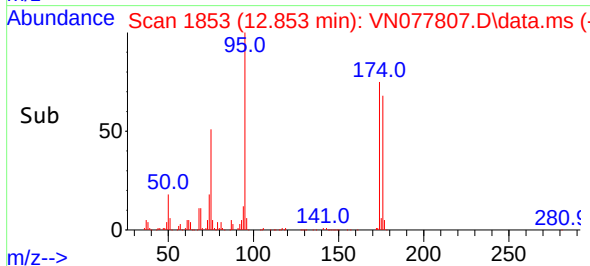
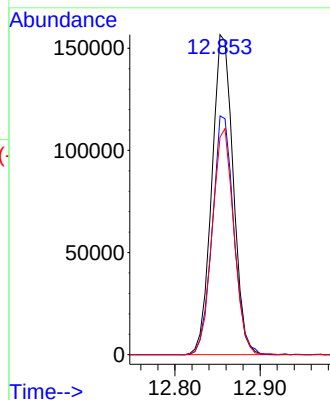
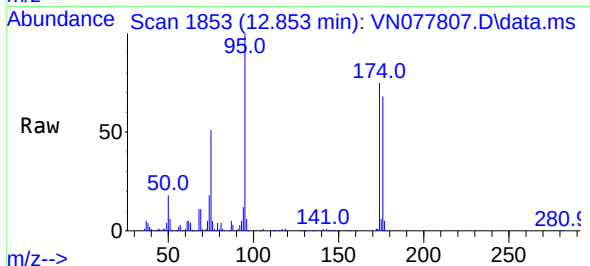




#62
4-Bromofluorobenzene
Concen: 44.367 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

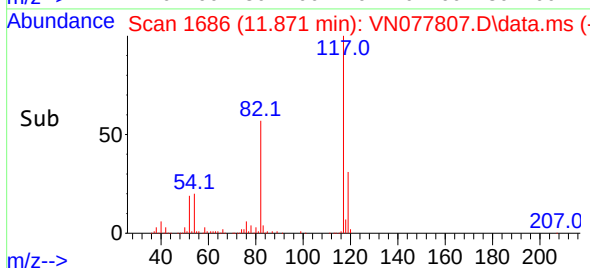
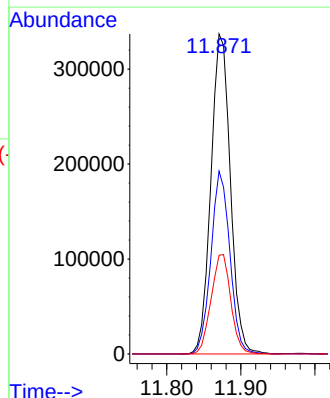
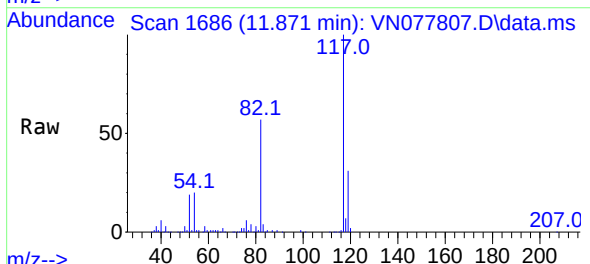
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

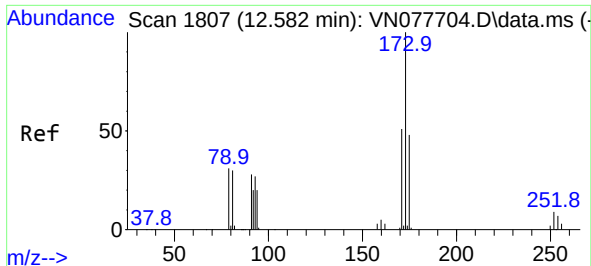
Tgt Ion: 95 Resp: 272760
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 71.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Tgt Ion: 117 Resp: 614560
Ion Ratio Lower Upper
117 100
82 57.1 44.0 66.0
119 30.8 25.6 38.4

