

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079472.D
 Acq On : 09 Oct 2023 15:11
 Operator : JC\MD
 Sample : 04739-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:15:48 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)

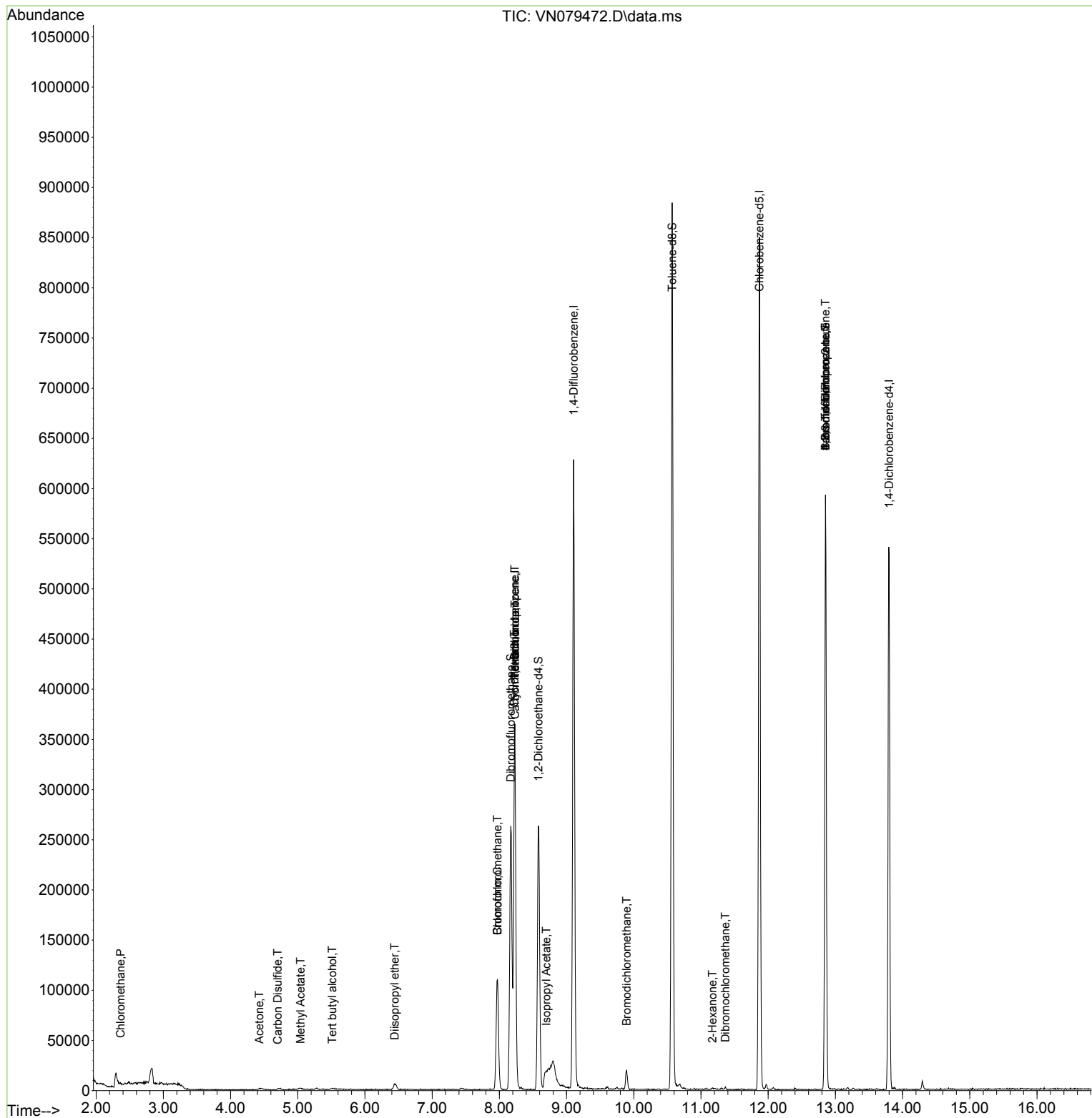
Internal Standards						
1) Pentafluorobenzene	8.230	168	250515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	507612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	470292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	141271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	217285	53.493	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.980%	
35) Dibromofluoromethane	8.171	113	187678	51.448	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.900%	
50) Toluene-d8	10.571	98	590441	44.733	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 89.460%	
62) 4-Bromofluorobenzene	12.853	95	189419	44.718	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1256	0.280	ug/l	98
11) Tert butyl alcohol	5.512	59	694	1.135	ug/l #	72
16) Acetone	4.430	43	1292	0.802	ug/l #	79
17) Carbon Disulfide	4.700	76	1870	0.203	ug/l #	75
18) Methyl Acetate	5.042	43	3419	0.434	ug/l #	65
20) Methylene Chloride	5.283	84	867	Below Cal	#	57
22) Diisopropyl ether	6.442	45	4394	0.410	ug/l #	14
28) Bromochloromethane	7.971	49	9422	3.021	ug/l #	5
30) Chloroform	7.971	83	107023	16.159	ug/l	92
31) Cyclohexane	8.224	56	7057	1.225	ug/l #	23
36) 1,1-Dichloropropene	8.230	75	22410	4.093	ug/l #	43
38) Carbon Tetrachloride	8.236	117	27746	5.062	ug/l #	17
43) Isopropyl Acetate	8.700	43	21299	2.232	ug/l #	49
47) Bromodichloromethane	9.894	83	12955	2.270	ug/l	91
59) 2-Hexanone	11.171	43	1707	0.439	ug/l #	19
60) Dibromochloromethane	11.365	129	1213	0.314	ug/l	69
71) Bromoform	12.853	173	1606	0.572	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	155	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	106577	26.165	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	106577	75.920	ug/l #	15
90) Hexachloroethane	14.453	117	73	Below Cal	#	21

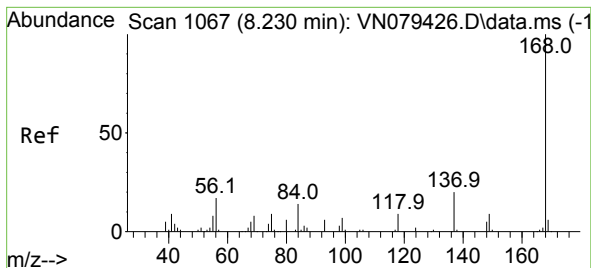
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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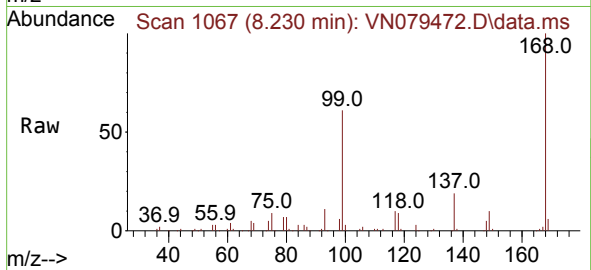
Quant Time: Oct 09 23:15:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



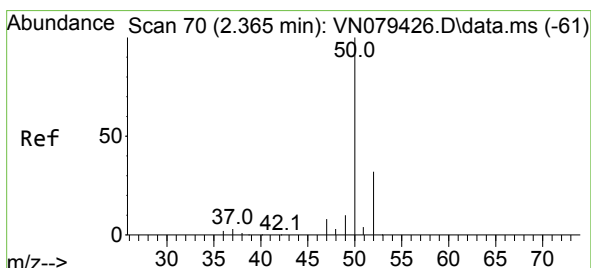
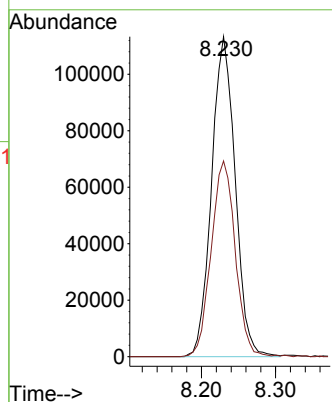
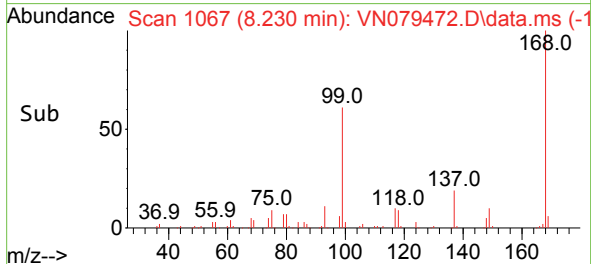


