

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077719.D
 Acq On : 17 May 2023 17:19
 Operator : JC\MD
 Sample : 02831-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-5

Quant Time: May 18 01:40:17 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)

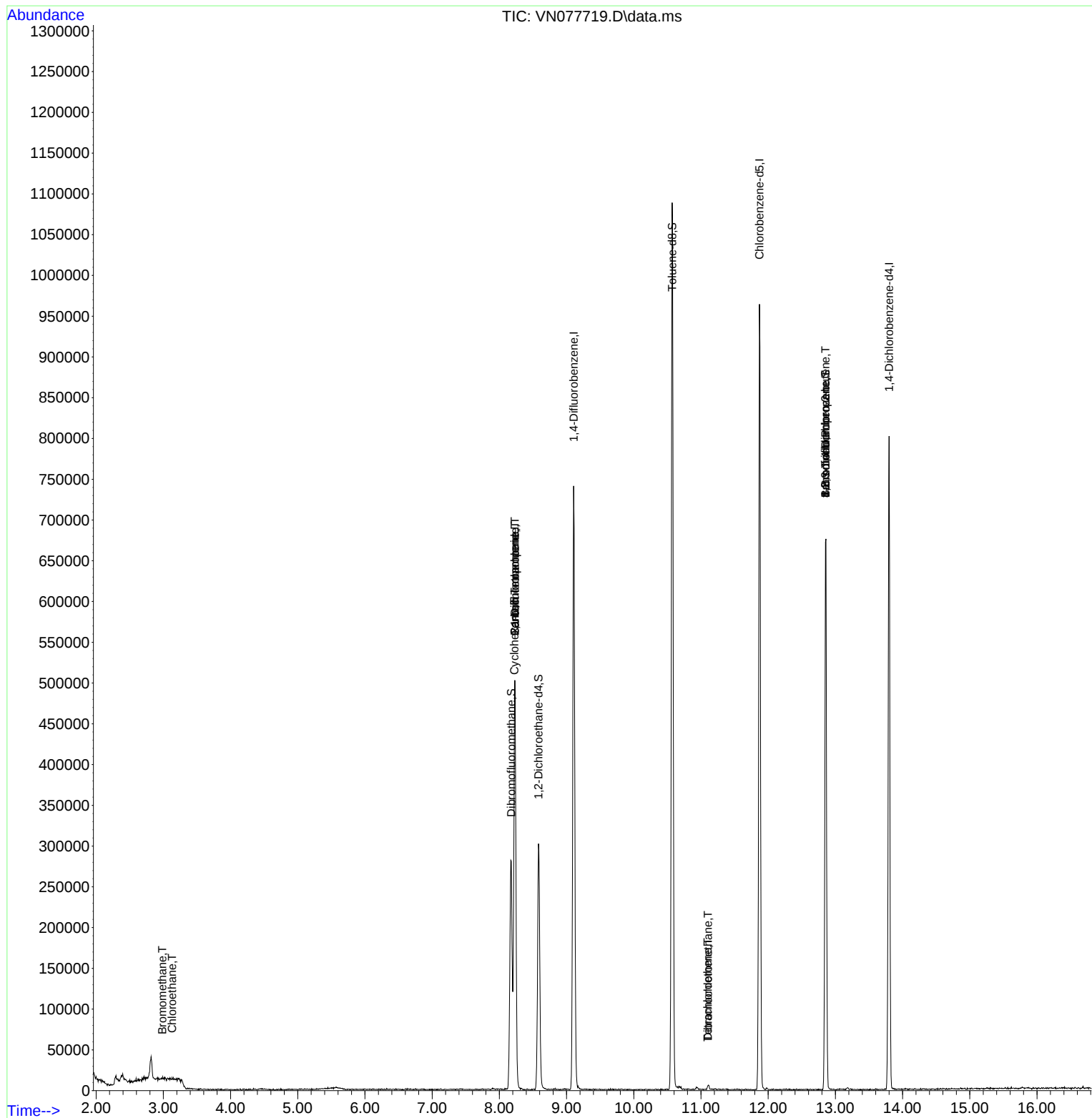
Internal Standards						
1) Pentafluorobenzene	8.230	168	350065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	645442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	557039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	205061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	250788	47.880	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.760%
35) Dibromofluoromethane	8.177	113	207474	49.295	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	10.571	98	786533	48.551	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.100%
62) 4-Bromofluorobenzene	12.853	95	244610	42.752	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1621	Below Cal	#	34
5) Bromomethane	2.983	94	1539	0.414	ug/l #	67
6) Chloroethane	3.130	64	1858	0.513	ug/l #	43
13) Acrolein	4.206	56	54	Below Cal	#	51
20) Methylene Chloride	5.295	84	197	Below Cal	#	13
31) Cyclohexane	8.224	56	9139	1.284	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	31260	5.078	ug/l #	47
38) Carbon Tetrachloride	8.230	117	39677	6.383	ug/l #	17
60) Dibromochloromethane	11.106	129	1190	0.257	ug/l #	11
64) Tetrachloroethene	11.100	164	1337	0.343	ug/l #	37
71) Bromoform	12.853	173	1277	0.459	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	134387	26.168	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	134387	83.648	ug/l #	15