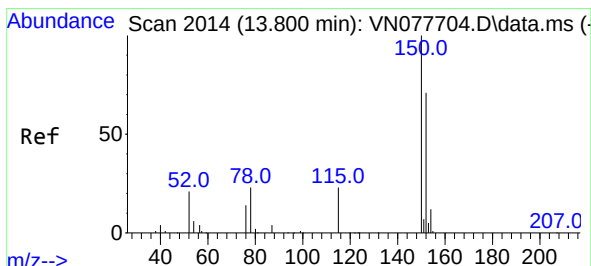
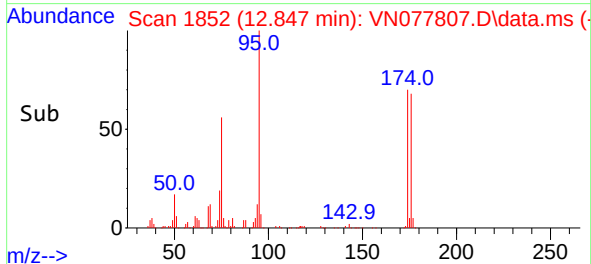
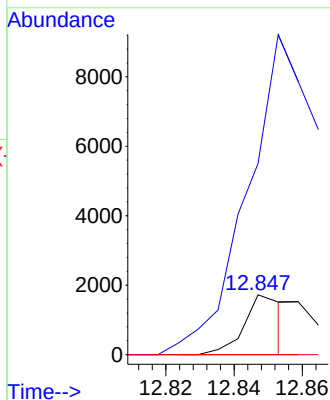
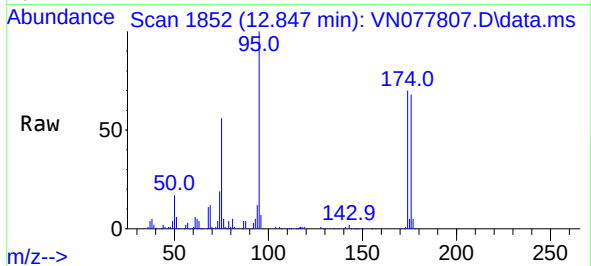




#71
Bromoform
Concen: 0.443 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

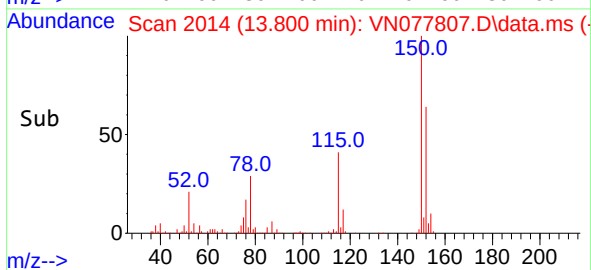
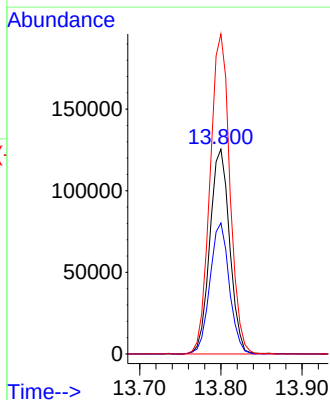
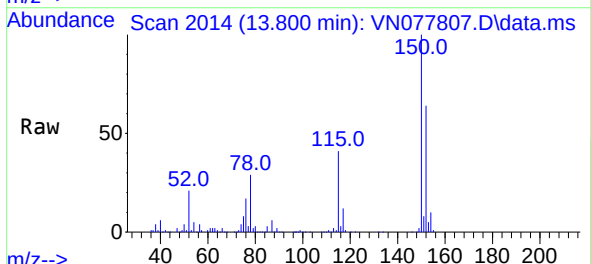
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

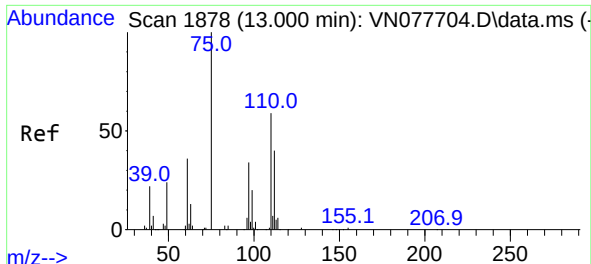
Tgt Ion:173 Resp: 1358
Ion Ratio Lower Upper
173 100
175 753.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Tgt Ion:152 Resp: 212637
Ion Ratio Lower Upper
152 100
115 62.6 32.3 96.8
150 156.3 0.0 355.8

