

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077716.D
 Acq On : 17 May 2023 16:07
 Operator : JC\MD
 Sample : 02831-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-2

Quant Time: May 18 01:39:50 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	357976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	653425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	579936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	223983	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	246873	46.091	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.180%
35) Dibromofluoromethane	8.171	113	207670	48.738	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.480%
50) Toluene-d8	10.571	98	811861	49.502	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.000%
62) 4-Bromofluorobenzene	12.853	95	264734	45.704	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.400%

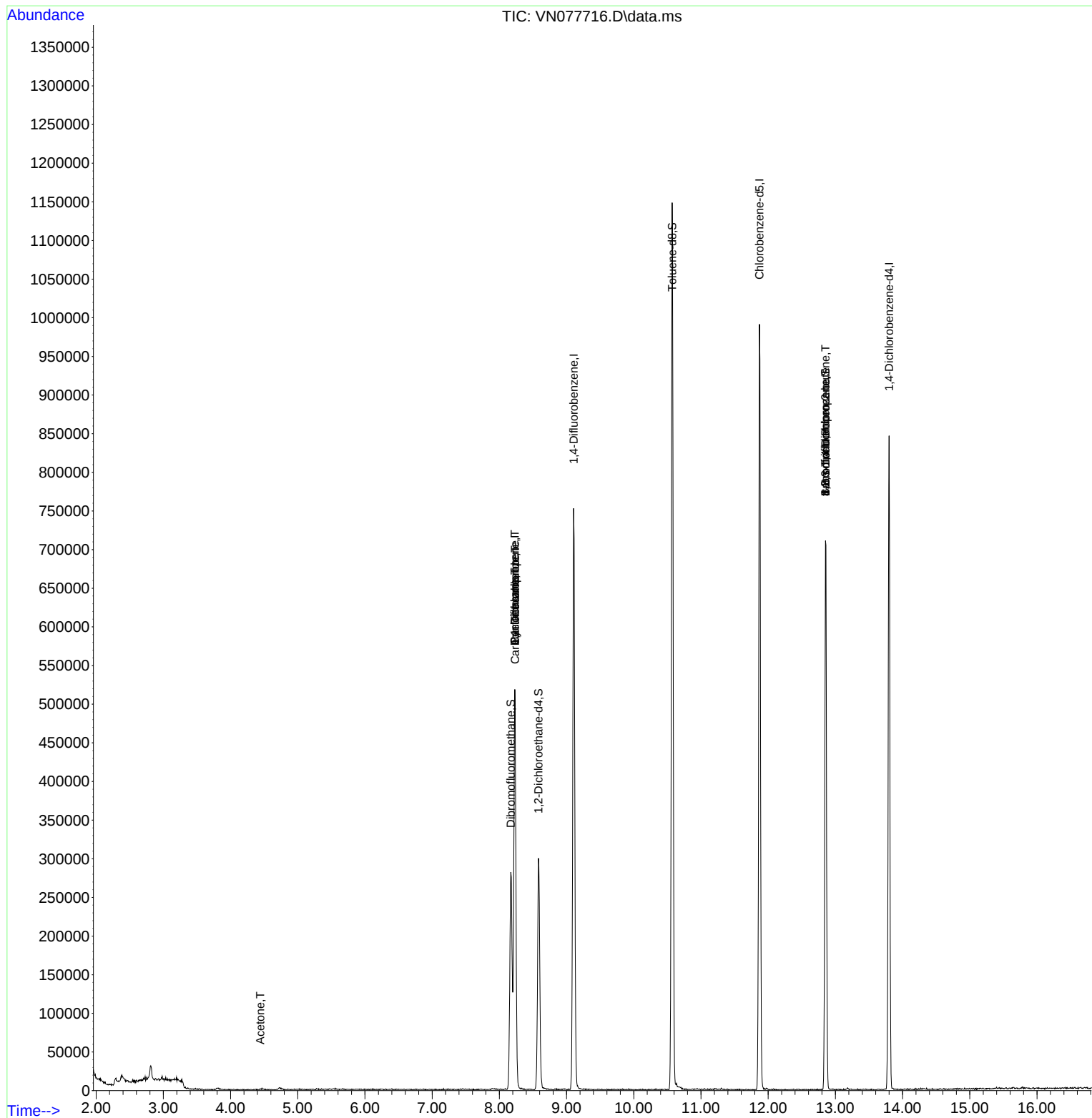
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.371	50	1854	Below Cal	#	43
13) Acrolein	4.389	56	64	Below Cal	#	51
16) Acetone	4.442	43	793	0.471	ug/l	92
20) Methylene Chloride	5.277	84	82	Below Cal	#	48
31) Cyclohexane	8.230	56	8816	1.211	ug/l	# 20
36) 1,1-Dichloropropene	8.230	75	32407	5.200	ug/l	# 48
38) Carbon Tetrachloride	8.235	117	40251	6.396	ug/l	# 16
71) Bromoform	12.853	173	1769	0.611	ug/l	# 28
76) 1,2,3-Trichloropropane	12.853	75	143173	25.524	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	143173	81.588	ug/l	# 15

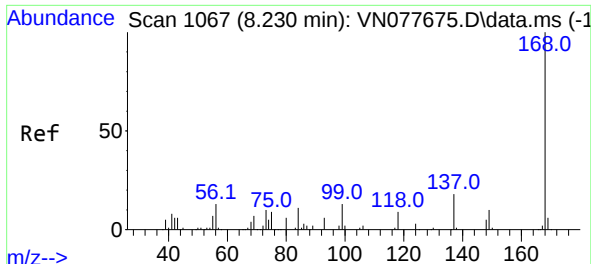
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

