

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079477.D
 Acq On : 09 Oct 2023 17:12
 Operator : JC\MD
 Sample : 04740-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:18:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

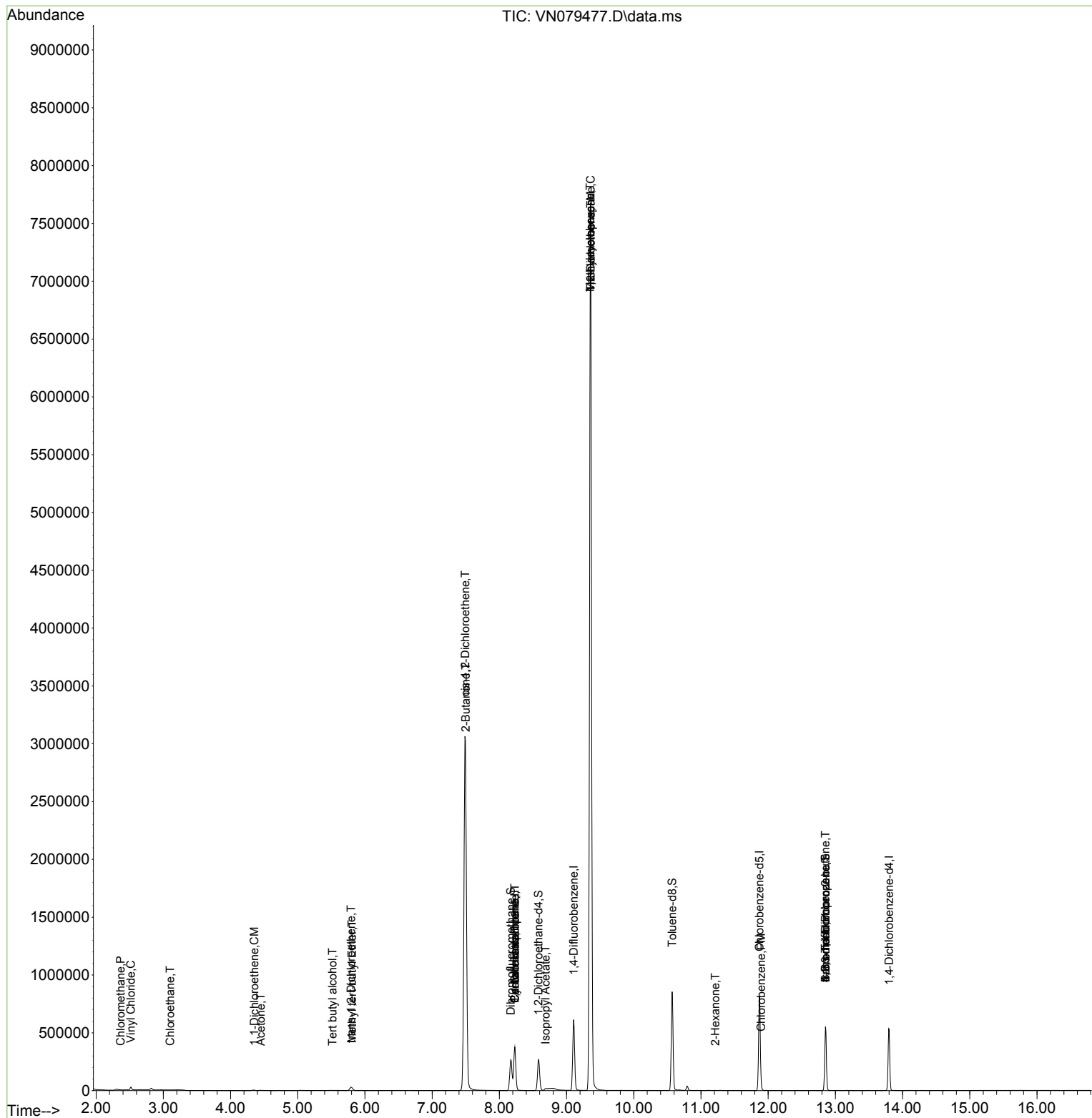
Internal Standards						
1) Pentafluorobenzene	8.229	168	263492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	505276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	454182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	137771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	215534	50.449	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.900%	
35) Dibromofluoromethane	8.171	113	189850	52.284	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.560%	
50) Toluene-d8	10.571	98	584394	44.480	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 88.960%	
62) 4-Bromofluorobenzene	12.853	95	184029	43.646	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1021	0.217	ug/l #	42
4) Vinyl Chloride	2.518	62	22682	4.629	ug/l	98
6) Chloroethane	3.100	64	799	0.216	ug/l #	43
11) Tert butyl alcohol	5.518	59	305	0.474	ug/l #	72
12) 1,1-Dichloroethene	4.353	96	2665	0.856	ug/l #	92
16) Acetone	4.447	43	3347	1.975	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	12464	1.232	ug/l #	90
20) Methylene Chloride	5.283	84	143	Below Cal	#	42
21) trans-1,2-Dichloroethene	5.794	96	12975	3.568	ug/l #	80
25) 2-Butanone	7.500	43	595	0.237	ug/l #	1
27) cis-1,2-Dichloroethene	7.494	96	1806567	457.342	ug/l	97
31) Cyclohexane	8.229	56	7168	1.183	ug/l #	54
36) 1,1-Dichloropropene	8.229	75	23910	4.387	ug/l #	48
38) Carbon Tetrachloride	8.229	117	29086	5.331	ug/l #	16
39) Methylcyclohexane	9.353	83	36763	7.021	ug/l #	1
43) Isopropyl Acetate	8.688	43	8251	0.868	ug/l #	49
44) Trichloroethene	9.359	130	2630661	690.578	ug/l	95
45) 1,2-Dichloropropane	9.359	63	9684	2.271	ug/l #	1
59) 2-Hexanone	11.212	43	843	0.218	ug/l #	19
65) Chlorobenzene	11.894	112	4076	0.403	ug/l #	83
71) Bromoform	12.853	173	1484	0.548	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	57	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	101823	25.633	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101823	74.376	ug/l #	15

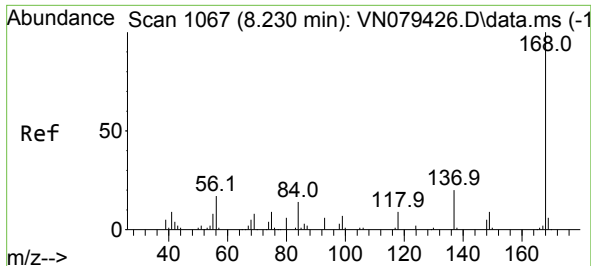
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
Data File : VN079477.D
Acq On : 09 Oct 2023 17:12
Operator : JC\MD
Sample : 04740-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

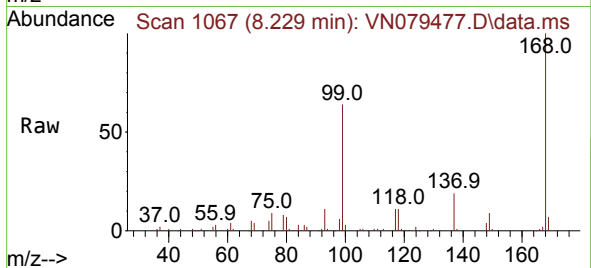
Quant Time: Oct 09 23:18:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
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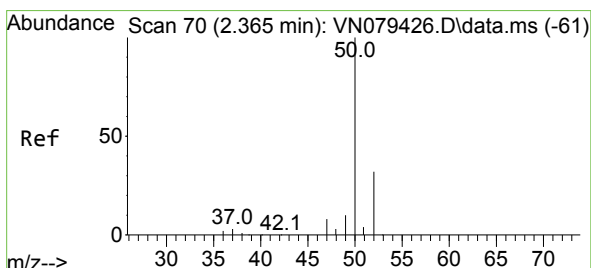
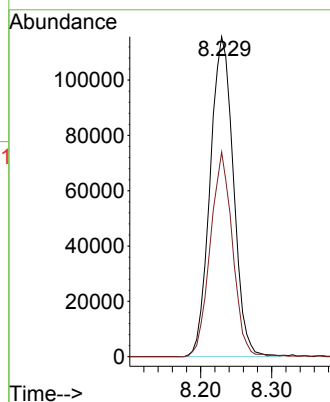
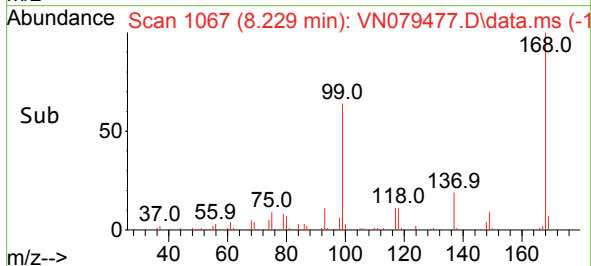


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Instrument :
MSVOA_N
ClientSampleId :

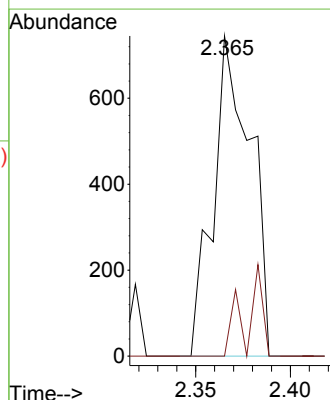
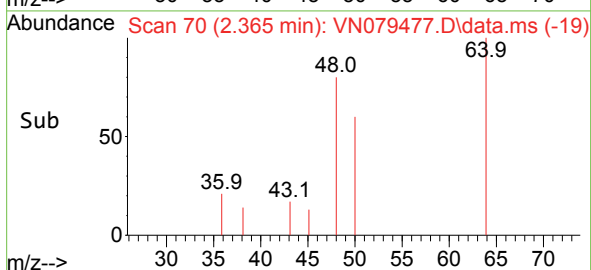
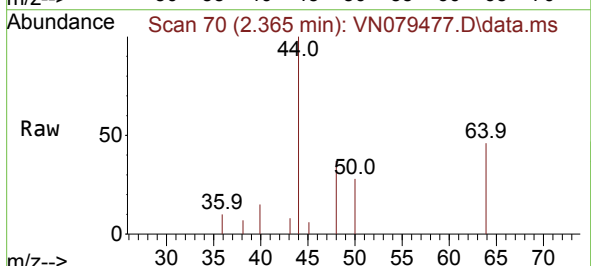