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

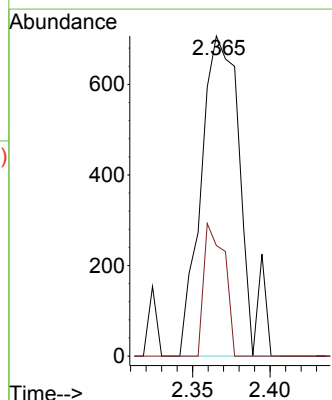
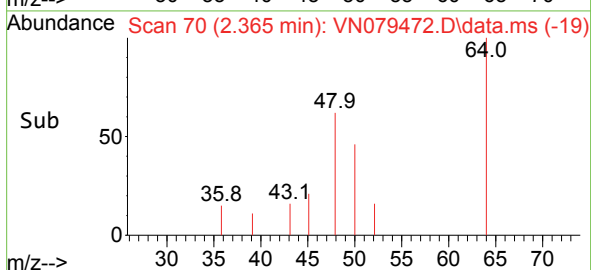
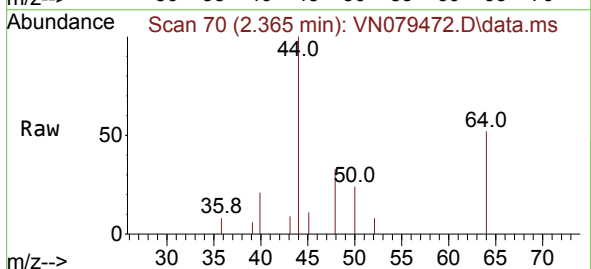


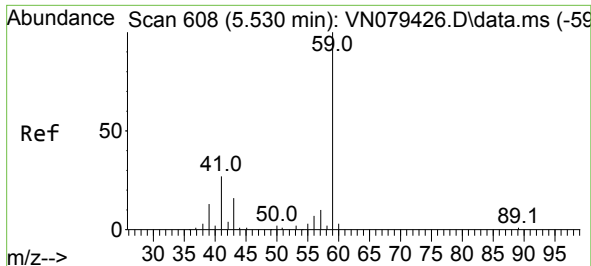
Tgt Ion:168 Resp: 250515
Ion Ratio Lower Upper
168 100
99 61.2 53.0 79.6



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Tgt Ion: 50 Resp: 1256
Ion Ratio Lower Upper
50 100
52 34.5 26.5 39.7

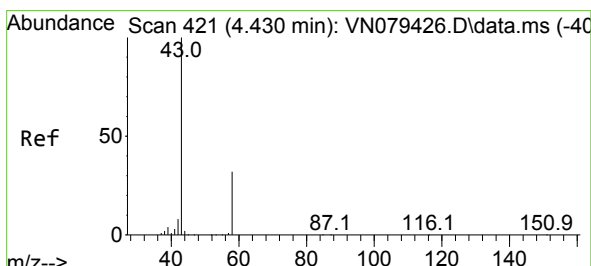
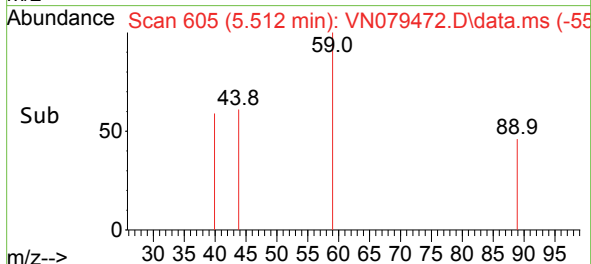
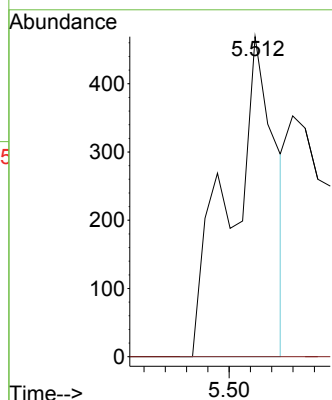
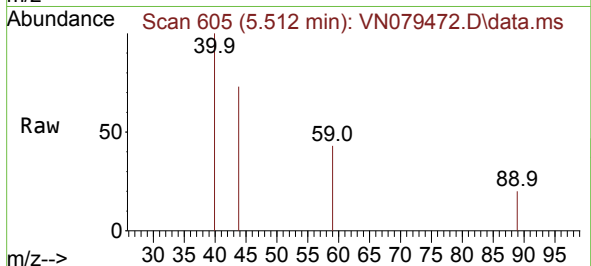




#11
Tert butyl alcohol
Concen: 1.135 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

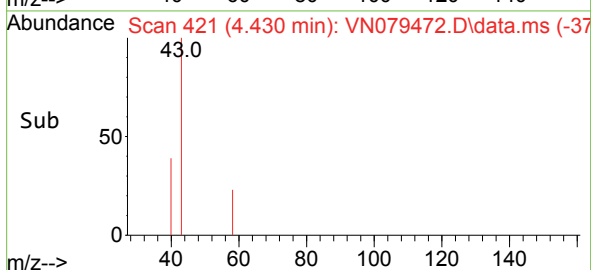
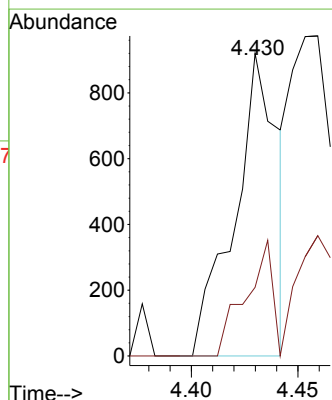
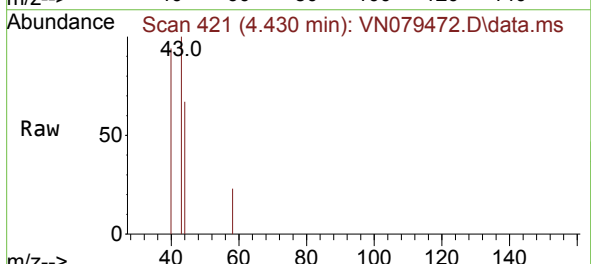
Instrument :
MSVOA_N
ClientSampleId :

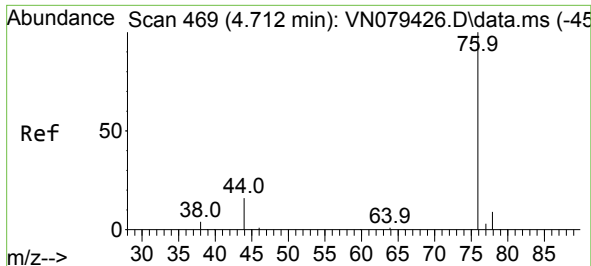
Tgt Ion: 59 Resp: 694
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.802 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

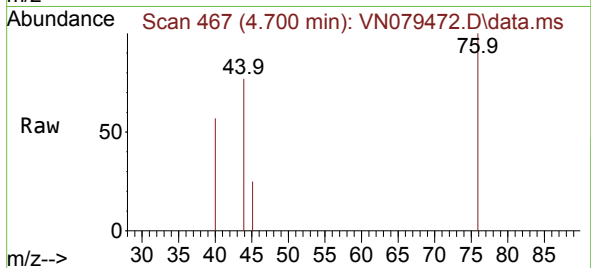
Tgt Ion: 43 Resp: 1292
Ion Ratio Lower Upper
43 100
58 22.7 28.0 42.0#



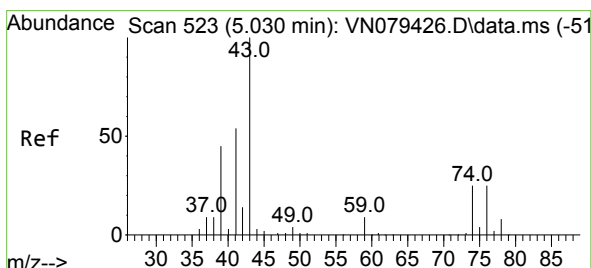
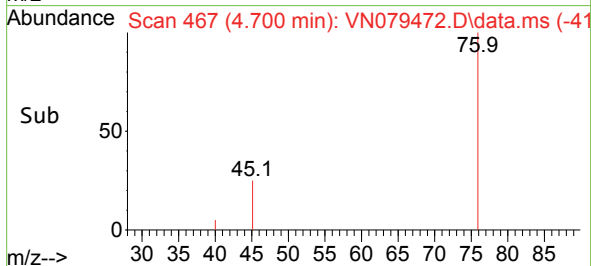
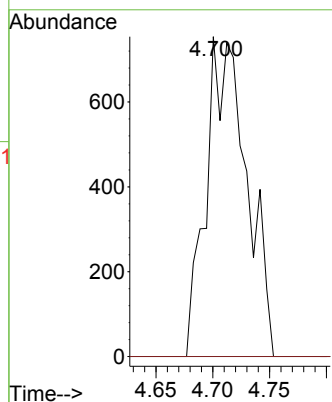