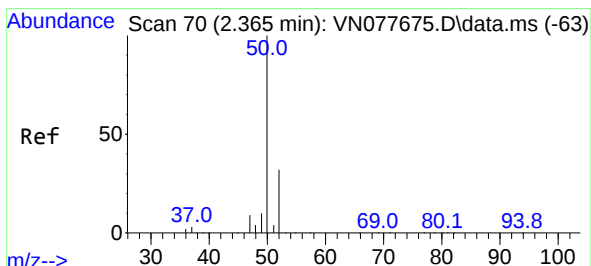
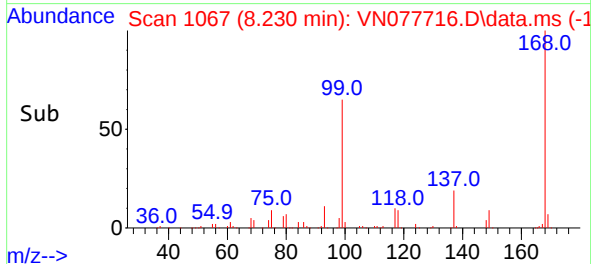
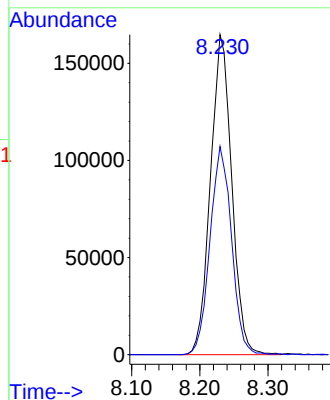
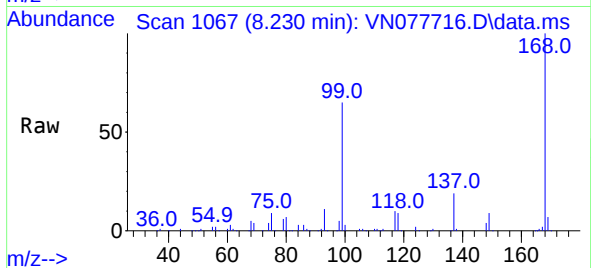




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

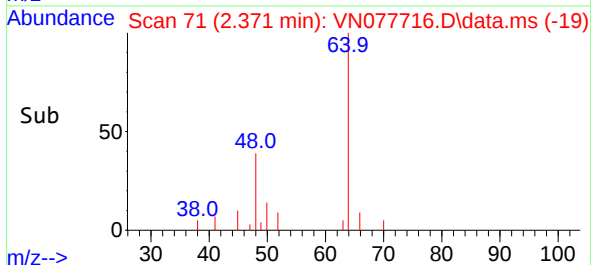
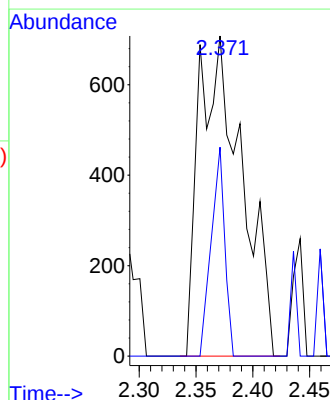
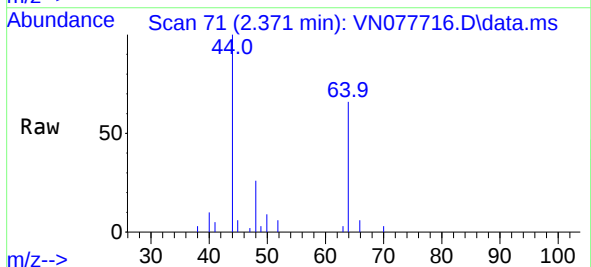
Instrument :
MSVOA_N
ClientSampleId :
MP-2

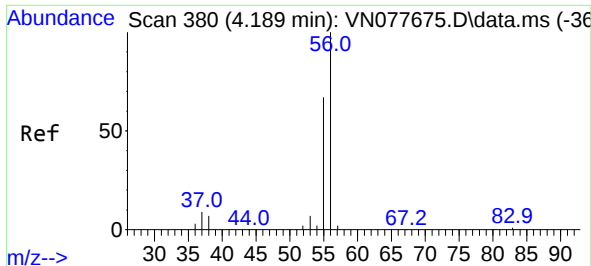
Tgt Ion:168 Resp: 357976
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Tgt Ion: 50 Resp: 1854
Ion Ratio Lower Upper
50 100
52 65.3 26.5 39.7#

