

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079777.D
 Acq On : 01 Nov 2023 17:31
 Operator : JC\MD
 Sample : 05173-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:57:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

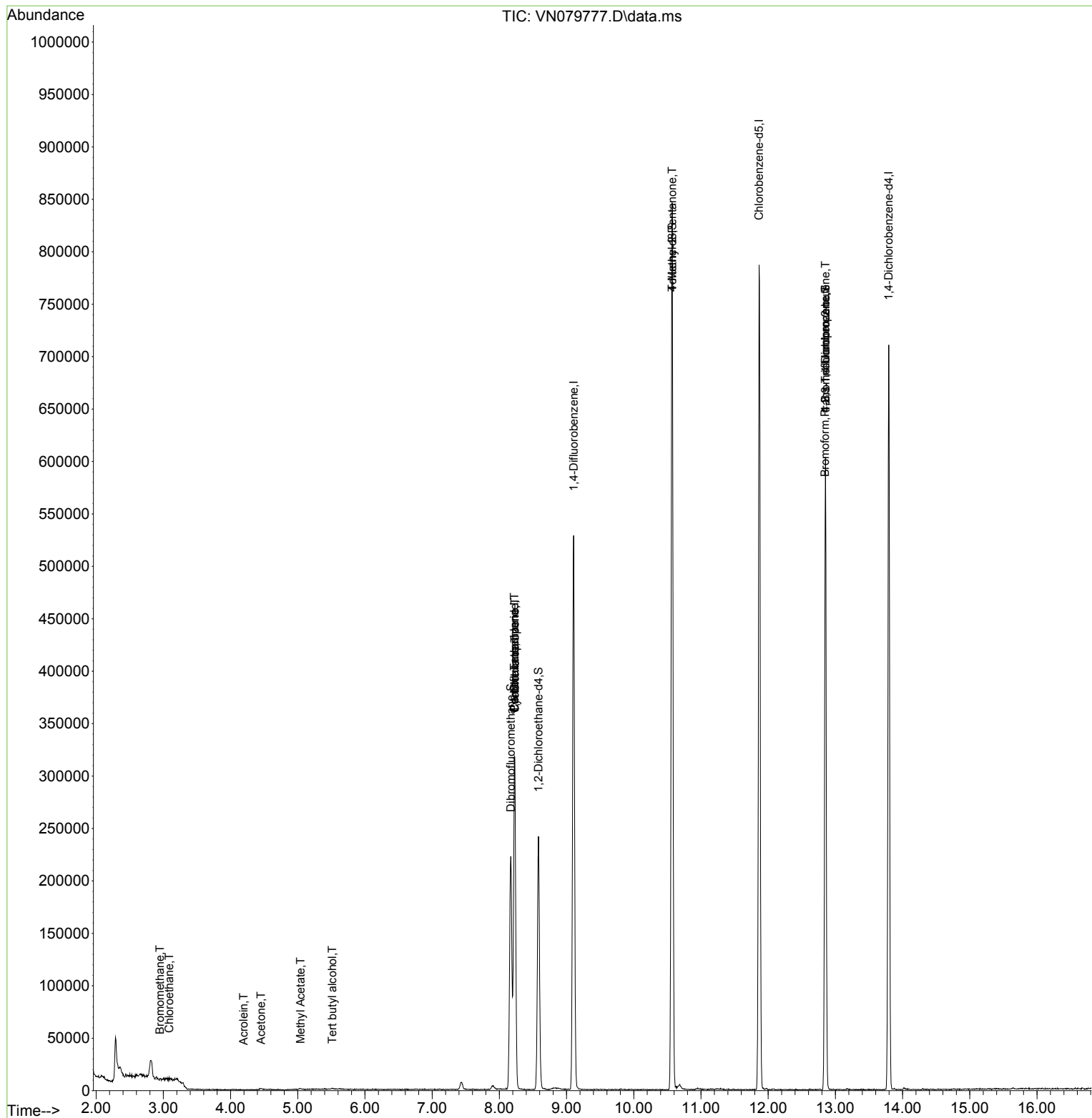
Internal Standards						
1) Pentafluorobenzene	8.224	168	225431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	442993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	448830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	186389	54.269	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.540%	
35) Dibromofluoromethane	8.171	113	161619	51.548	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.100%	
50) Toluene-d8	10.571	98	571271	49.494	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.853	95	196117	51.232	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1844	Below Cal	#	88
5) Bromomethane	2.947	94	719	0.333	ug/l #	20
6) Chloroethane	3.089	64	851	0.303	ug/l #	43
11) Tert butyl alcohol	5.512	59	624	1.423	ug/l #	72
13) Acrolein	4.194	56	60	2.724	ug/l #	16
16) Acetone	4.453	43	2028	1.681	ug/l #	71
18) Methyl Acetate	5.041	43	1382	0.239	ug/l #	49
31) Cyclohexane	8.229	56	5314	1.171	ug/l #	55
36) 1,1-Dichloropropene	8.229	75	20236	4.520	ug/l #	47
38) Carbon Tetrachloride	8.224	117	24003	5.320	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	2762	0.681	ug/l #	1
71) Bromoform	12.847	173	1499	0.602	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	106486	24.922	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	106486	67.808	ug/l #	15

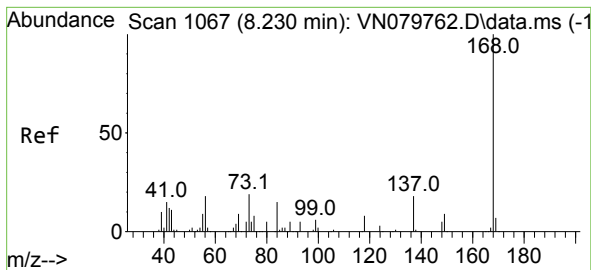
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN079777.D