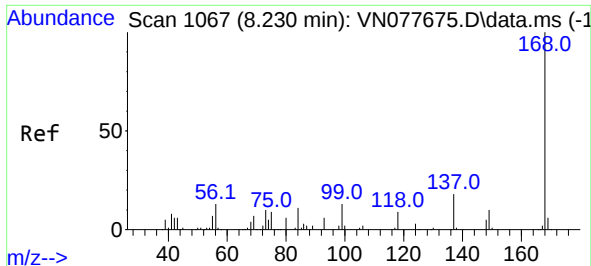
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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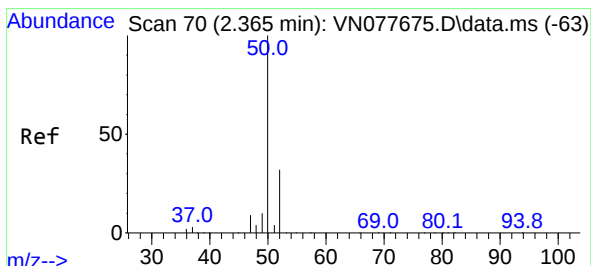
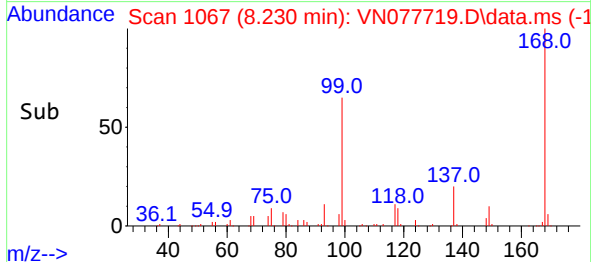
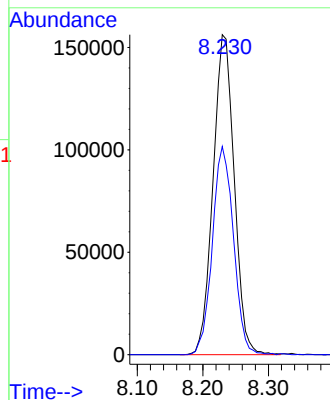
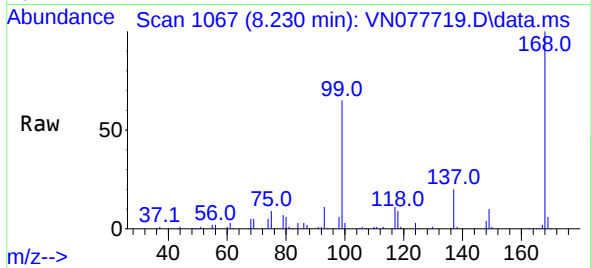




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

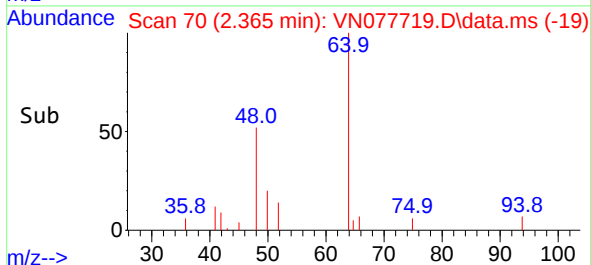
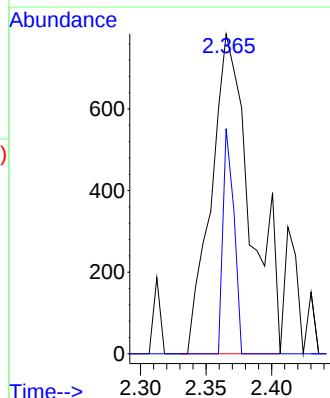
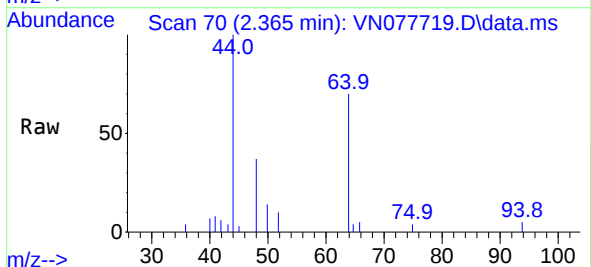
Instrument :
MSVOA_N
ClientSampleId :
MP-5

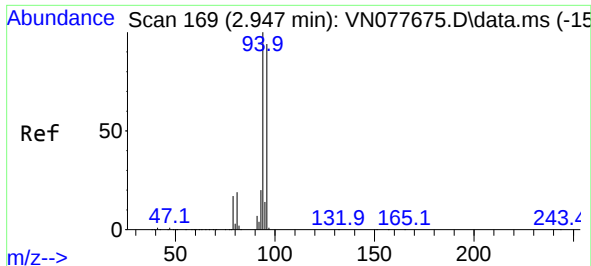
Tgt Ion:168 Resp: 350065
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Tgt Ion: 50 Resp: 1621
Ion Ratio Lower Upper
50 100
52 70.4 26.5 39.7#

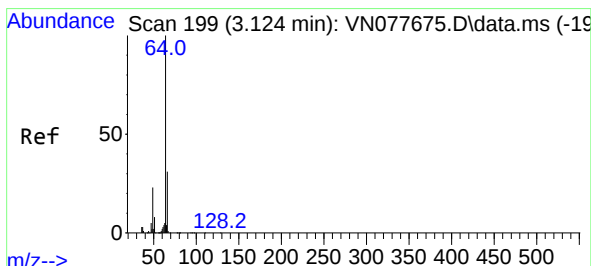
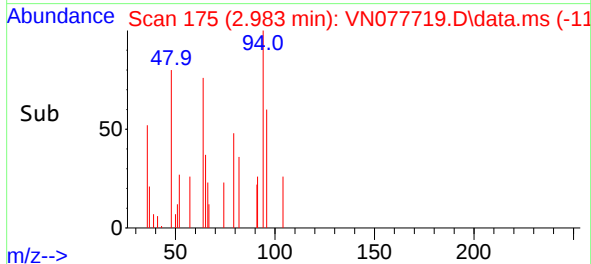
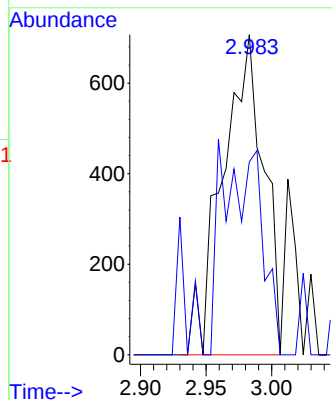
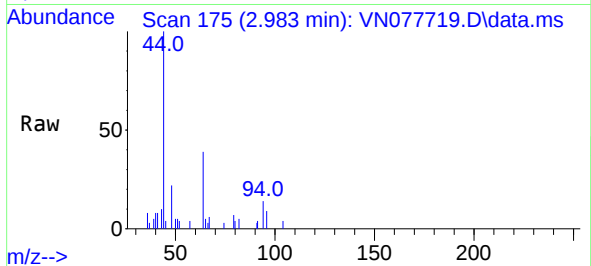




#5
Bromomethane
Concen: 0.414 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