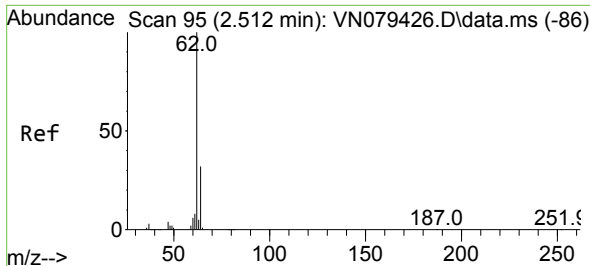
Tgt Ion:168 Resp: 263492
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Tgt Ion: 50 Resp: 1021
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

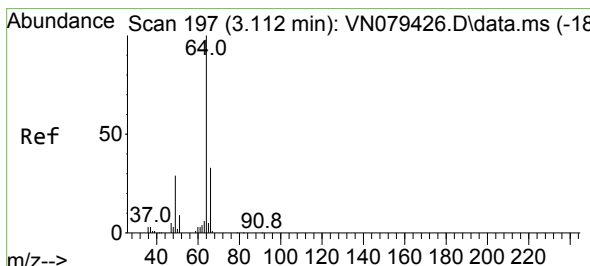
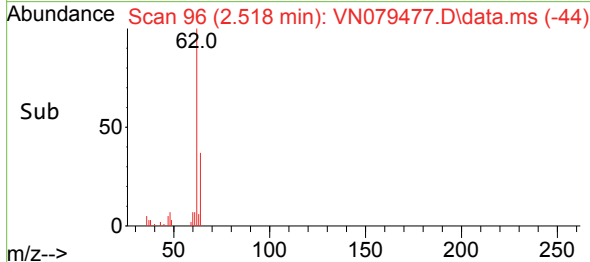
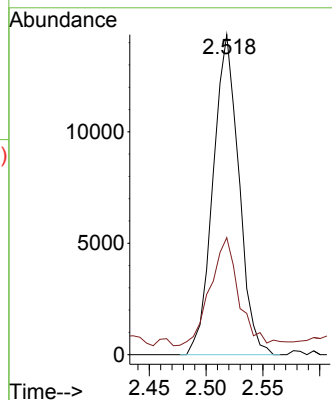
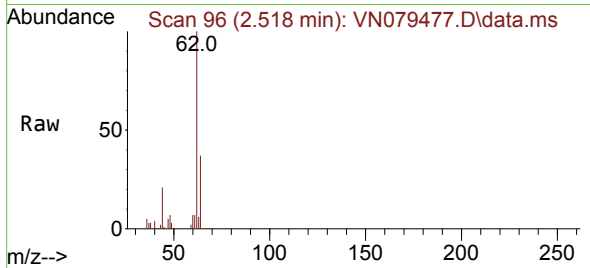




#4
 Vinyl Chloride
 Concen: 4.629 ug/l
 RT: 2.518 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VN079477.D
 Acq: 09 Oct 2023 17:12

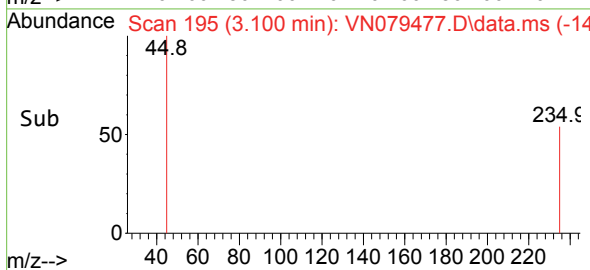
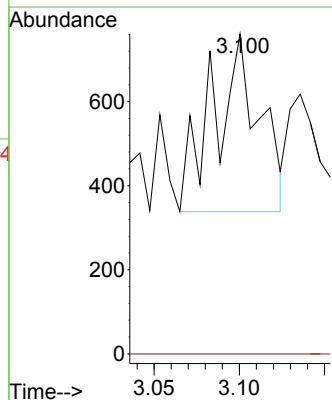
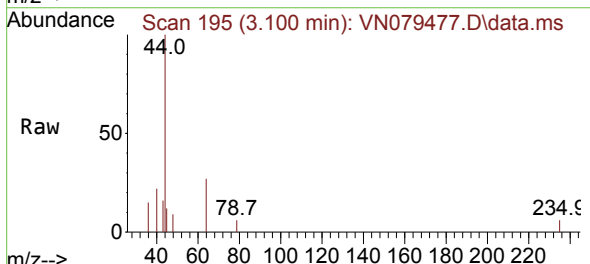
Instrument :
 MSVOA_N
 ClientSampleId :

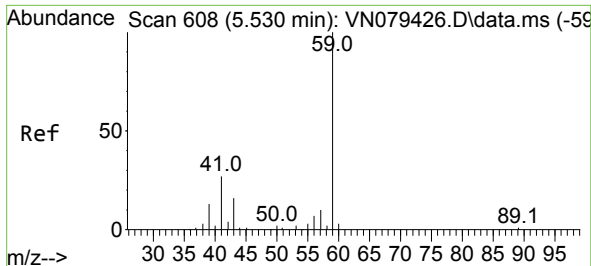
Tgt Ion: 62 Resp: 22682
 Ion Ratio Lower Upper
 62 100
 64 33.6 26.2 39.2



#6
 Chloroethane
 Concen: 0.216 ug/l
 RT: 3.100 min Scan# 195
 Delta R.T. -0.012 min
 Lab File: VN079477.D
 Acq: 09 Oct 2023 17:12

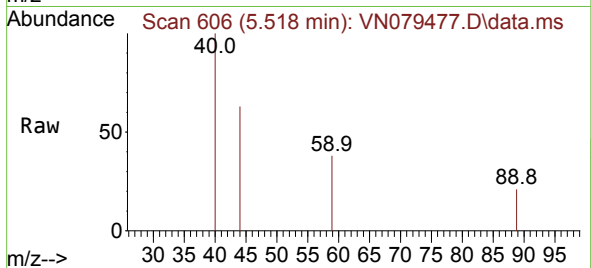
Tgt Ion: 64 Resp: 799
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.4 38.2#



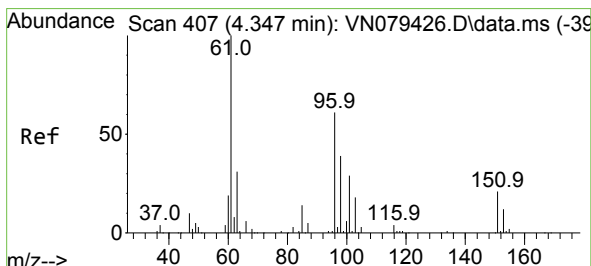
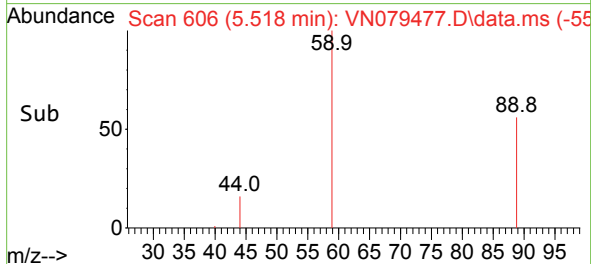
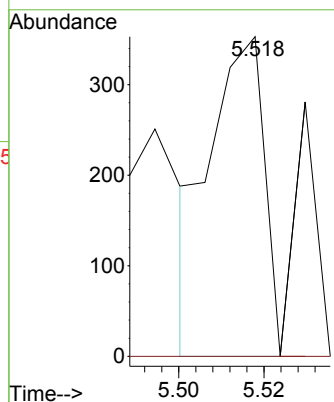


#11
Tert butyl alcohol
Concen: 0.474 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Instrument :
MSVOA_N
ClientSampleId :

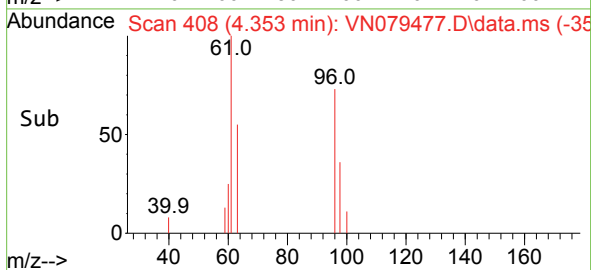
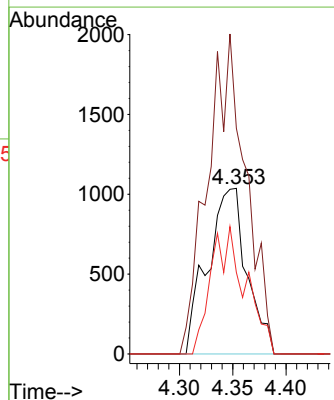
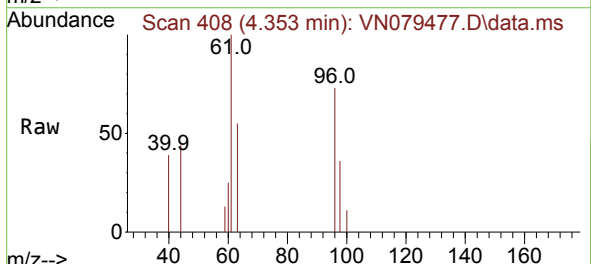


