

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076122.D
 Acq On : 06 Jan 2023 10:25
 Operator : JC\MD
 Sample : VN0106MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0106MBL01

Quant Time: Jan 06 22:53:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

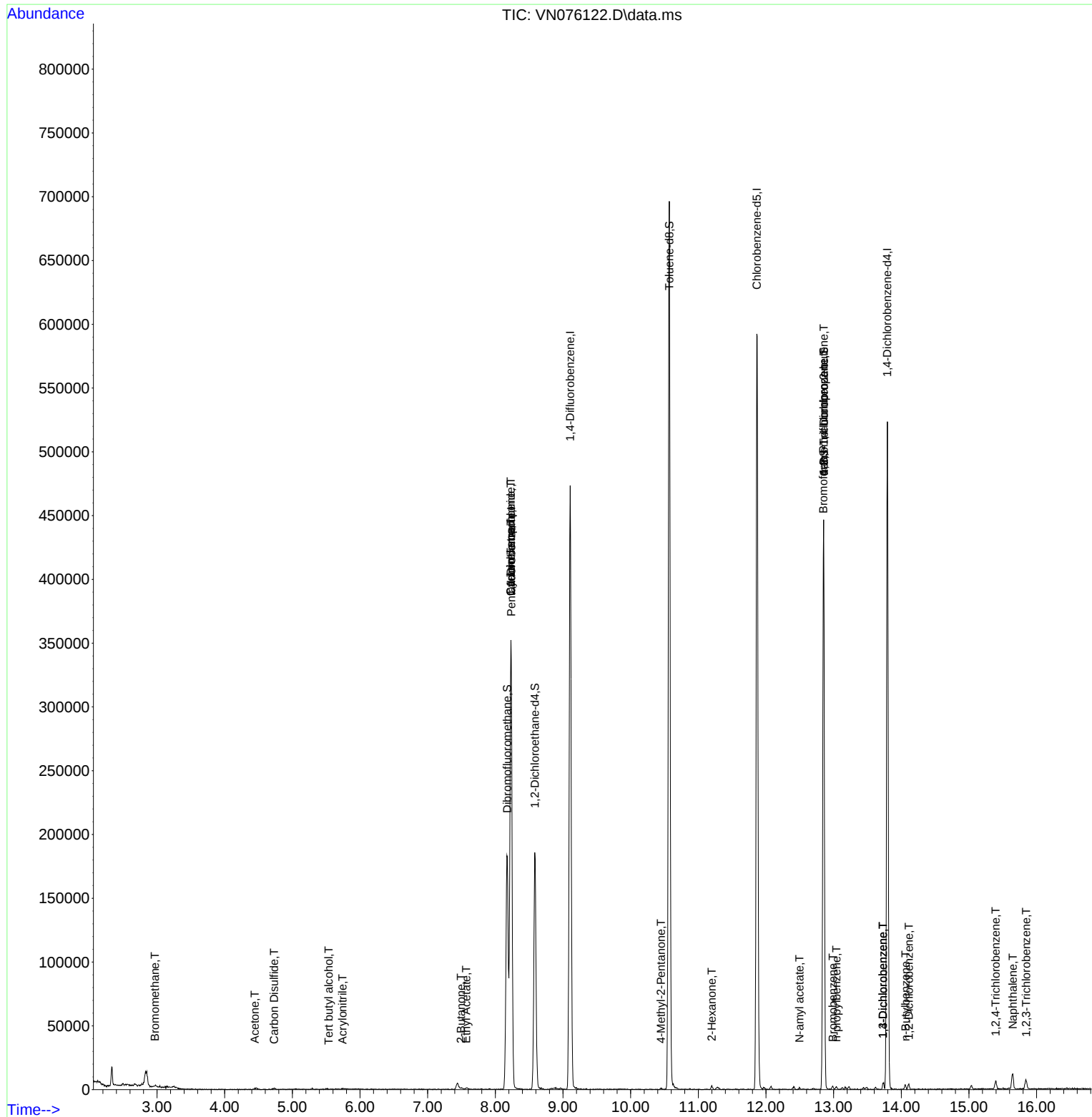
Internal Standards						
1) Pentafluorobenzene	8.235	168	274316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	432302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	366831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	147798	49.525	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.060%		
35) Dibromofluoromethane	8.177	113	133604	49.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.800%		
50) Toluene-d8	10.571	98	493333	49.286	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.580%		
62) 4-Bromofluorobenzene	12.853	95	146240	44.110	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.220%		
Target Compounds					Qvalue	
5) Bromomethane	2.971	94	704	0.287	ug/l #	52
11) Tert butyl alcohol	5.536	59	162	0.384	ug/l #	72
15) Acrylonitrile	5.742	53	297	0.258	ug/l #	70
16) Acetone	4.447	43	821	0.798	ug/l #	82
17) Carbon Disulfide	4.730	76	1765	0.300	ug/l #	76
20) Methylene Chloride	5.294	84	245	Below Cal	#	60
25) 2-Butanone	7.494	43	1343	0.932	ug/l	100
31) Cyclohexane	8.230	56	5548	1.298	ug/l #	9
36) 1,1-Dichloropropene	8.230	75	19797	5.567	ug/l #	49
37) Ethyl Acetate	7.571	43	1625	0.569	ug/l #	77
38) Carbon Tetrachloride	8.230	117	27267	6.850	ug/l #	17
51) 4-Methyl-2-Pentanone	10.447	43	823	0.289	ug/l #	74
59) 2-Hexanone	11.200	43	1752	0.843	ug/l	99
71) Bromoform	12.847	173	1339	0.660	ug/l #	1
74) N-amyl acetate	12.494	43	810	0.259	ug/l #	62
76) 1,2,3-Trichloropropane	12.853	75	74838	25.179	ug/l #	1
77) Bromobenzene	12.988	156	692	0.257	ug/l	91
78) n-propylbenzene	13.041	91	2382	0.203	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.853	75	74838	90.630	ug/l #	12
87) 1,3-Dichlorobenzene	13.729	146	1976	0.397	ug/l	84
88) 1,4-Dichlorobenzene	13.729	146	1976	0.388	ug/l	85
89) n-Butylbenzene	14.065	91	2745	0.375	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	2298	0.468	ug/l	86
93) 1,2,4-Trichlorobenzene	15.394	180	2862	1.178	ug/l	93
95) Naphthalene	15.647	128	13069	3.735	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	3733	1.644	ug/l	90

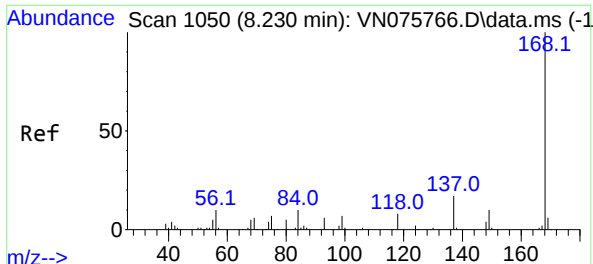
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN076122.D

Acq: 06 Jan 2023 10:25

Instrument :

MSVOA_N

ClientSampleId :

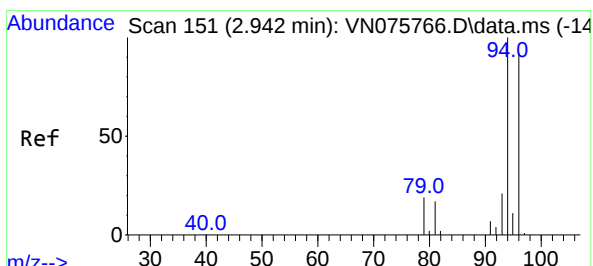
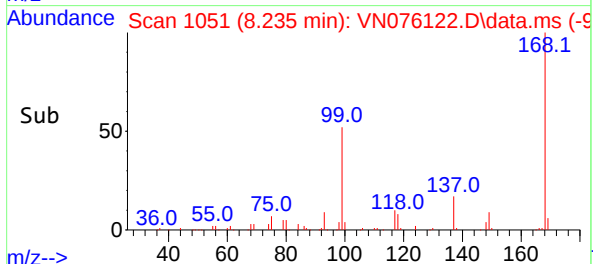
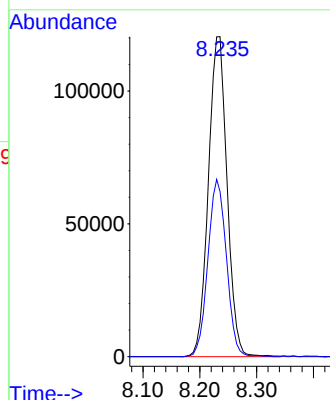
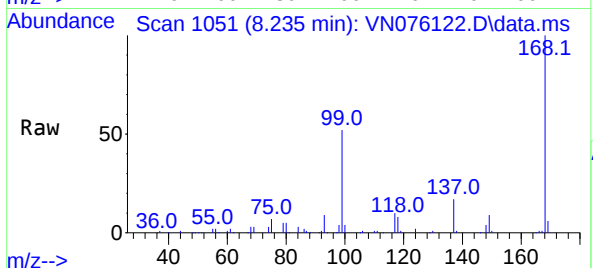
VN0106MBL01

Tgt Ion:168 Resp: 274316

Ion Ratio Lower Upper

168 100

99 51.6 44.2 66.4



#5

Bromomethane

Concen: 0.287 ug/l

RT: 2.971 min Scan# 156

Delta R.T. 0.029 min

Lab File: VN076122.D

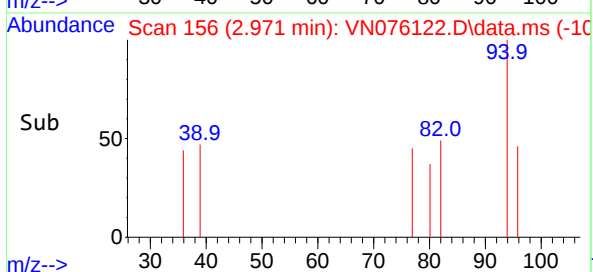
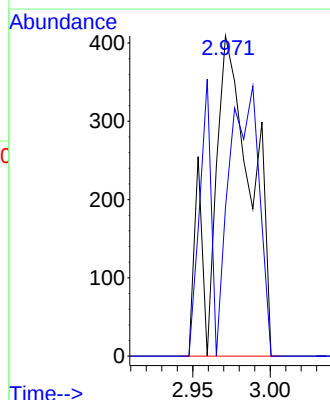
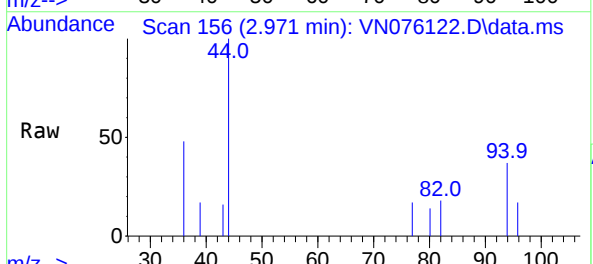
Acq: 06 Jan 2023 10:25