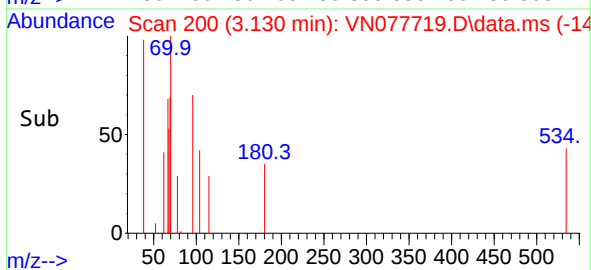
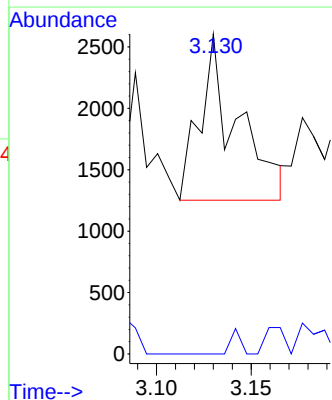
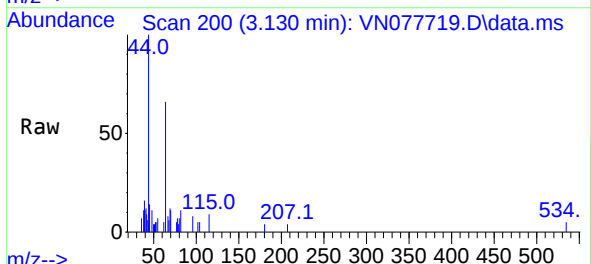
Instrument :
MSVOA_N
ClientSampleId :
MP-5

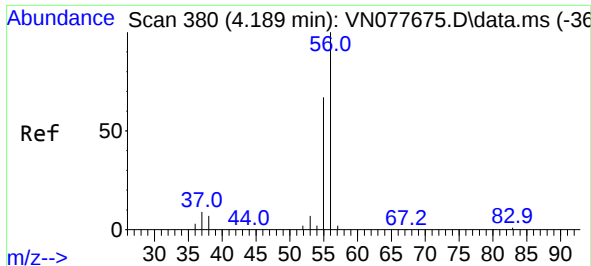
Tgt Ion: 94 Resp: 1539
Ion Ratio Lower Upper
94 100
96 60.3 73.1 109.7#



#6
Chloroethane
Concen: 0.513 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Tgt Ion: 64 Resp: 1858
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

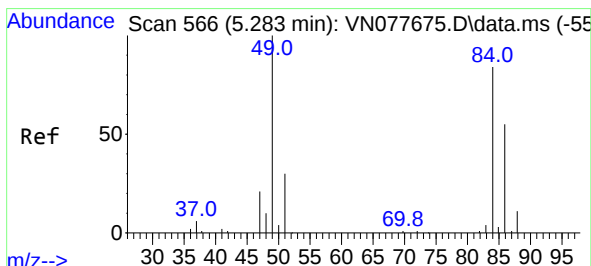
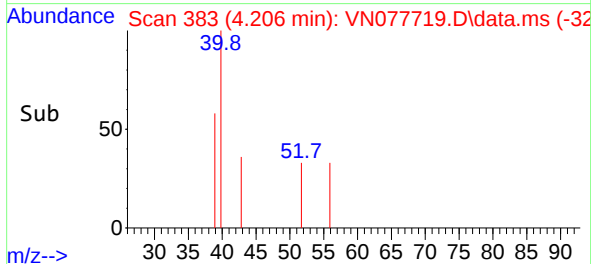
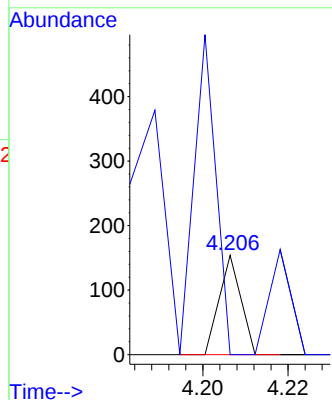
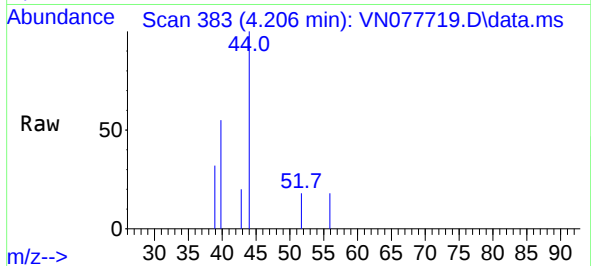




#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 31
Delta R.T. 0.017 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

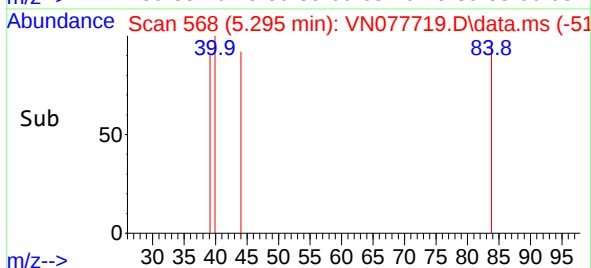
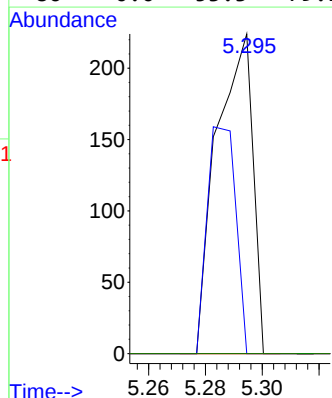
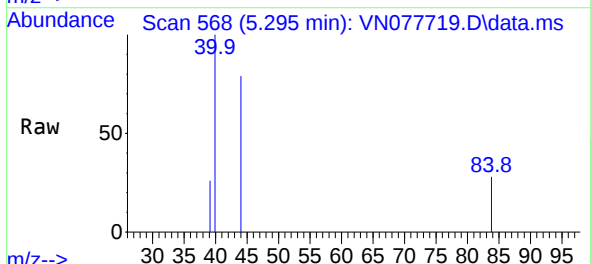
Instrument :
MSVOA_N
ClientSampleId :
MP-5

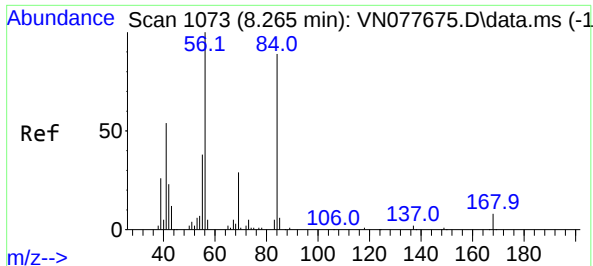
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 107.4 54.5 81.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 568
Delta R.T. 0.012 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Tgt Ion: 84 Resp: 197
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#

