

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077715.D
 Acq On : 17 May 2023 15:43
 Operator : JC\MD
 Sample : 02831-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-1

Quant Time: May 18 01:39:42 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	8.236	168	360050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	639645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	556436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	207273	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	248567	46.140	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.280%
35) Dibromofluoromethane	8.171	113	205063	49.163	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.320%
50) Toluene-d8	10.571	98	782667	48.750	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.500%
62) 4-Bromofluorobenzene	12.859	95	247992	43.736	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.480%

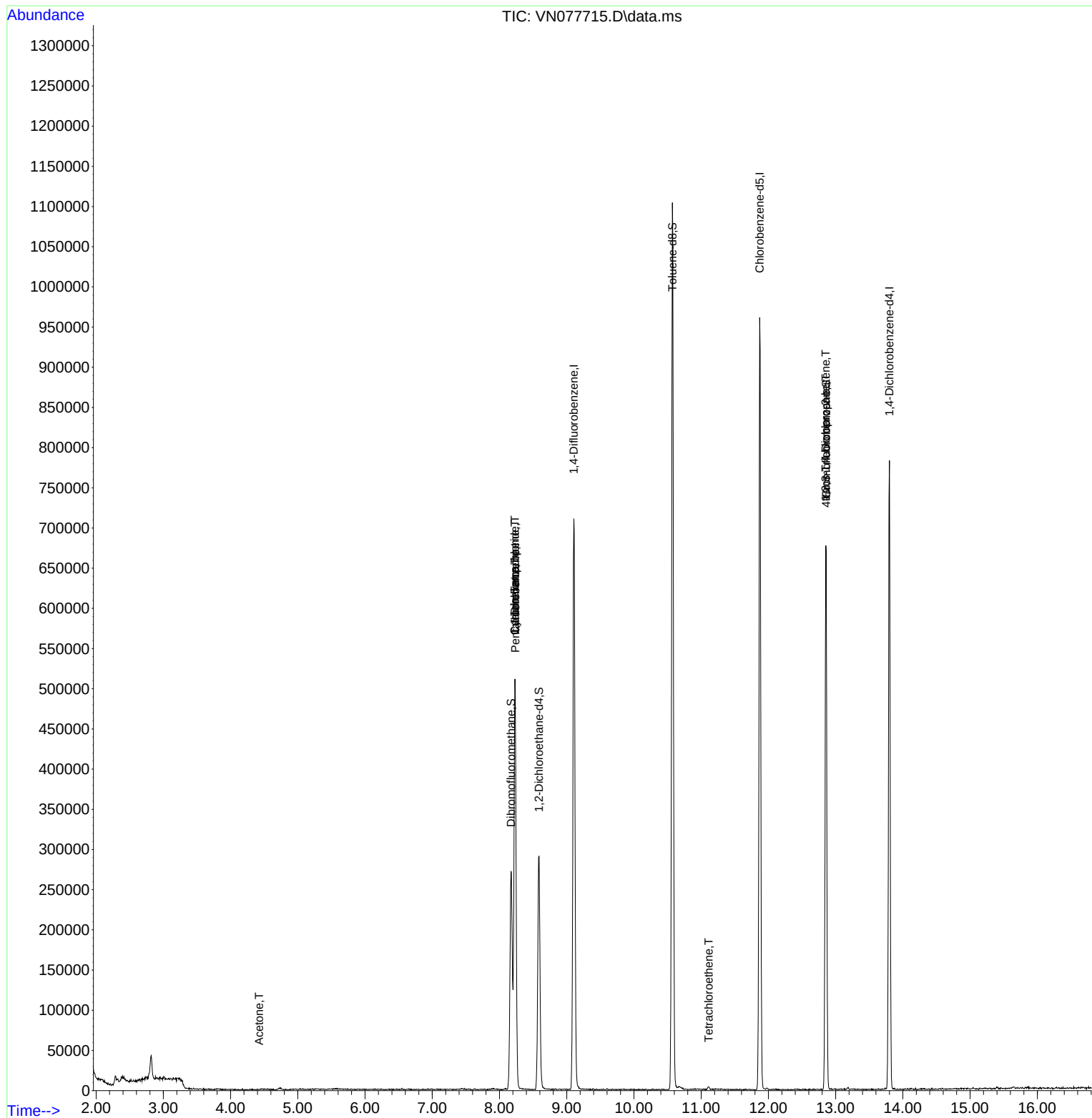
Target Compounds					Qvalue	
3) Chloromethane	2.360	50	1708	Below Cal	#	42
13) Acrolein	4.154	56	62	Below Cal	#	16
16) Acetone	4.424	43	429	0.253	ug/l #	40
20) Methylene Chloride	5.277	84	124	Below Cal	#	70
31) Cyclohexane	8.230	56	8733	1.193	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	31982	5.242	ug/l #	49
38) Carbon Tetrachloride	8.230	117	40940	6.646	ug/l #	15
64) Tetrachloroethene	11.112	164	826	0.212	ug/l #	72
76) 1,2,3-Trichloropropane	12.853	75	130326	25.107	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	130326	80.254	ug/l #	15

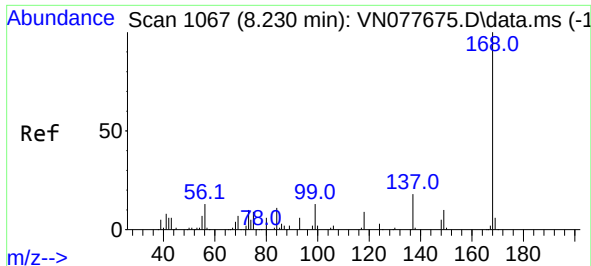
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

