

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077717.D
 Acq On : 17 May 2023 16:31
 Operator : JC\MD
 Sample : 02831-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-3

Quant Time: May 18 01:39:58 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	355513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	661653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	579387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	231244	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	252206	47.413	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.820%
35) Dibromofluoromethane	8.171	113	204095	47.304	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.600%
50) Toluene-d8	10.577	98	804025	48.415	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.820%
62) 4-Bromofluorobenzene	12.859	95	266099	45.368	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.740%

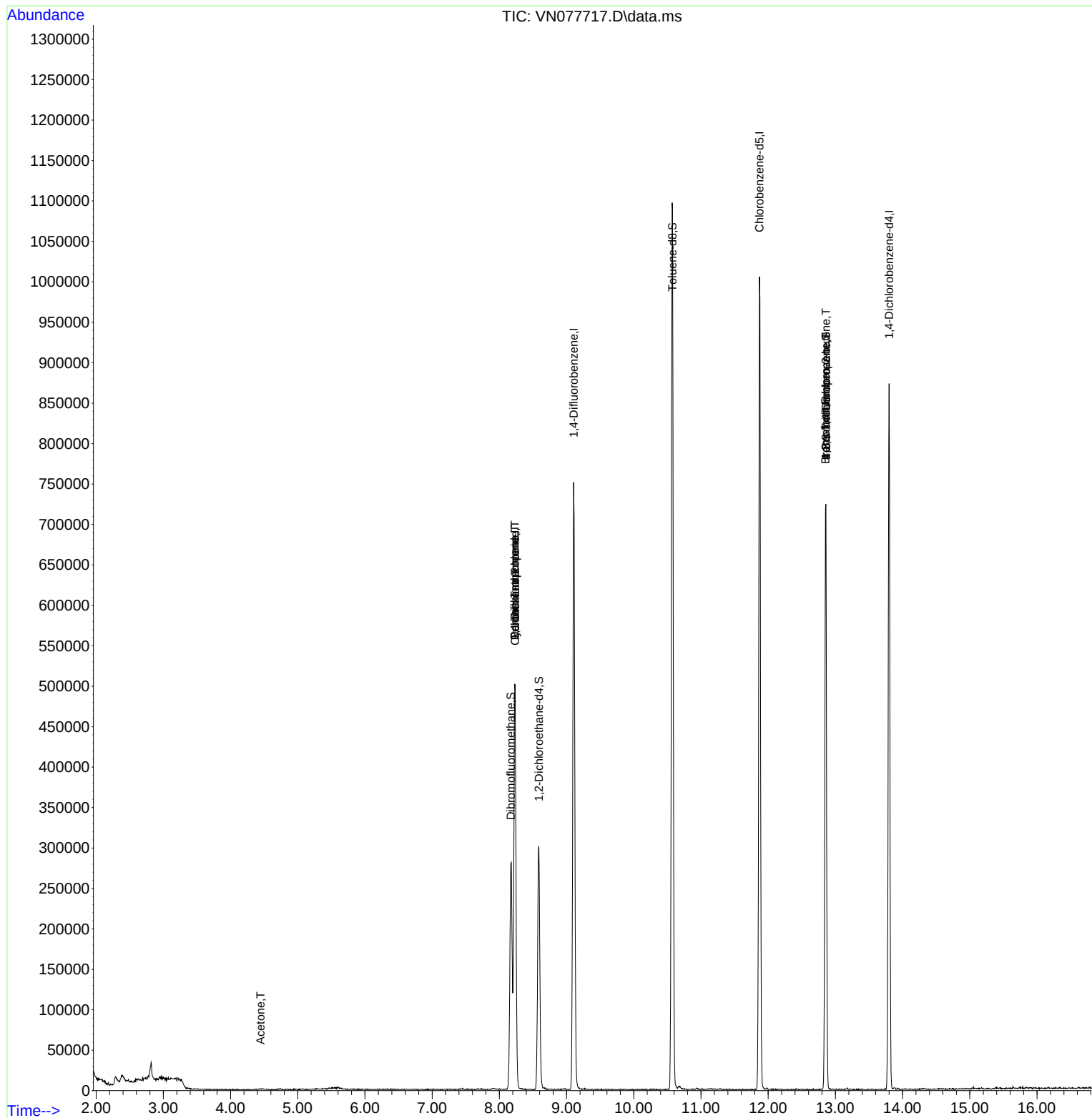
Target Compounds					Qvalue
3) Chloromethane	2.371	50	1159	Below Cal	# 42
13) Acrolein	4.242	56	79	Below Cal	# 16
16) Acetone	4.447	43	1180	0.705 ug/l	# 73
20) Methylene Chloride	5.283	84	442	Below Cal	# 40
31) Cyclohexane	8.236	56	9213	1.274 ug/l	# 28
36) 1,1-Dichloropropene	8.230	75	30674	4.861 ug/l	# 46
38) Carbon Tetrachloride	8.230	117	38344	6.017 ug/l	# 15
71) Bromoform	12.853	173	1771	0.613 ug/l	# 1
76) 1,2,3-Trichloropropane	12.859	75	145485	25.122 ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.859	75	145485	80.302 ug/l	# 15

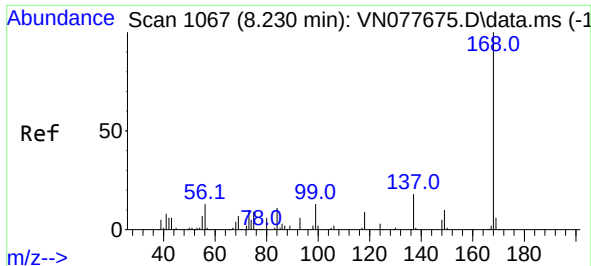
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