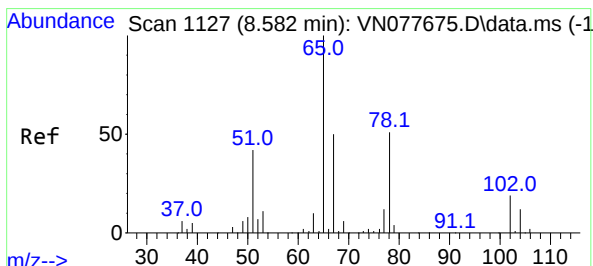
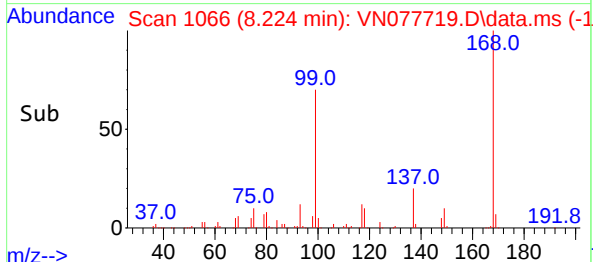
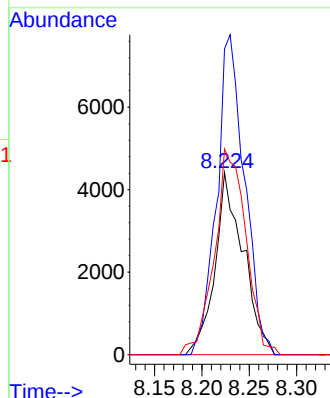
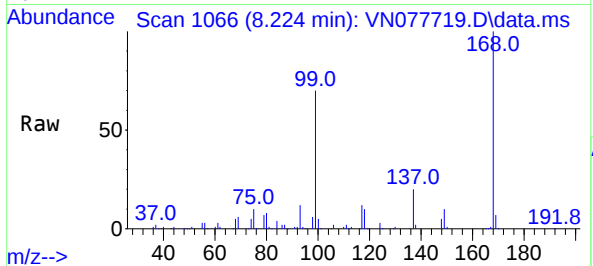




#31
Cyclohexane
Concen: 1.284 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

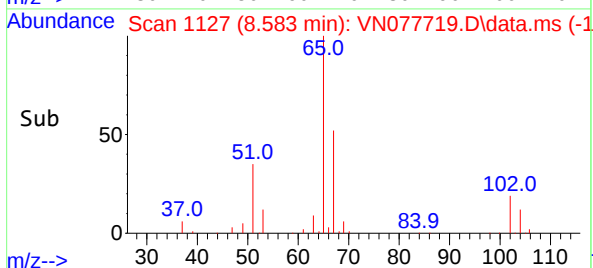
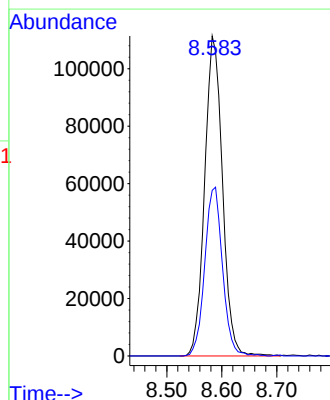
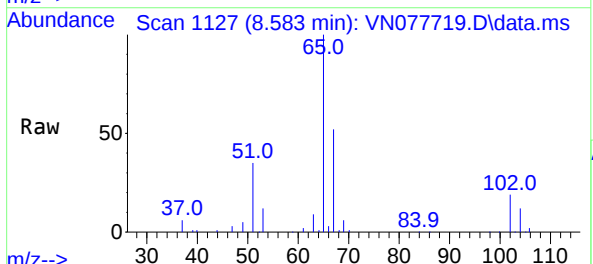
Instrument :
MSVOA_N
ClientSampleId :
MP-5

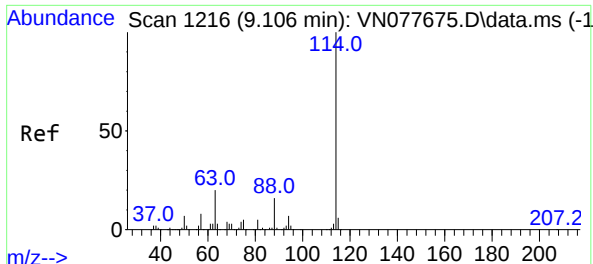
Tgt Ion: 56 Resp: 9139
Ion Ratio Lower Upper
56 100
69 168.1 26.8 40.2#
84 113.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.880 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Tgt Ion: 65 Resp: 250788
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6

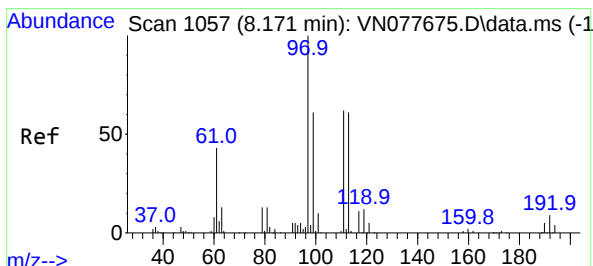
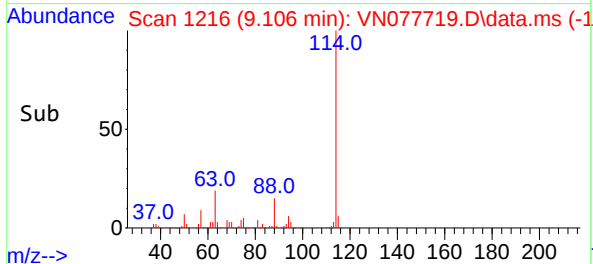
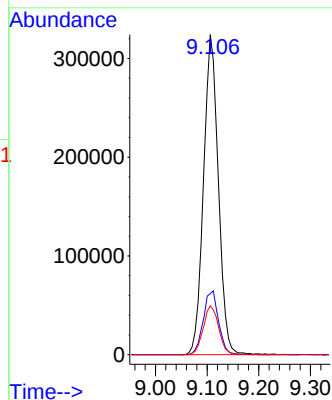
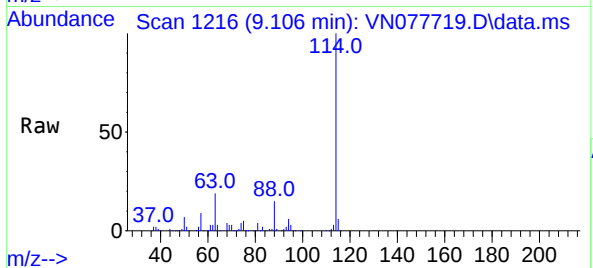