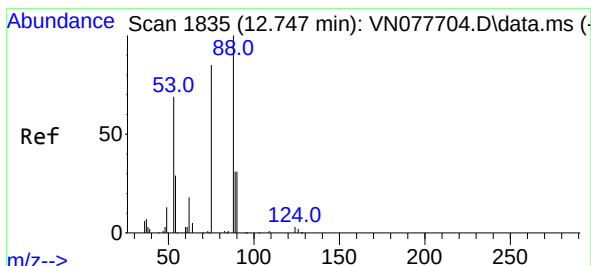
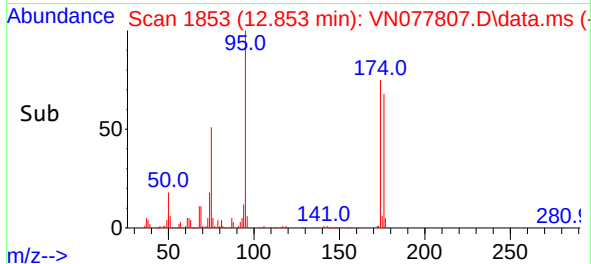
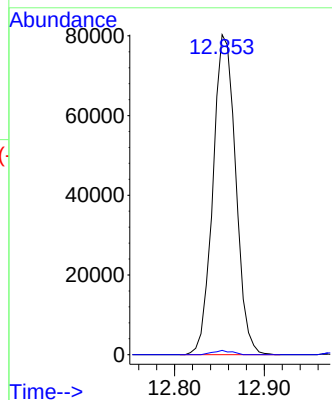
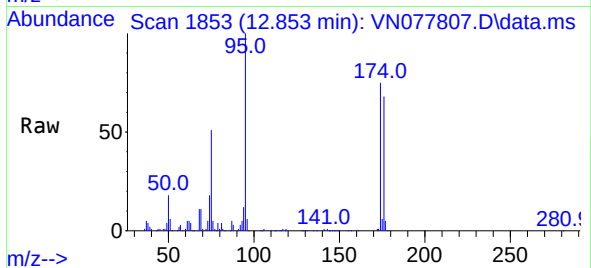




#76
1,2,3-Trichloropropane
Concen: 26.557 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

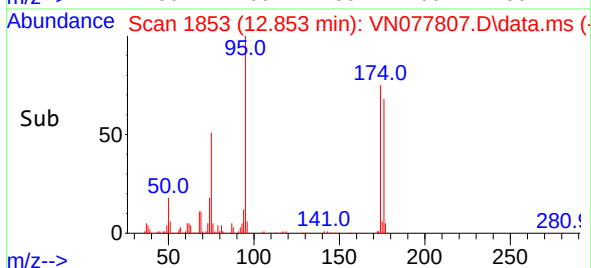
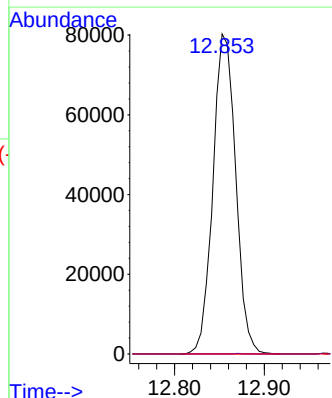
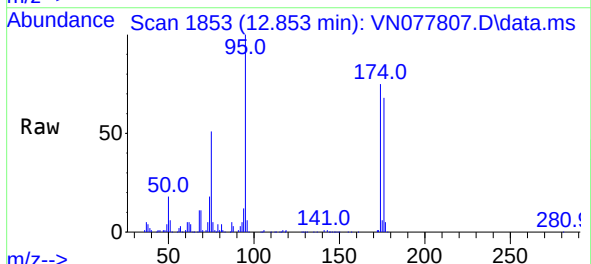
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

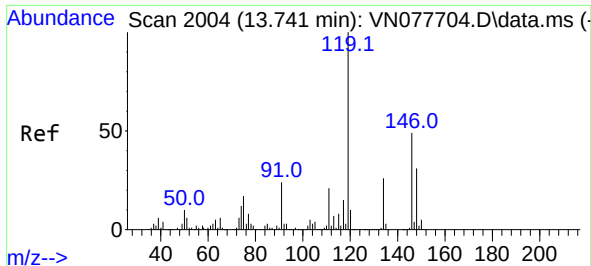
Tgt Ion: 75 Resp: 141423
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.891 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

Tgt Ion: 75 Resp: 141423
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#87