#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

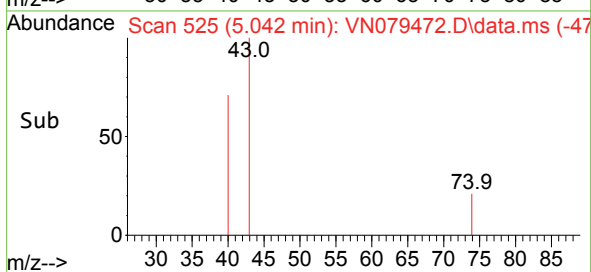
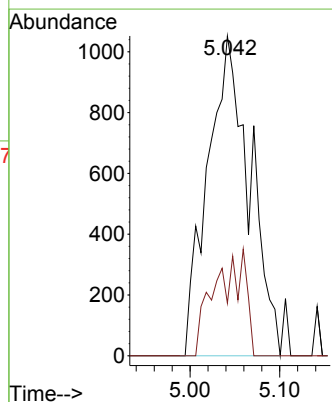
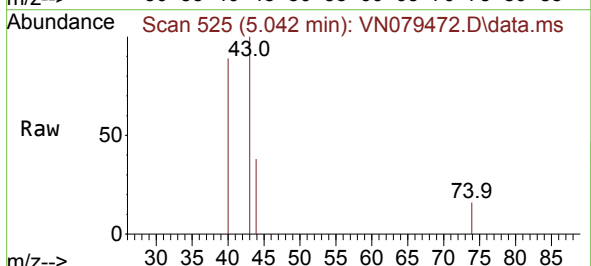


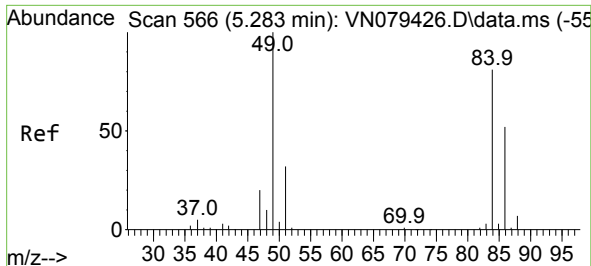
Tgt Ion: 76 Resp: 1870
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.434 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

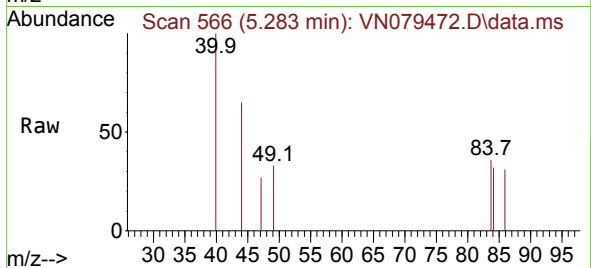
Tgt Ion: 43 Resp: 3419
Ion Ratio Lower Upper
43 100
74 13.0 26.2 39.4#



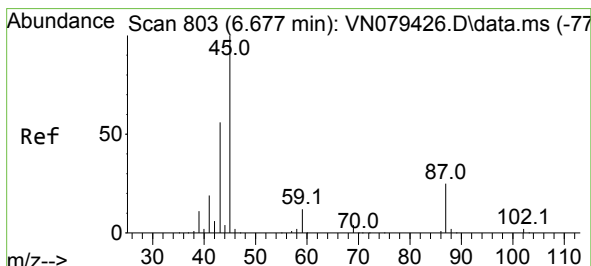
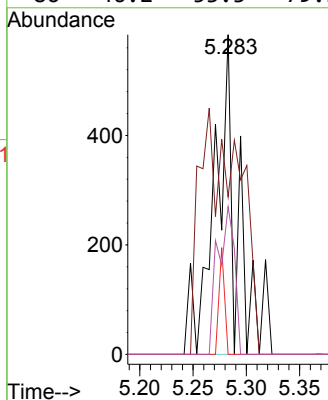
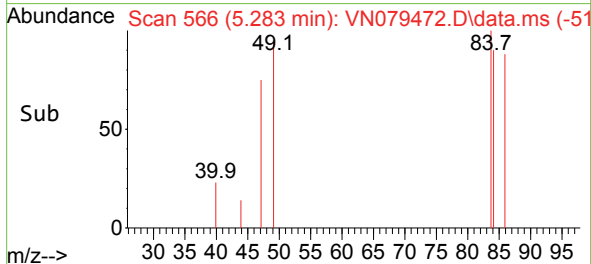


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

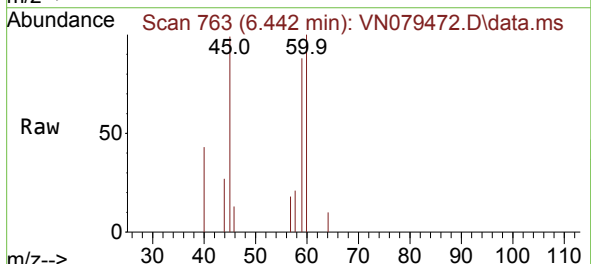
Instrument :
MSVOA_N
ClientSampleId :



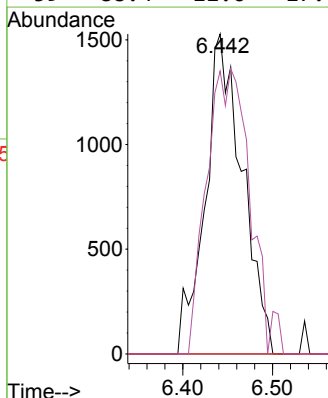
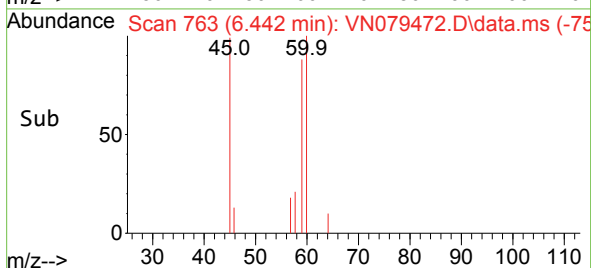
Tgt Ion: 84 Resp: 867
Ion Ratio Lower Upper
84 100
49 49.3 79.7 119.5#
51 0.0 25.2 37.8#
86 46.2 53.3 79.9#

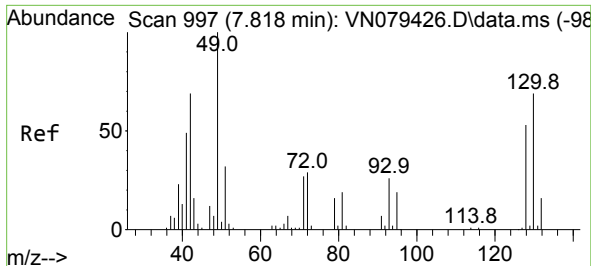


#22
Diisopropyl ether
Concen: 0.410 ug/l
RT: 6.442 min Scan# 763
Delta R.T. -0.235 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11



Tgt Ion: 45 Resp: 4394
Ion Ratio Lower Upper
45 100
43 0.0 45.5 68.3#
87 0.0 31.8 47.8#
59 88.4 11.6 17.4#

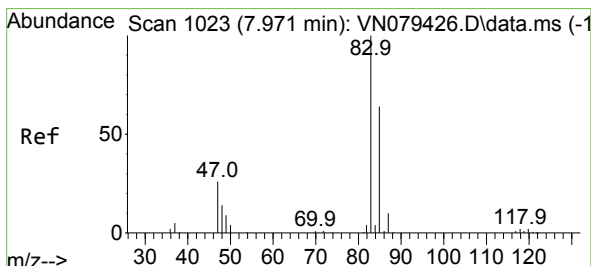
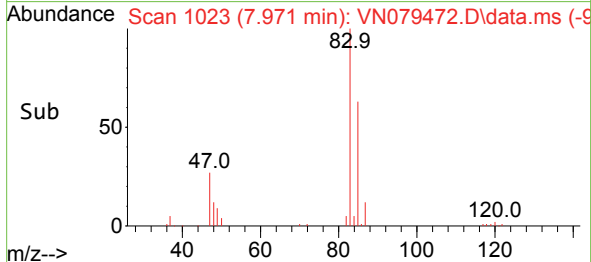
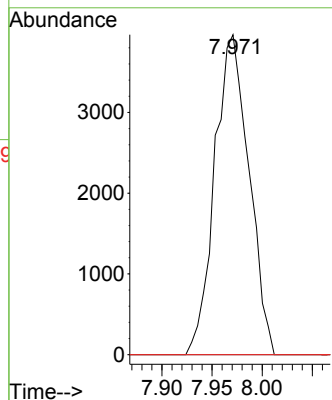
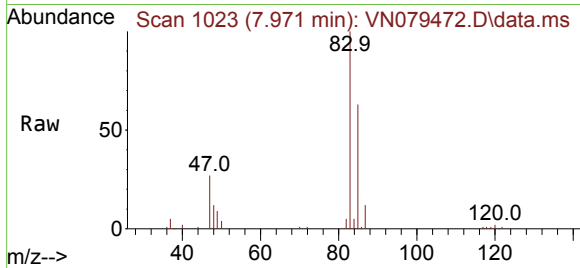