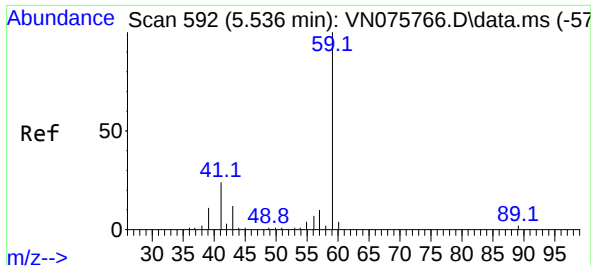
Tgt Ion: 94 Resp: 704

Ion Ratio Lower Upper

94 100

96 46.5 73.8 110.6#

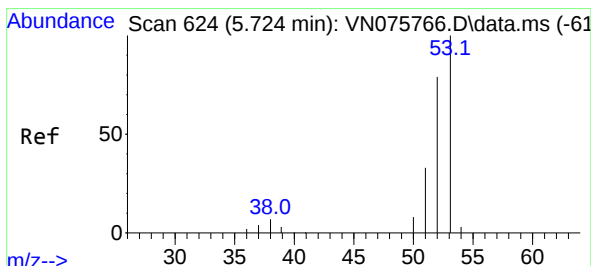
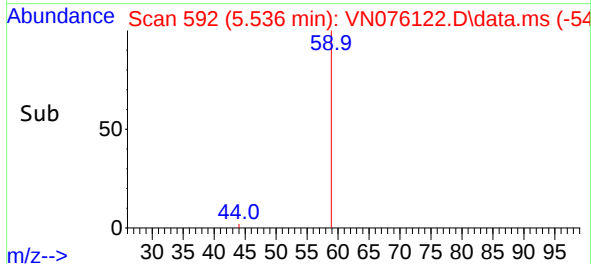
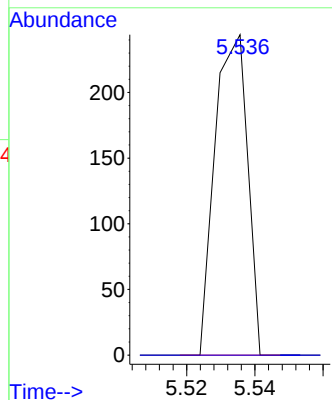
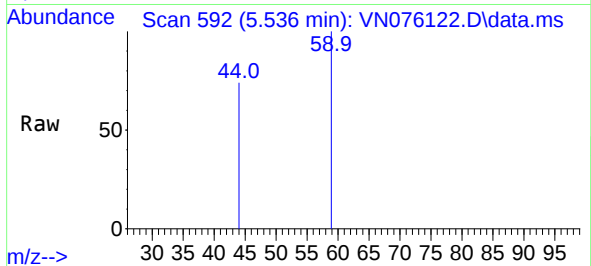




#11
Tert butyl alcohol
Concen: 0.384 ug/l
RT: 5.536 min Scan# 591
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

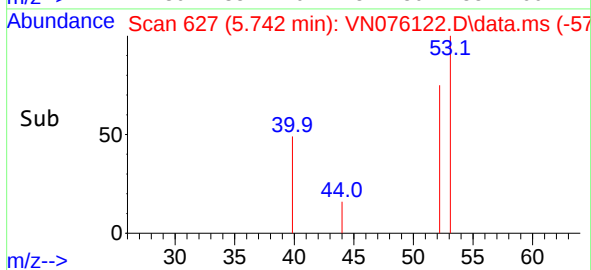
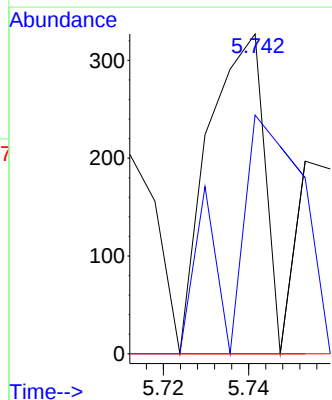
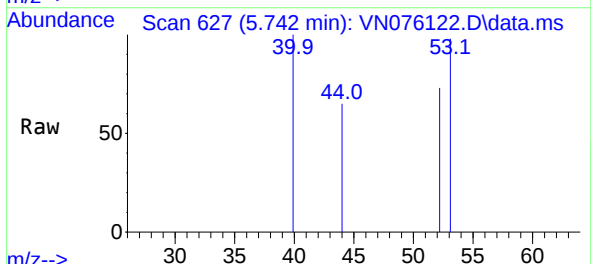
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

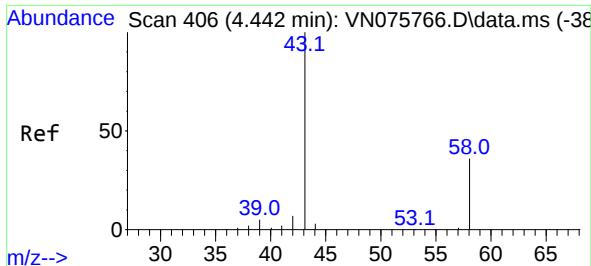
Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#15
Acrylonitrile
Concen: 0.258 ug/l
RT: 5.742 min Scan# 627
Delta R.T. 0.018 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 53 Resp: 297
Ion Ratio Lower Upper
53 100
52 96.0 65.4 98.0
51 0.0 28.9 43.3#

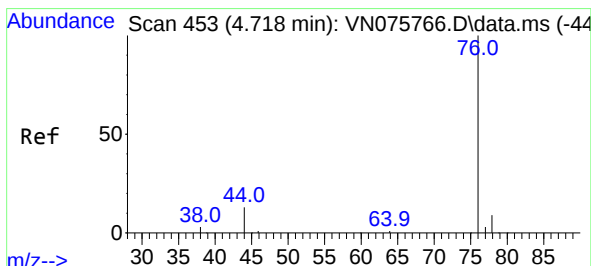
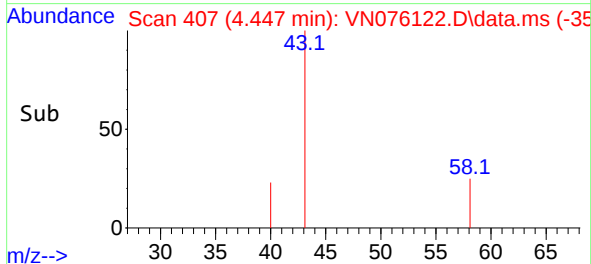
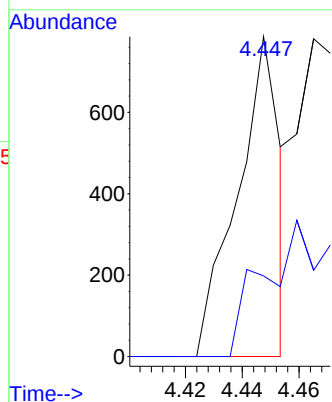
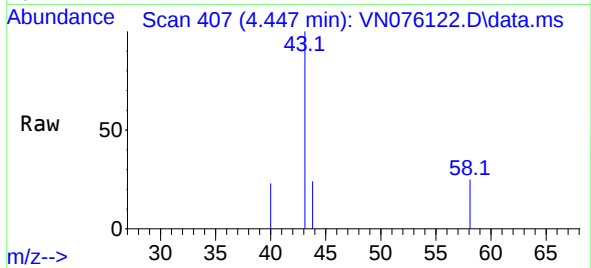




#16
Acetone
Concen: 0.798 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

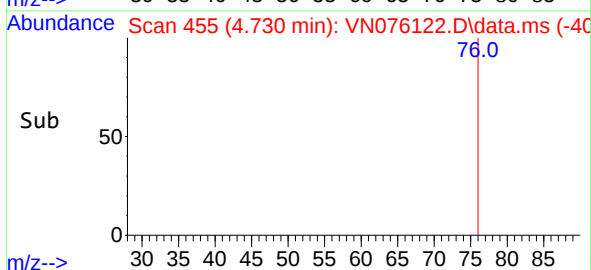
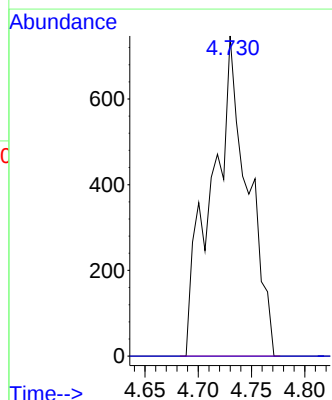
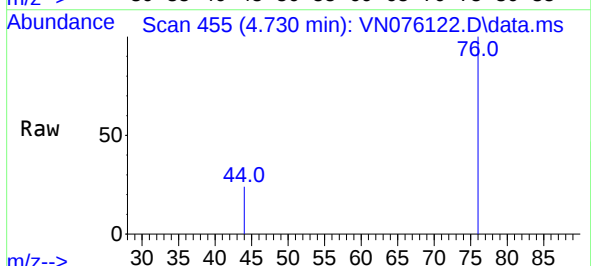
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

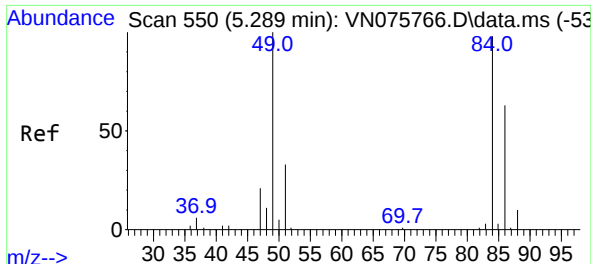
Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
58 25.2 28.6 43.0#