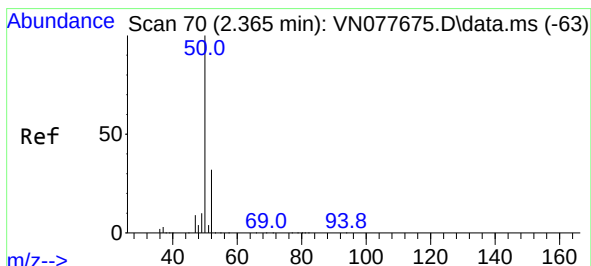
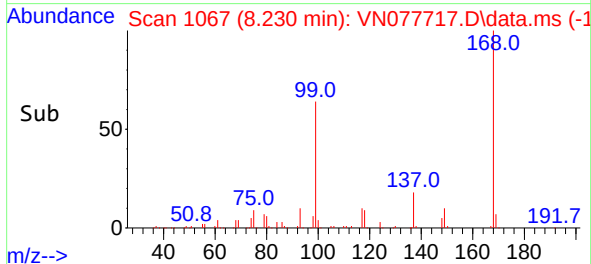
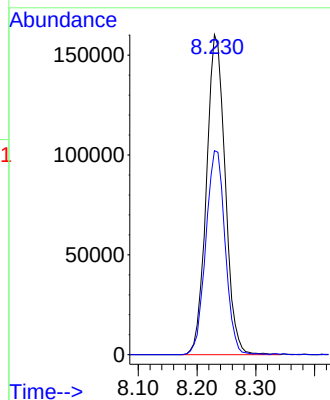
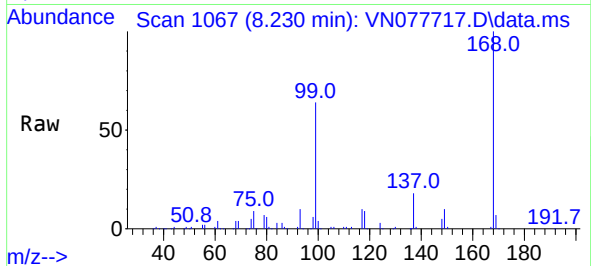




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

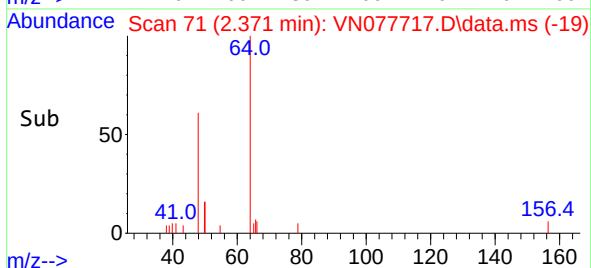
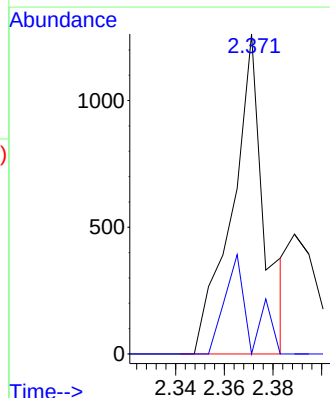
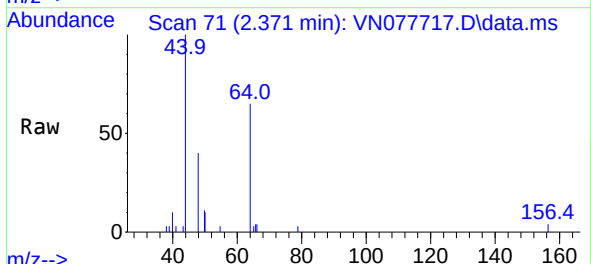
Instrument :
MSVOA_N
ClientSampleId :
MP-3

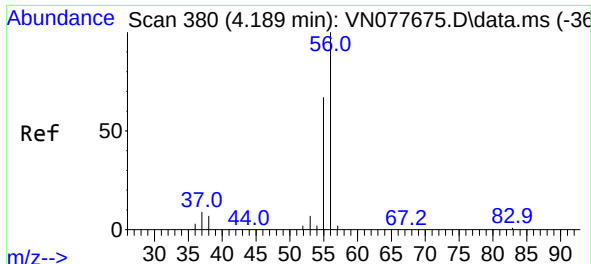
Tgt Ion:168 Resp: 355513
Ion Ratio Lower Upper
168 100
99 63.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Tgt Ion: 50 Resp: 1159
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