#28
Bromochloromethane
Concen: 3.021 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.153 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

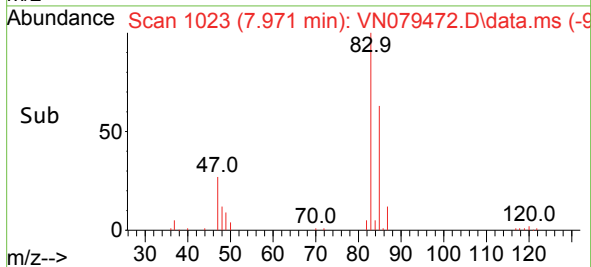
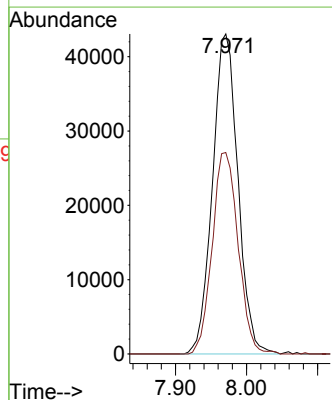
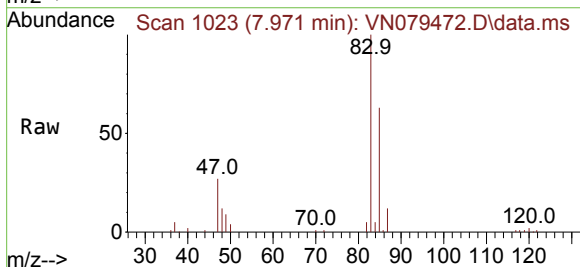
Instrument :
MSVOA_N
ClientSampleId :

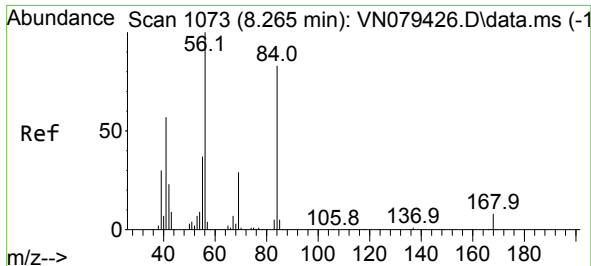
Tgt Ion: 49 Resp: 9422
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#



#30
Chloroform
Concen: 16.159 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

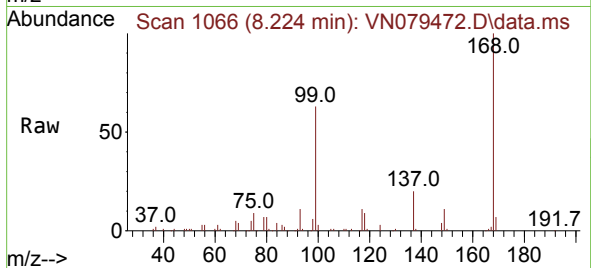
Tgt Ion: 83 Resp: 107023
Ion Ratio Lower Upper
83 100
85 63.0 55.4 83.0



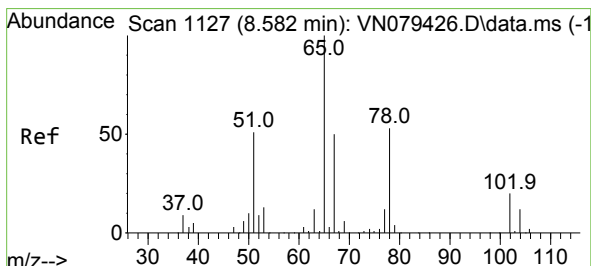
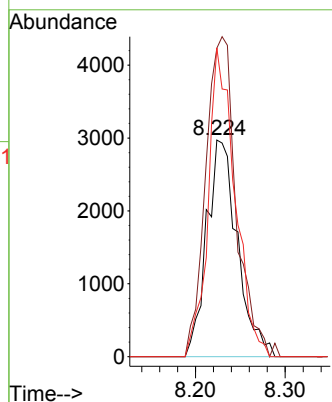
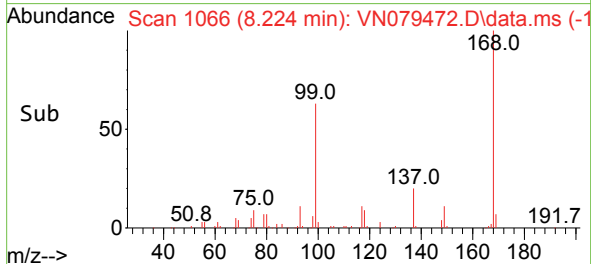


#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

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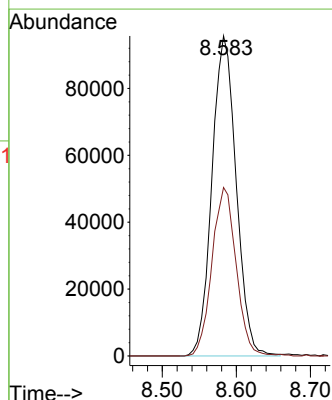
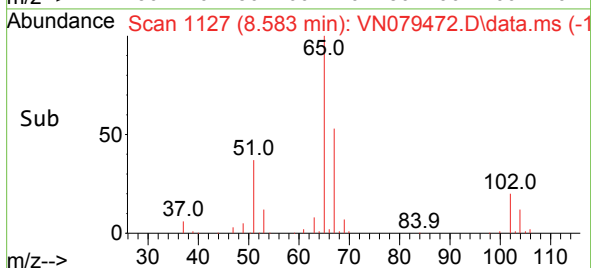
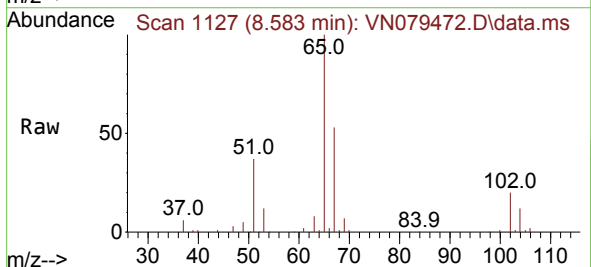


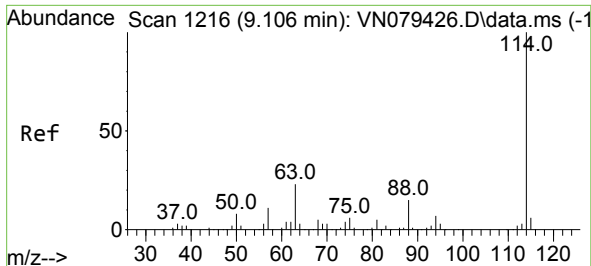
Tgt Ion: 56 Resp: 7057
Ion Ratio Lower Upper
56 100
69 142.4 26.8 40.2#
84 142.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.493 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Tgt Ion: 65 Resp: 217285
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079472.D

Acq: 09 Oct 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

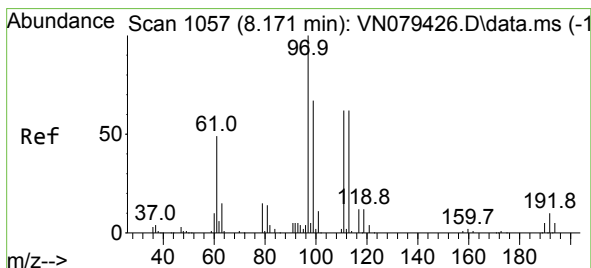
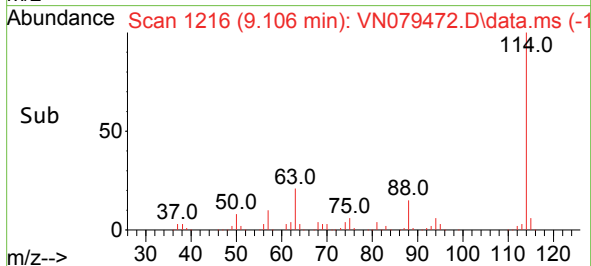
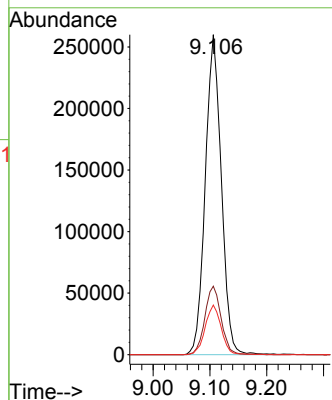
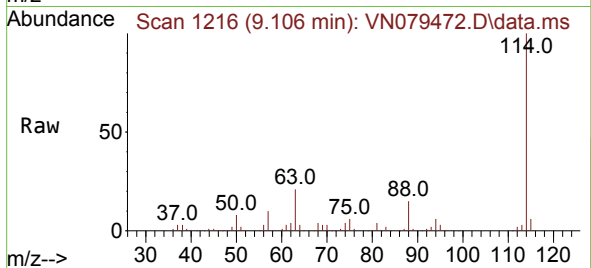
Tgt Ion:114 Resp: 507612