#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 4.730 min Scan# 455
Delta R.T. 0.012 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 76 Resp: 1765
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

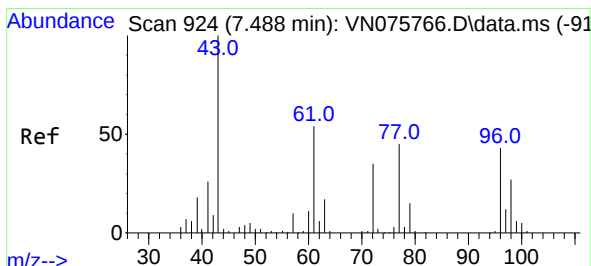
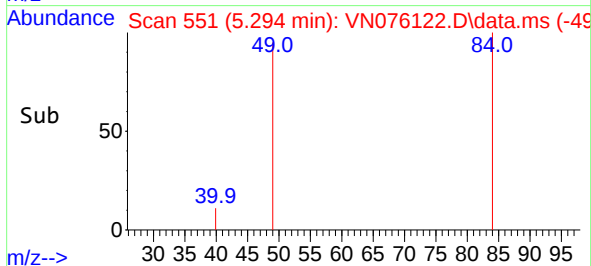
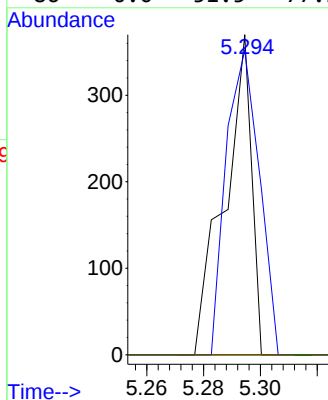
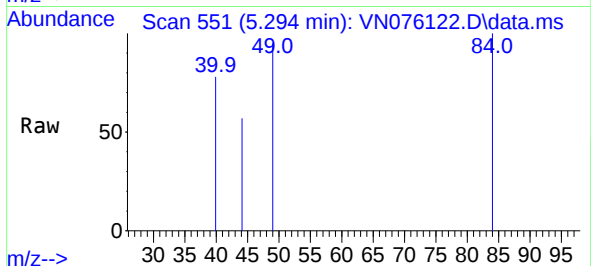




#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

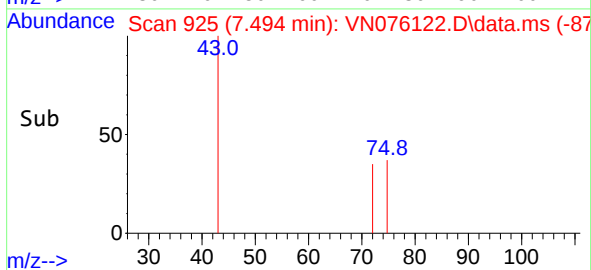
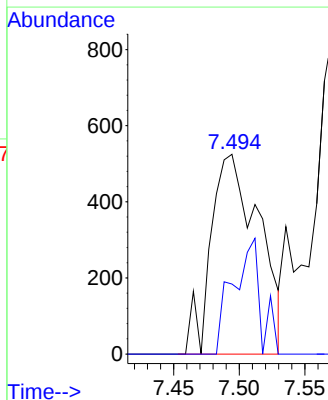
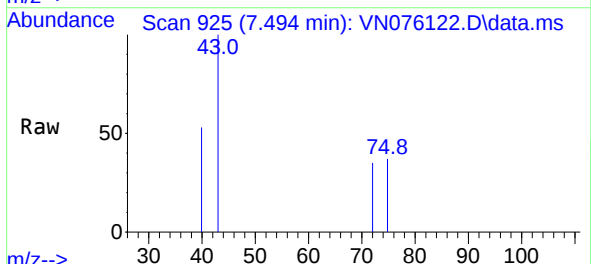
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

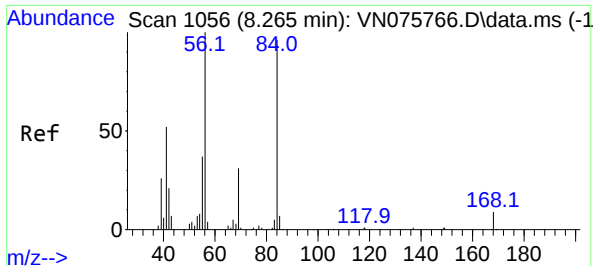
Tgt Ion: 84	Resp: 245
Ion Ratio	Lower Upper
84 100	
49 95.1	81.8 122.6
51 0.0	26.7 40.1#
86 0.0	51.5 77.3#



#25
2-Butanone
Concen: 0.932 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 43	Resp:	1343	
Ion	Ratio	Lower	Upper
43	100		
72	35.0	28.0	42.0

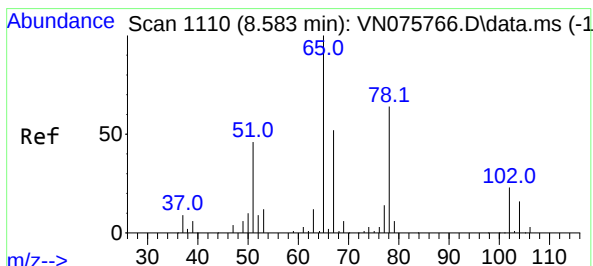
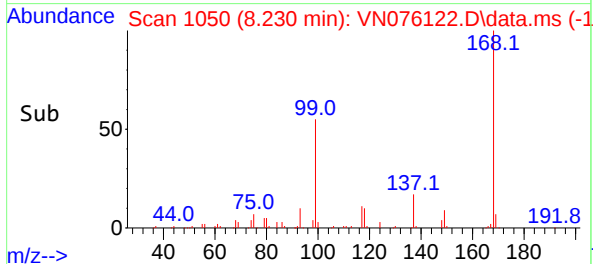
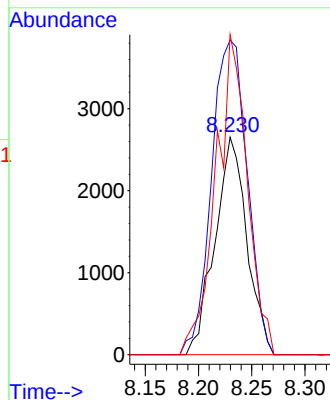
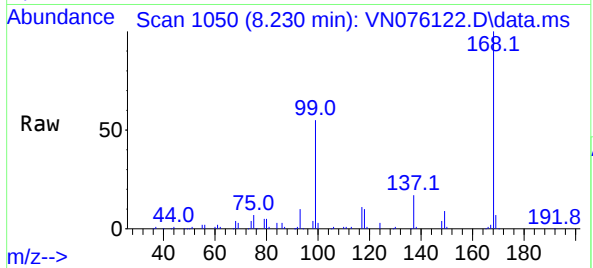




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

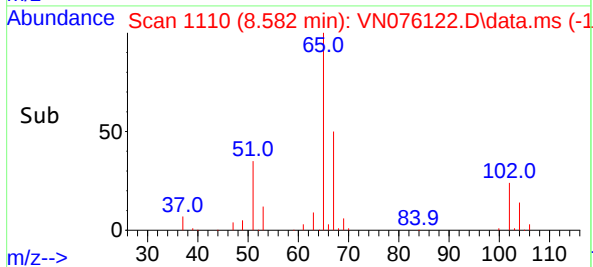
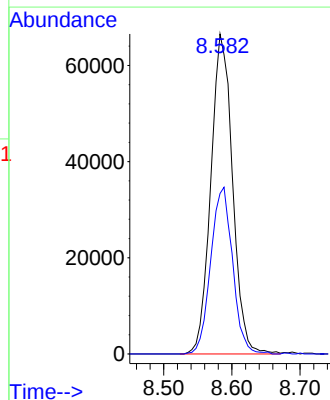
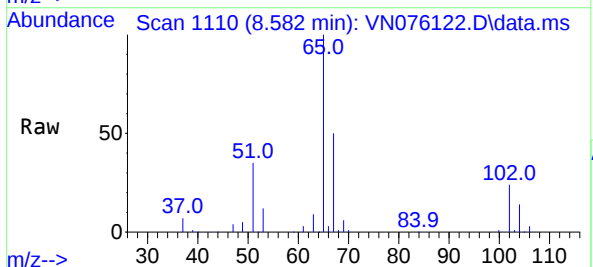
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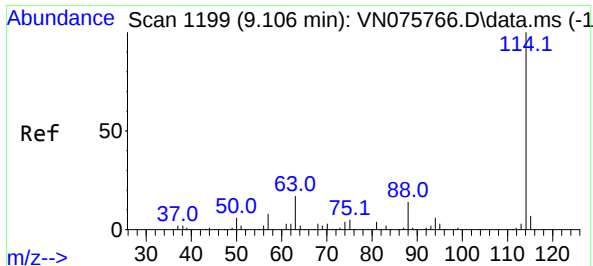
Tgt Ion: 56 Resp: 5548
Ion Ratio Lower Upper
56 100
69 144.7 24.7 37.1#
84 147.1 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 49.525 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 65 Resp: 147798
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

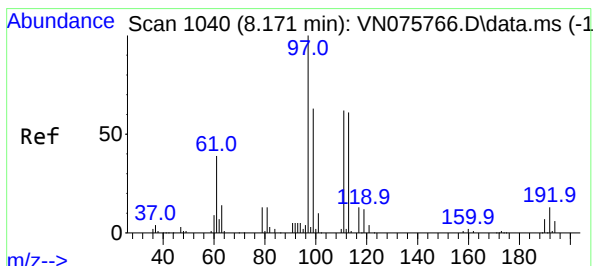
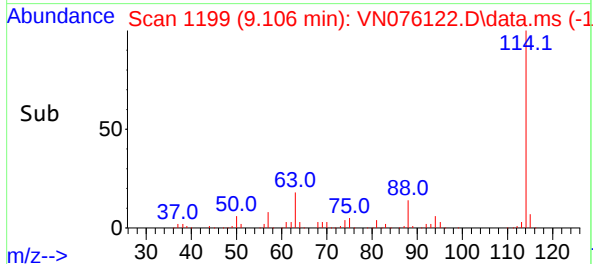
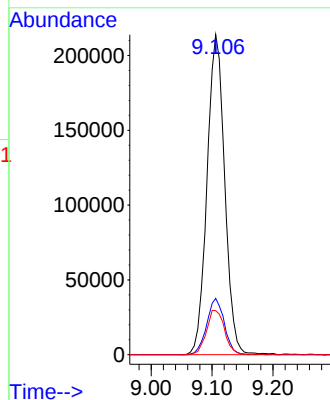
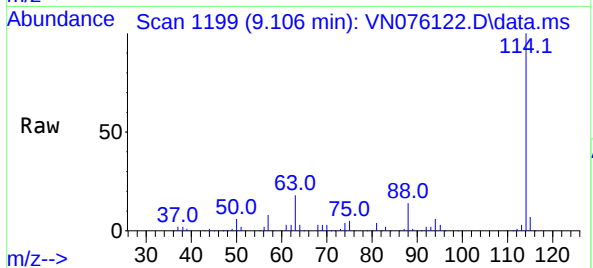