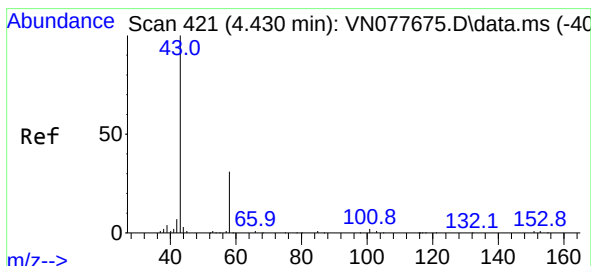
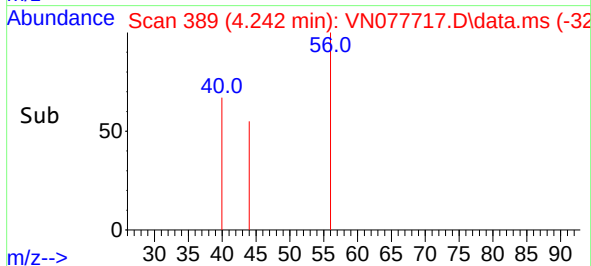
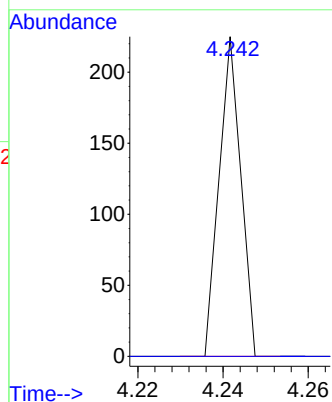
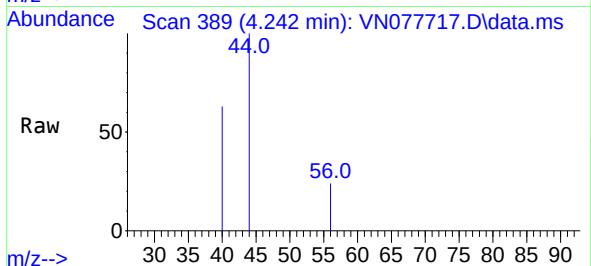




#13
Acrolein
Concen: Below Cal
RT: 4.242 min Scan# 389
Delta R.T. 0.053 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

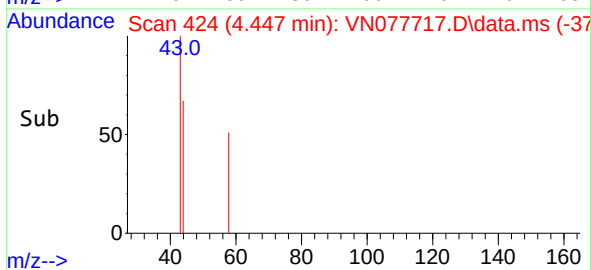
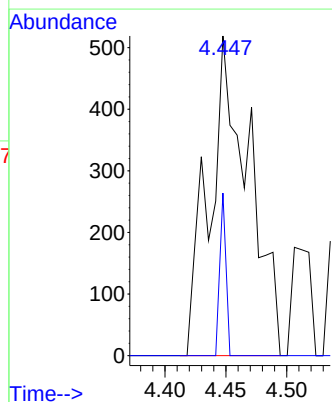
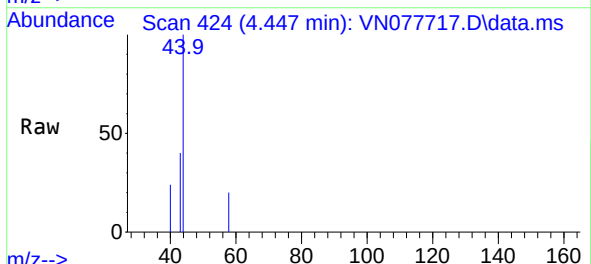
Instrument :
MSVOA_N
ClientSampleId :
MP-3

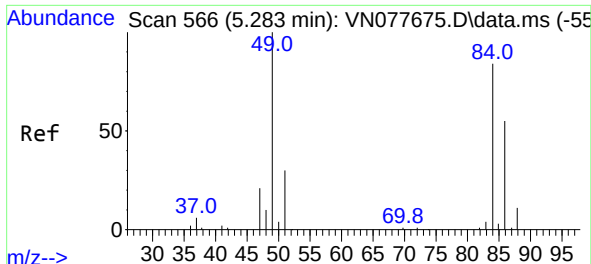
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 0.705 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
58 50.9 28.0 42.0#

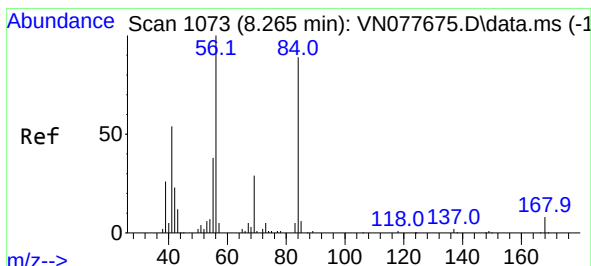
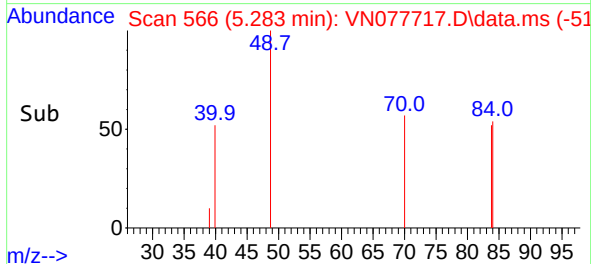
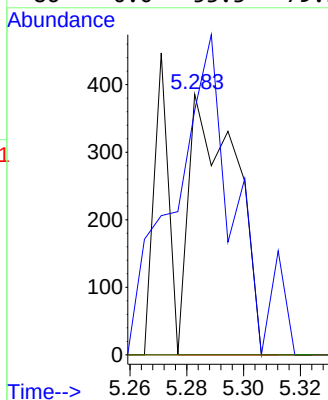
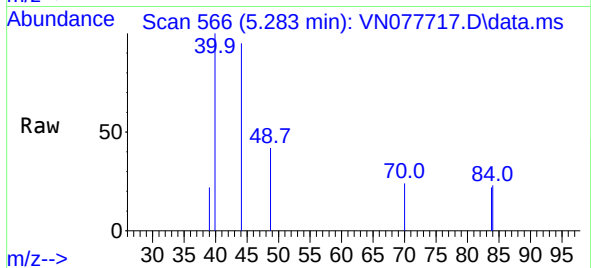