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.448 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079472.D

Acq: 09 Oct 2023 15:11

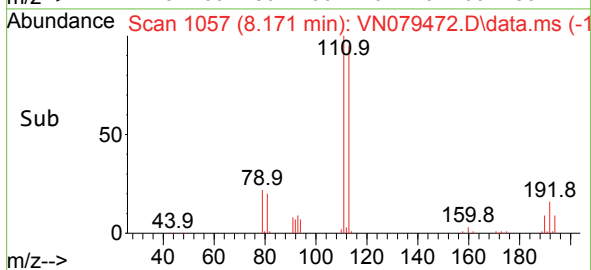
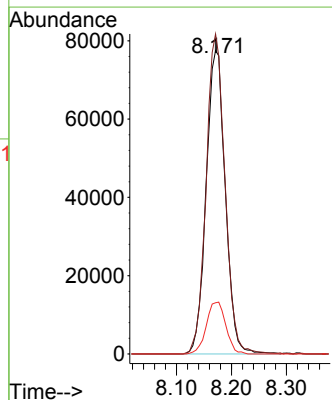
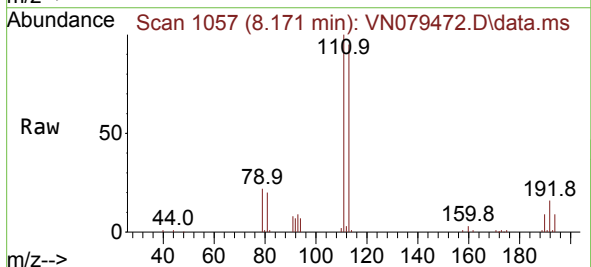
Tgt Ion:113 Resp: 187678

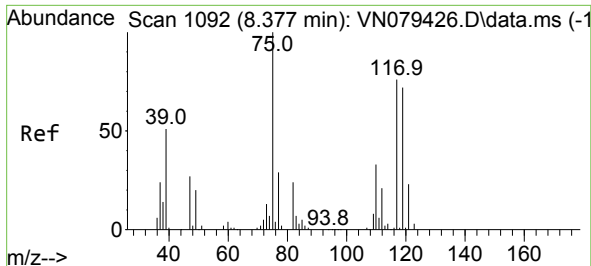
Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 17.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.093 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

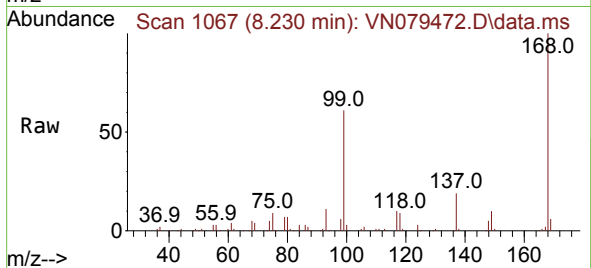
Lab File: VN079472.D

Acq: 09 Oct 2023 15:11

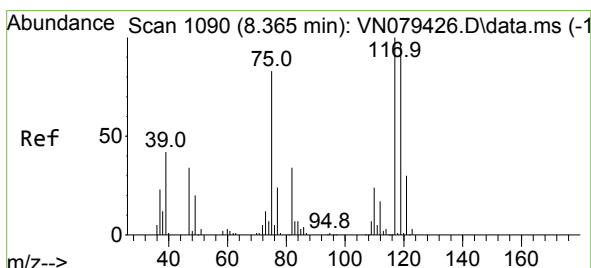
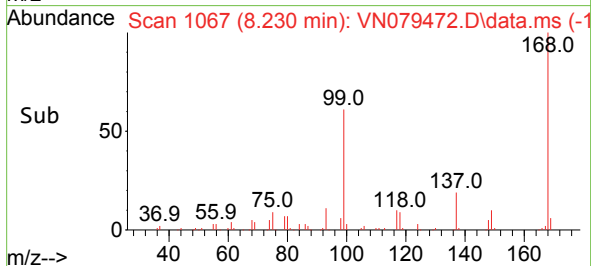
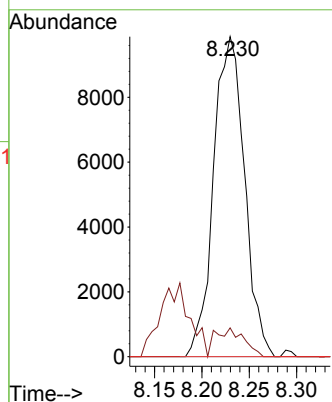
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 22410
Ion Ratio	Lower Upper
75	100
110	3.3 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.062 ug/l

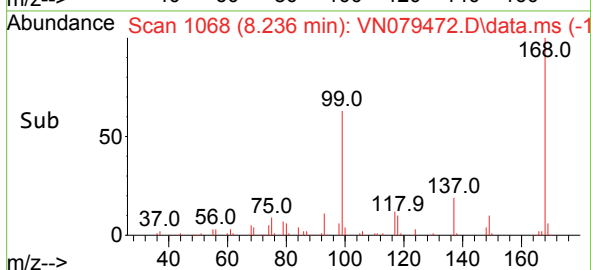
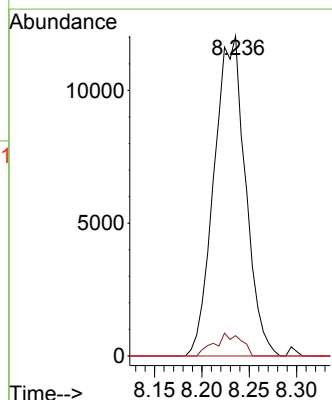
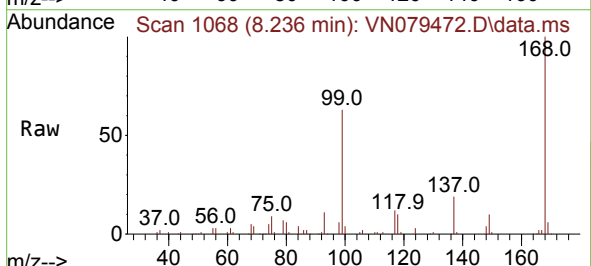
RT: 8.236 min Scan# 1068

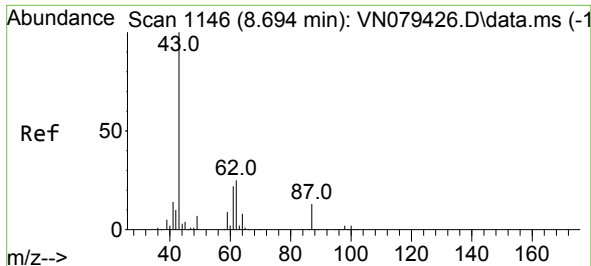
Delta R.T. -0.129 min

Lab File: VN079472.D

Acq: 09 Oct 2023 15:11

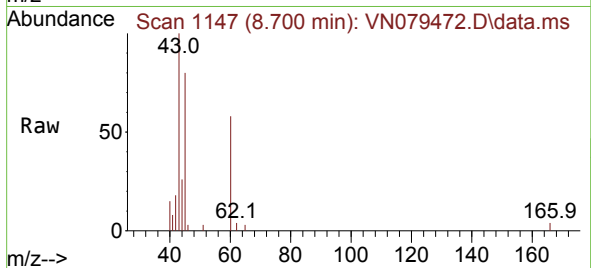
Tgt Ion: 117	Resp: 27746
Ion Ratio	Lower Upper
117	100
119	6.3 77.3 115.9#
121	0.0 23.3 34.9#



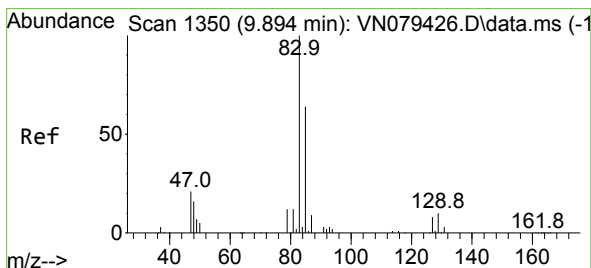
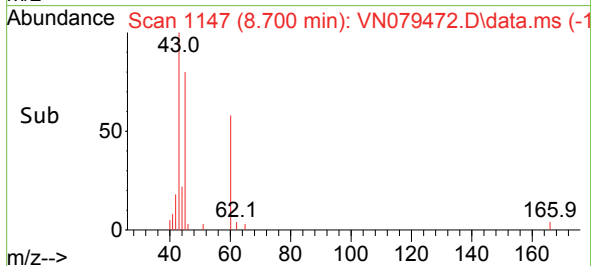
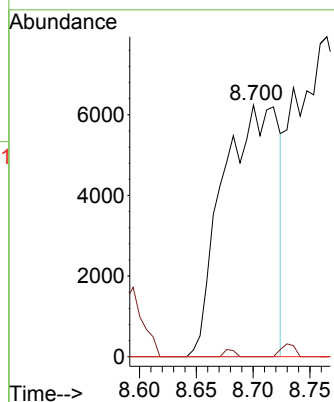