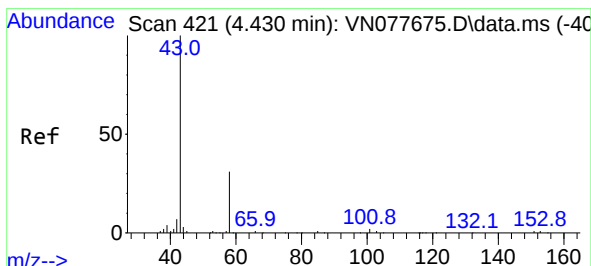
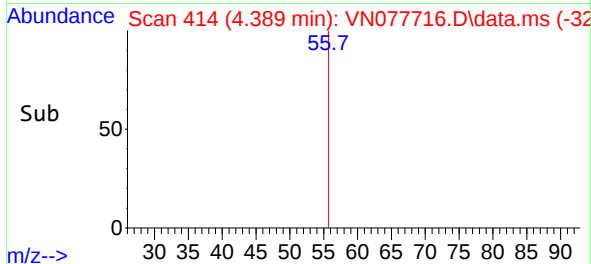
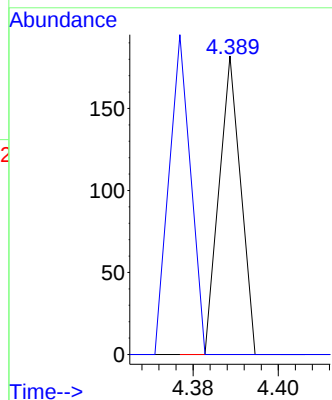
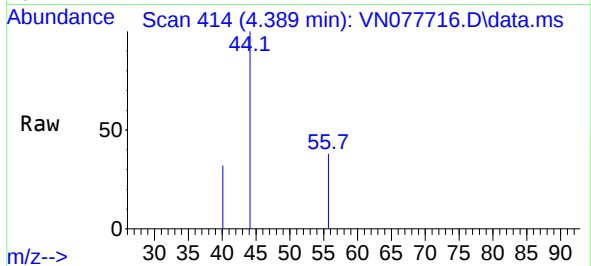




#13
Acrolein
Concen: Below Cal
RT: 4.389 min Scan# 411
Delta R.T. 0.200 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

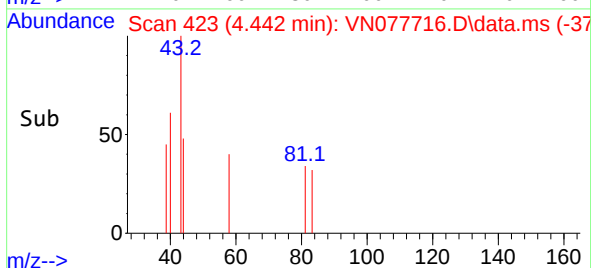
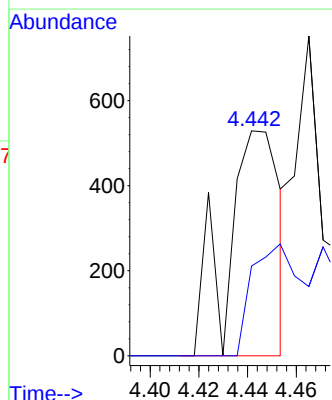
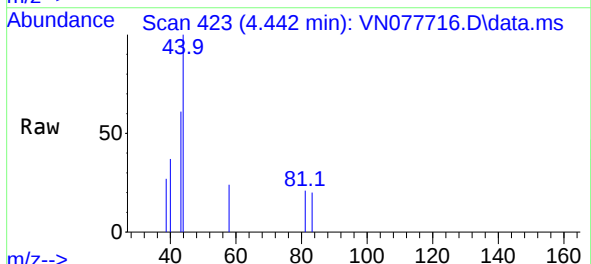
Instrument :
MSVOA_N
ClientSampleId :
MP-2

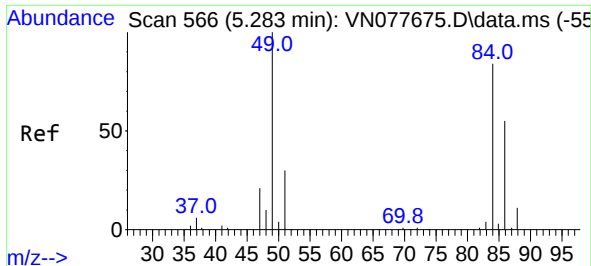
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 107.8 54.5 81.7#



#16
Acetone
Concen: 0.471 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
58 39.9 28.0 42.0



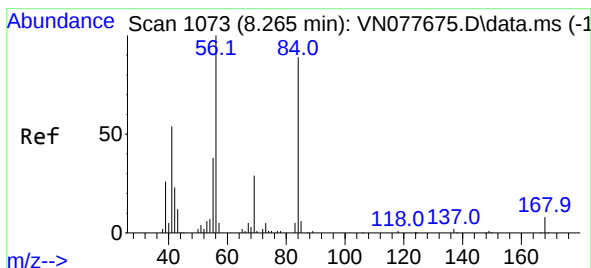
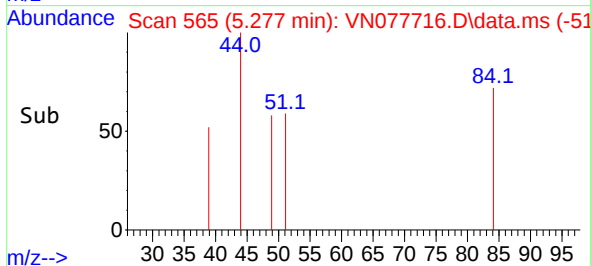
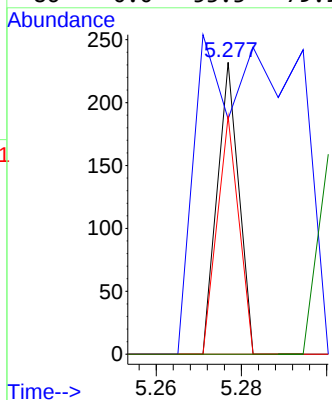
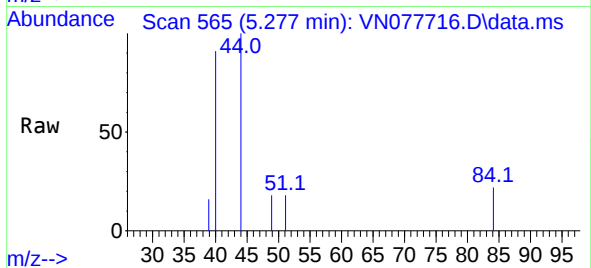