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

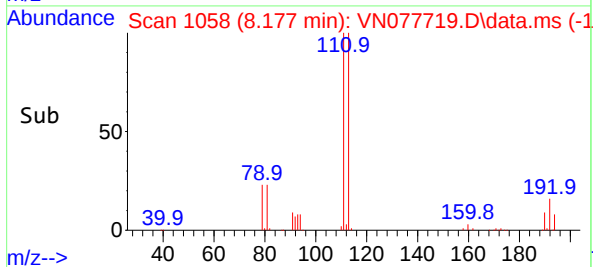
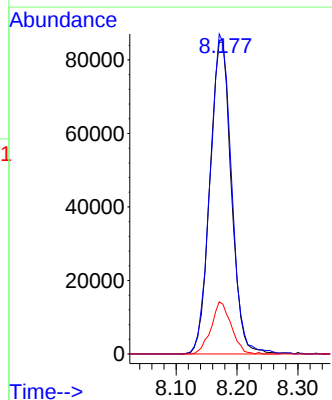
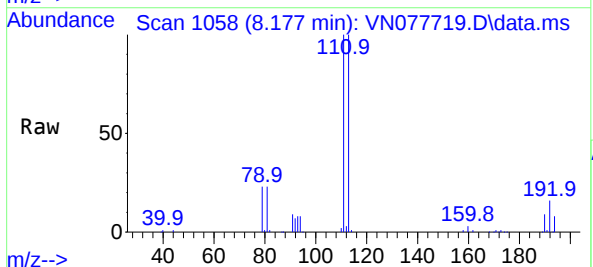
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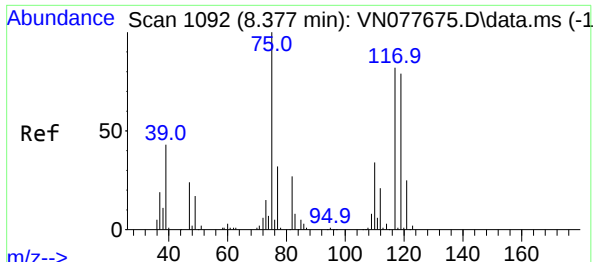
Tgt Ion:114 Resp: 645442
Ion Ratio Lower Upper
114 100
63 19.1 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.295 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Tgt Ion:113 Resp: 207474
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 15.5 12.7 19.1

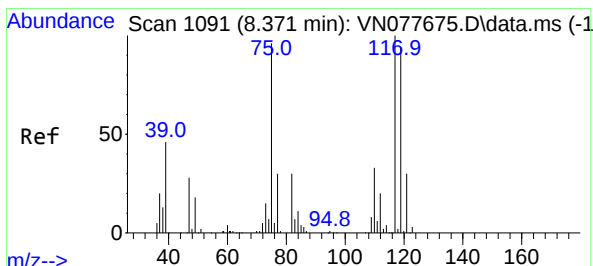
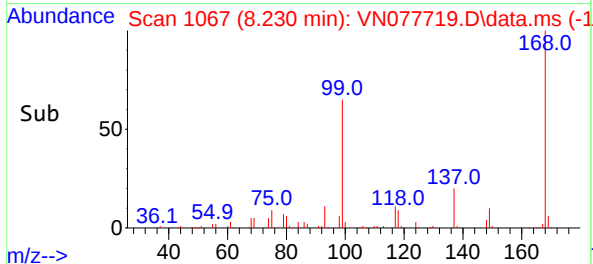
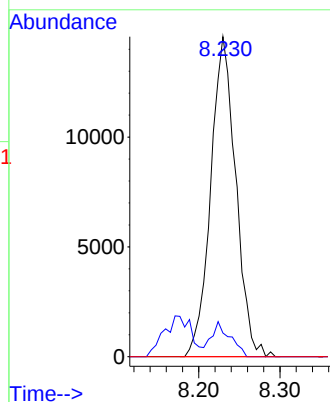
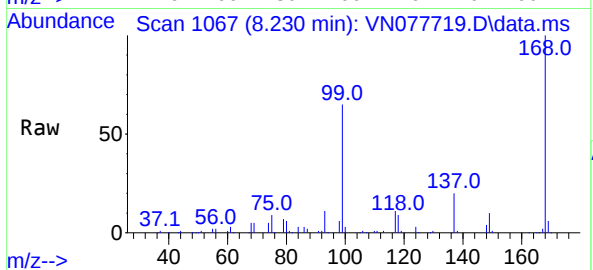




#36
1,1-Dichloropropene
Concen: 5.078 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

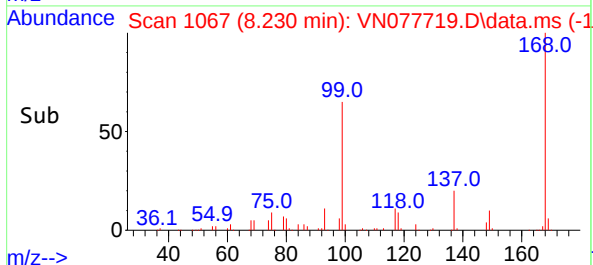
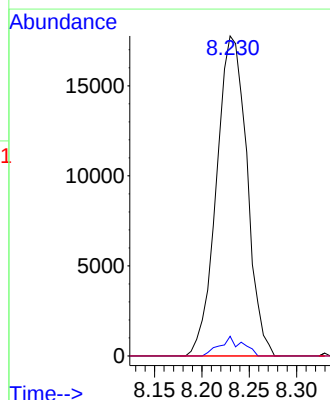
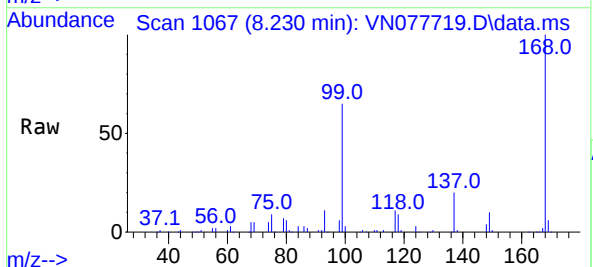
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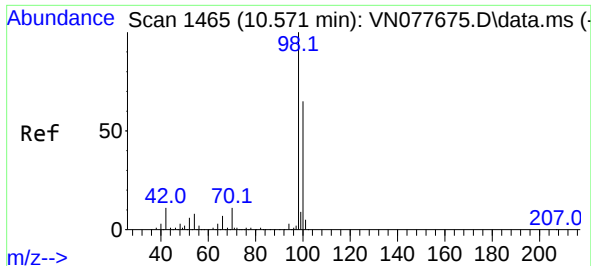
Tgt Ion: 75 Resp: 31260
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.383 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Tgt Ion: 117 Resp: 39677
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 23.3 34.9#