#43
Isopropyl Acetate
Concen: 2.232 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :

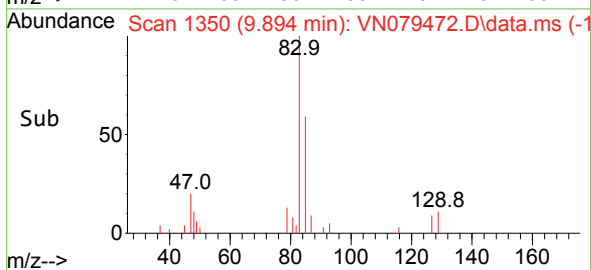
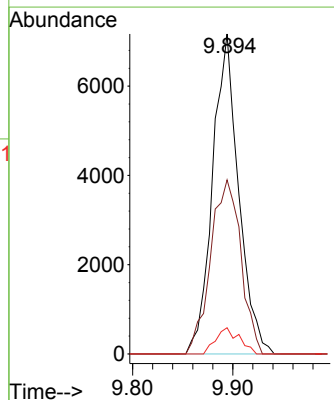
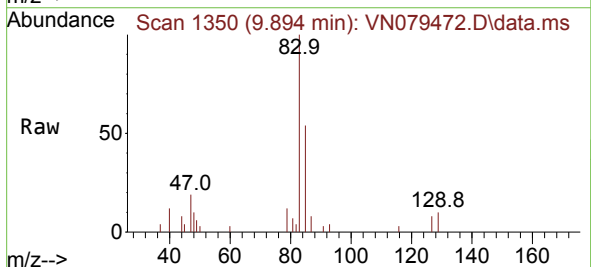


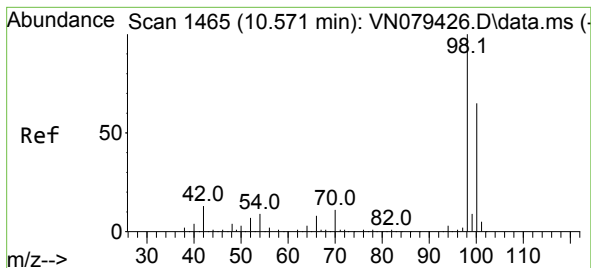
Tgt Ion: 43 Resp: 21299
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#47
Bromodichloromethane
Concen: 2.270 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Tgt Ion: 83 Resp: 12955
Ion Ratio Lower Upper
83 100
85 54.4 49.6 74.4
127 8.2 7.0 10.6

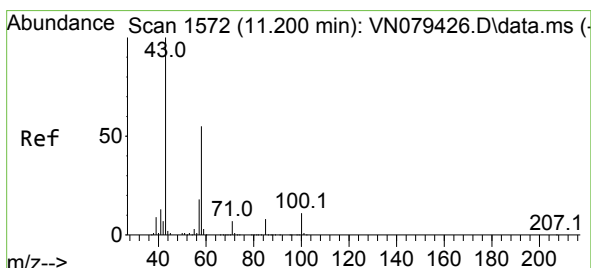
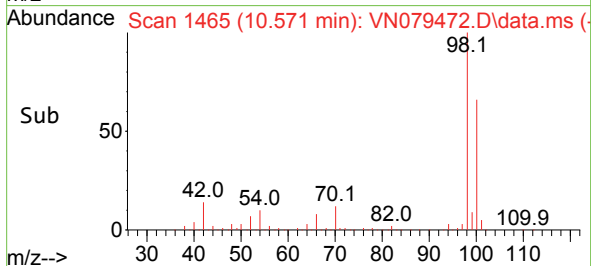
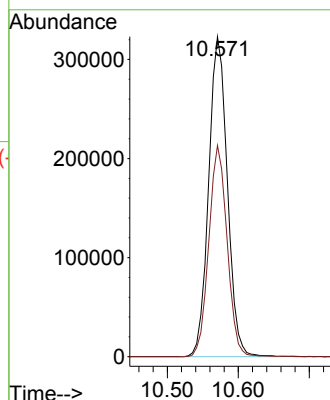
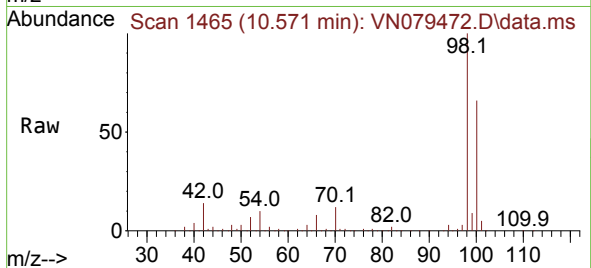




#50
Toluene-d8
Concen: 44.733 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

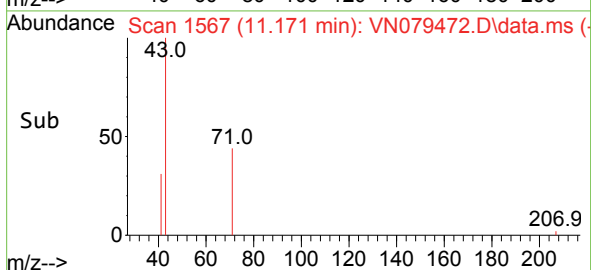
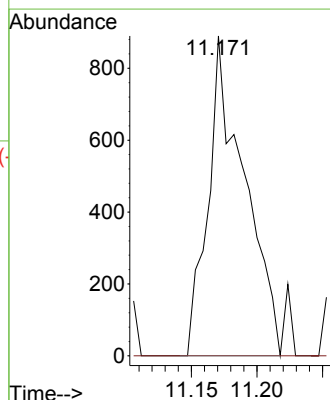
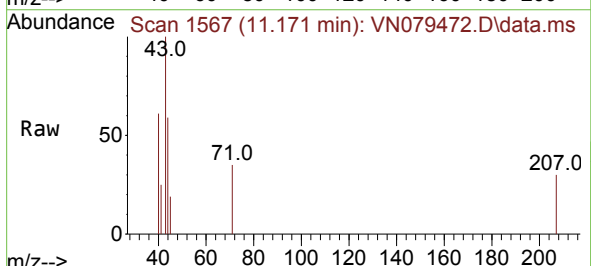
Instrument :
MSVOA_N
ClientSampleId :

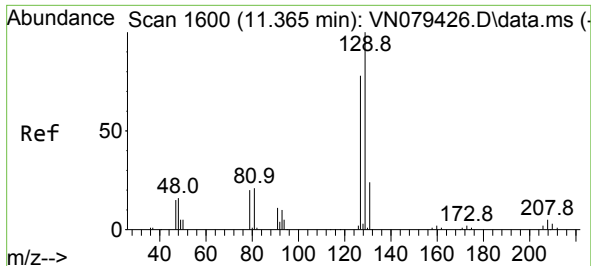
Tgt Ion: 98 Resp: 590441
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#59
2-Hexanone
Concen: 0.439 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.029 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

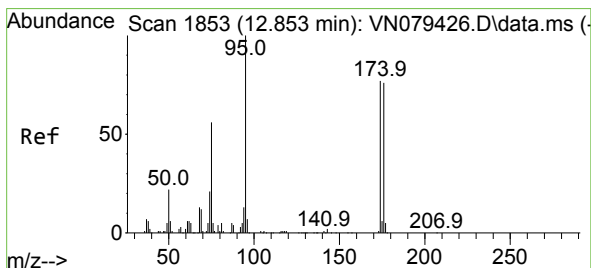
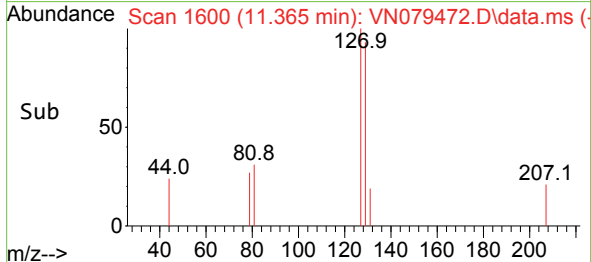
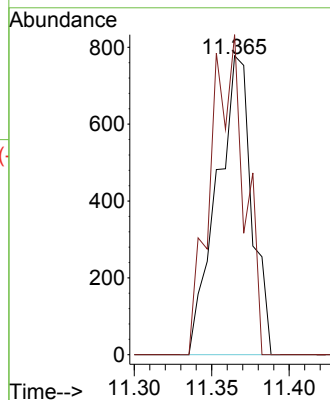
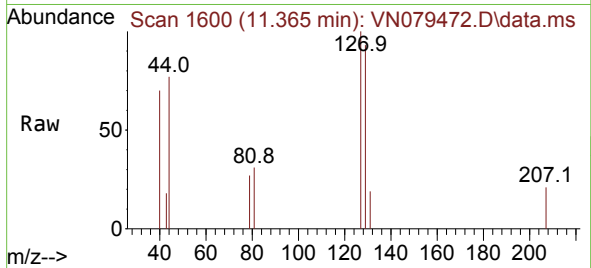