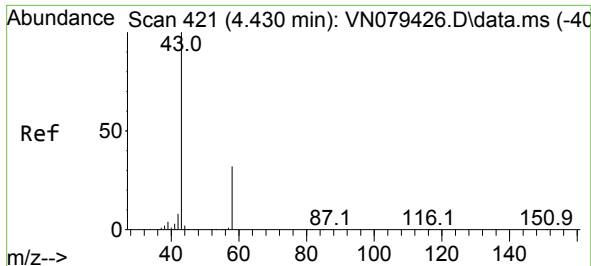
Tgt Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.856 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Tgt Ion: 96 Resp: 2665
Ion Ratio Lower Upper
96 100
61 136.4 112.7 169.1
98 49.3 51.2 76.8#

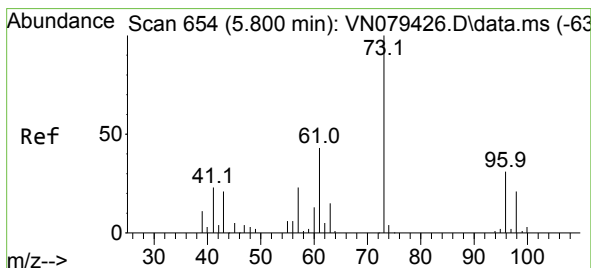
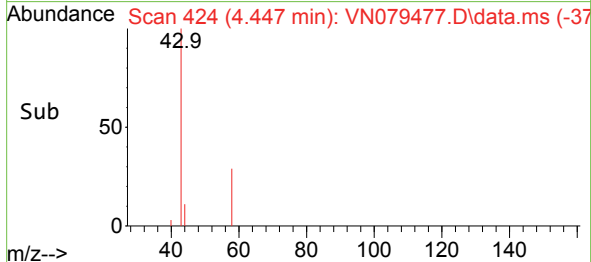
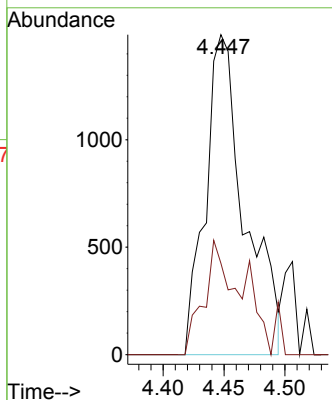
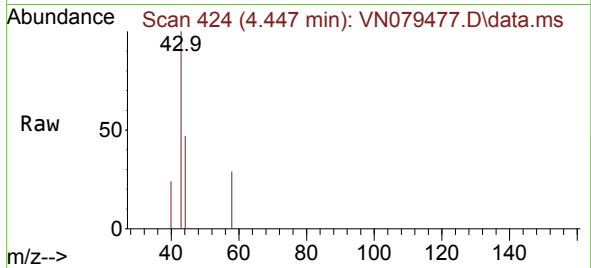




#16
Acetone
Concen: 1.975 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

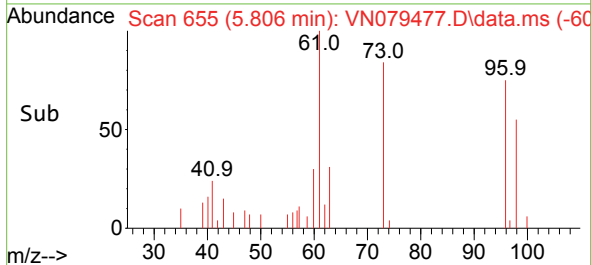
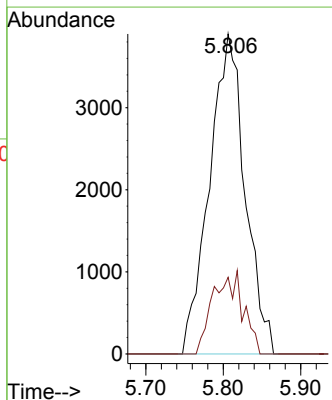
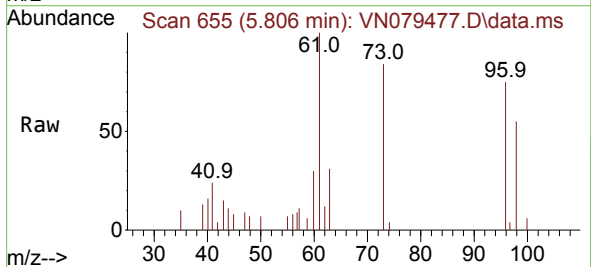
Instrument :
MSVOA_N
ClientSampleId :

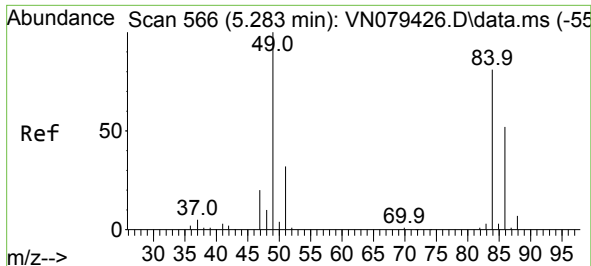
Tgt Ion: 43 Resp: 3347
Ion Ratio Lower Upper
43 100
58 28.5 28.0 42.0



#19
Methyl tert-butyl Ether
Concen: 1.232 ug/l
RT: 5.806 min Scan# 655
Delta R.T. 0.006 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

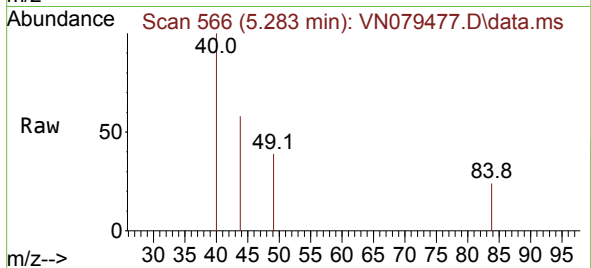
Tgt Ion: 73 Resp: 12464
Ion Ratio Lower Upper
73 100
57 24.0 15.6 23.4#





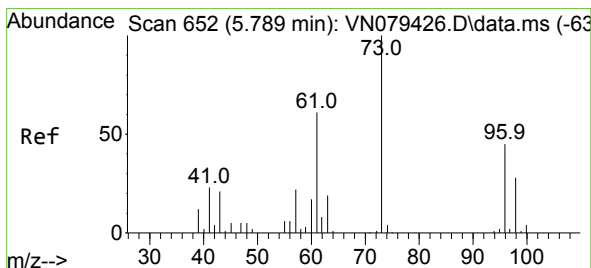
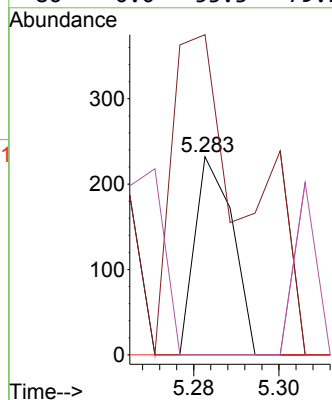
#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 501
Delta R.T. -0.000 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 143

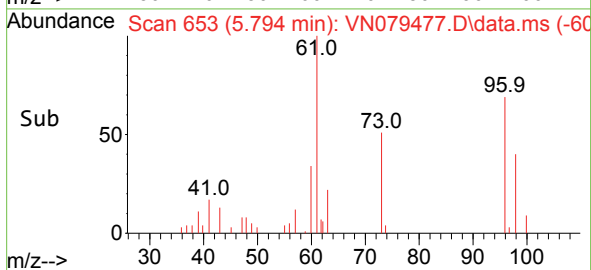
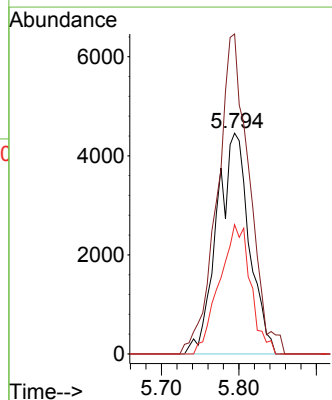
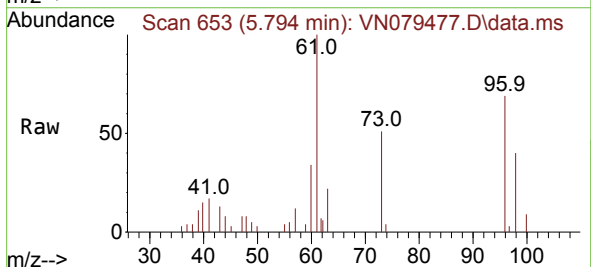
Ion	Ratio	Lower	Upper
84	100		
49	58.6	79.7	119.5#
51	0.0	25.2	37.8#
86	0.0	53.3	79.9#

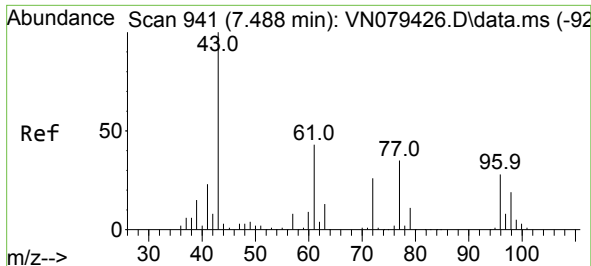


#21
trans-1,2-Dichloroethene
Concen: 3.568 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Tgt Ion: 96 Resp: 12975