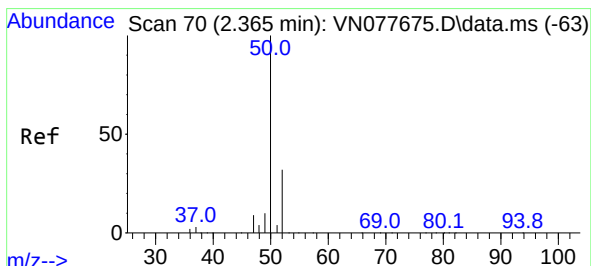
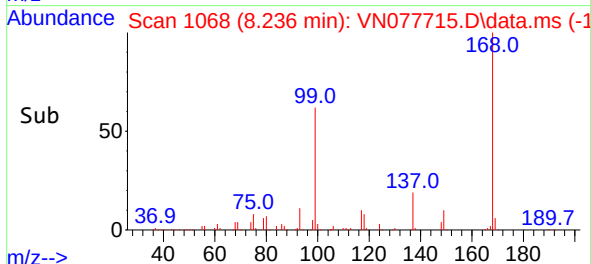
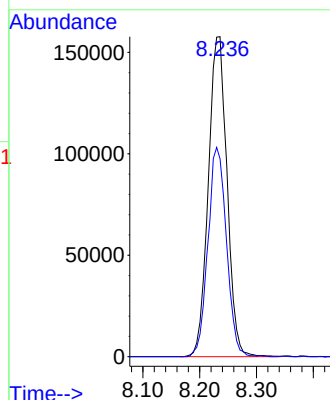
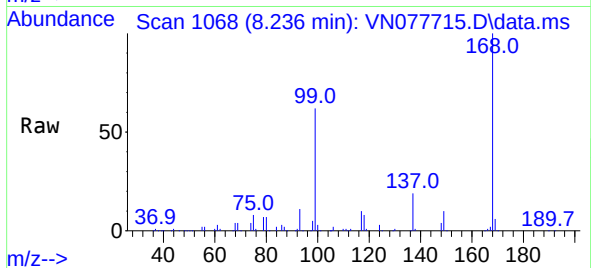




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

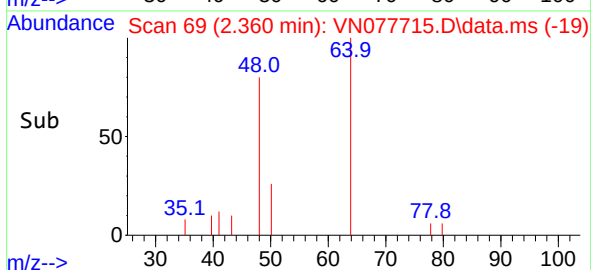
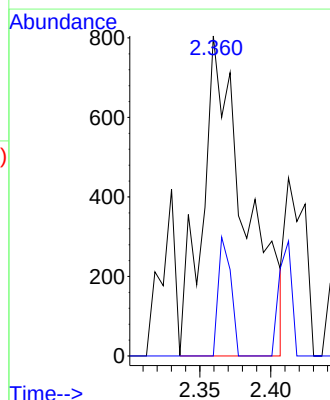
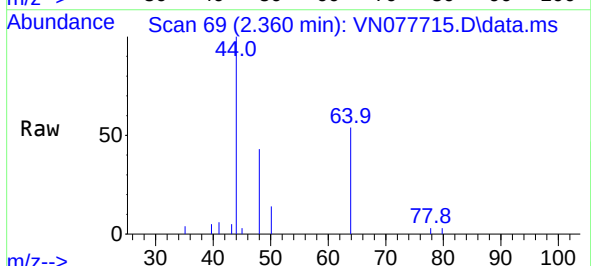
Instrument :
MSVOA_N
ClientSampleId :
MP-1

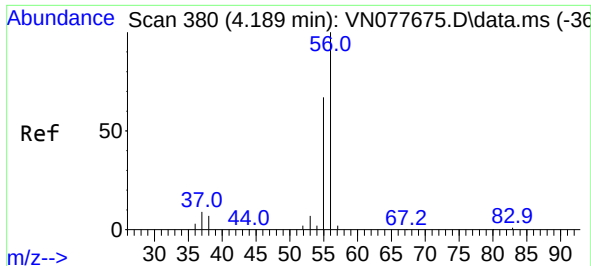
Tgt Ion:168 Resp: 360050
Ion Ratio Lower Upper
168 100
99 61.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 69
Delta R.T. -0.005 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Tgt Ion: 50 Resp: 1708
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