#60
Dibromochloromethane
Concen: 0.314 ug/l
RT: 11.365 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

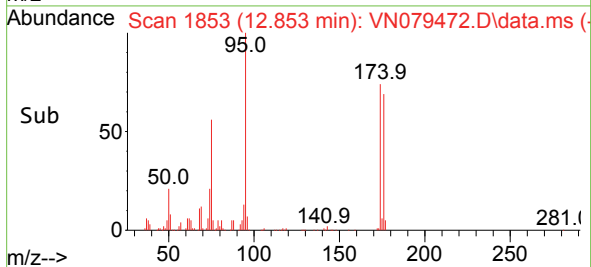
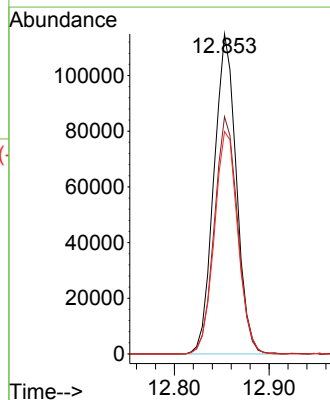
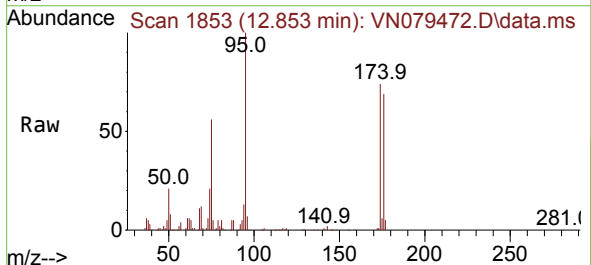
Instrument :
MSVOA_N
ClientSampleId :

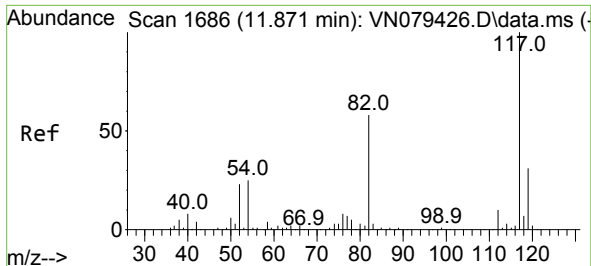
Tgt Ion:129 Resp: 1213
Ion Ratio Lower Upper
129 100
127 104.0 38.6 116.0



#62
4-Bromofluorobenzene
Concen: 44.718 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Tgt Ion: 95 Resp: 189419
Ion Ratio Lower Upper
95 100
174 76.7 0.0 143.8
176 72.9 0.0 135.8

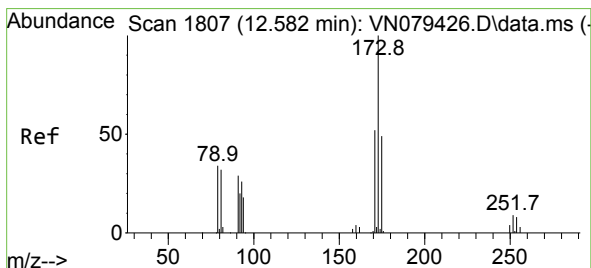
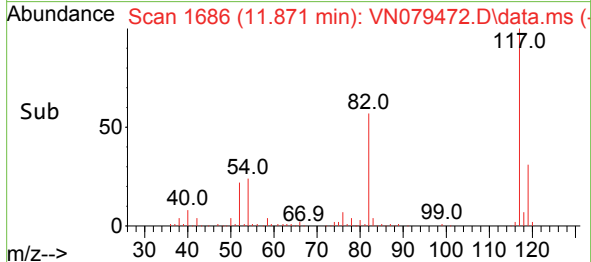
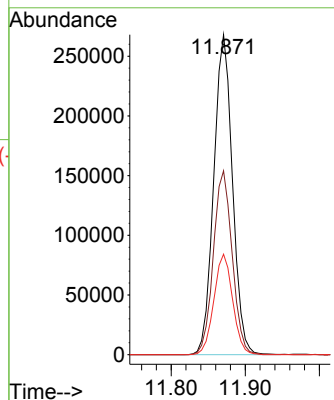
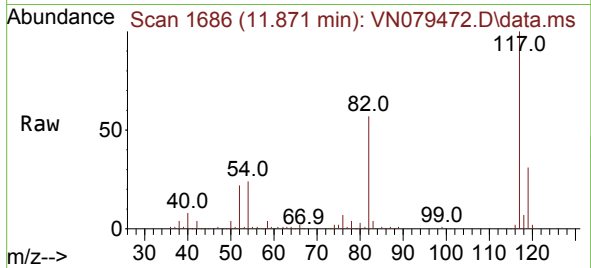




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

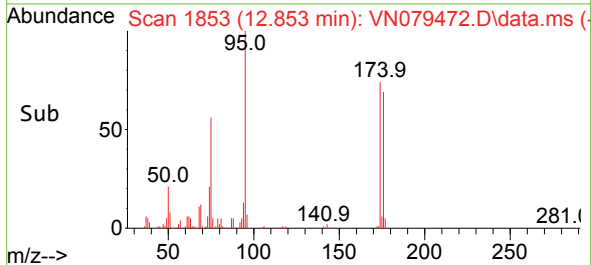
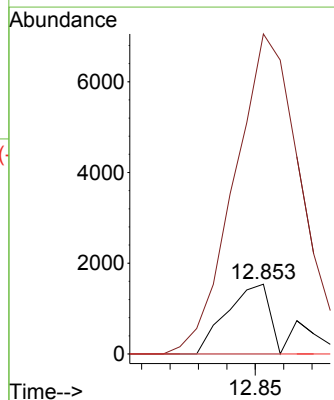
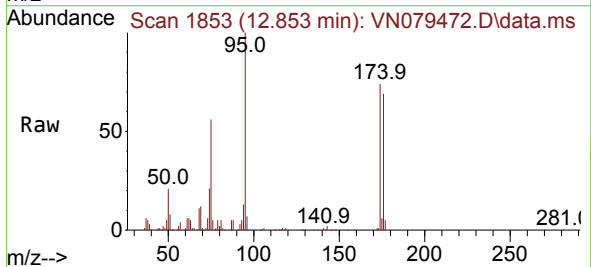
Instrument :
MSVOA_N
ClientSampleId :

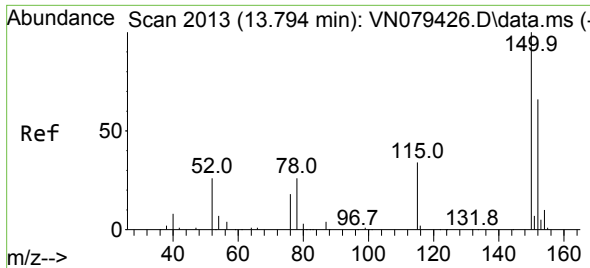
Tgt Ion:117 Resp: 470292
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 31.4 25.6 38.4



#71
Bromoform
Concen: 0.572 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Tgt Ion:173 Resp: 1606
Ion Ratio Lower Upper
173 100
175 536.5 24.3 73.0#
254 0.0 0.0 0.0