Ion	Ratio	Lower	Upper
96	100		
61	144.9	90.1	135.1#
98	58.5	46.4	69.6

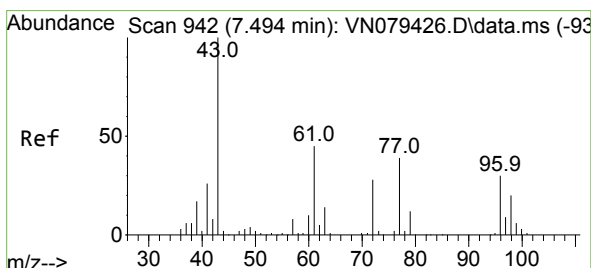
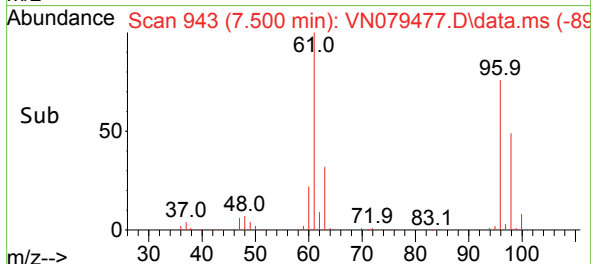
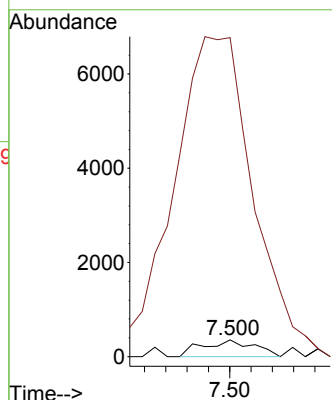
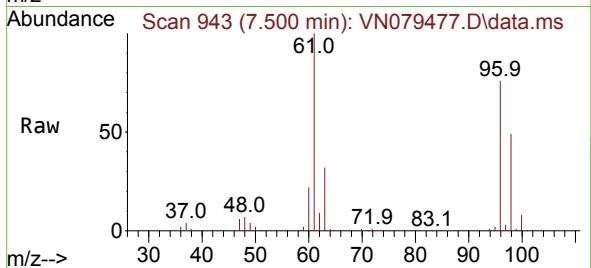




#25
2-Butanone
Concen: 0.237 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

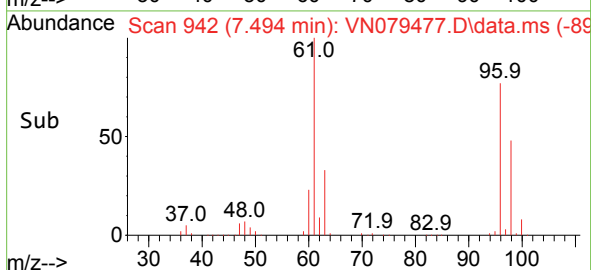
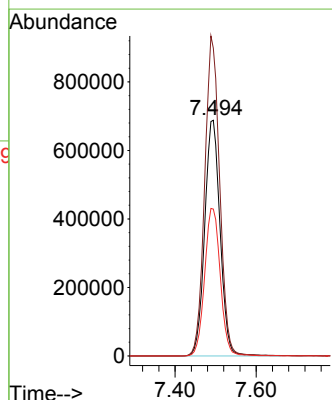
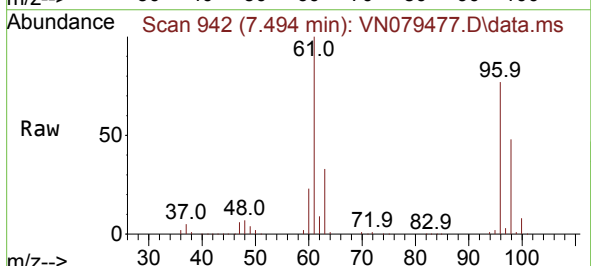
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MSVOA_N
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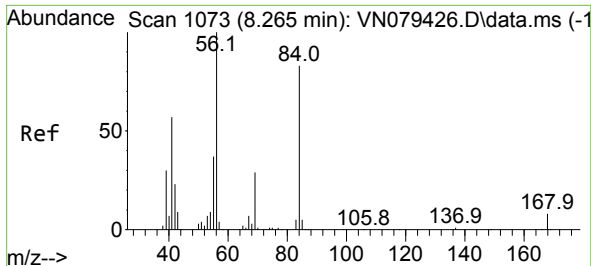
Tgt Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
72 1515.5 30.2 45.2#



#27
cis-1,2-Dichloroethene
Concen: 457.342 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

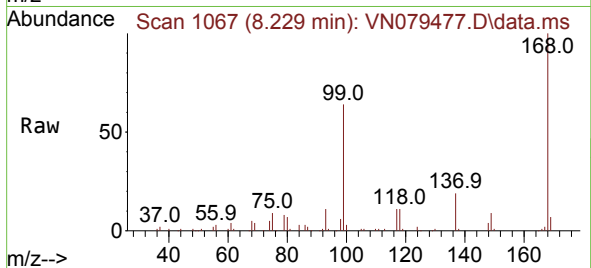
Tgt Ion: 96 Resp: 1806567
Ion Ratio Lower Upper
96 100
61 132.0 0.0 255.2
98 63.7 0.0 128.8



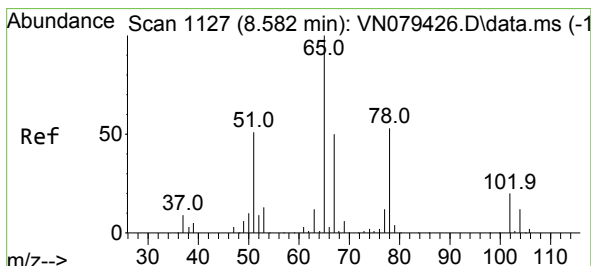
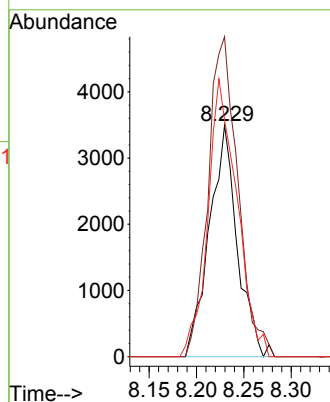
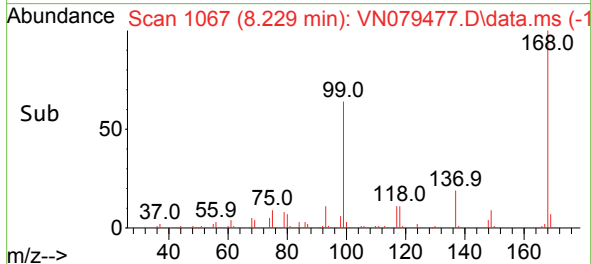


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Instrument :
MSVOA_N
ClientSampleId :

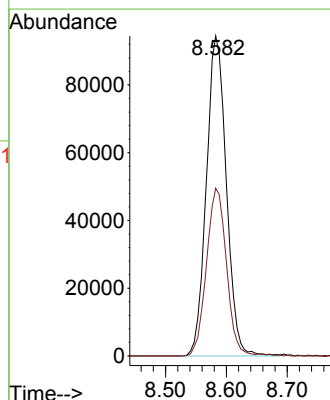
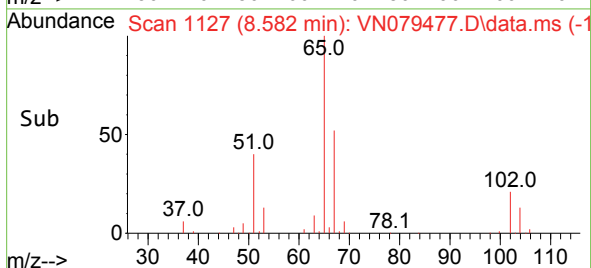
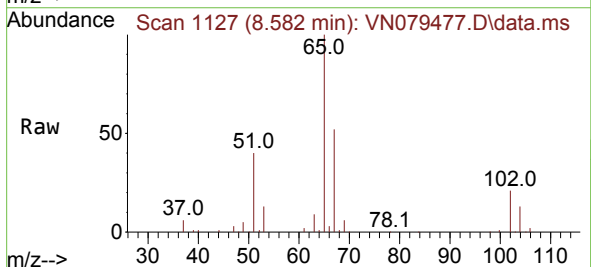


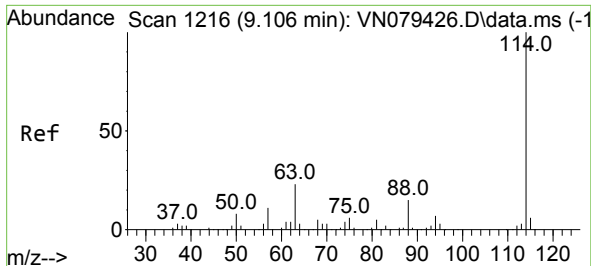
Tgt Ion: 56 Resp: 7168
Ion Ratio Lower Upper
56 100
69 138.4 26.8 40.2#
84 102.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 50.449 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Tgt Ion: 65 Resp: 215534
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6