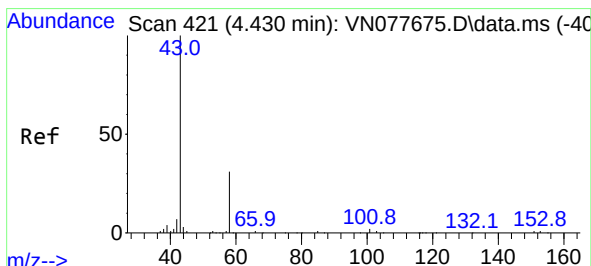
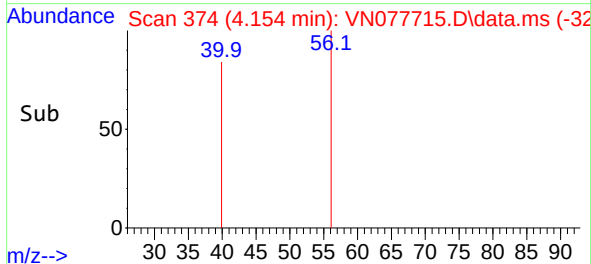
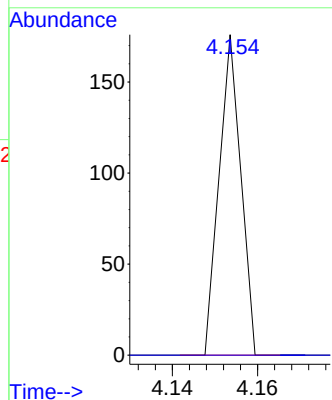
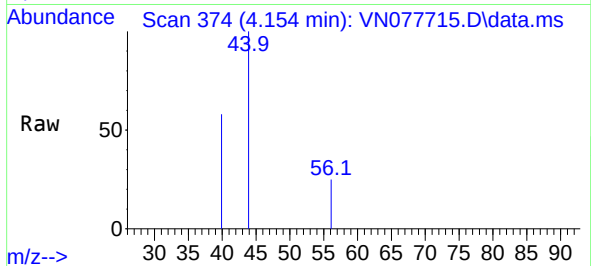




#13
Acrolein
Concen: Below Cal
RT: 4.154 min Scan# 31
Delta R.T. -0.035 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

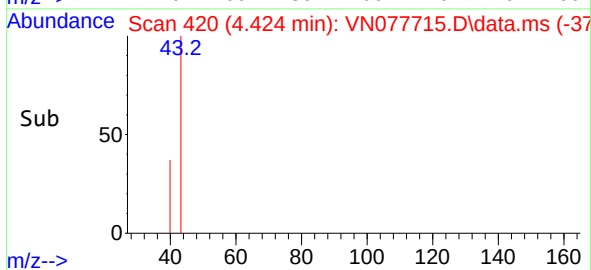
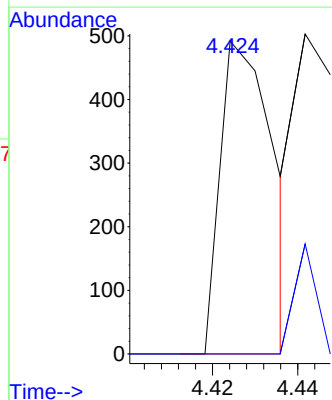
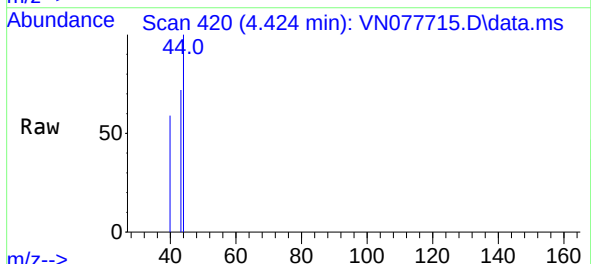
Instrument :
MSVOA_N
ClientSampleId :
MP-1

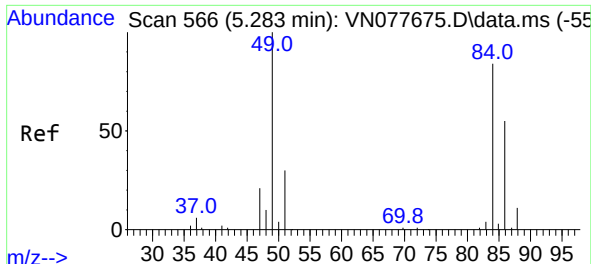
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 0.253 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 5

Delta R.T. -0.006 min

Lab File: VN077715.D

Acq: 17 May 2023 15:43

Instrument :

MSVOA_N

ClientSampleId :

MP-1

Tgt Ion: 84 Resp: 124

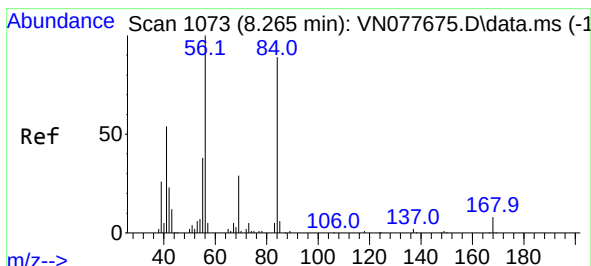
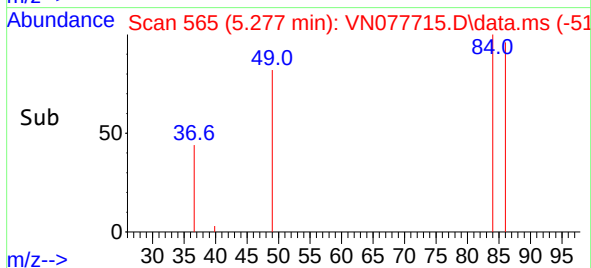
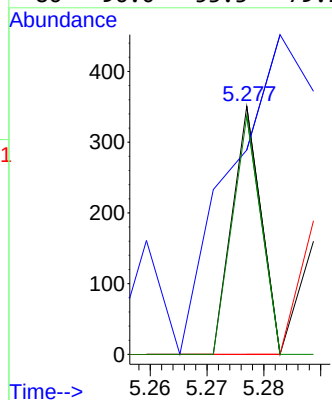
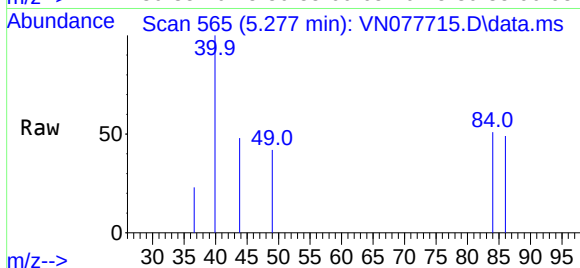
Ion Ratio Lower Upper