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :
MP-2

Tgt Ion: 84 Resp: 82

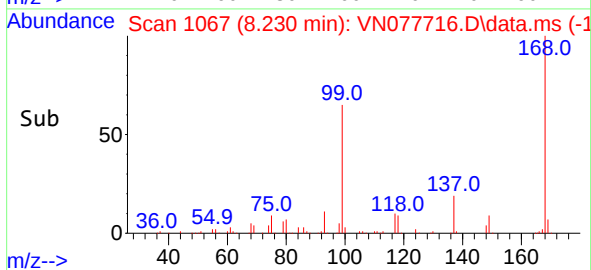
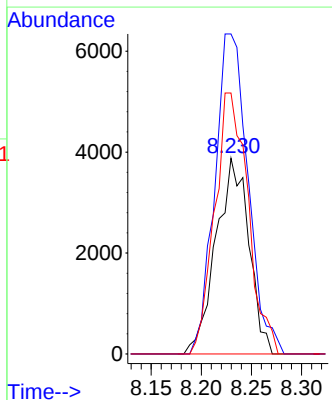
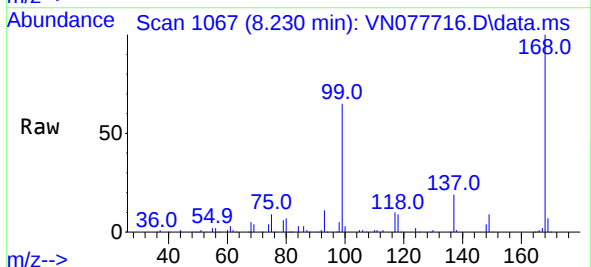
Ion	Ratio	Lower	Upper
84	100		
49	80.6	79.7	119.5
51	81.5	25.2	37.8#
86	0.0	53.3	79.9#

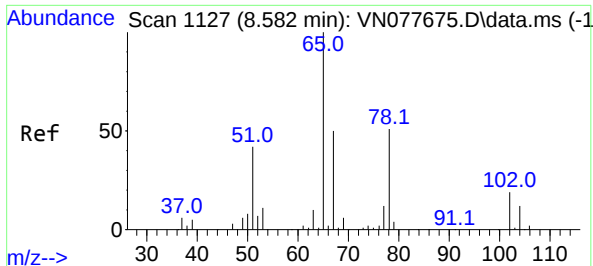


#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Tgt Ion: 56 Resp: 8816

Ion	Ratio	Lower	Upper
56	100		
69	163.5	26.8	40.2#
84	133.3	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 46.091 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077716.D

Acq: 17 May 2023 16:07

Instrument :

MSVOA_N

ClientSampleId :

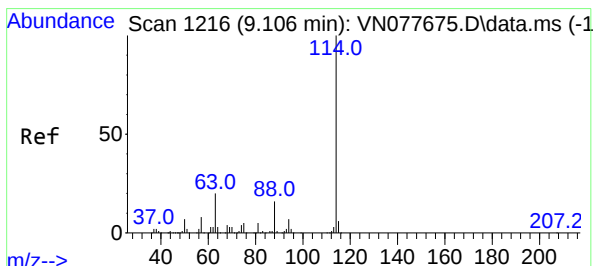
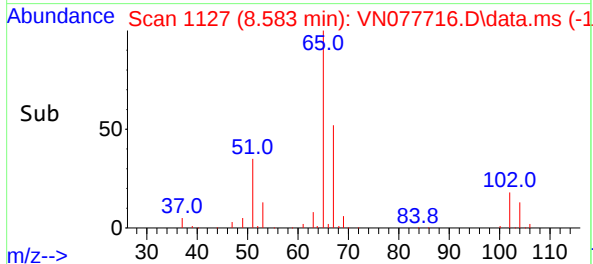
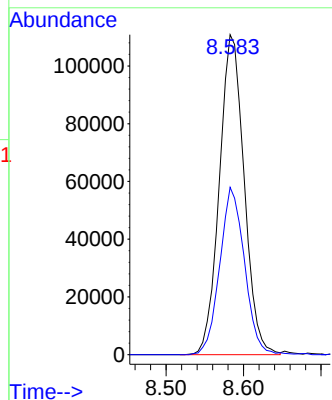
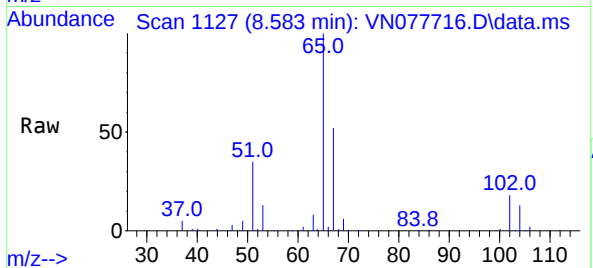
MP-2