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

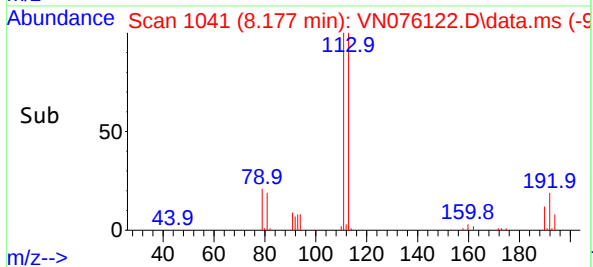
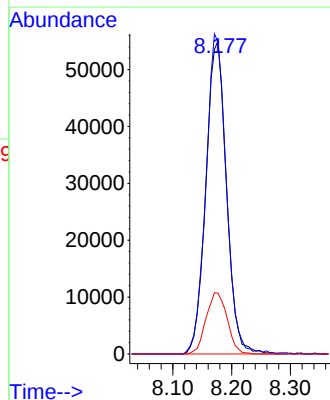
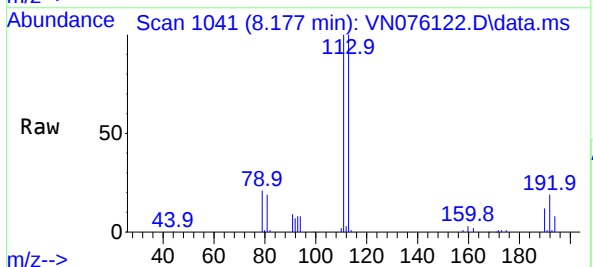
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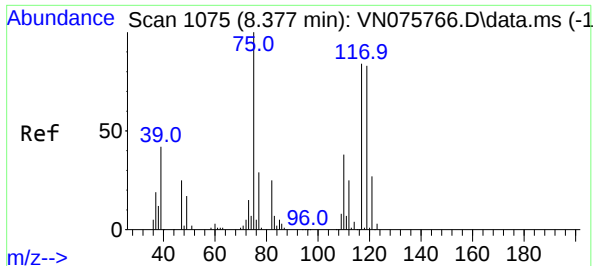
Tgt Ion:114 Resp: 432302
Ion Ratio Lower Upper
114 100
63 17.6 0.0 34.4
88 13.8 0.0 28.8



#35
Dibromofluoromethane
Concen: 49.905 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion:113 Resp: 133604
Ion Ratio Lower Upper
113 100
111 101.5 83.4 125.2
192 20.0 16.1 24.1

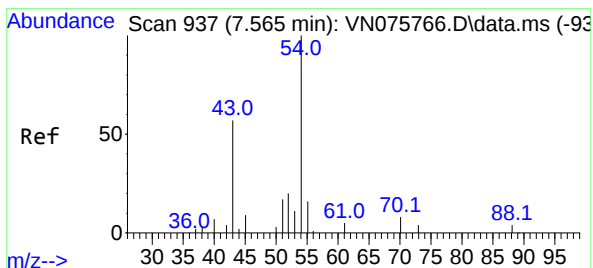
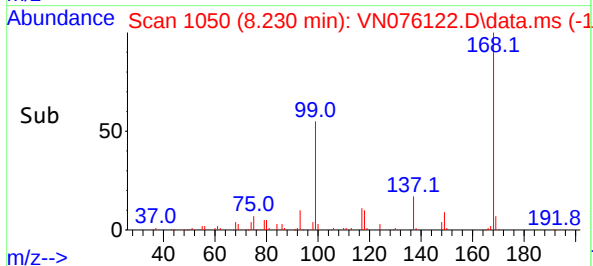
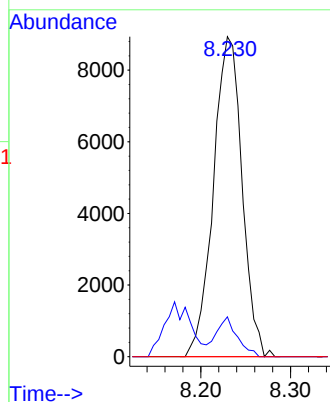
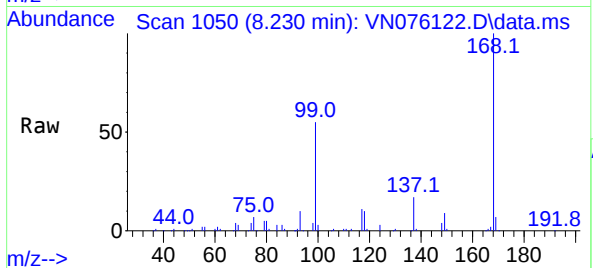




#36
1,1-Dichloropropene
Concen: 5.567 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

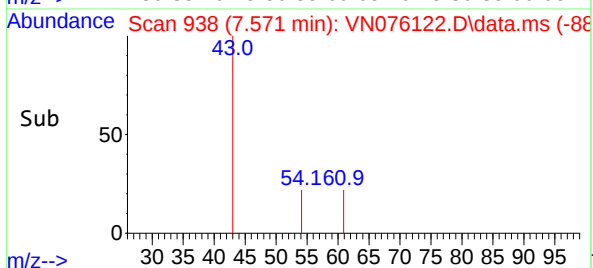
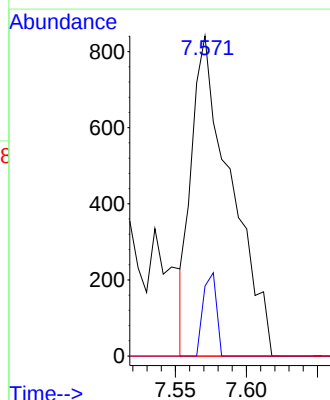
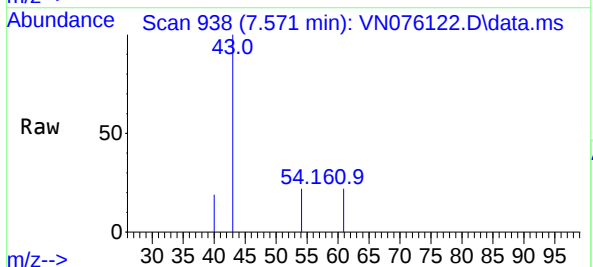
Instrument :
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VN0106MBL01

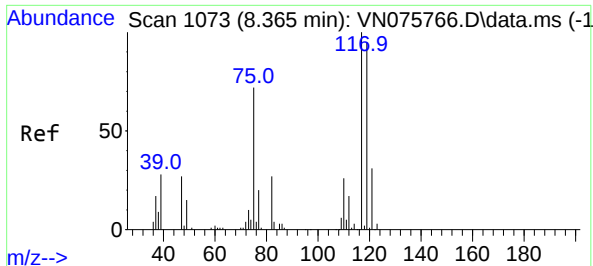
Tgt Ion: 75 Resp: 19797
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 0.569 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
61 8.7 13.0 19.4#
70 0.0 9.4 14.0#

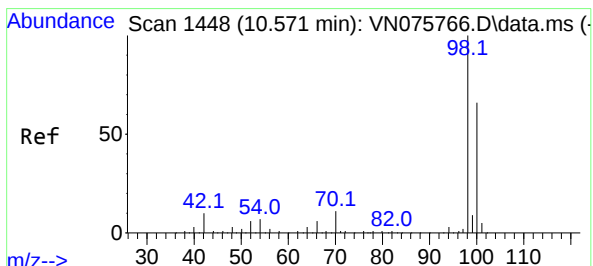
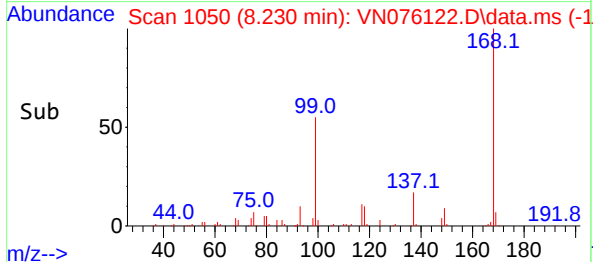
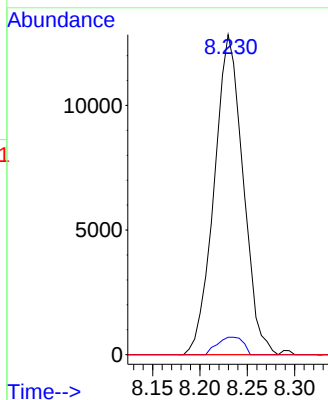
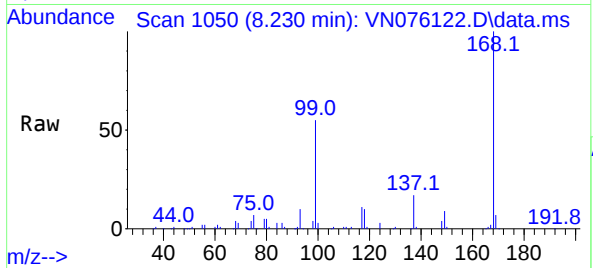




#38
Carbon Tetrachloride
Concen: 6.850 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