84 100

49 82.3 79.7 119.5

51 0.0 25.2 37.8#

86 96.0 53.3 79.9#



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN077715.D

Acq: 17 May 2023 15:43

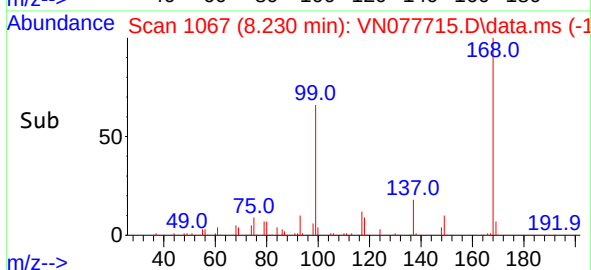
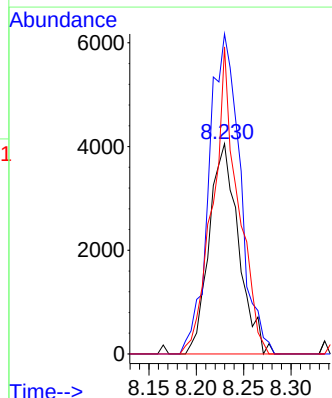
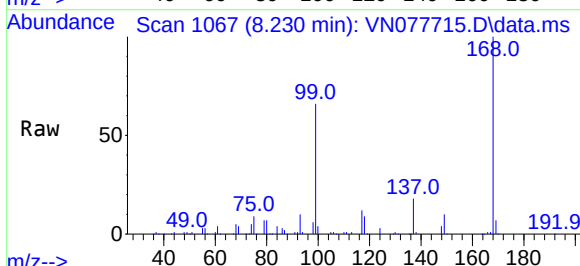
Tgt Ion: 56 Resp: 8733

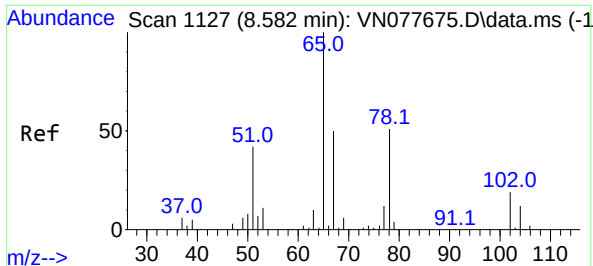
Ion Ratio Lower Upper

56 100

69 152.2 26.8 40.2#

84 146.0 81.8 122.6#

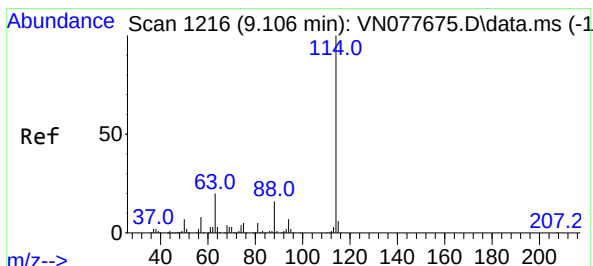
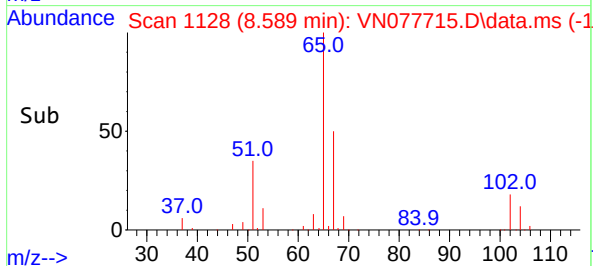
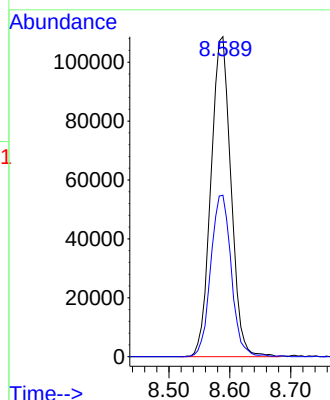
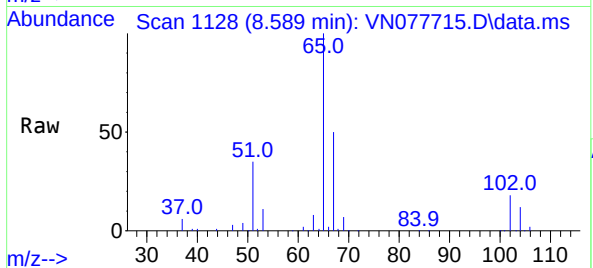




#33
1,2-Dichloroethane-d4
Concen: 46.140 ug/l
RT: 8.589 min Scan# 1127
Delta R.T. 0.007 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