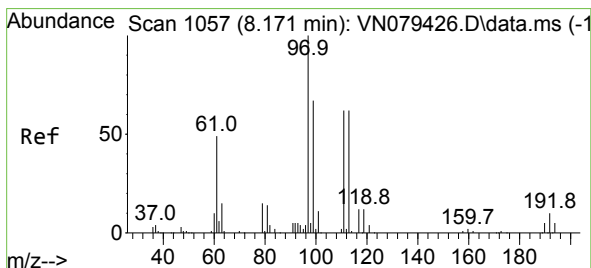
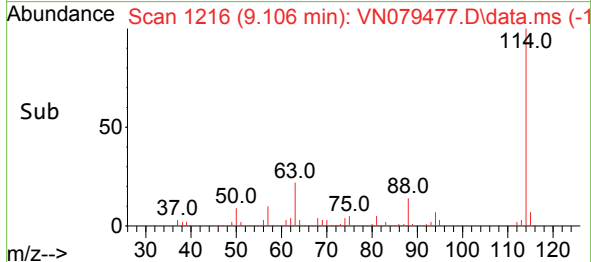
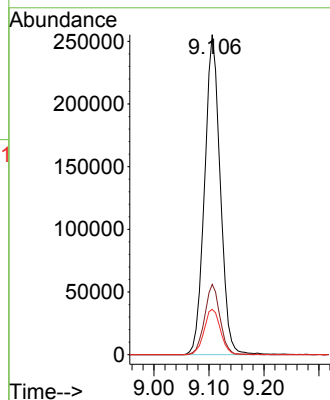
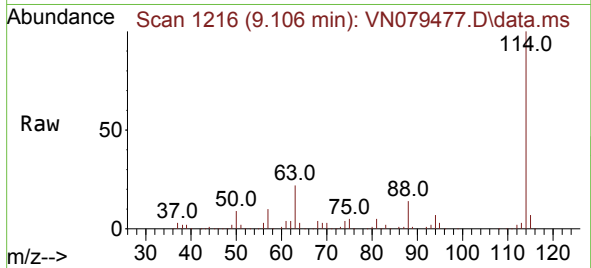




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

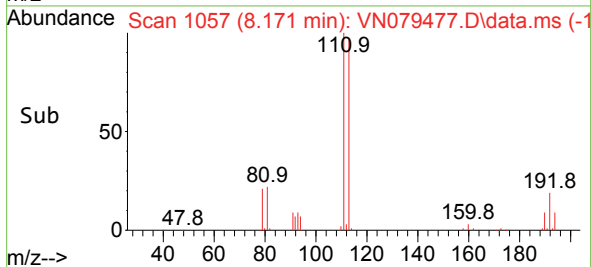
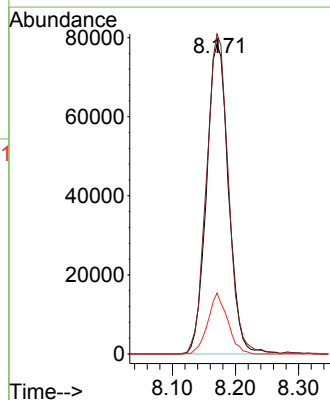
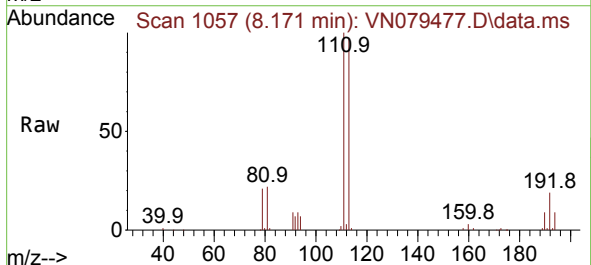
Instrument :
MSVOA_N
ClientSampleId :

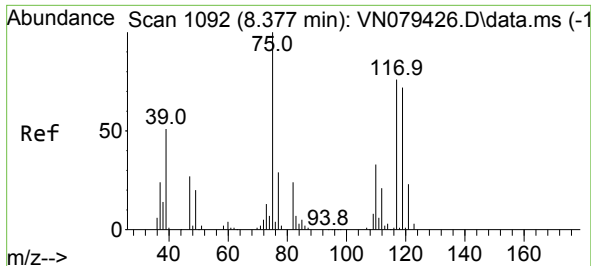
Tgt Ion:114 Resp: 505276
Ion Ratio Lower Upper
114 100
63 22.0 0.0 36.4
88 14.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.284 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Tgt Ion:113 Resp: 189850
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 17.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.387 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

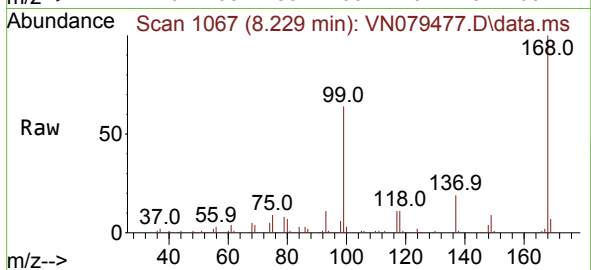
Lab File: VN079477.D

Acq: 09 Oct 2023 17:12

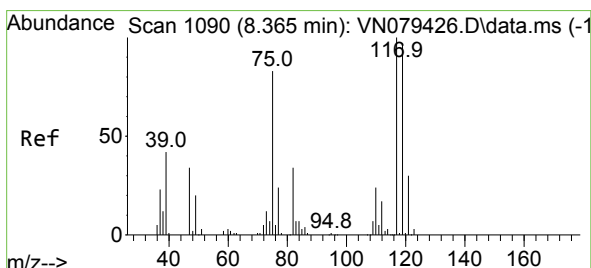
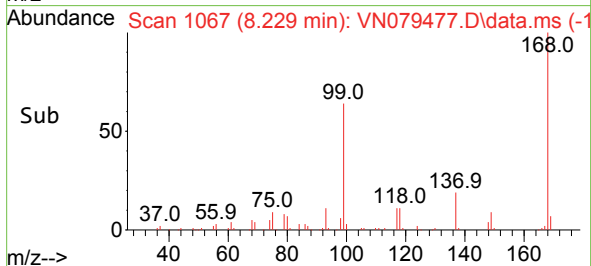
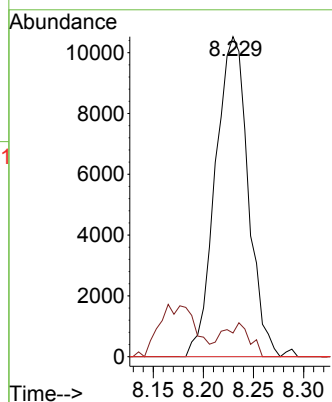
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	23910
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.331 ug/l

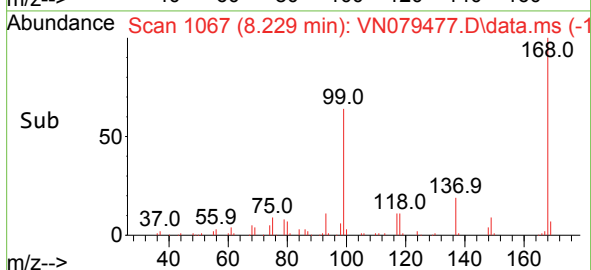
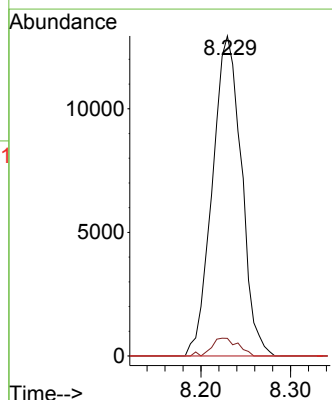
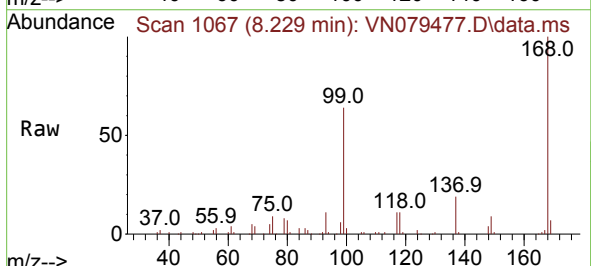
RT: 8.229 min Scan# 1067

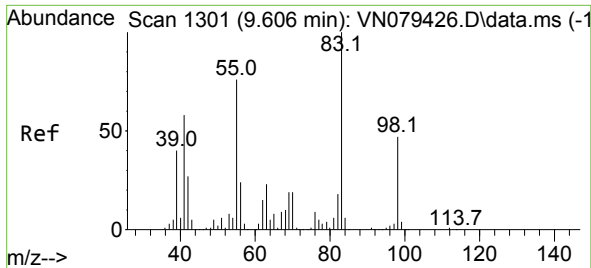
Delta R.T. -0.135 min

Lab File: VN079477.D

Acq: 09 Oct 2023 17:12

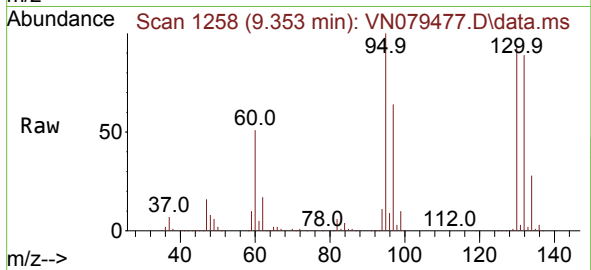
Tgt Ion:	117	Resp:	29086
Ion Ratio	100	Lower	Upper
117	100		
119	5.5	77.3	115.9#
121	0.0	23.3	34.9#