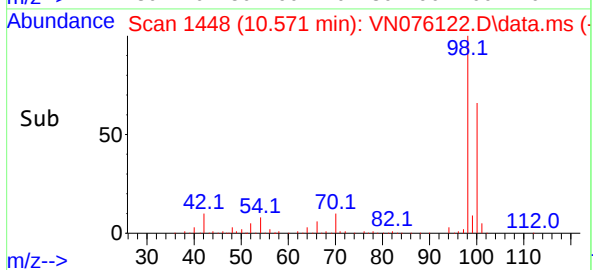
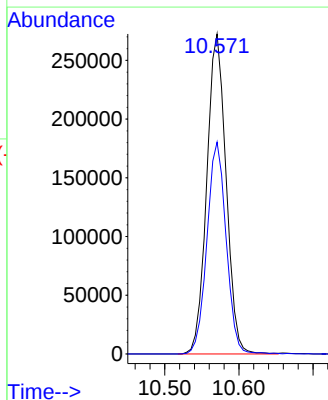
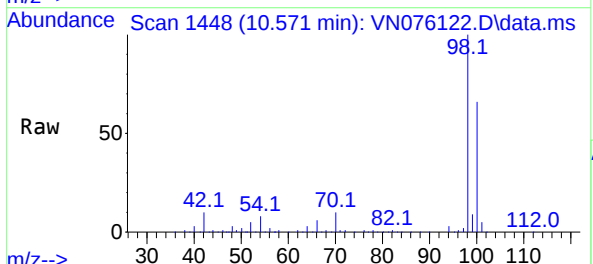
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

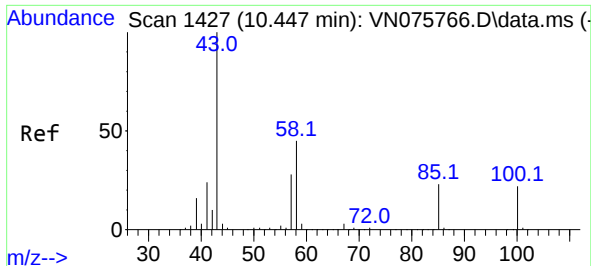
Tgt Ion:117 Resp: 27267
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.286 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 98 Resp: 493333
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1

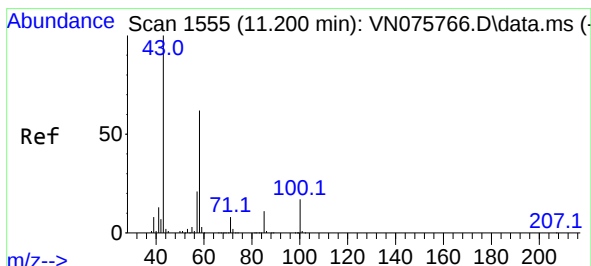
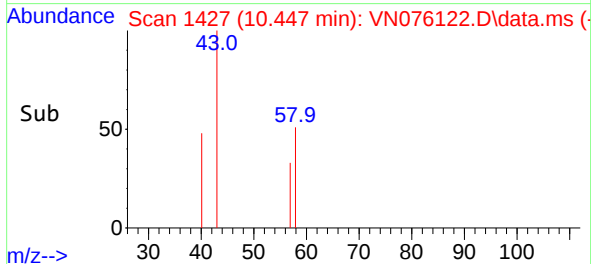
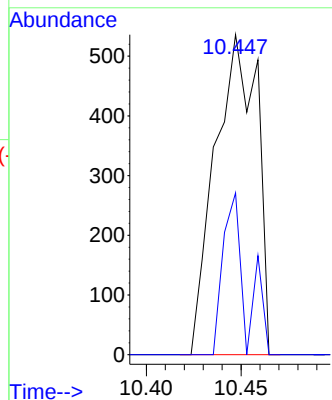
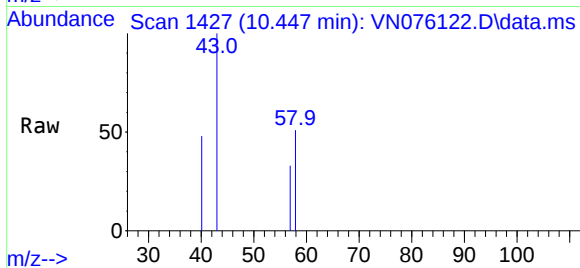




#51
4-Methyl-2-Pentanone
Concen: 0.289 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

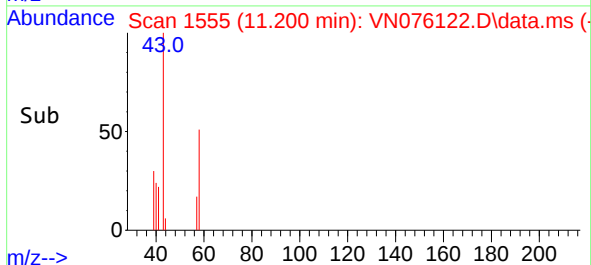
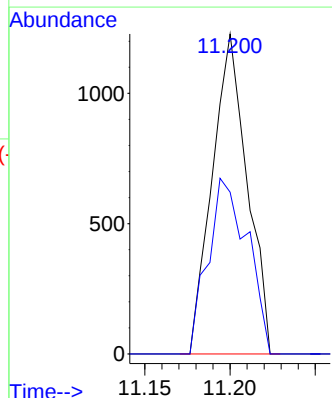
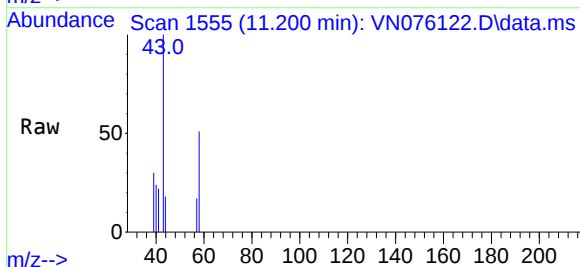
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

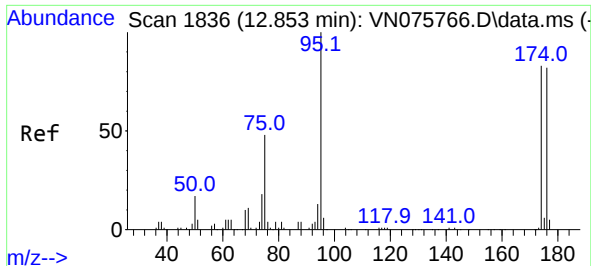
Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
58 27.6 35.5 53.3#



#59
2-Hexanone
Concen: 0.843 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 43 Resp: 1752
Ion Ratio Lower Upper
43 100
58 61.9 30.6 92.0

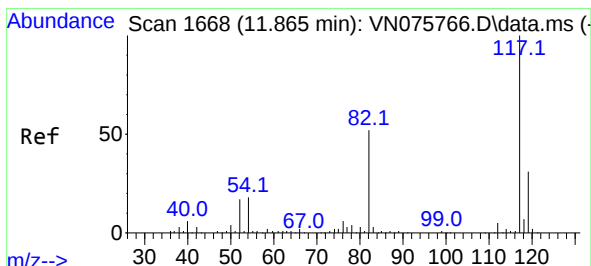
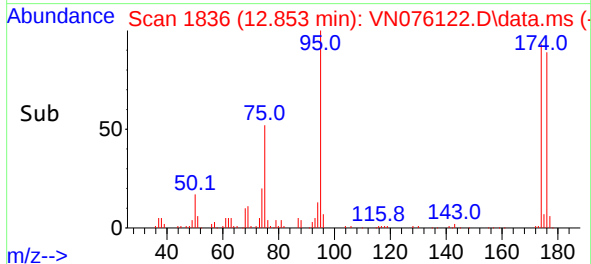
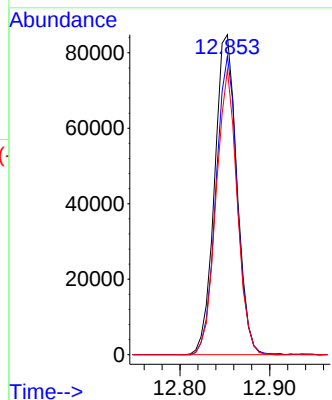
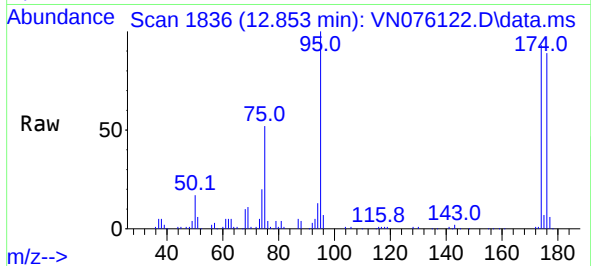




#62
4-Bromofluorobenzene
Concen: 44.110 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

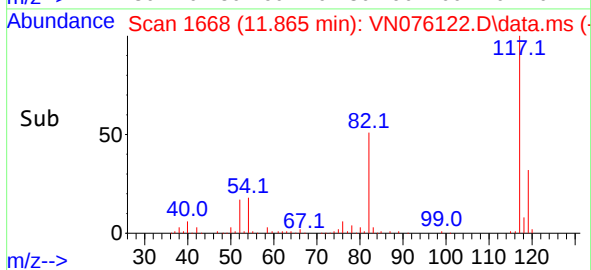
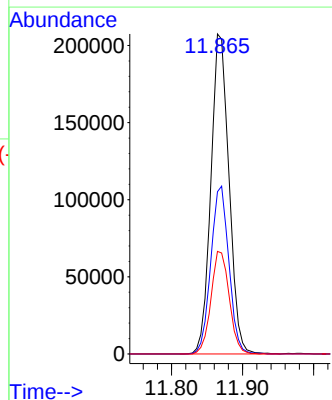
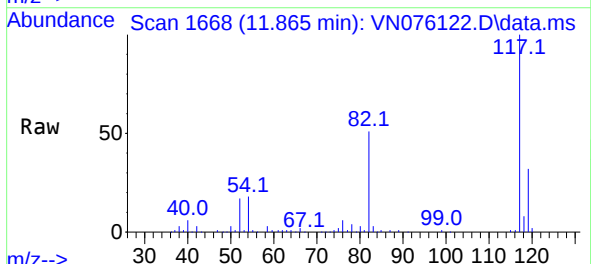
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