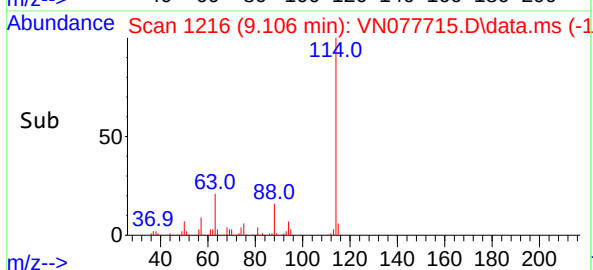
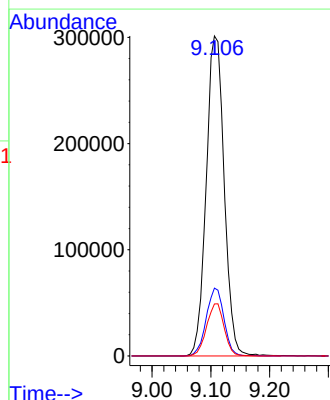
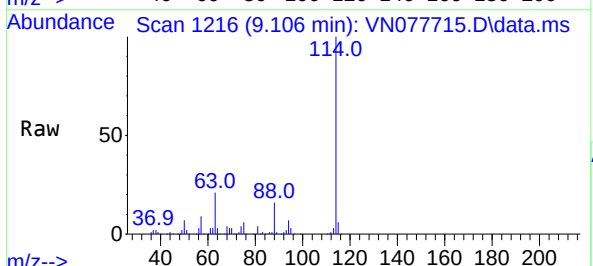
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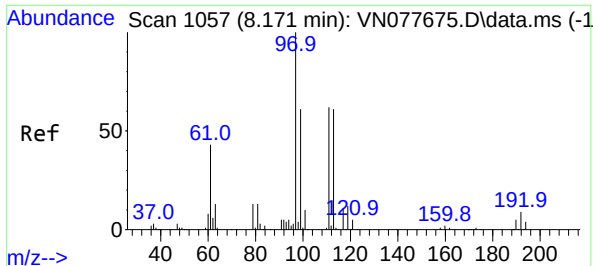
Tgt Ion: 65 Resp: 248567
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Tgt Ion: 114 Resp: 639645
Ion Ratio Lower Upper
114 100
63 21.2 0.0 36.4
88 16.2 0.0 30.6

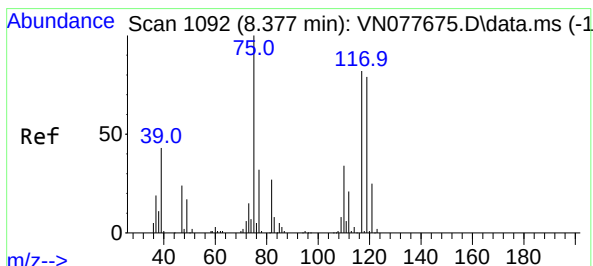
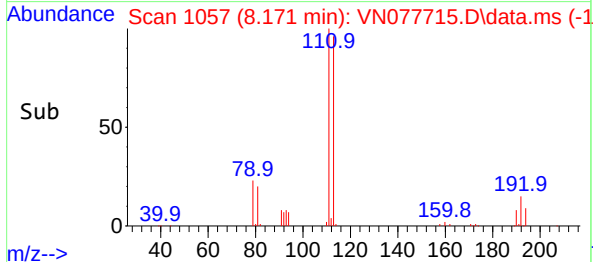
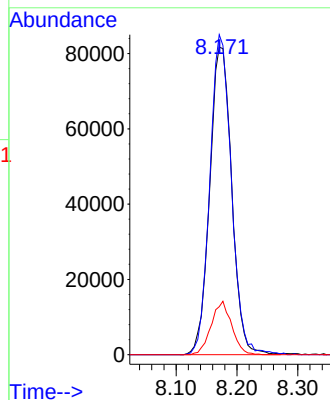
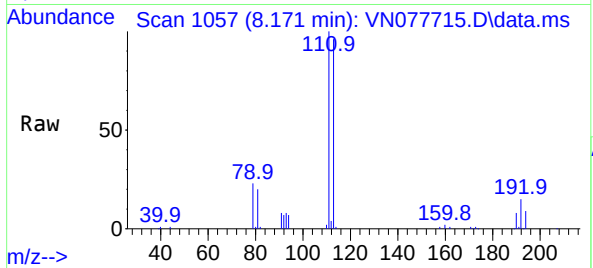




#35
Dibromofluoromethane
Concen: 49.163 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

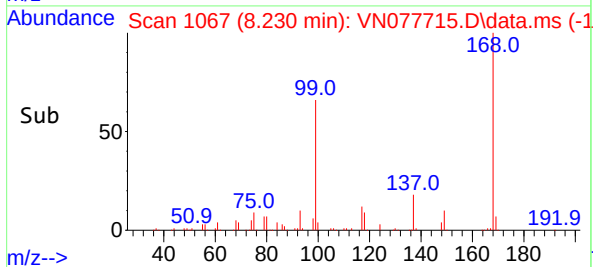
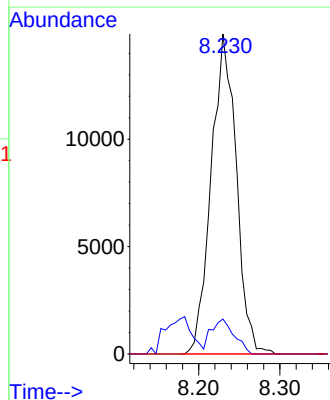
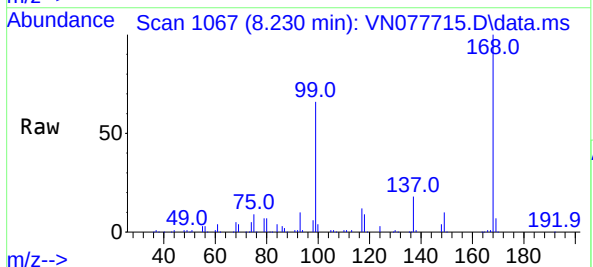
Instrument :
MSVOA_N
ClientSampleId :
MP-1