Tgt Ion: 65 Resp: 246873

Ion Ratio Lower Upper

65 100

67 52.2 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: VN077716.D

Acq: 17 May 2023 16:07

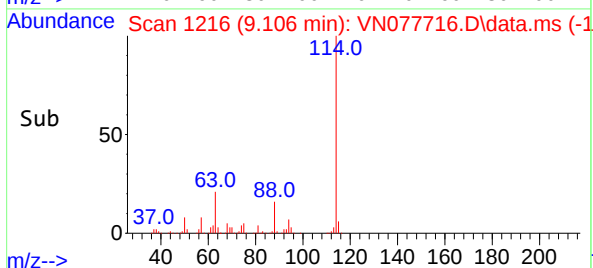
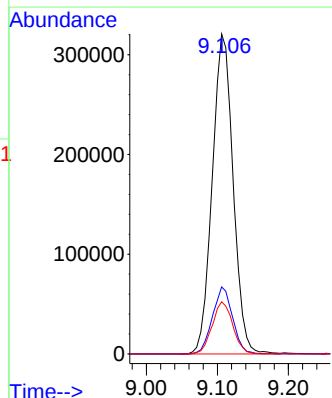
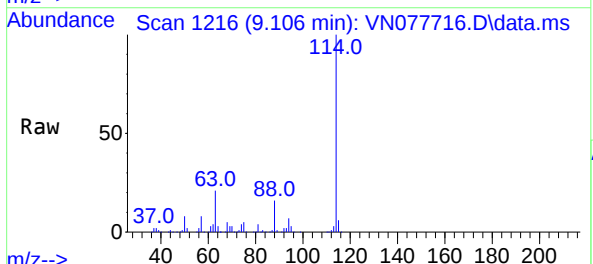
Tgt Ion: 114 Resp: 653425

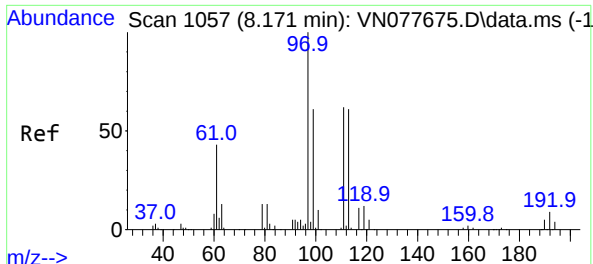
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 16.3 0.0 30.6

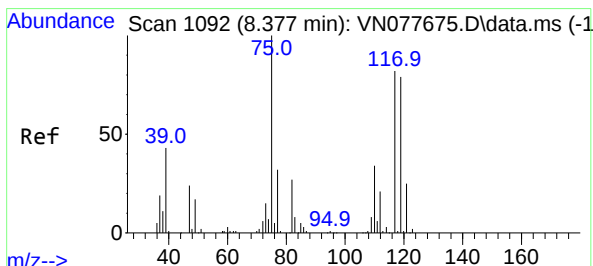
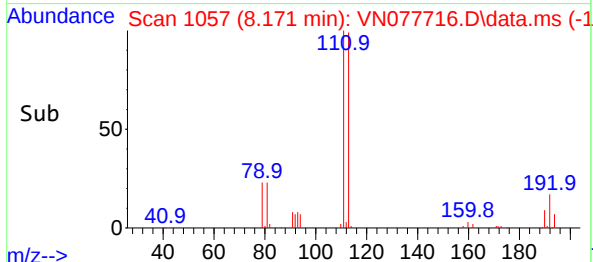
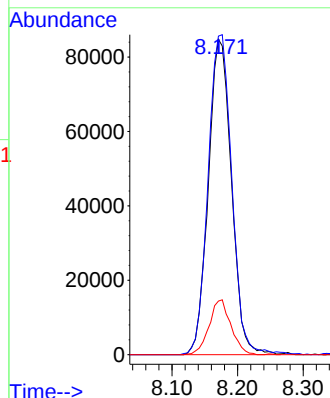
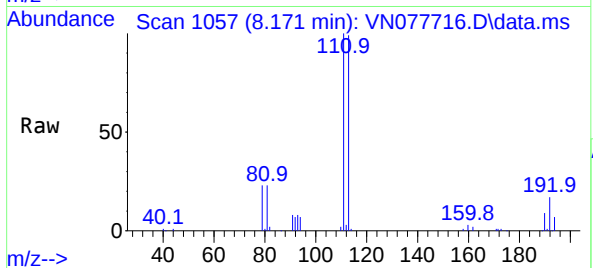




#35
Dibromofluoromethane
Concen: 48.738 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

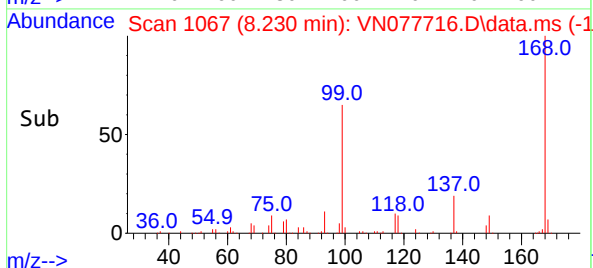
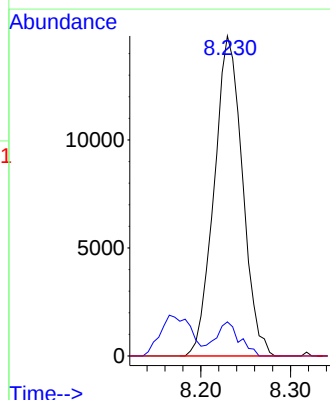
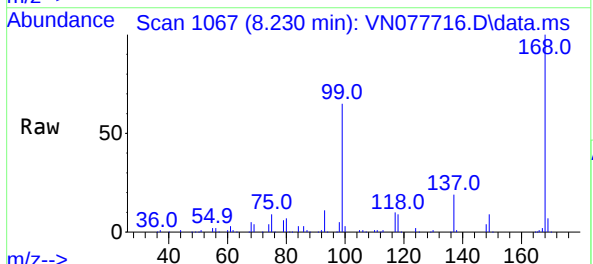
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MP-2