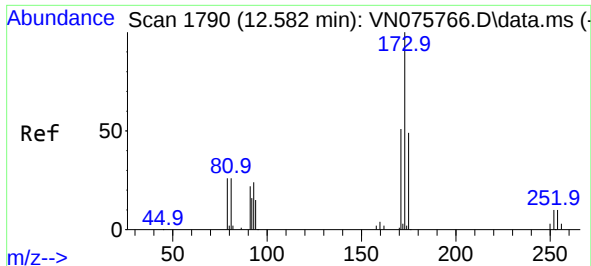
Tgt Ion: 95 Resp: 146240
Ion Ratio Lower Upper
95 100
174 89.6 0.0 171.6
176 84.0 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 117 Resp: 366831
Ion Ratio Lower Upper
117 100
82 50.7 41.3 61.9
119 32.0 24.6 37.0

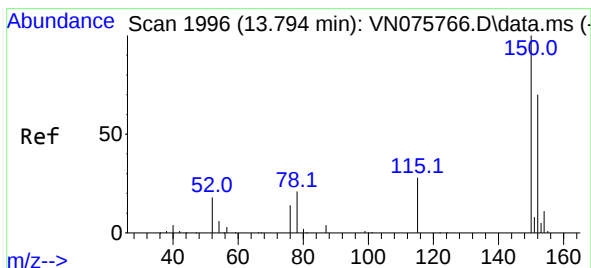
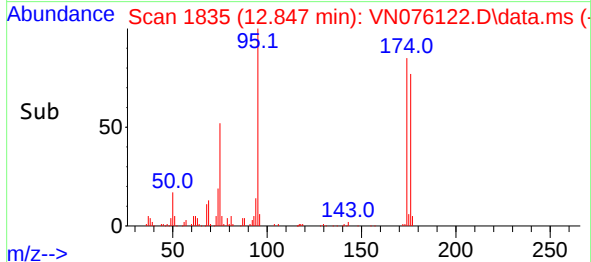
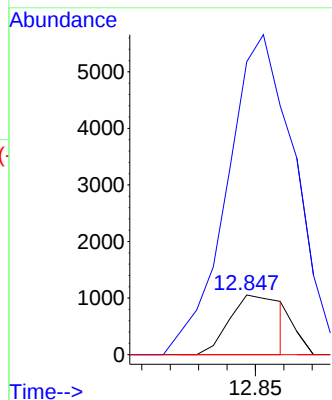
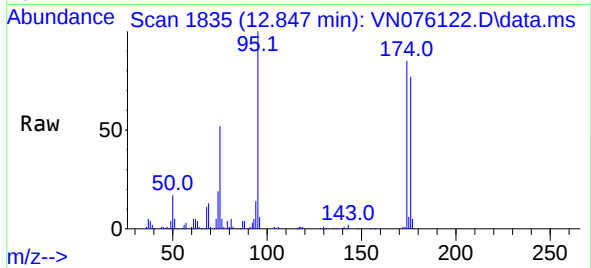




#71
Bromoform
Concen: 0.660 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

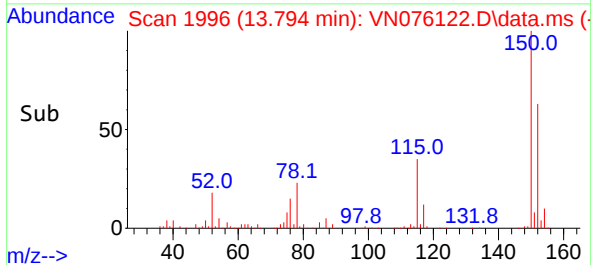
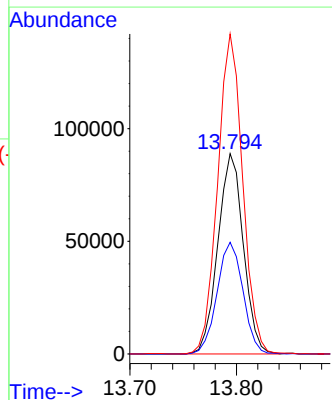
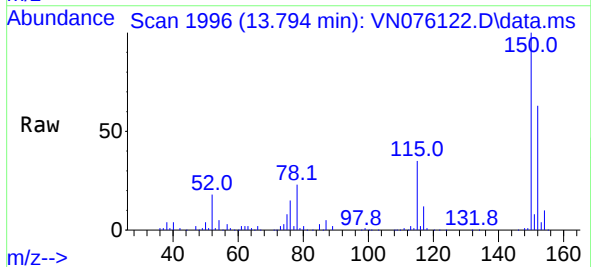
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

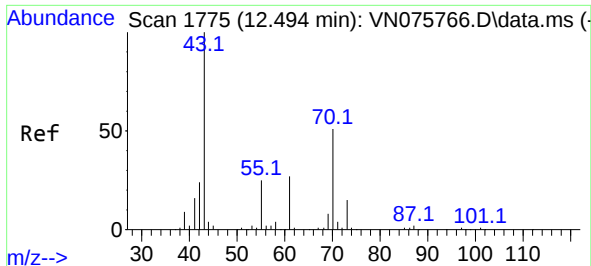
Tgt Ion:173 Resp: 1339
Ion Ratio Lower Upper
173 100
175 561.1 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion:152 Resp: 147453
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.4
150 157.3 0.0 347.0

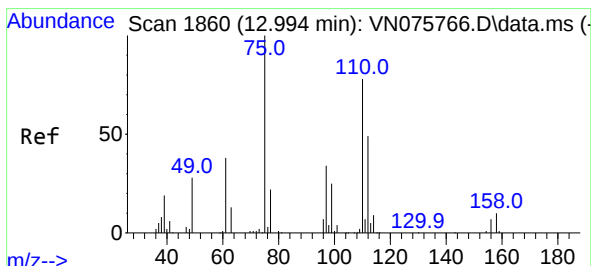
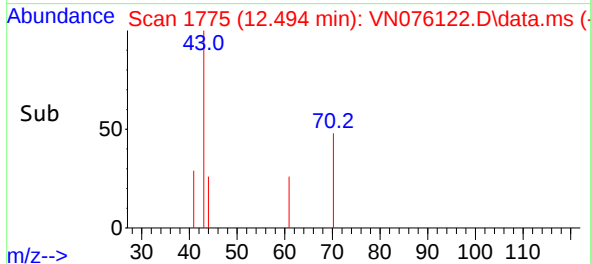
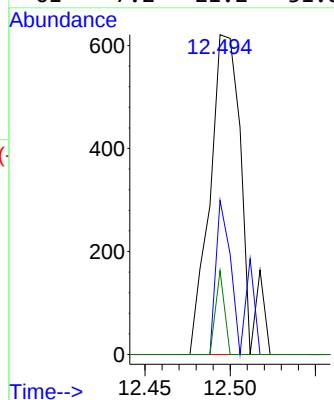
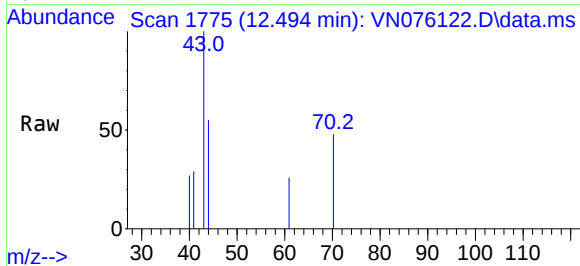




#74
N-amy1 acetate
Concen: 0.259 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

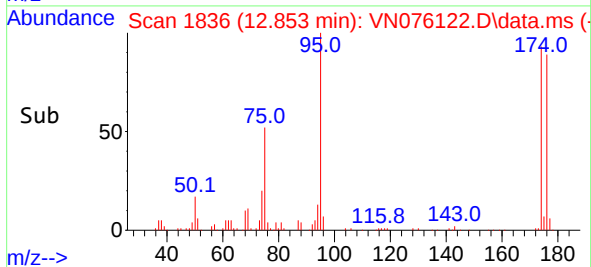
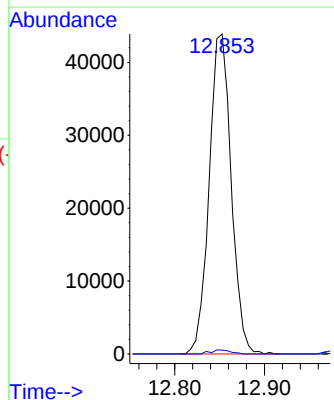
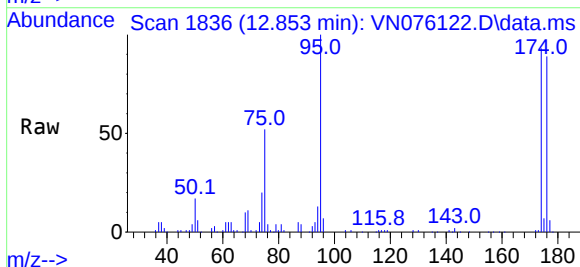
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

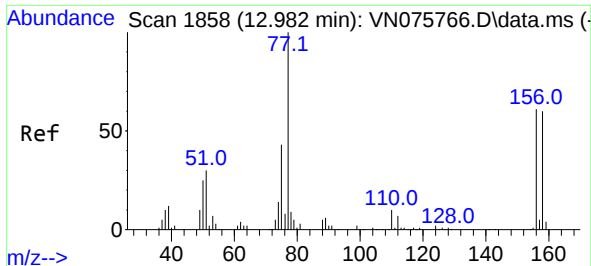
Tgt Ion: 43	Resp:	810	
Ion	Ratio	Lower	Upper
43	100		
70	29.6	41.4	62.0#
55	0.0	21.3	31.9#
61	7.2	21.2	31.8#



#76
1,2,3-Trichloropropane
Concen: 25.179 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 75	Resp: 74838
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