1,3-Dichlorobenzene

Concen: 0.230 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. 0.006 min

Lab File: VN077807.D

Acq: 23 May 2023 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBL01

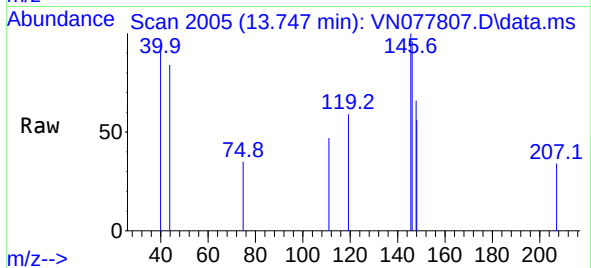
Tgt Ion:146 Resp: 1777

Ion Ratio Lower Upper

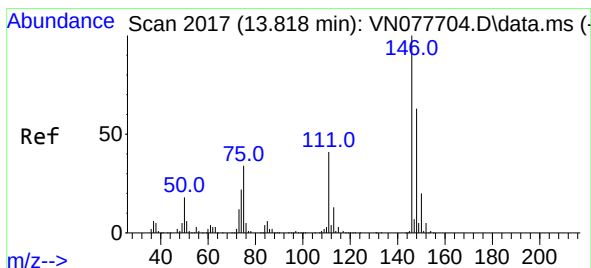
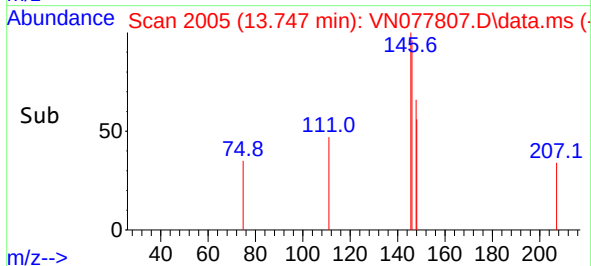
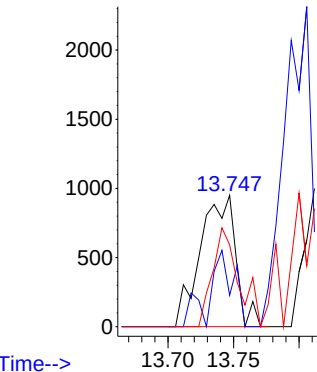
146 100

111 40.9 22.1 66.3

148 55.8 32.0 96.0



Abundance



#88

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. -0.070 min

Lab File: VN077807.D

Acq: 23 May 2023 11:21

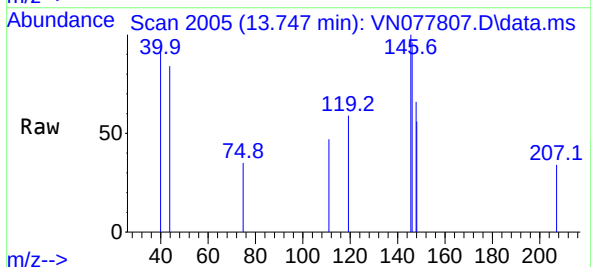
Tgt Ion:146 Resp: 1777

Ion Ratio Lower Upper

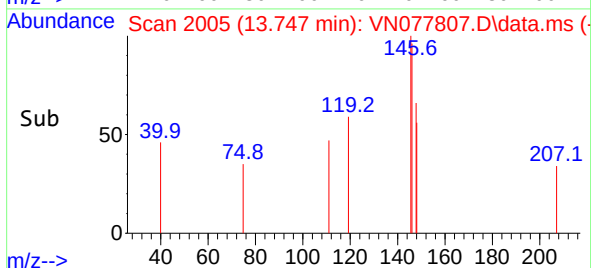
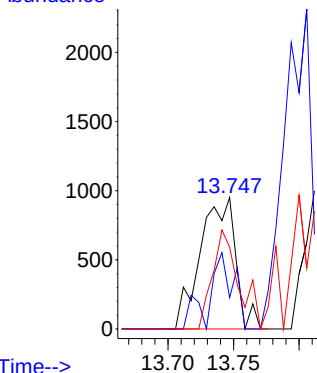
146 100