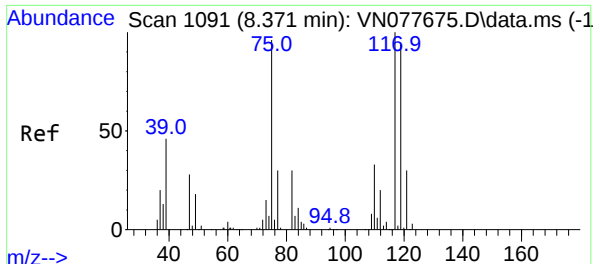
Tgt Ion:113 Resp: 207670
Ion Ratio Lower Upper
113 100
111 104.1 82.6 123.8
192 16.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.200 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Tgt Ion: 75 Resp: 32407
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#

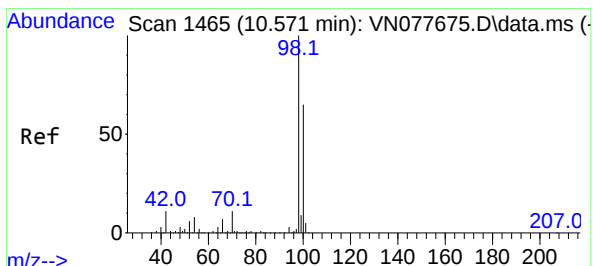
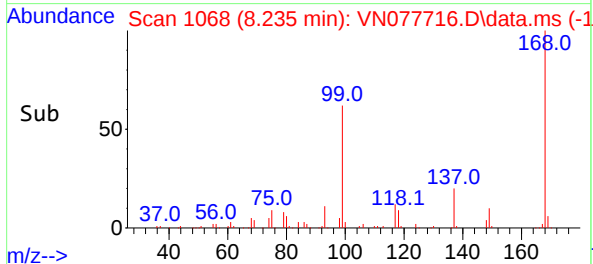
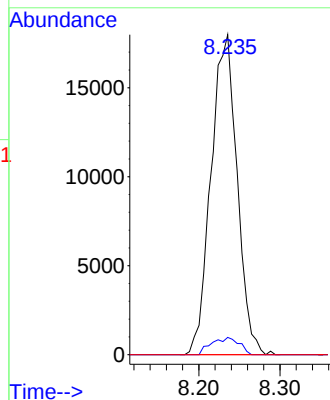
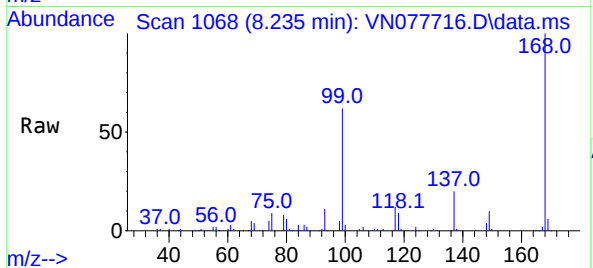




#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 8.235 min Scan# 1091
Delta R.T. -0.136 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

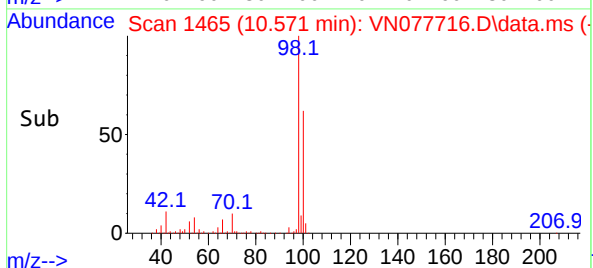
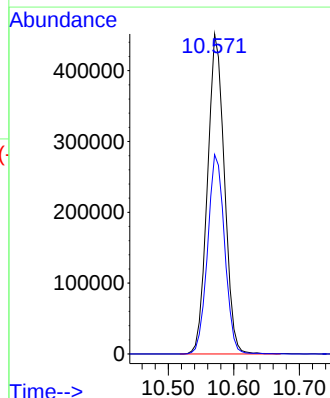
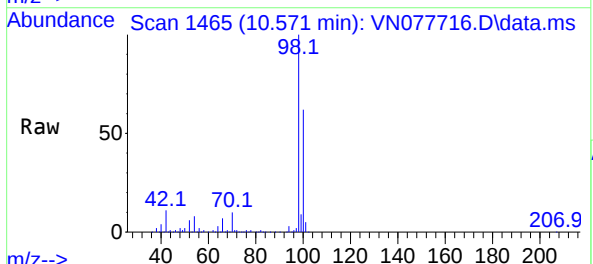
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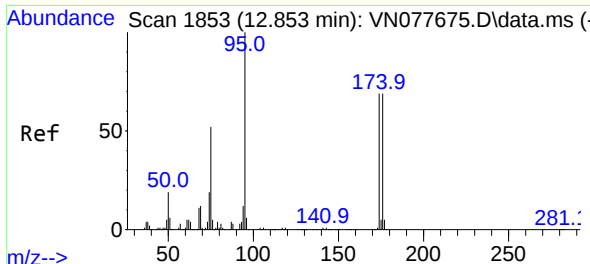
Tgt Ion:117 Resp: 40251
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 49.502 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Tgt Ion: 98 Resp: 811861
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0