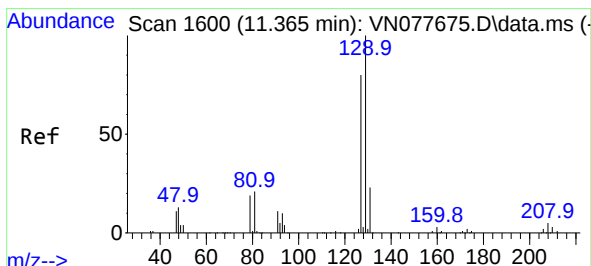
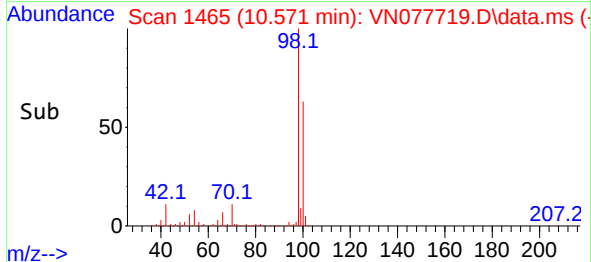
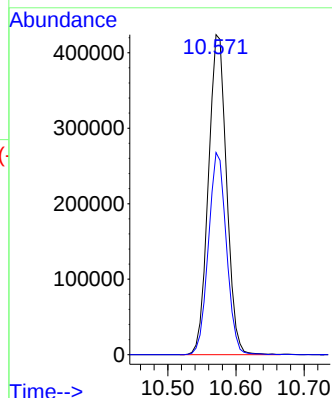
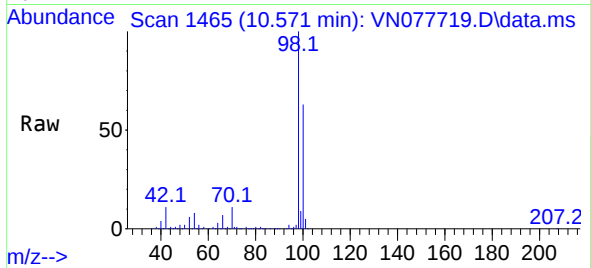




#50
Toluene-d8
Concen: 48.551 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

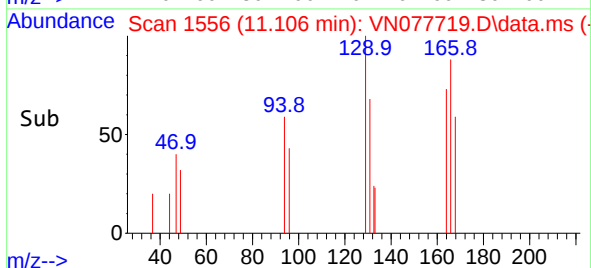
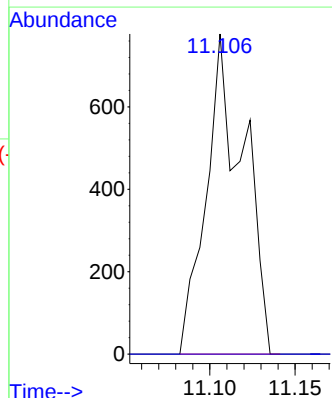
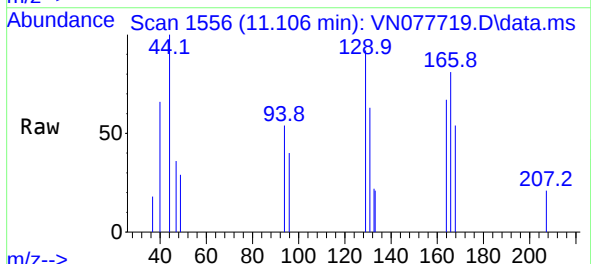
Instrument :
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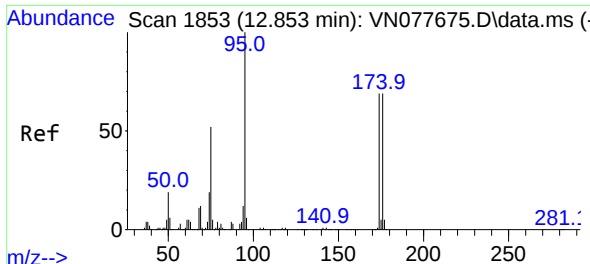
Tgt Ion: 98 Resp: 786533
Ion Ratio Lower Upper
98 100
100 62.5 52.0 78.0



#60
Dibromochloromethane
Concen: 0.257 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Tgt Ion:129 Resp: 1190
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

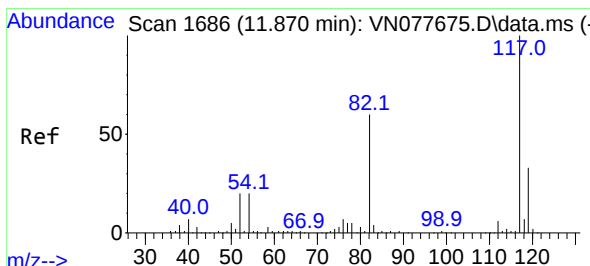
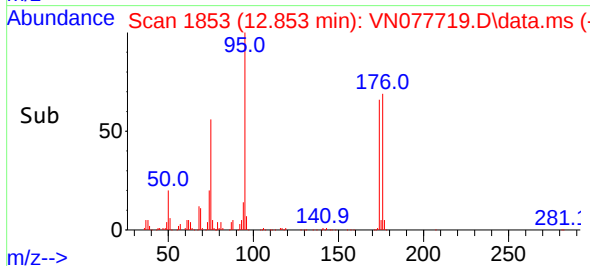
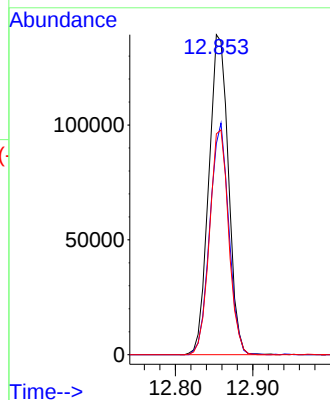
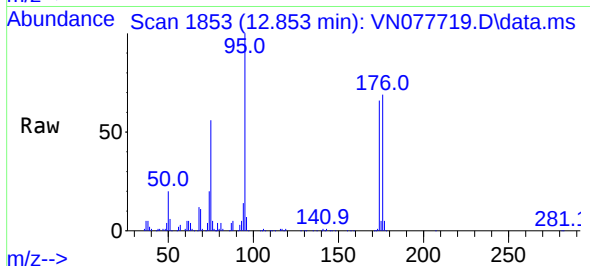