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

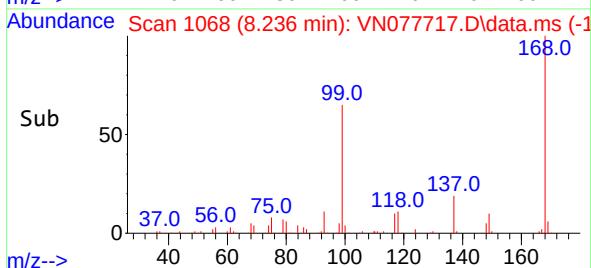
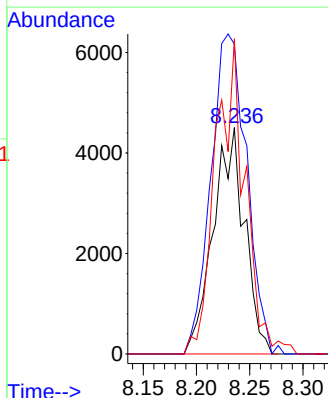
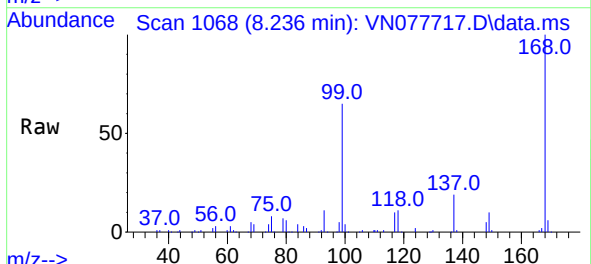
Instrument :
MSVOA_N
ClientSampleId :
MP-3

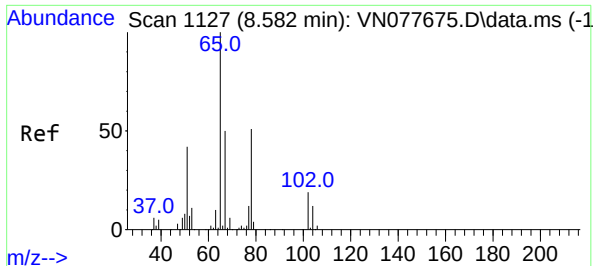
Tgt Ion:	84	Resp:	442
Ion	Ratio	Lower	Upper
84	100		
49	53.9	79.7	119.5#
51	0.0	25.2	37.8#
86	0.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Tgt Ion:	56	Resp:	9213
Ion	Ratio	Lower	Upper
56	100		
69	136.8	26.8	40.2#
84	139.2	81.8	122.6#

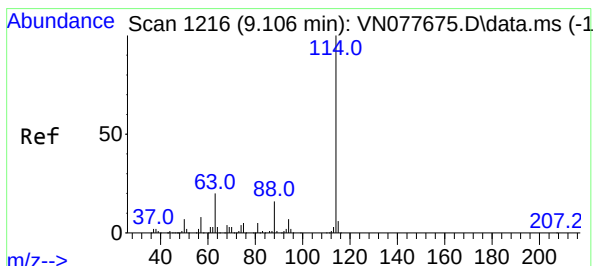
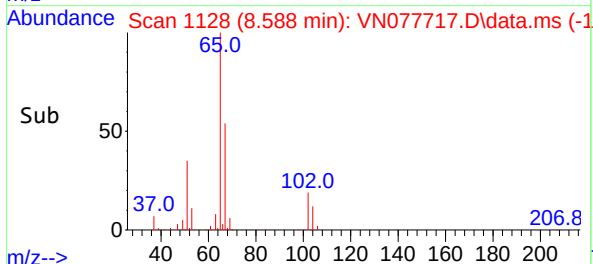
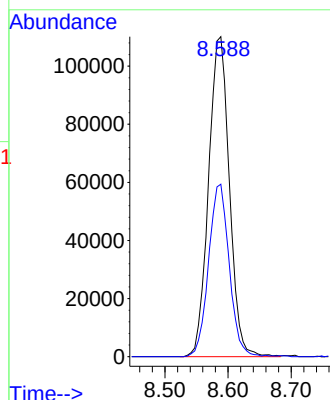
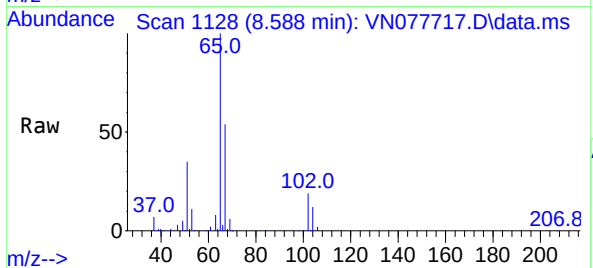




#33
1,2-Dichloroethane-d4
Concen: 47.413 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