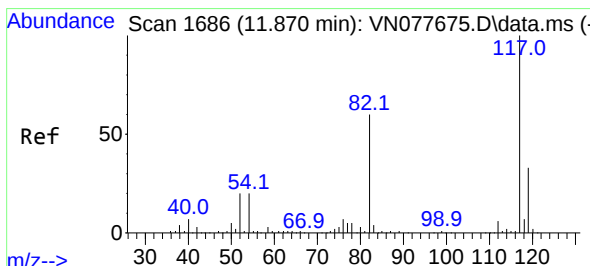
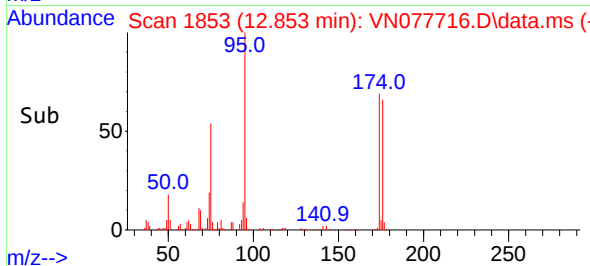
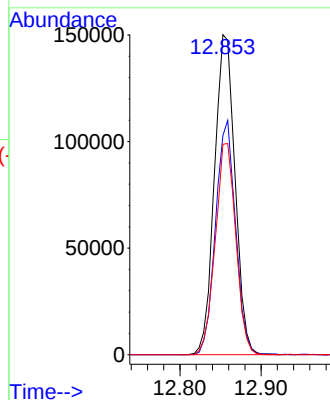
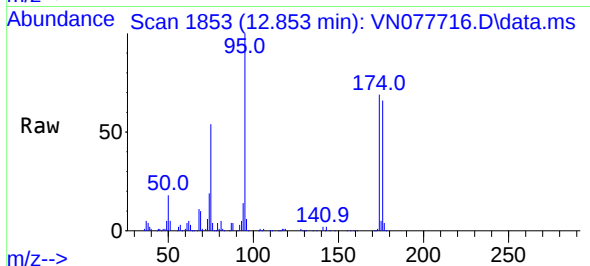




#62
4-Bromofluorobenzene
Concen: 45.704 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

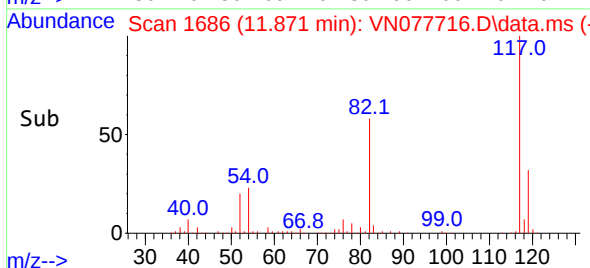
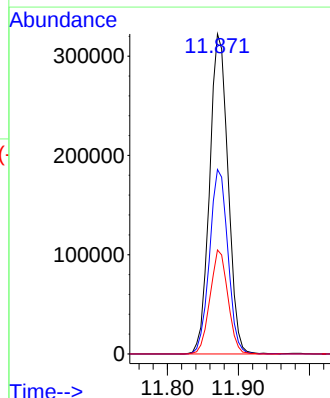
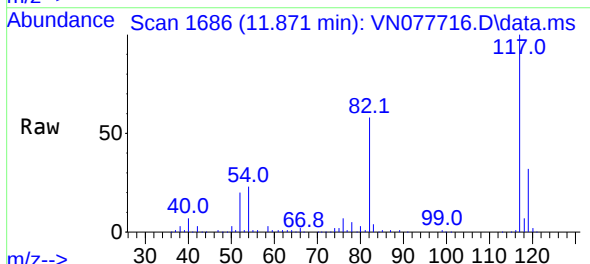
Instrument :
MSVOA_N
ClientSampleId :
MP-2

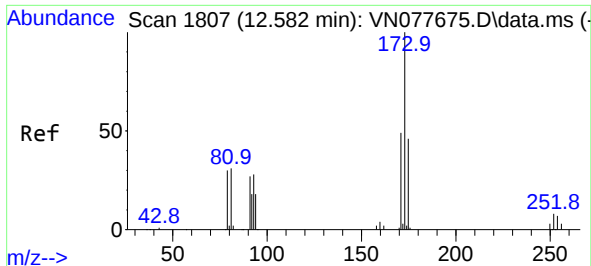
Tgt Ion: 95 Resp: 264734
Ion Ratio Lower Upper
95 100
174 71.0 0.0 143.8
176 65.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Tgt Ion: 117 Resp: 579936
Ion Ratio Lower Upper
117 100
82 57.7 44.0 66.0
119 32.5 25.6 38.4

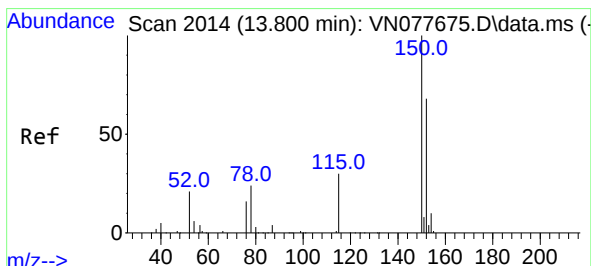
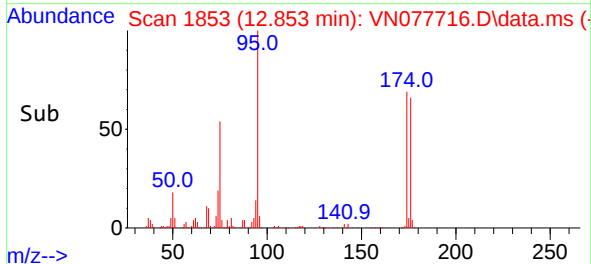
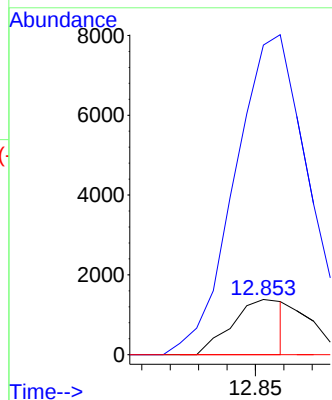
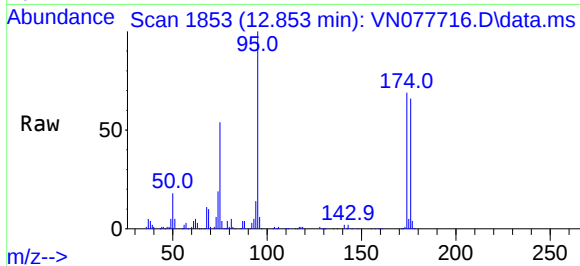