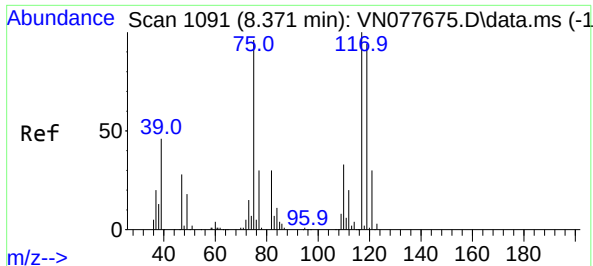
Tgt Ion:113 Resp: 205063
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 16.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.242 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Tgt Ion: 75 Resp: 31982
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.3#
77 0.0 25.0 37.4#

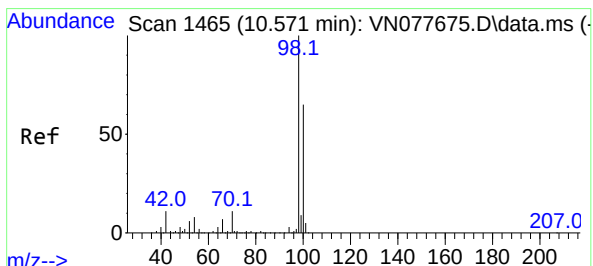
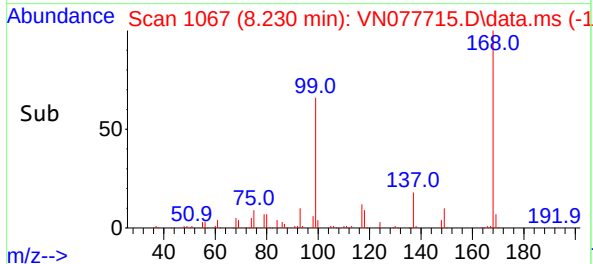
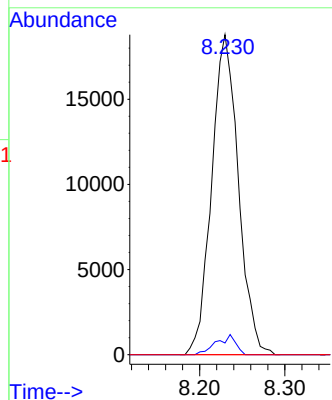
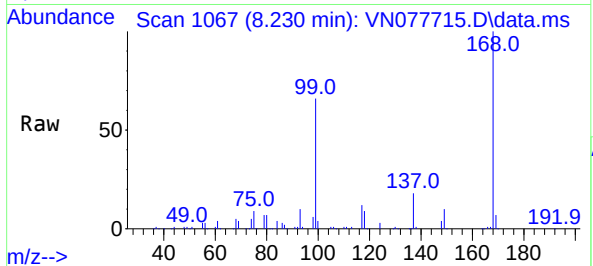




#38
Carbon Tetrachloride
Concen: 6.646 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

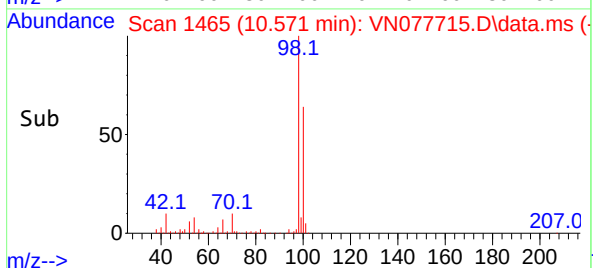
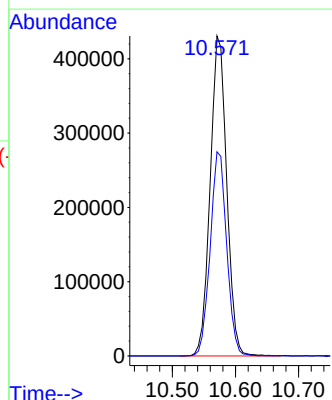
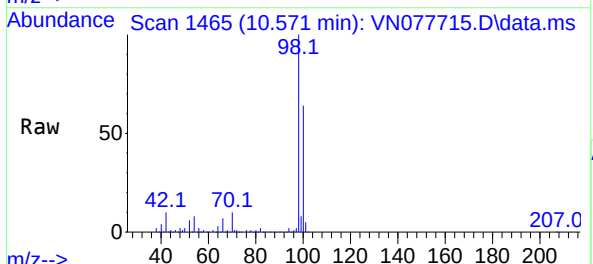
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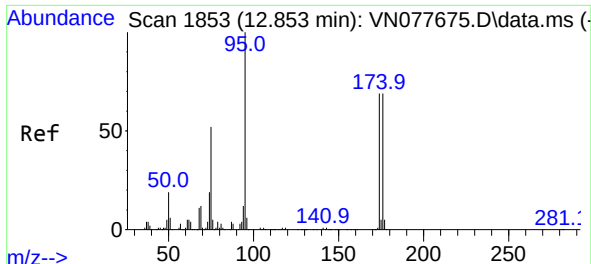
Tgt Ion:117 Resp: 40940
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 48.750 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Tgt Ion: 98 Resp: 782667
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