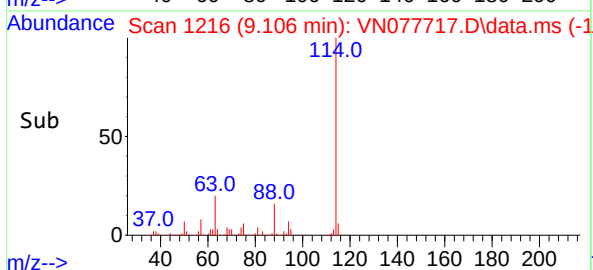
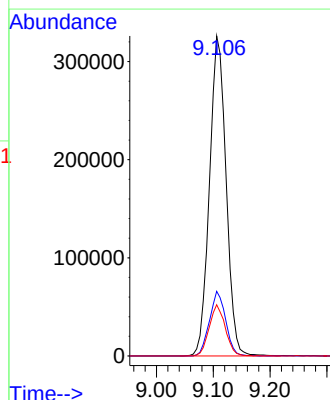
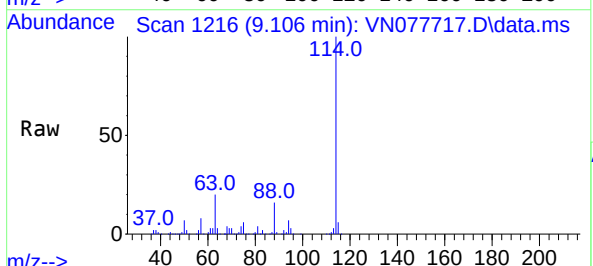
Instrument :
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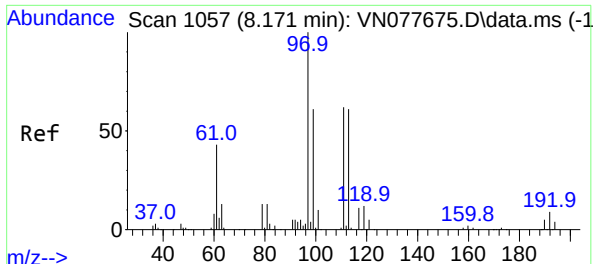
Tgt Ion: 65 Resp: 252206
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Tgt Ion: 114 Resp: 661653
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.4
88 16.0 0.0 30.6

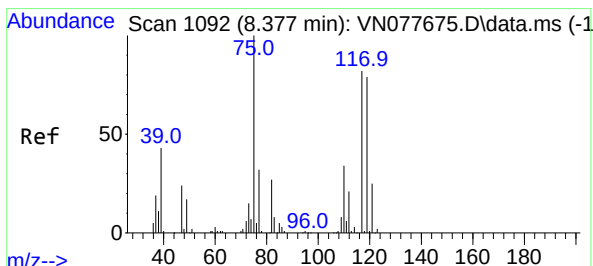
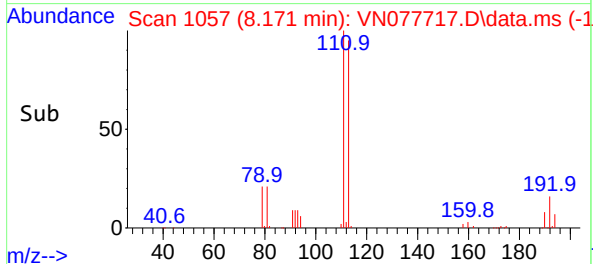
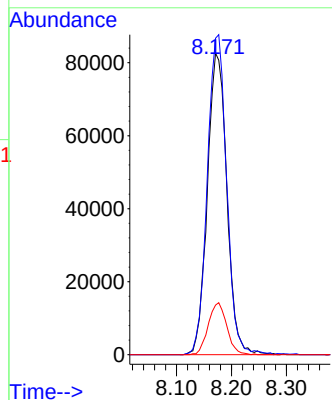
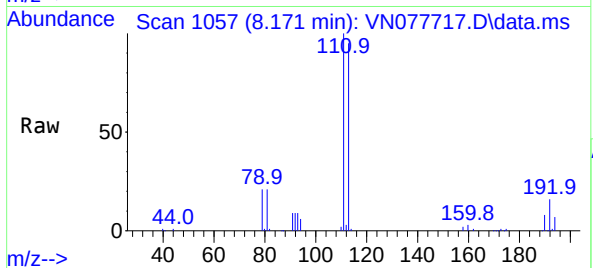




#35
Dibromofluoromethane
Concen: 47.304 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

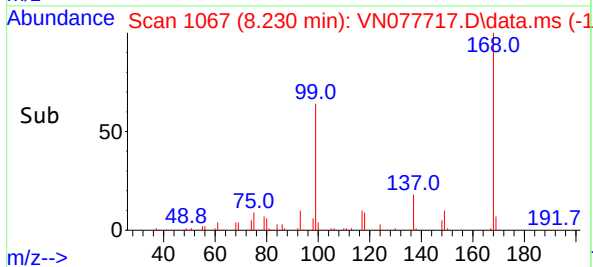
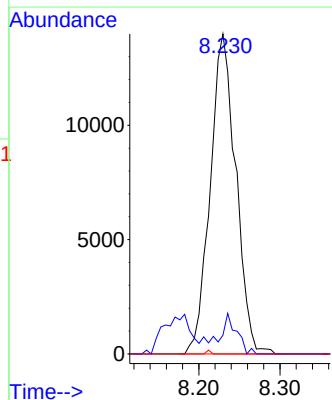
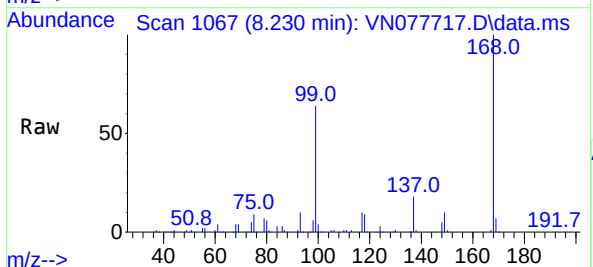
Instrument :
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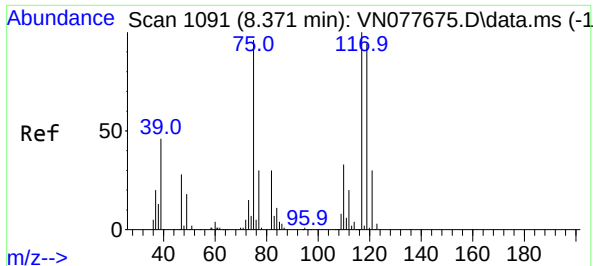
Tgt Ion:113 Resp: 204095
Ion Ratio Lower Upper
113 100
111 105.0 82.6 123.8
192 16.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Tgt Ion: 75 Resp: 30674
Ion Ratio Lower Upper
75 100
110 6.4 19.1 57.3#
77 0.0 25.0 37.4#