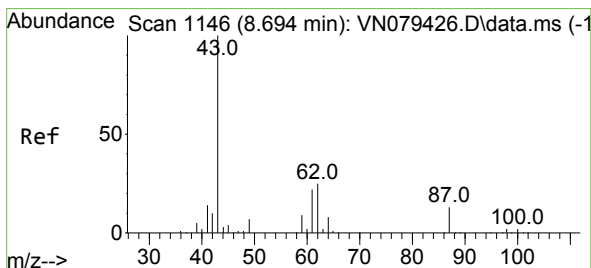
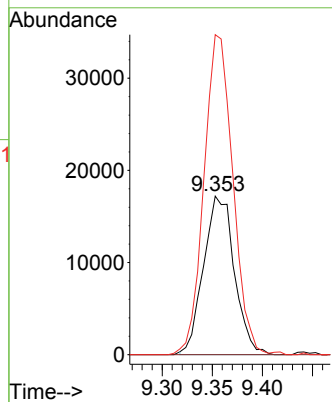
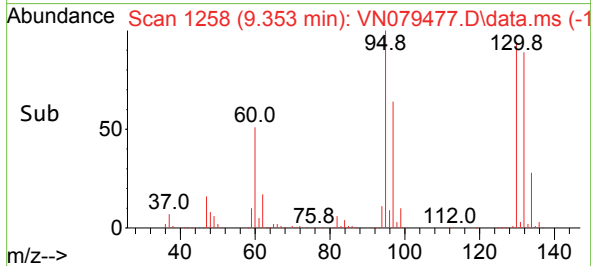


#39
Methylcyclohexane
Concen: 7.021 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

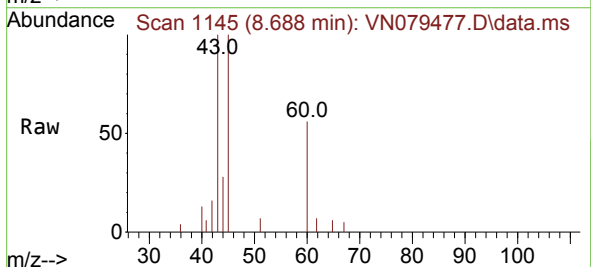
Instrument :
MSVOA_N
ClientSampleId :



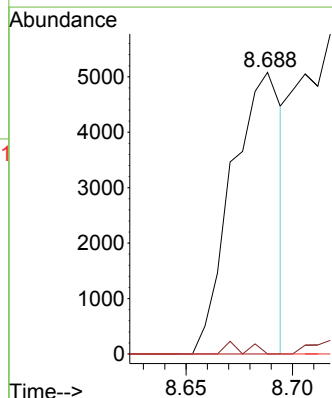
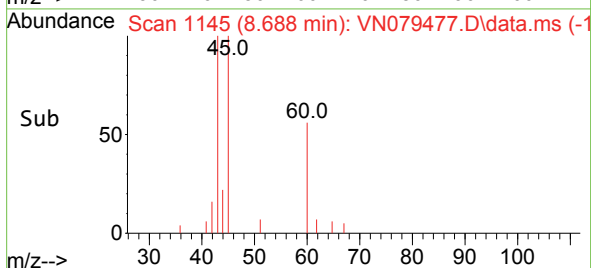
Tgt Ion: 83 Resp: 36763
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 200.2 40.6 61.0#

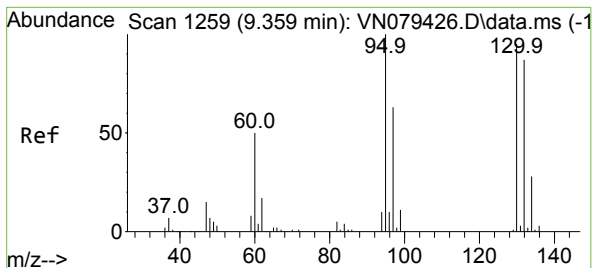


#43
Isopropyl Acetate
Concen: 0.868 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12



Tgt Ion: 43 Resp: 8251
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 690.578 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN079477.D

Acq: 09 Oct 2023 17:12

Instrument :

MSVOA_N

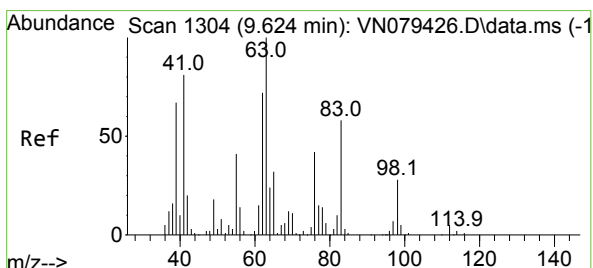
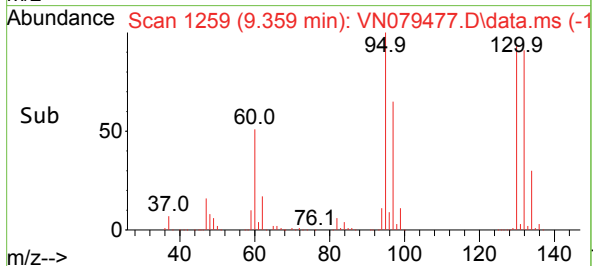
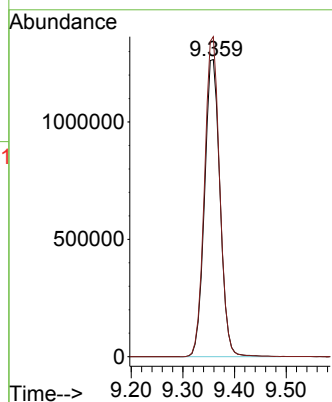
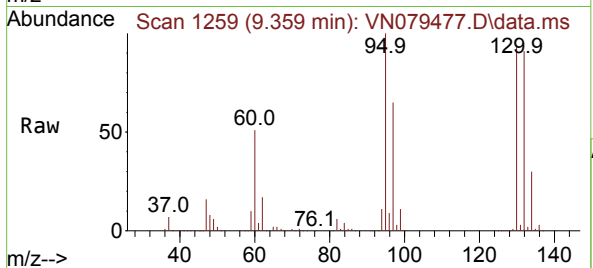
ClientSampleId :

Tgt Ion:130 Resp: 2630661

Ion Ratio Lower Upper

130 100

95 107.7 0.0 204.6



#45

1,2-Dichloropropane

Concen: 2.271 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.265 min

Lab File: VN079477.D

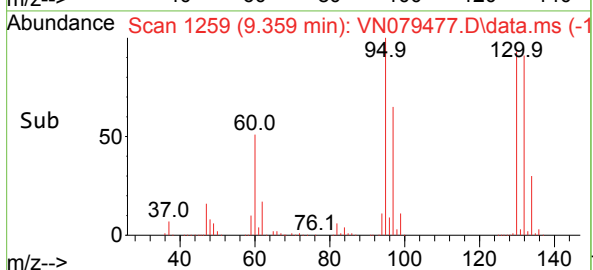
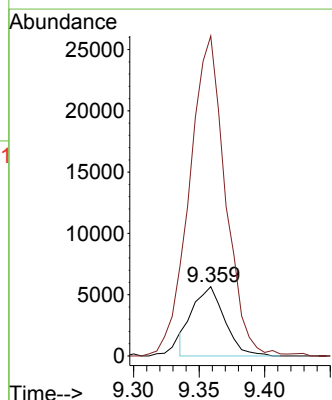
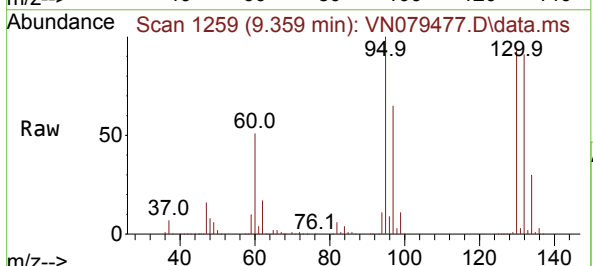
Acq: 09 Oct 2023 17:12

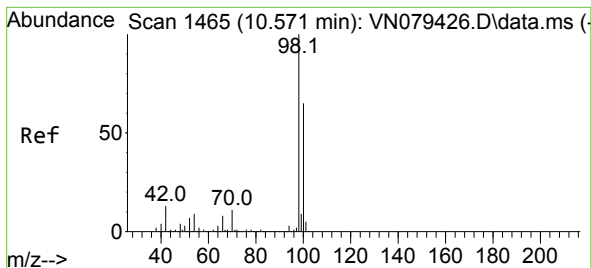
Tgt Ion: 63 Resp: 9684

Ion Ratio Lower Upper

63 100

65 458.5 23.9 35.9#





#50

Toluene-d8

Concen: 44.480 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079477.D

Acq: 09 Oct 2023 17:12

Instrument :

MSVOA_N

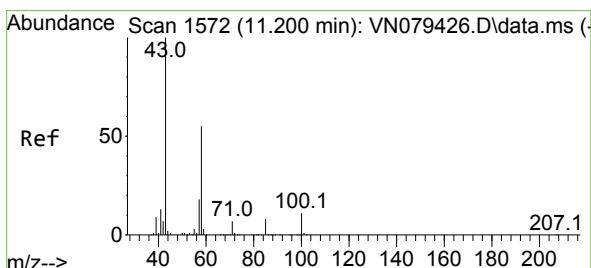
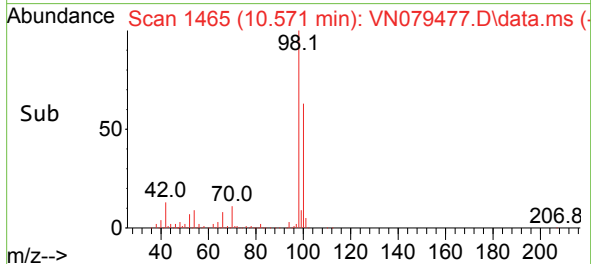
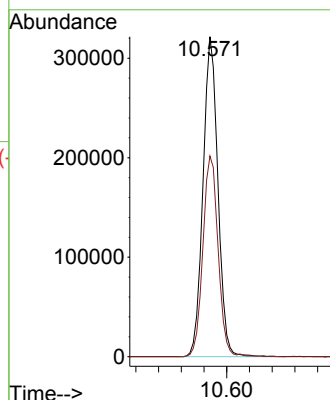
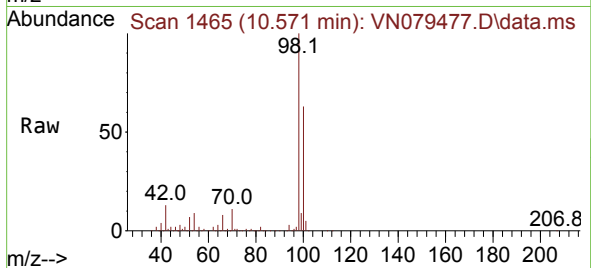
ClientSampleId :