#62
4-Bromofluorobenzene
Concen: 42.752 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

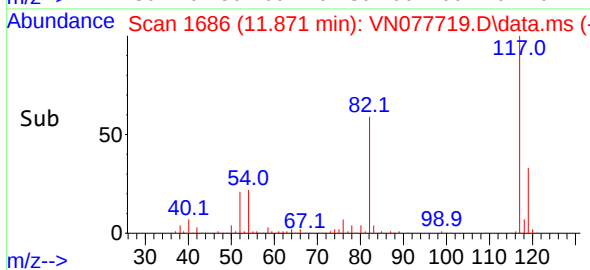
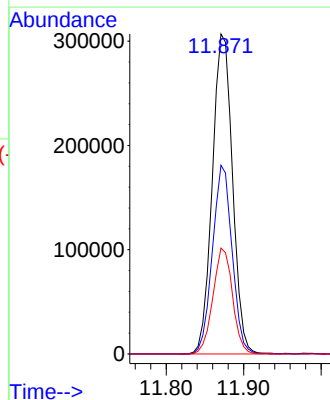
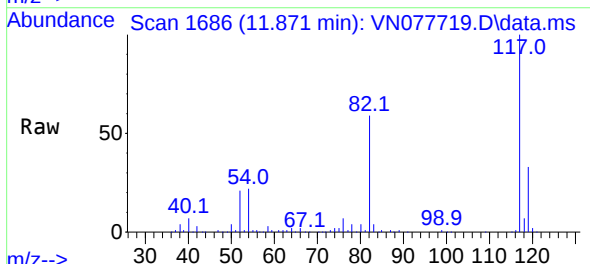
Instrument :
MSVOA_N
ClientSampleId :
MP-5

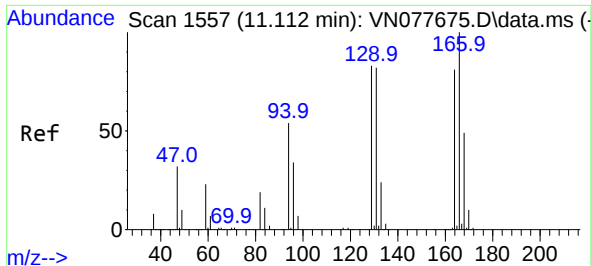
Tgt Ion: 95 Resp: 244610
Ion Ratio Lower Upper
95 100
174 70.0 0.0 143.8
176 68.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Tgt Ion: 117 Resp: 557039
Ion Ratio Lower Upper
117 100
82 59.0 44.0 66.0
119 33.1 25.6 38.4



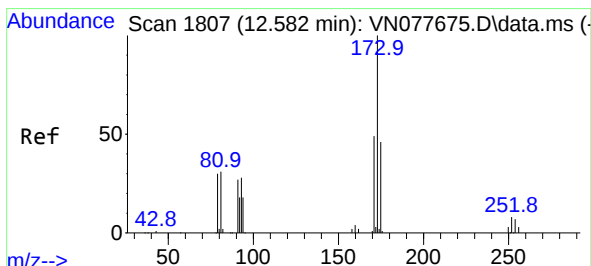
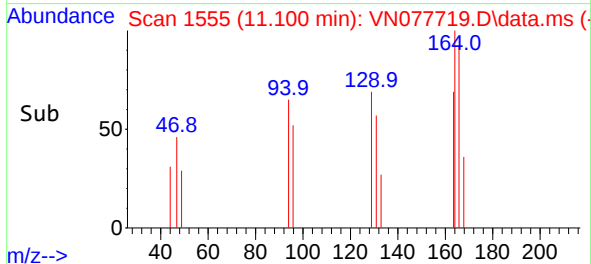
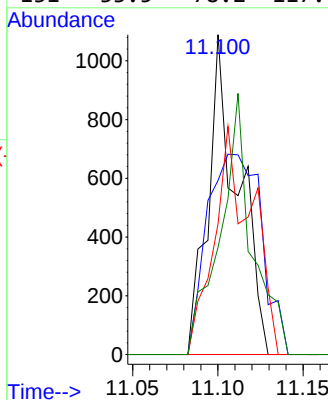
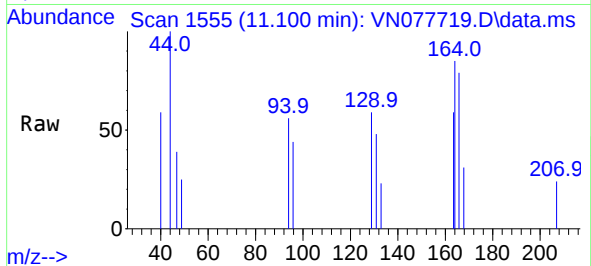


#64
Tetrachloroethene
Concen: 0.343 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Instrument :
MSVOA_N
ClientSampleId :
MP-5

Tgt Ion:164 Resp: 1337

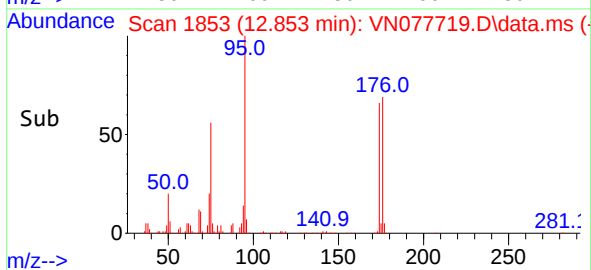
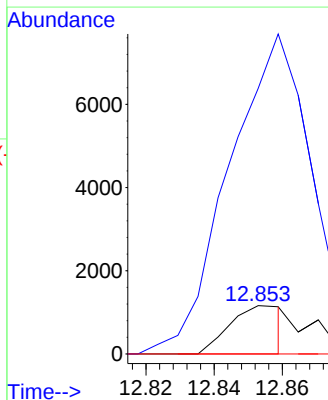
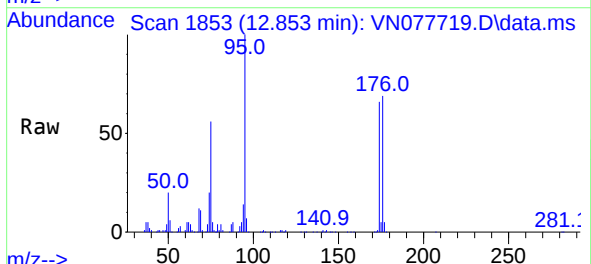
Ion	Ratio	Lower	Upper
164	100		
166	54.5	101.4	152.0#
129	40.9	82.4	123.6#
131	33.5	78.2	117.4#