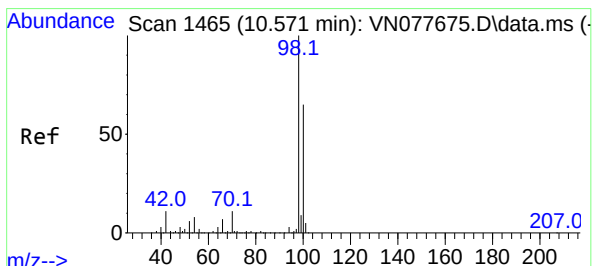
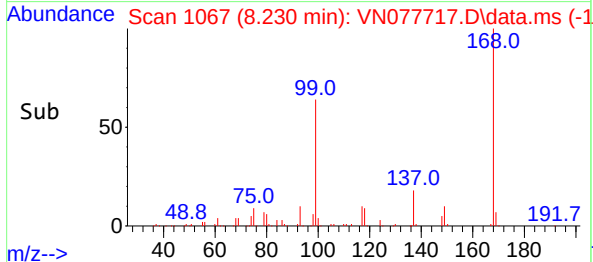
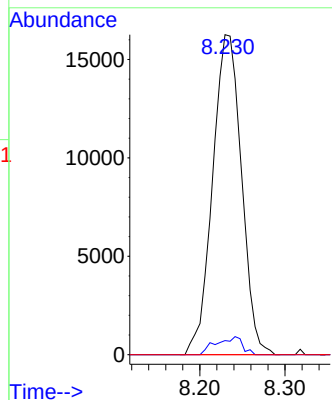
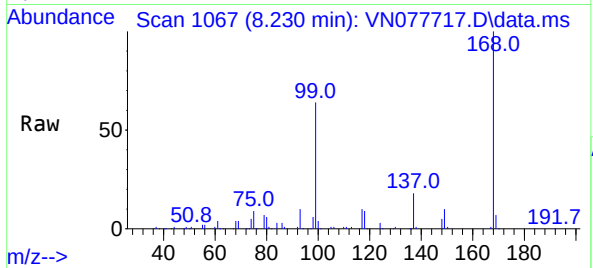




#38
Carbon Tetrachloride
Concen: 6.017 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

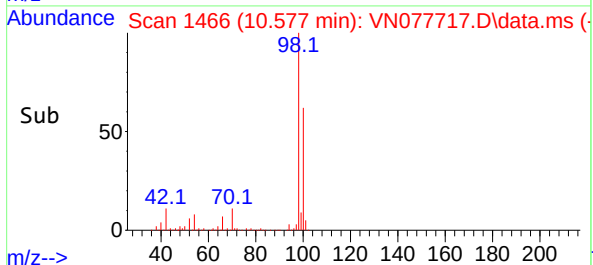
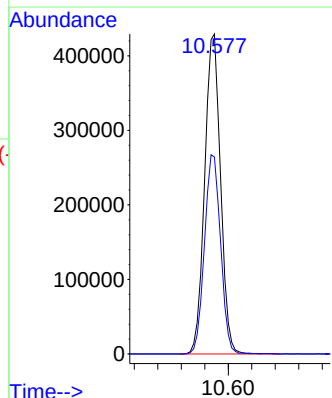
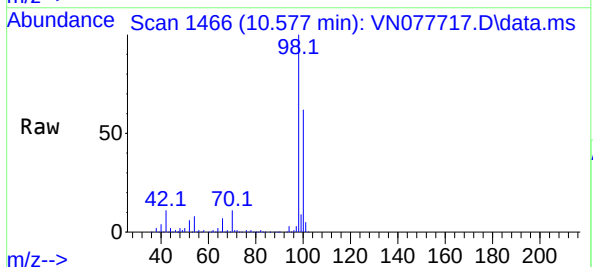
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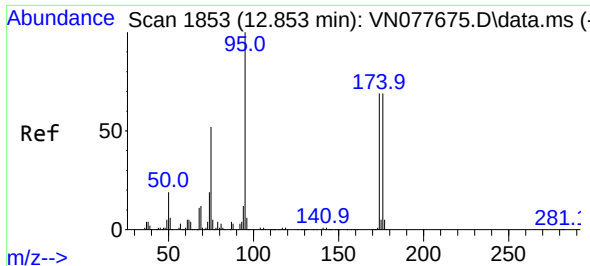
Tgt Ion:117 Resp: 38344
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 48.415 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Tgt Ion: 98 Resp: 804025
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