Tgt Ion: 98 Resp: 584394

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#59

2-Hexanone

Concen: 0.218 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.012 min

Lab File: VN079477.D

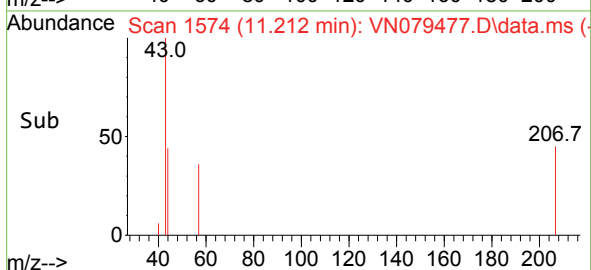
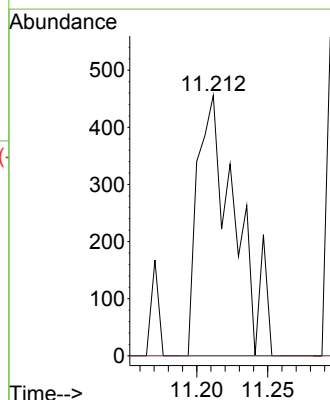
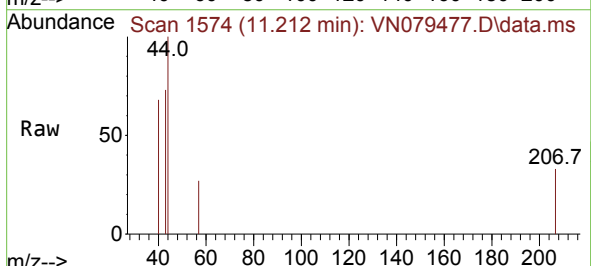
Acq: 09 Oct 2023 17:12

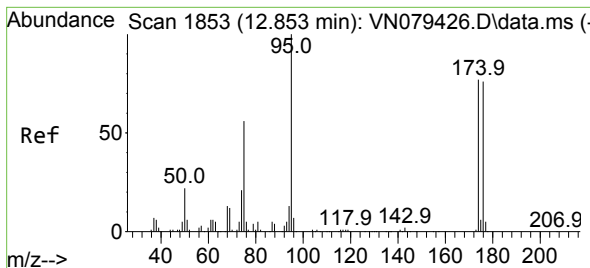
Tgt Ion: 43 Resp: 843

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

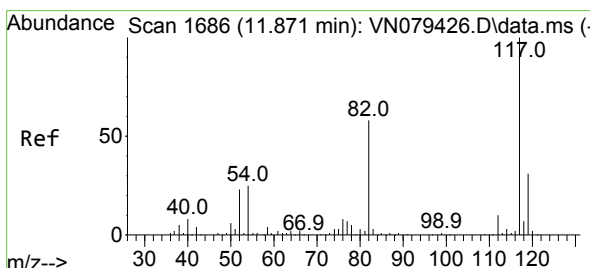
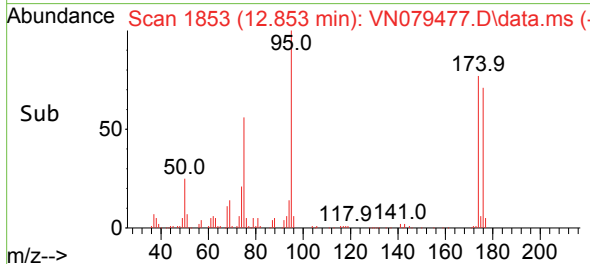
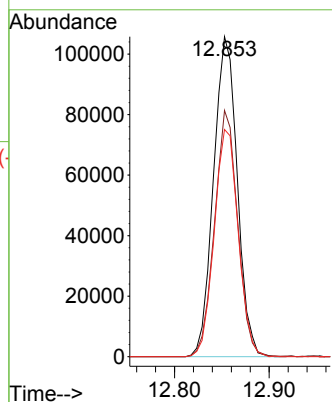
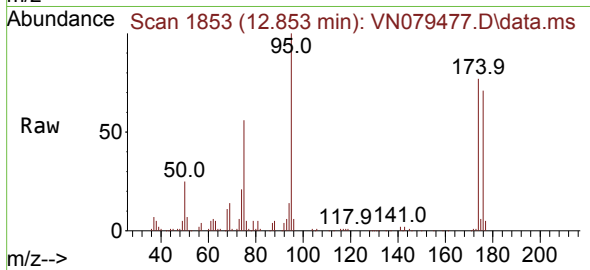




#62
4-Bromofluorobenzene
Concen: 43.646 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

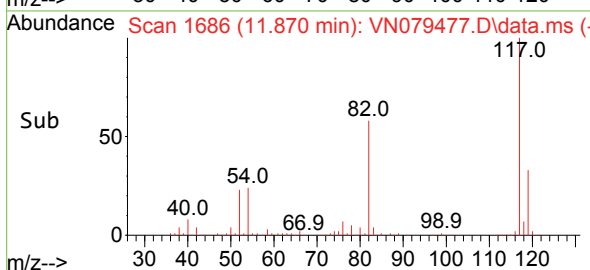
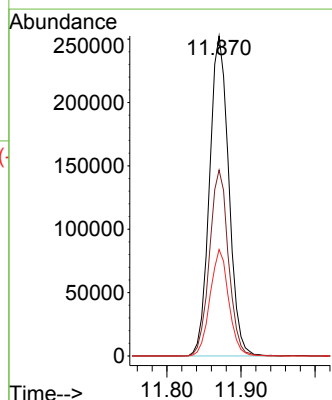
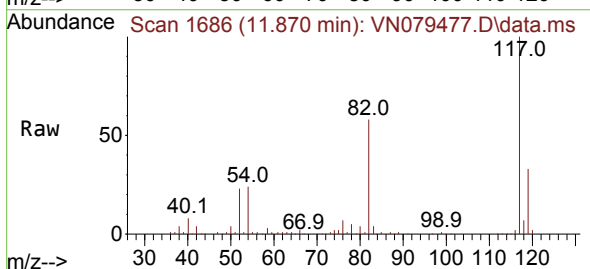
Instrument :
MSVOA_N
ClientSampleId :

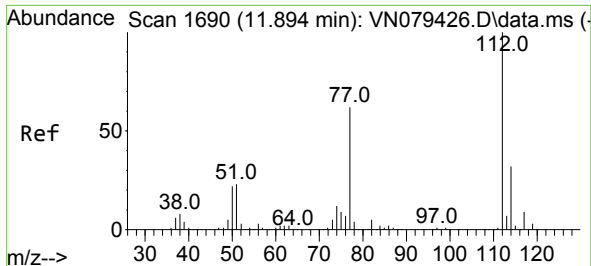
Tgt Ion: 95 Resp: 184029
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 71.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

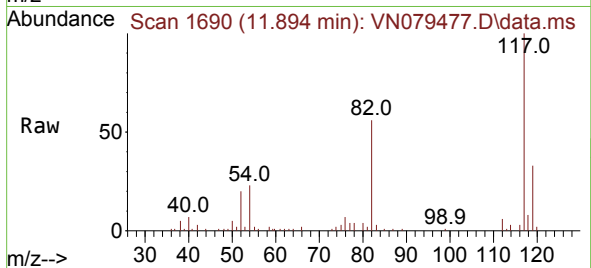
Tgt Ion: 117 Resp: 454182
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 33.3 25.6 38.4



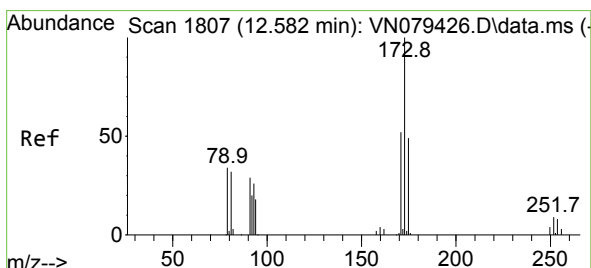
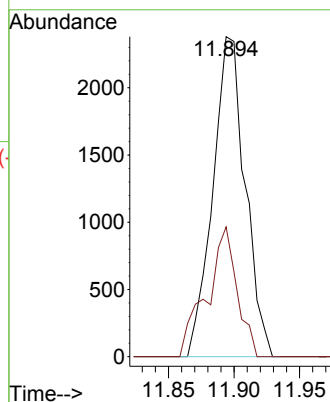
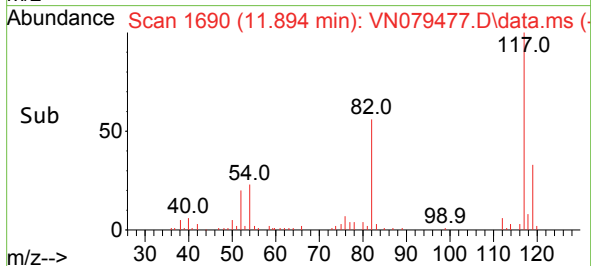