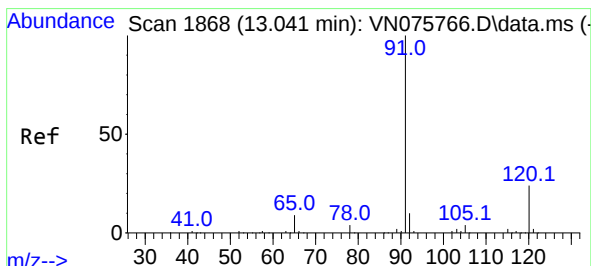
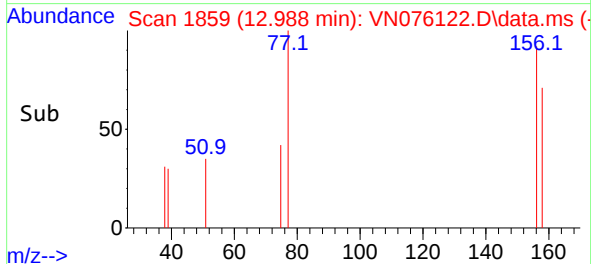
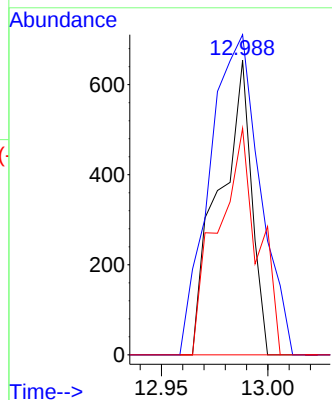
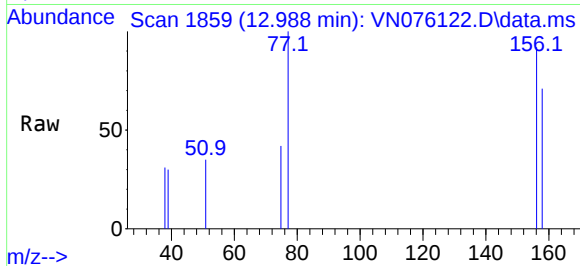




#77
Bromobenzene
Concen: 0.257 ug/l
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

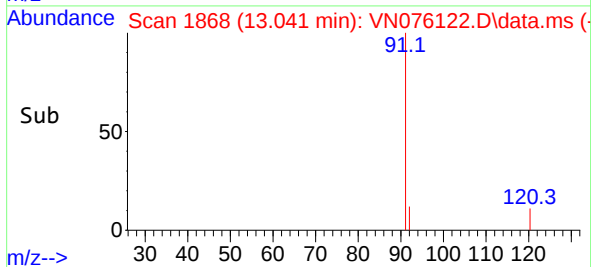
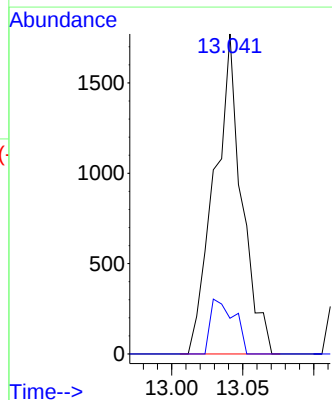
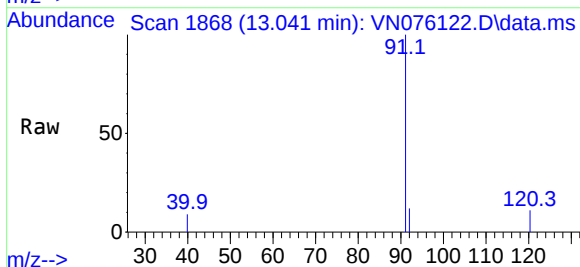
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

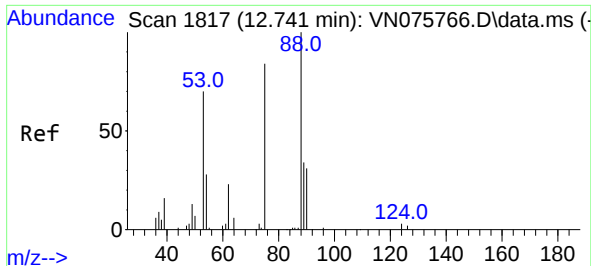
Tgt Ion:	156	Resp:	692
Ion	Ratio	Lower	Upper
156	100		
77	168.5	93.8	281.3
158	95.4	48.9	146.6



#78
n-propylbenzene
Concen: 0.203 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion:	91	Resp:	2382
Ion	Ratio	Lower	Upper
91	100		
120	14.9	12.0	36.1

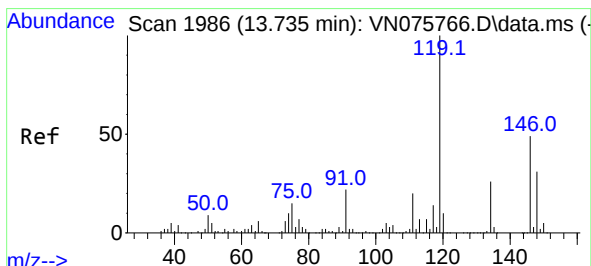
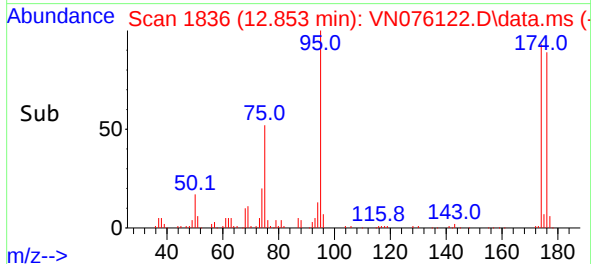
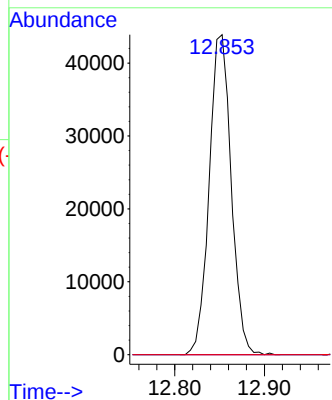
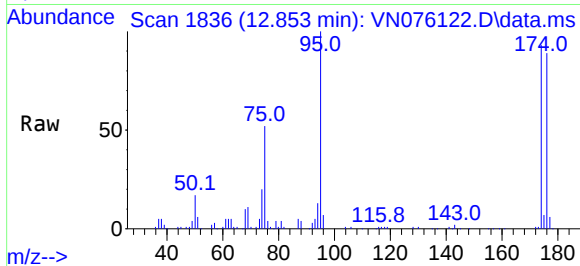




#81
trans-1,4-Dichloro-2-butene
Concen: 90.630 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

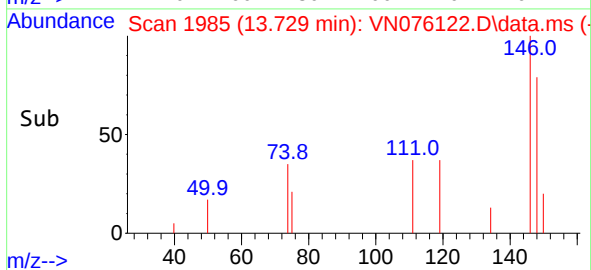
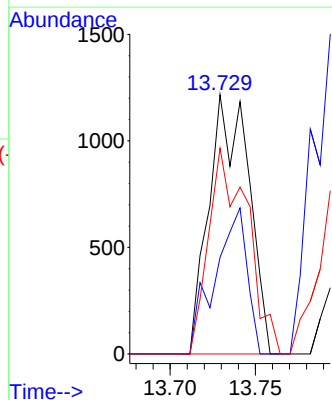
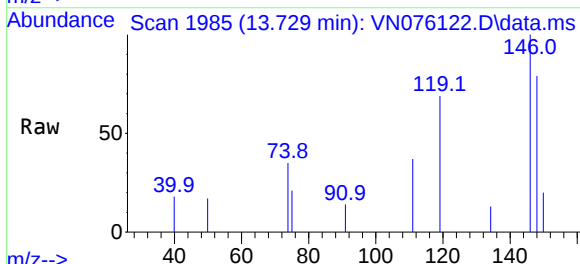
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

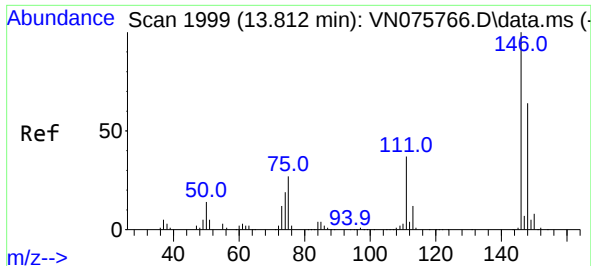
Tgt Ion: 75 Resp: 74838
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.397 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. -0.006 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion:146 Resp: 1976
Ion Ratio Lower Upper
146 100
111 45.5 19.7 59.0
148 77.6 31.4 94.2

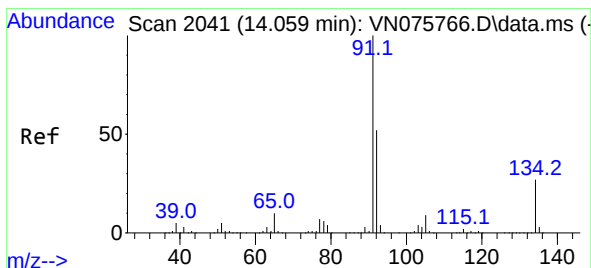
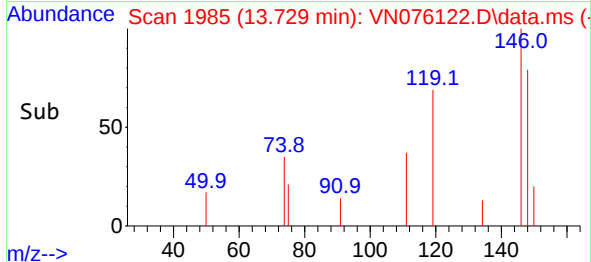
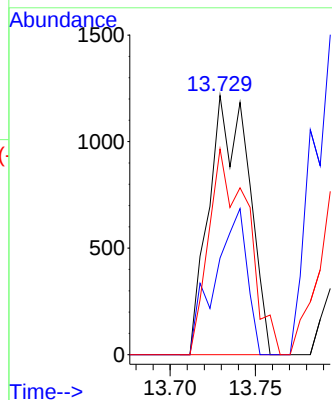
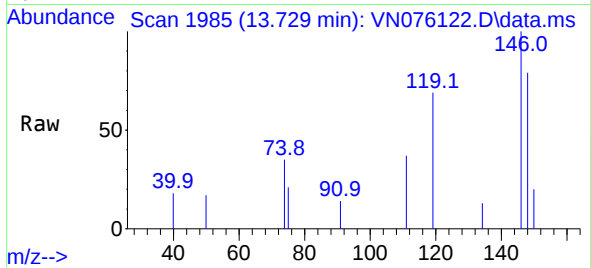