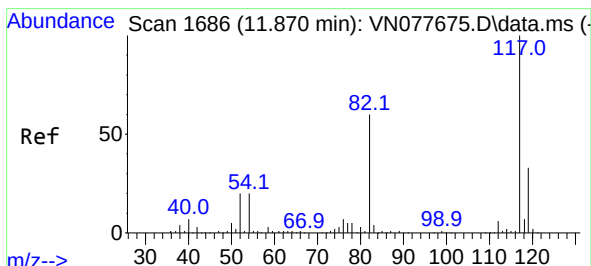
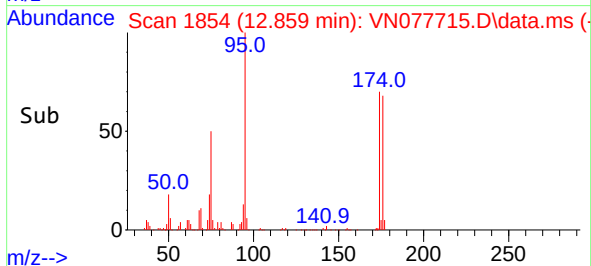
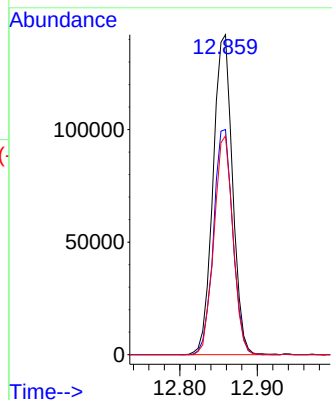
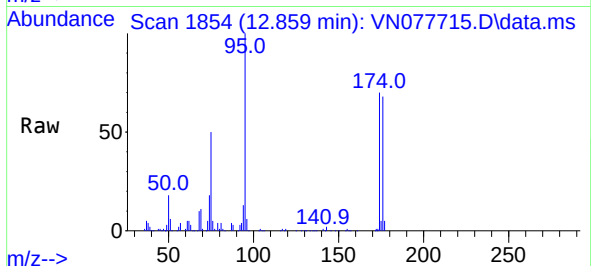




#62
4-Bromofluorobenzene
Concen: 43.736 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

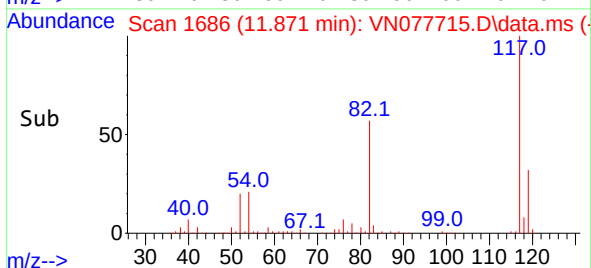
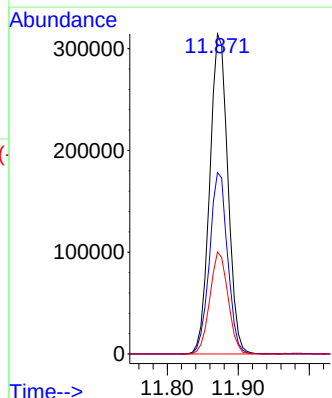
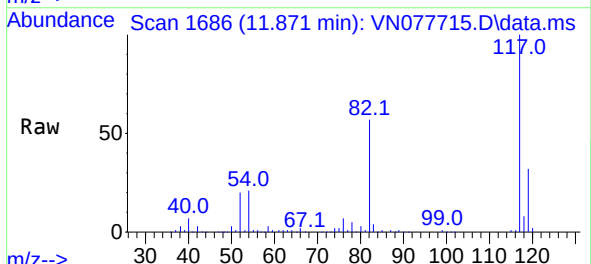
Instrument :
MSVOA_N
ClientSampleId :
MP-1

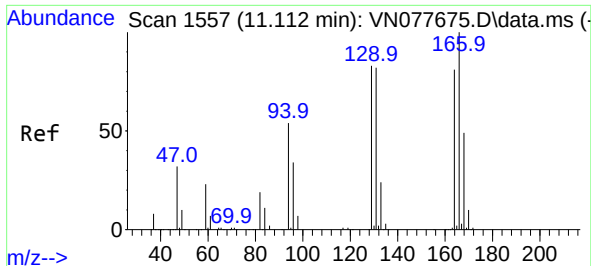
Tgt Ion:	95	Resp:	247992
Ion	Ratio	Lower	Upper
95	100		
174	69.7	0.0	143.8
176	66.7	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Tgt Ion:	117	Resp:	556436
Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.0	66.0
119	31.9	25.6	38.4



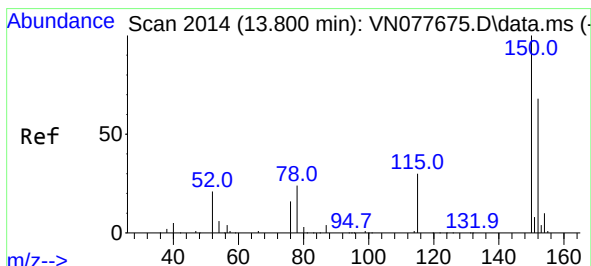
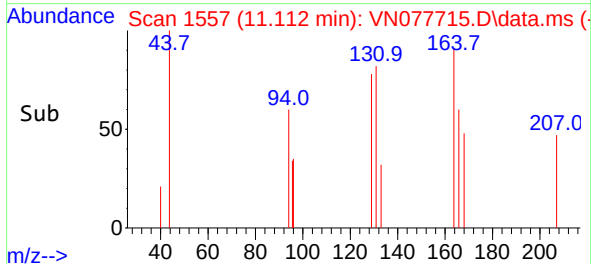
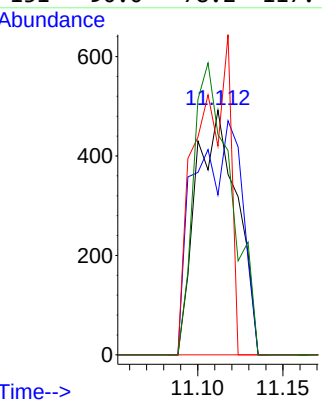
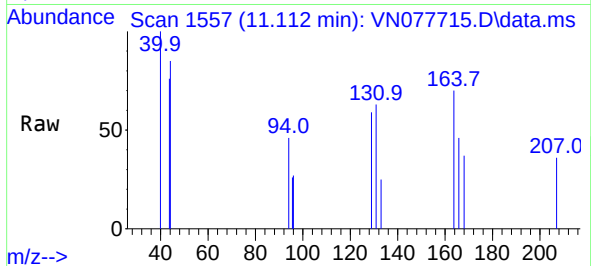