#71
Bromoform
Concen: 0.611 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

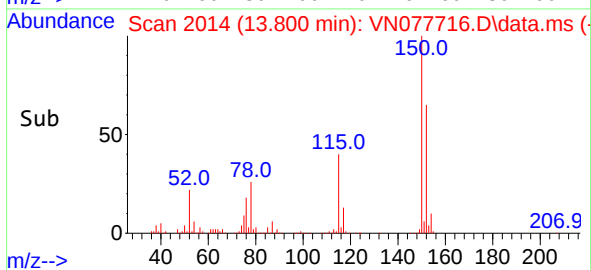
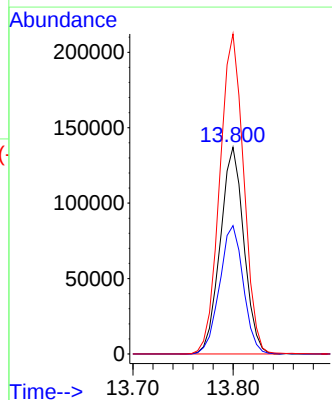
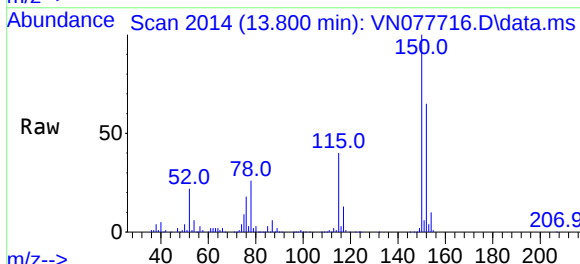
Instrument :
MSVOA_N
ClientSampleId :
MP-2

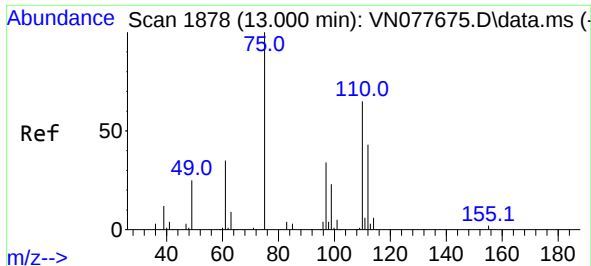
Tgt Ion:173 Resp: 1769
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Tgt Ion:152 Resp: 223983
Ion Ratio Lower Upper
152 100
115 62.4 32.3 96.8
150 157.0 0.0 355.8

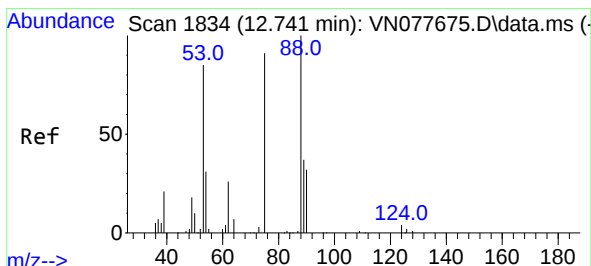
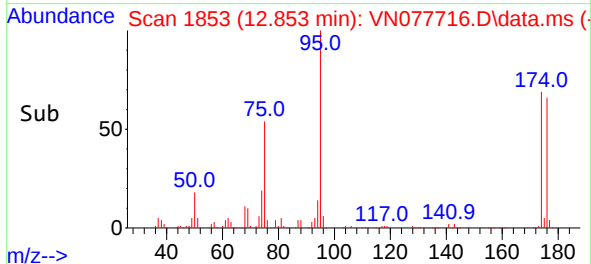
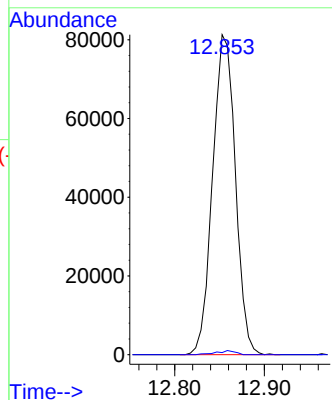
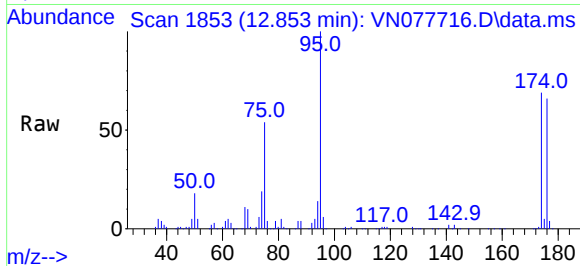




#76
1,2,3-Trichloropropane
Concen: 25.524 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :
MP-2

Tgt Ion: 75 Resp: 143173
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.588 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077716.D
Acq: 17 May 2023 16:07

Tgt Ion: 75 Resp: 143173
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