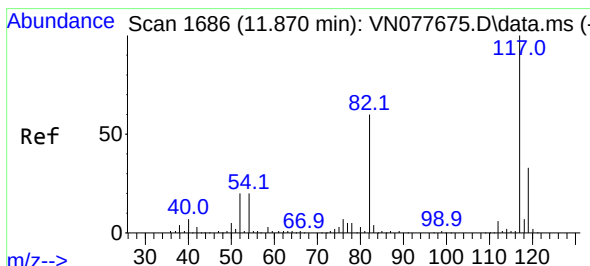
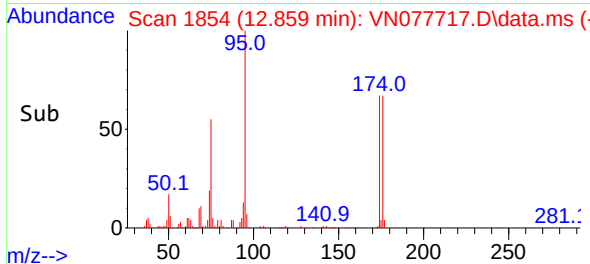
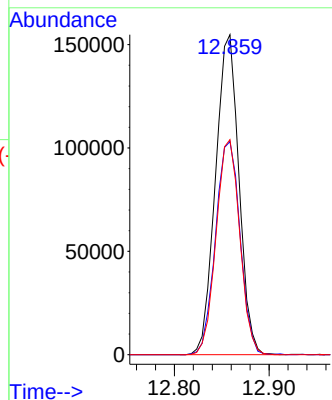
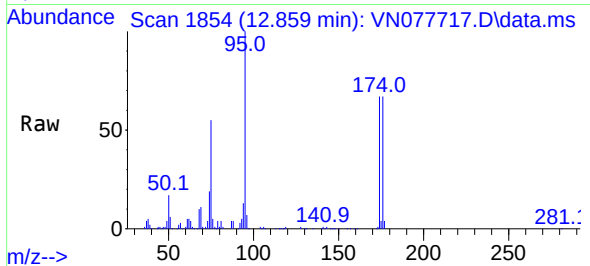




#62
4-Bromofluorobenzene
Concen: 45.368 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

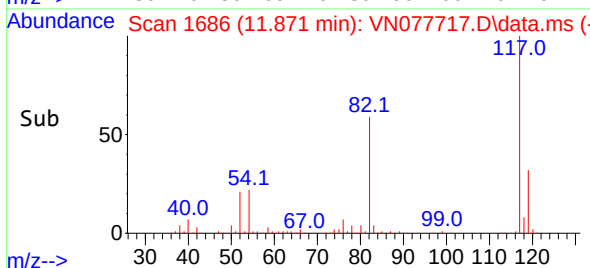
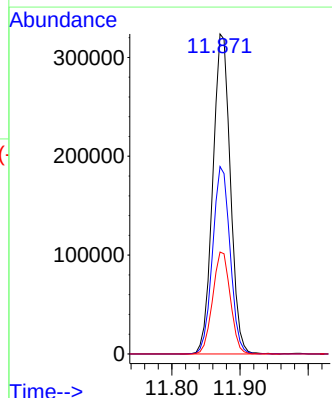
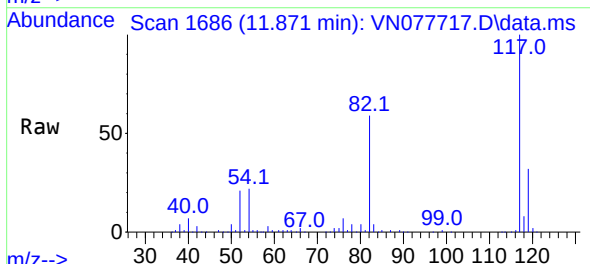
Instrument :
MSVOA_N
ClientSampleId :
MP-3

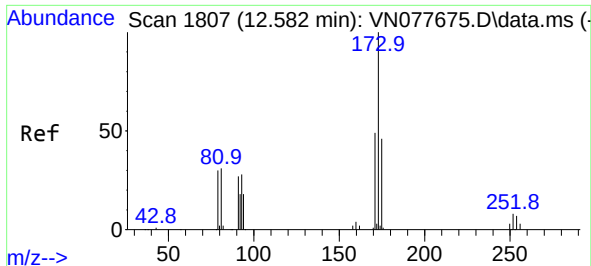
Tgt Ion: 95 Resp: 266099
Ion Ratio Lower Upper
95 100
174 69.8 0.0 143.8
176 67.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Tgt Ion: 117 Resp: 579387
Ion Ratio Lower Upper
117 100
82 58.5 44.0 66.0
119 31.9 25.6 38.4

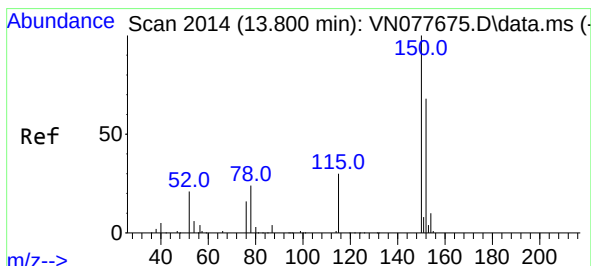
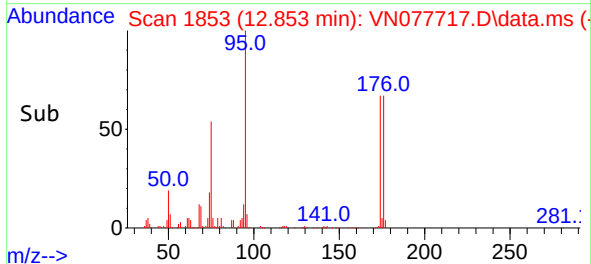
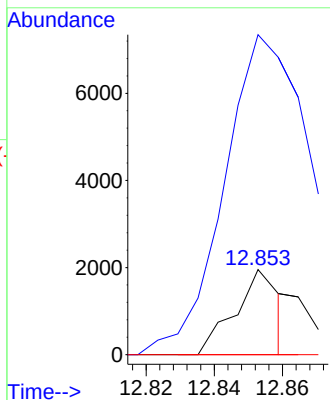
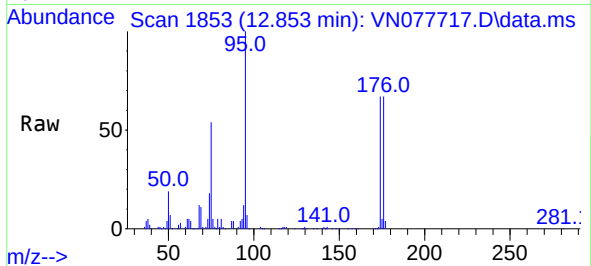