#64
Tetrachloroethene
Concen: 0.212 ug/l
RT: 11.112 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Instrument :
MSVOA_N
ClientSampleId :
MP-1

Tgt Ion:164 Resp: 826

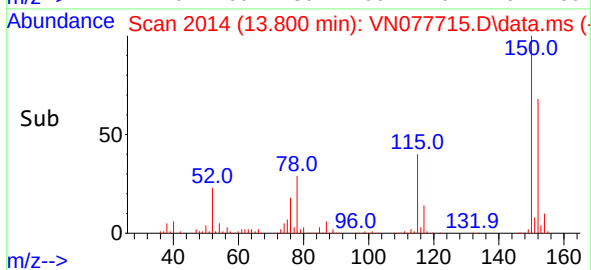
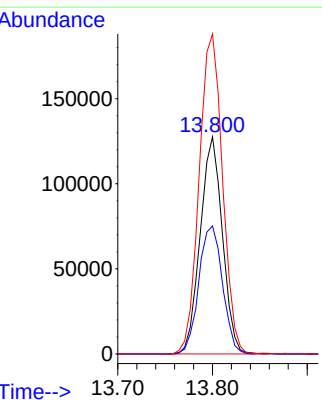
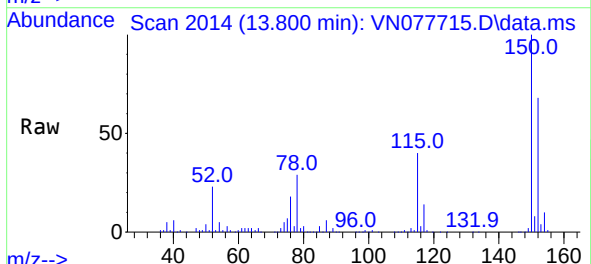
Ion	Ratio	Lower	Upper
164	100		
166	65.4	101.4	152.0#
129	85.4	82.4	123.6
131	90.0	78.2	117.4

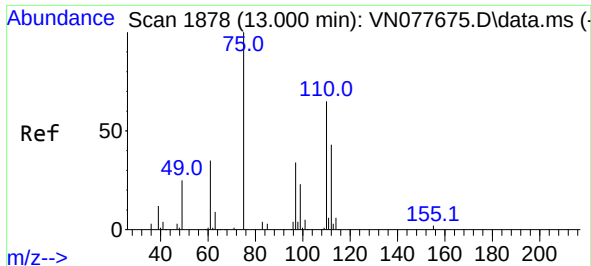


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Tgt Ion:152 Resp: 207273

Ion	Ratio	Lower	Upper
152	100		
115	62.9	32.3	96.8
150	155.0	0.0	355.8

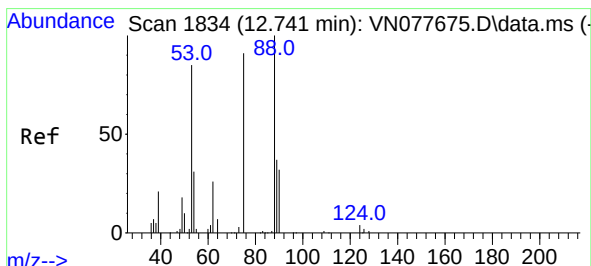
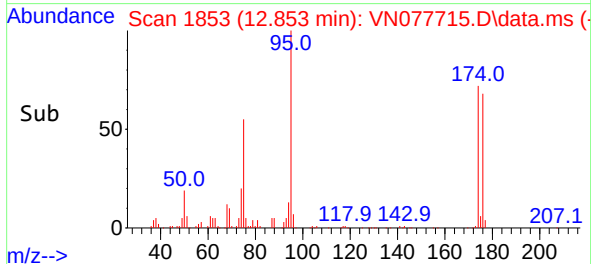
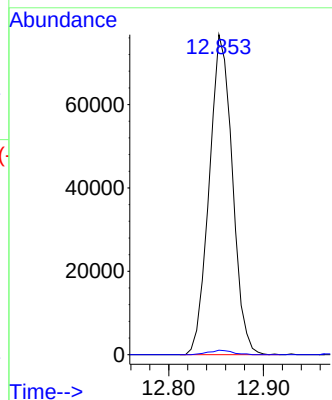
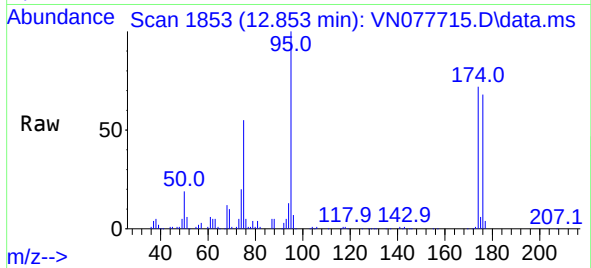




#76
1,2,3-Trichloropropane
Concen: 25.107 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Instrument :
MSVOA_N
ClientSampleId :
MP-1

Tgt Ion: 75 Resp: 130326
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.254 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077715.D
Acq: 17 May 2023 15:43

Tgt Ion: 75 Resp: 130326
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