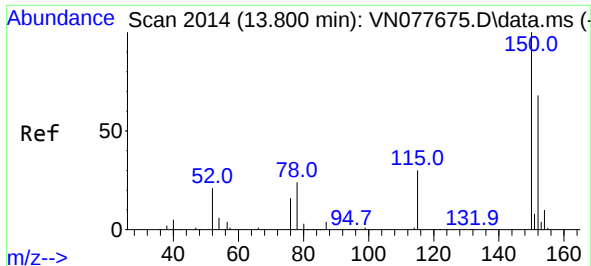


#71
Bromoform
Concen: 0.459 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

Tgt Ion:173 Resp: 1277

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.3	73.0#
254	0.0	0.0	0.0

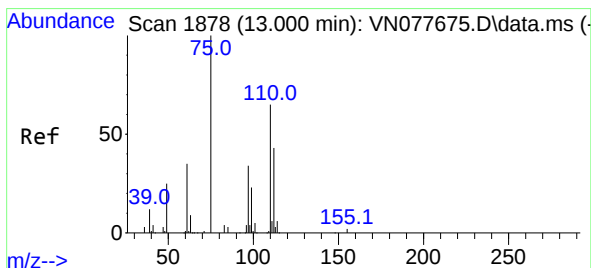
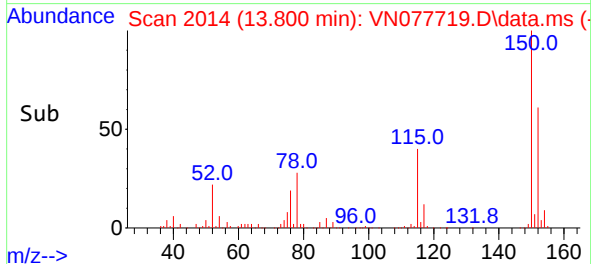
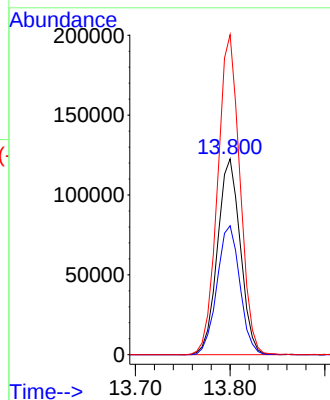
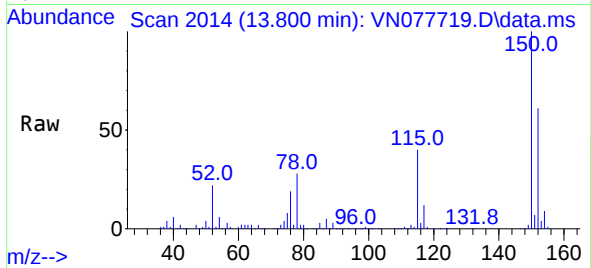




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 205061
Delta R.T. -0.000 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

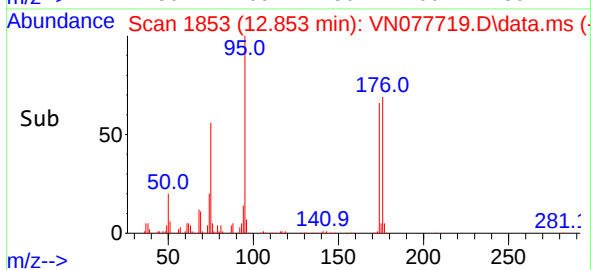
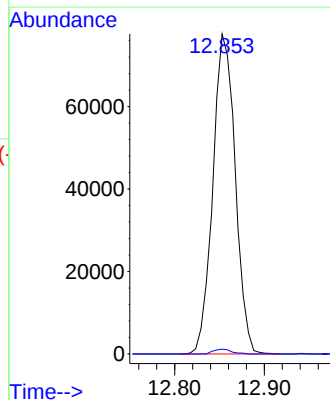
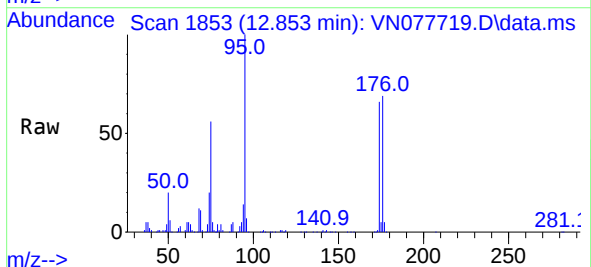
Instrument :
MSVOA_N
ClientSampleId :
MP-5

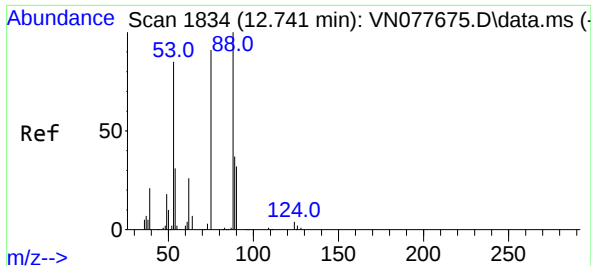
Tgt Ion:152 Resp: 205061
Ion Ratio Lower Upper
152 100
115 66.1 32.3 96.8
150 159.7 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 26.168 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077719.D
Acq: 17 May 2023 17:19

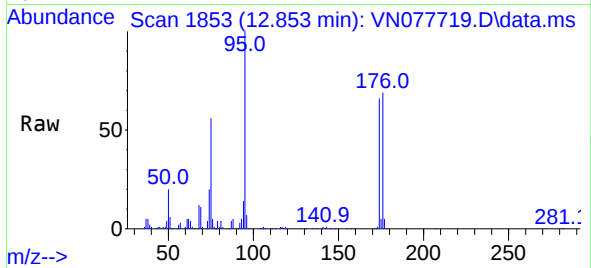
Tgt Ion: 75 Resp: 134387
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.648 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077719.D
 Acq: 17 May 2023 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-5



Tgt Ion: 75 Resp: 134387
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