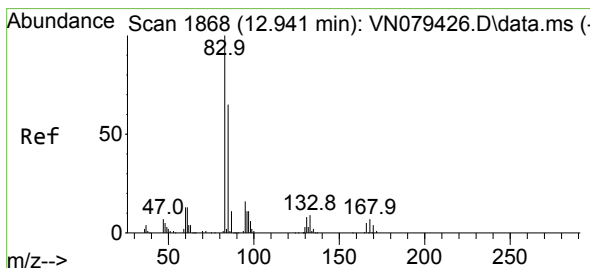
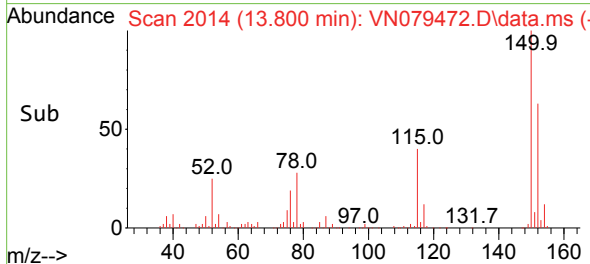
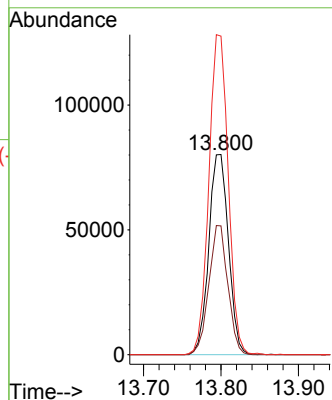
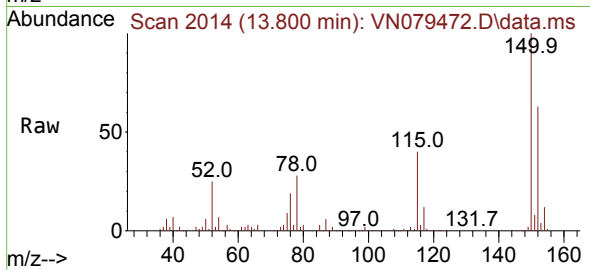




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN079472.D
 Acq: 09 Oct 2023 15:11

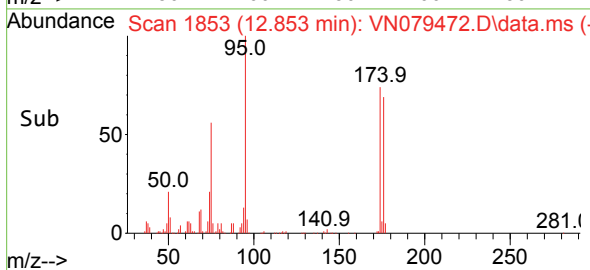
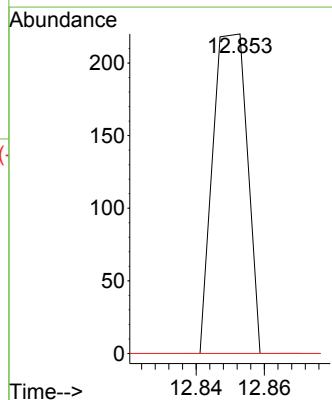
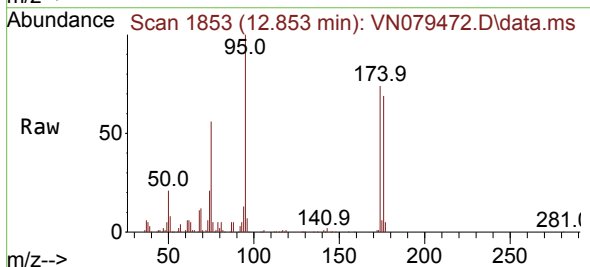
Instrument :
 MSVOA_N
 ClientSampleId :

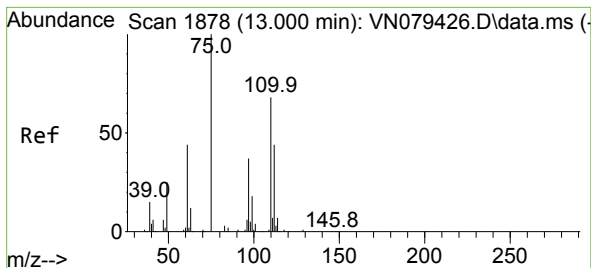
Tgt Ion:152 Resp: 141271
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.3 96.8
 150 157.4 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.088 min
 Lab File: VN079472.D
 Acq: 09 Oct 2023 15:11

Tgt Ion: 83 Resp: 155
 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: 26.165 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079472.D

Acq: 09 Oct 2023 15:11

Instrument :

MSVOA_N

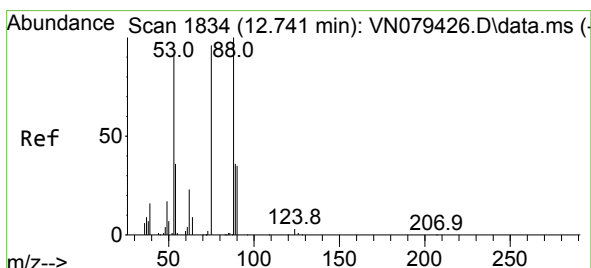
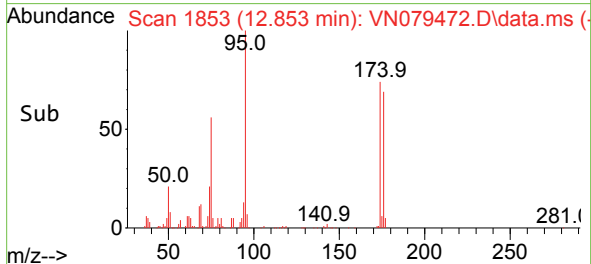
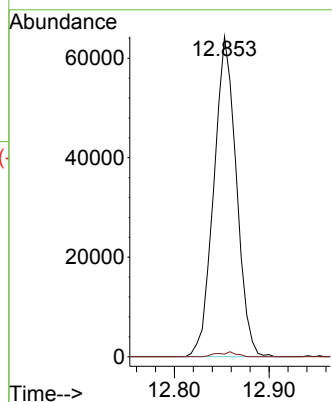
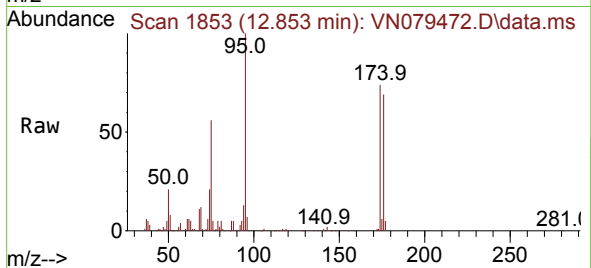
ClientSampleId :

Tgt Ion: 75 Resp: 106577

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.920 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079472.D

Acq: 09 Oct 2023 15:11

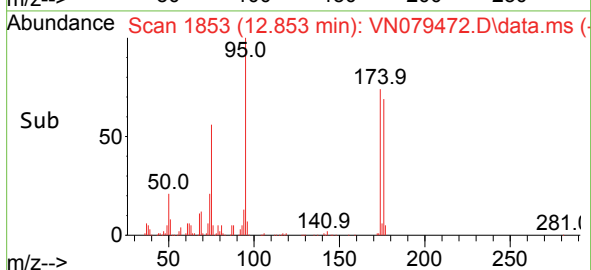
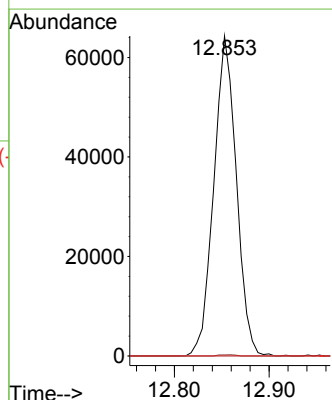
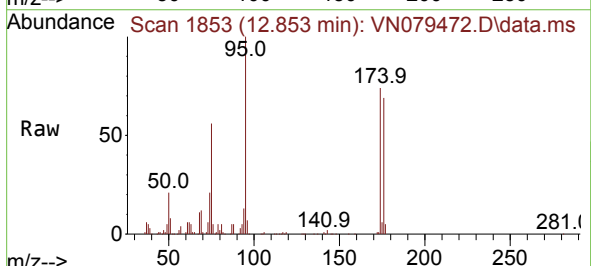
Tgt Ion: 75 Resp: 106577

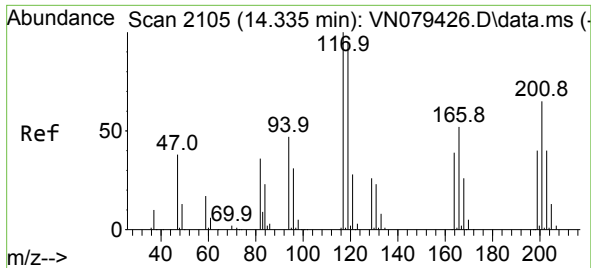
Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

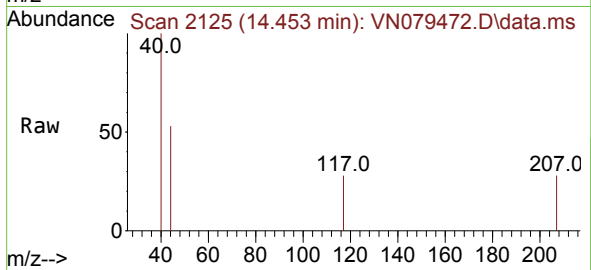
89 0.0 38.8 58.2#





#90
Hexachloroethane
Concen: Below Cal
RT: 14.453 min Scan# 21
Delta R.T. 0.118 min
Lab File: VN079472.D
Acq: 09 Oct 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 73
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