#71
Bromoform
Concen: 0.613 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

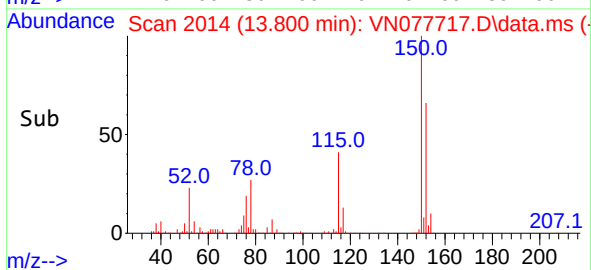
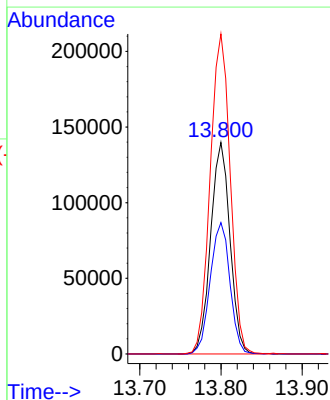
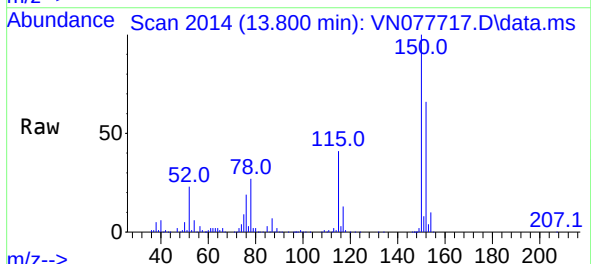
Instrument :
MSVOA_N
ClientSampleId :
MP-3

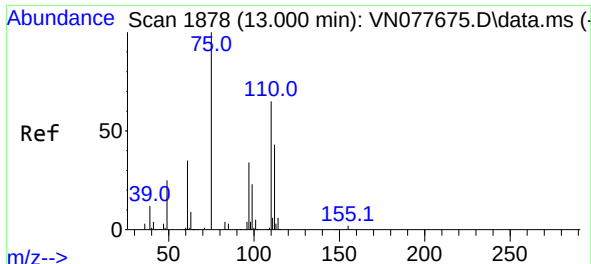
Tgt Ion:173 Resp: 1771
Ion Ratio Lower Upper
173 100
175 500.7 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Tgt Ion:152 Resp: 231244
Ion Ratio Lower Upper
152 100
115 63.3 32.3 96.8
150 156.6 0.0 355.8

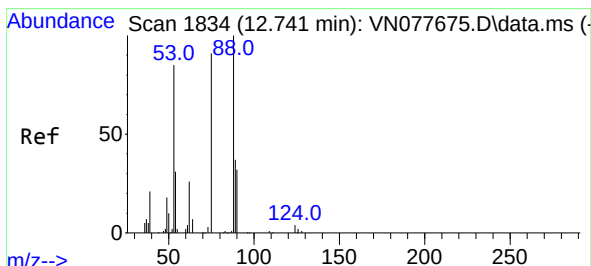
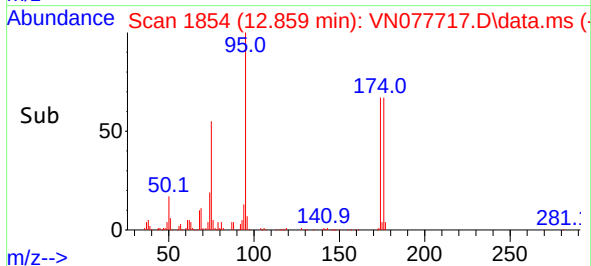
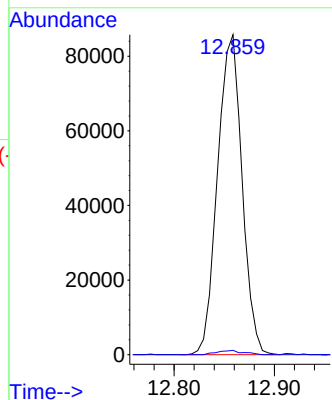
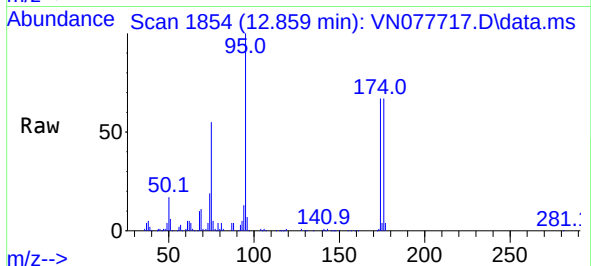




#76
1,2,3-Trichloropropane
Concen: 25.122 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Instrument :
MSVOA_N
ClientSampleId :
MP-3

Tgt Ion: 75 Resp: 145485
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.302 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077717.D
Acq: 17 May 2023 16:31

Tgt Ion: 75 Resp: 145485
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