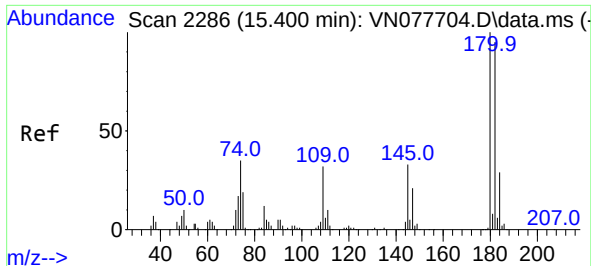
111 40.9 20.6 61.8

148 55.8 31.6 94.8



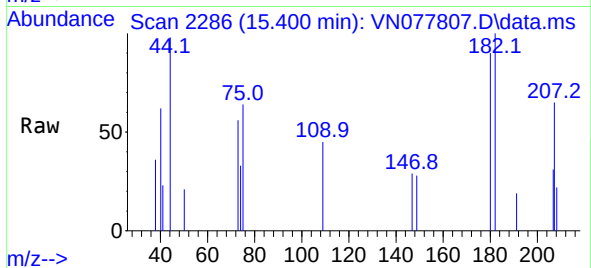
Abundance



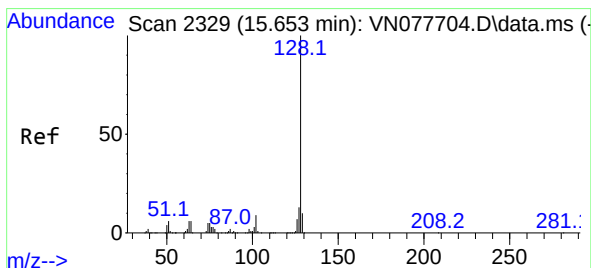
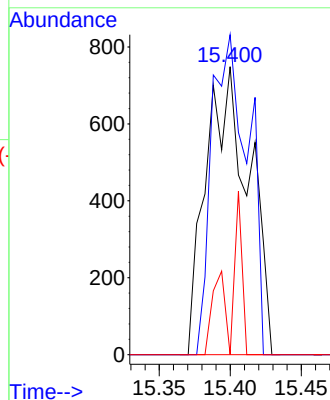
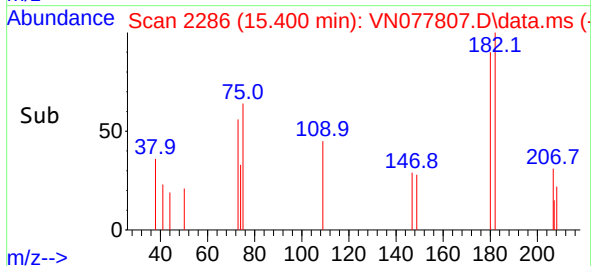


#93
1,2,4-Trichlorobenzene
Concen: 0.373 ug/l
RT: 15.400 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21

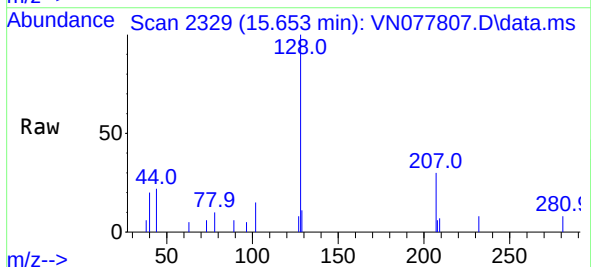
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01



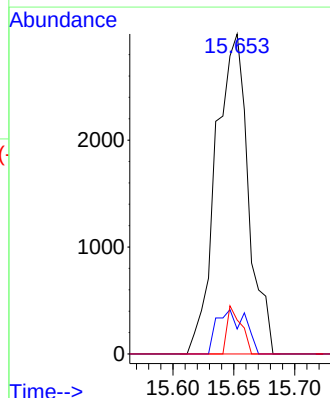
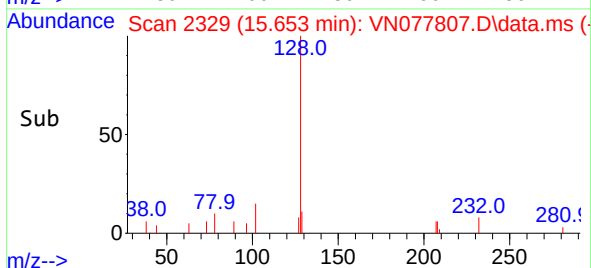
Tgt Ion:180 Resp: 1576
Ion Ratio Lower Upper
180 100
182 94.1 46.1 138.2
145 8.6 16.6 49.8#

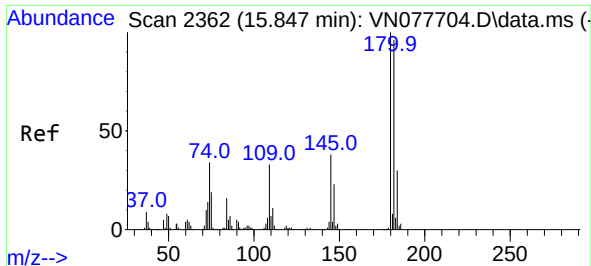


#95
Naphthalene
Concen: 0.383 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN077807.D
Acq: 23 May 2023 11:21



Tgt Ion:128 Resp: 5561
Ion Ratio Lower Upper
128 100
127 12.0 10.0 15.0
129 6.4 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.366 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077807.D
 Acq: 23 May 2023 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBL01

Tgt Ion:	180	Resp:	1514
Ion	Ratio	Lower	Upper
180	100		
182	90.3	46.2	138.6
145	18.6	17.5	52.6