#88
1,4-Dichlorobenzene
Concen: 0.388 ug/l
RT: 13.729 min Scan# 1999
Delta R.T. -0.082 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

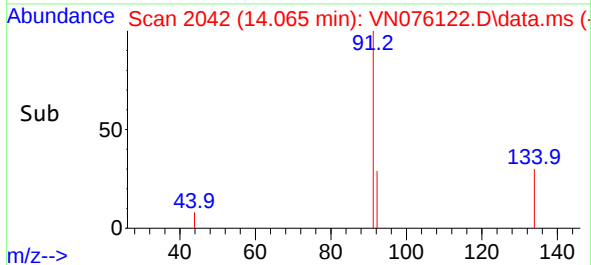
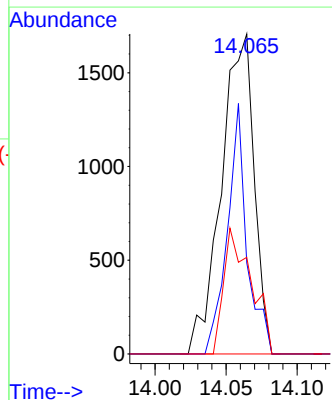
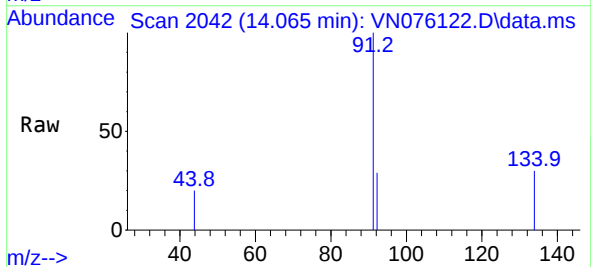
Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

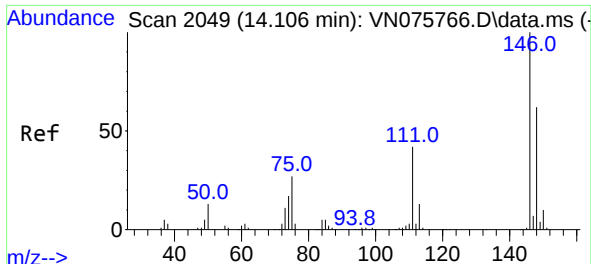
Tgt Ion:146 Resp: 1976
Ion Ratio Lower Upper
146 100
111 45.5 19.1 57.1
148 77.6 32.0 96.2



#89
n-Butylbenzene
Concen: 0.375 ug/l
RT: 14.065 min Scan# 2042
Delta R.T. 0.006 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion: 91 Resp: 2745
Ion Ratio Lower Upper
91 100
92 46.5 26.4 79.2
134 33.0 13.4 40.2





#91

1,2-Dichlorobenzene

Concen: 0.468 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN076122.D

Acq: 06 Jan 2023 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN0106MBL01

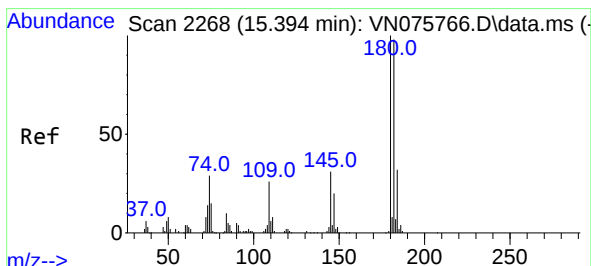
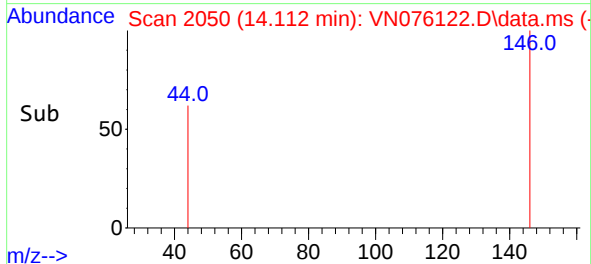
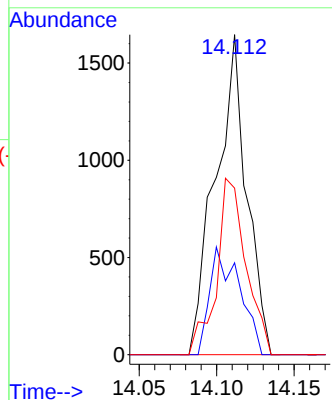
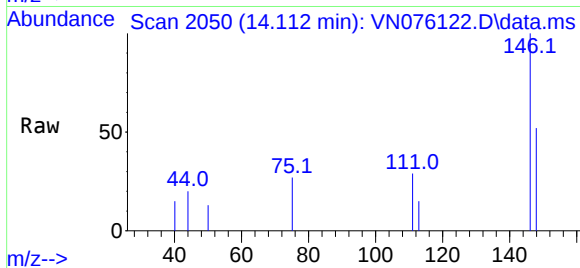
Tgt Ion:146 Resp: 2298

Ion Ratio Lower Upper

146 100

111 32.2 20.3 61.0

148 52.0 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 1.178 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. -0.000 min

Lab File: VN076122.D

Acq: 06 Jan 2023 10:25

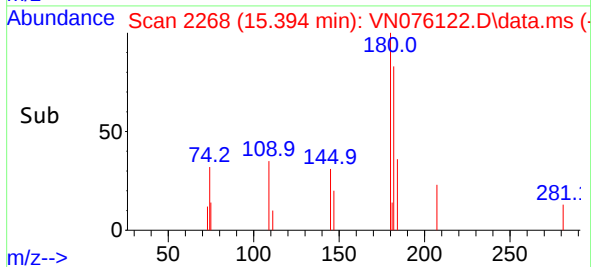
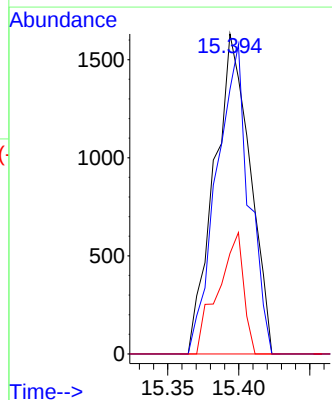
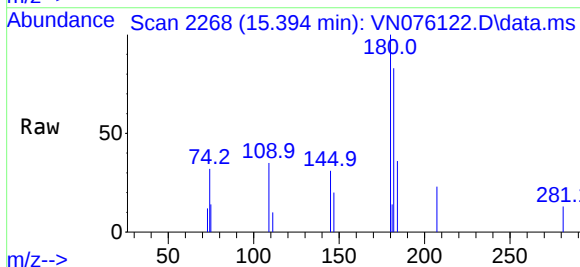
Tgt Ion:180 Resp: 2862

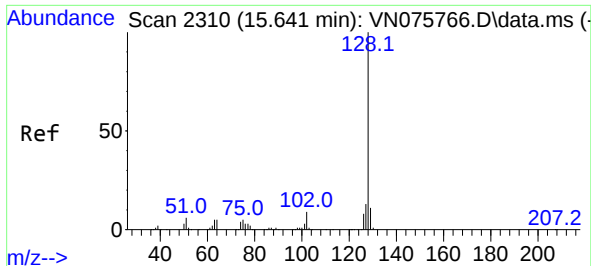
Ion Ratio Lower Upper

180 100

182 87.7 47.5 142.5

145 26.9 15.3 45.8

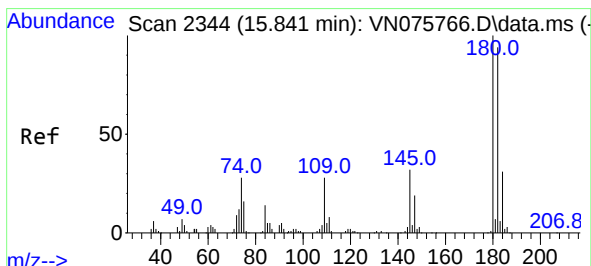
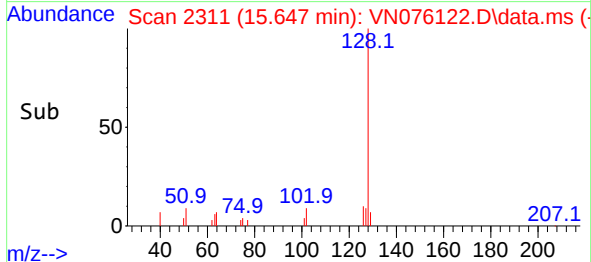
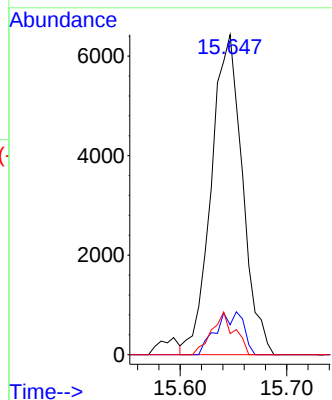
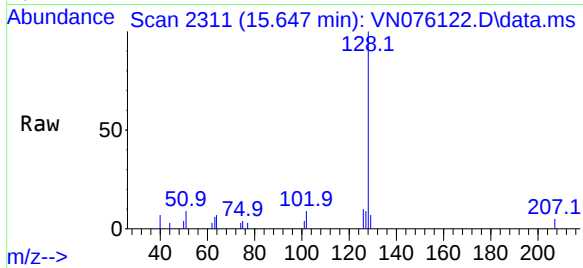




#95
Naphthalene
Concen: 3.735 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN0106MBL01

Tgt Ion:	128	Resp:	13069
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.4	15.6
129	9.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.644 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN076122.D
Acq: 06 Jan 2023 10:25

Tgt Ion:	180	Resp:	3733
Ion	Ratio	Lower	Upper
180	100		
182	81.1	47.0	141.0
145	32.1	16.0	47.9