#65
Chlorobenzene
Concen: 0.403 ug/l
RT: 11.894 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Instrument :
MSVOA_N
ClientSampleId :

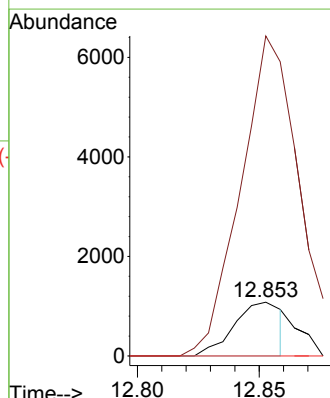
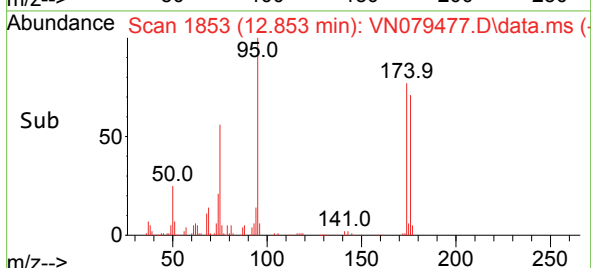
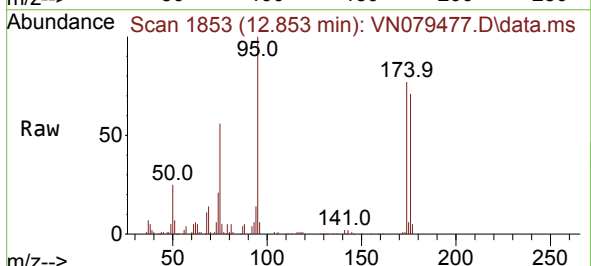


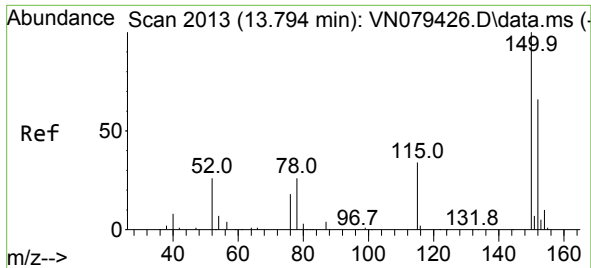
Tgt Ion:112 Resp: 4076
Ion Ratio Lower Upper
112 100
114 40.5 25.0 37.4#



#71
Bromoform
Concen: 0.548 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Tgt Ion:173 Resp: 1484
Ion Ratio Lower Upper
173 100
175 531.2 24.3 73.0#
254 0.0 0.0 0.0

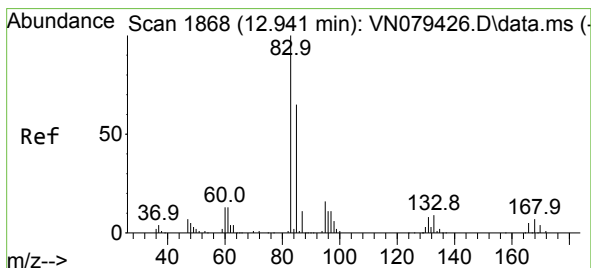
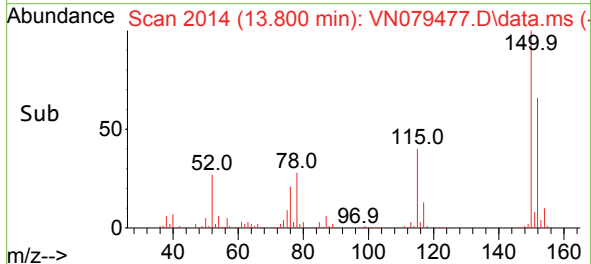
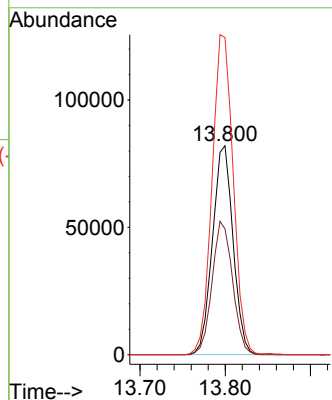
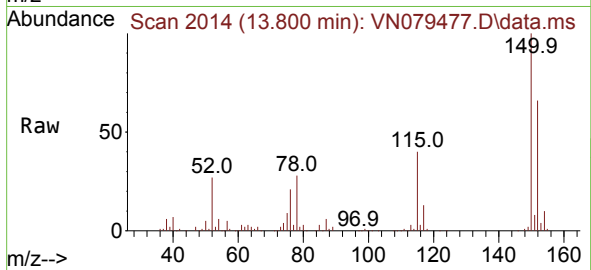




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2013
 Delta R.T. 0.006 min
 Lab File: VN079477.D
 Acq: 09 Oct 2023 17:12

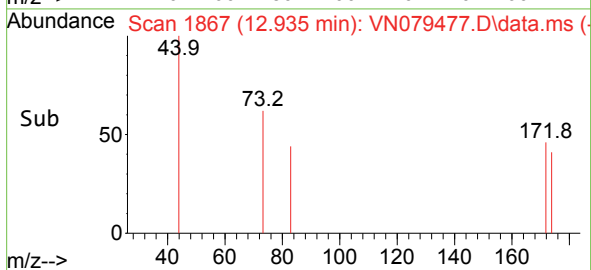
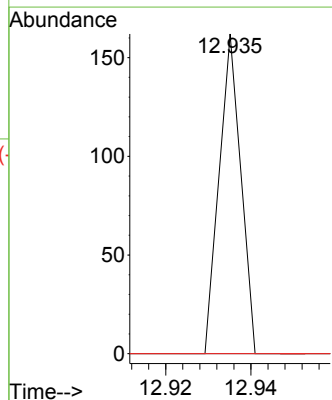
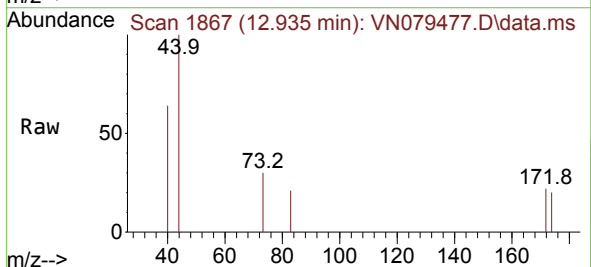
Instrument :
 MSVOA_N
 ClientSampleId :

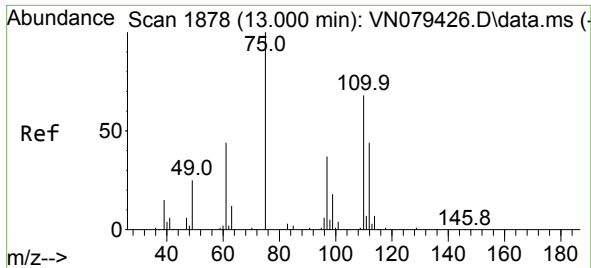
Tgt Ion:152 Resp: 137771
 Ion Ratio Lower Upper
 152 100
 115 63.4 32.3 96.8
 150 156.7 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.935 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: VN079477.D
 Acq: 09 Oct 2023 17:12

Tgt Ion: 83 Resp: 57
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#

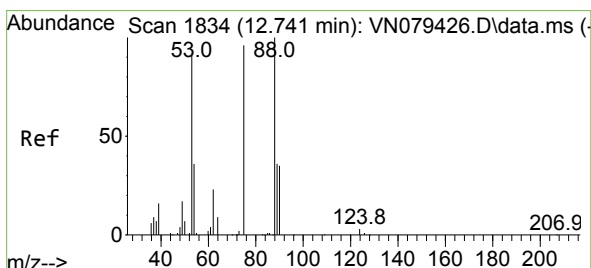
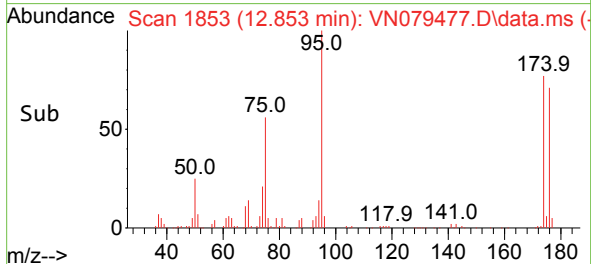
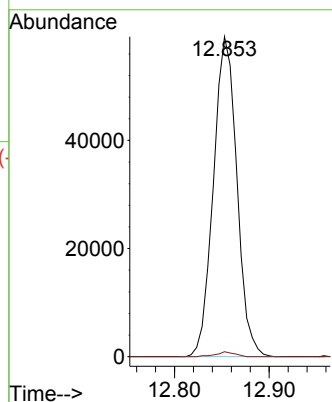
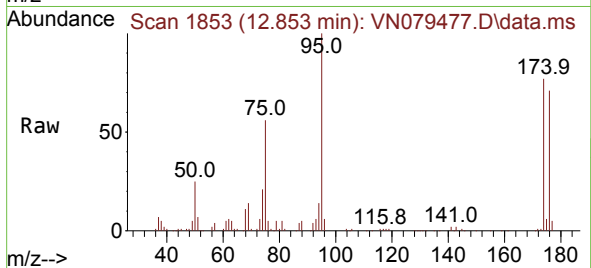




#76
1,2,3-Trichloropropane
Concen: 25.633 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 101823
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.376 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079477.D
Acq: 09 Oct 2023 17:12

Tgt Ion: 75 Resp: 101823
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