Acq: 01 Nov 2023 17:31

Instrument :

MSVOA_N

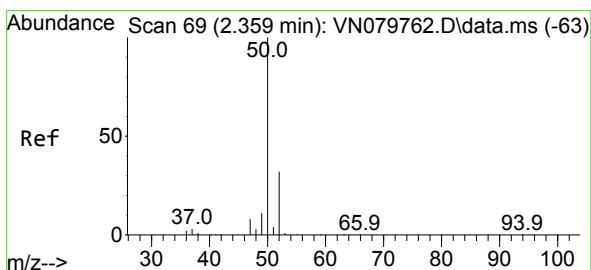
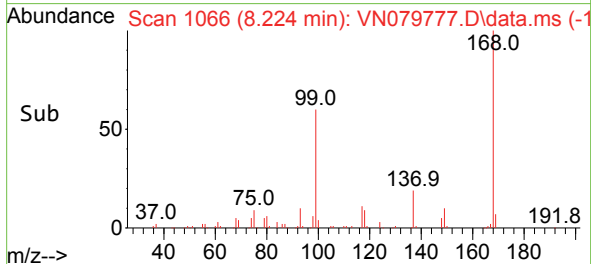
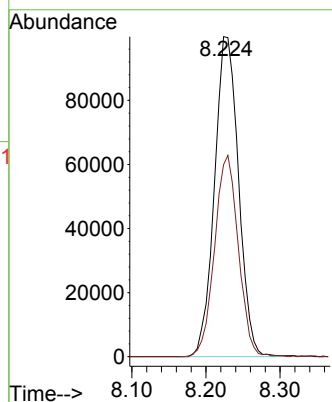
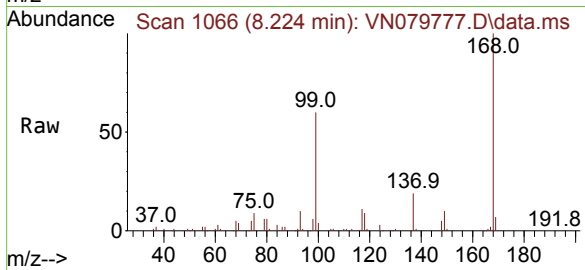
ClientSampleId :

Tgt Ion:168 Resp: 225431

Ion Ratio Lower Upper

168 100

99 60.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079777.D

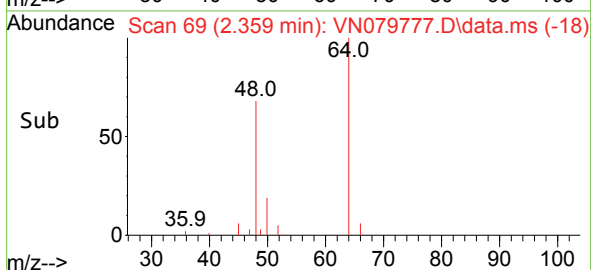
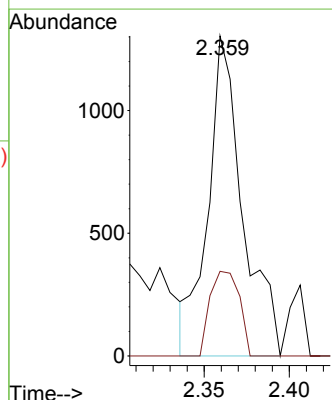
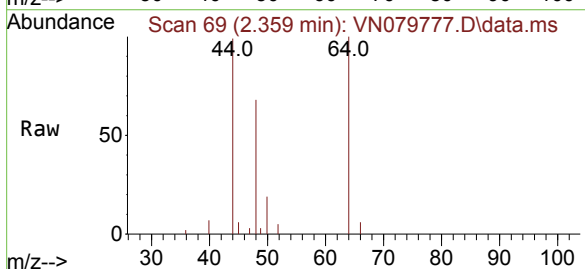
Acq: 01 Nov 2023 17:31

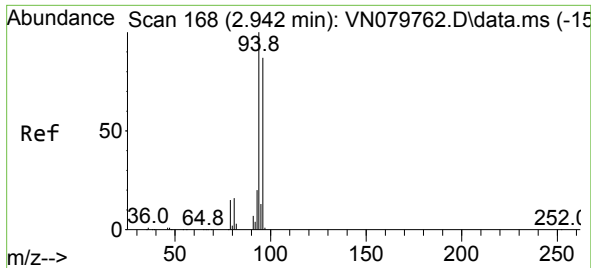
Tgt Ion: 50 Resp: 1844

Ion Ratio Lower Upper

50 100

52 26.5 26.5 39.7#

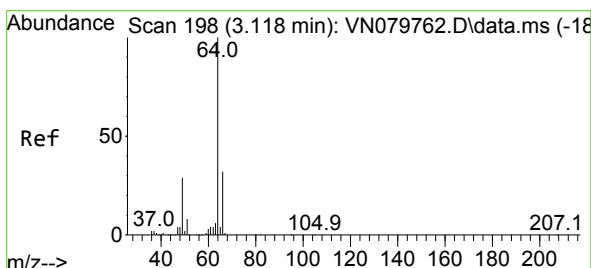
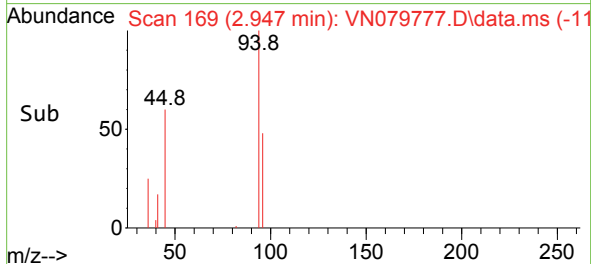
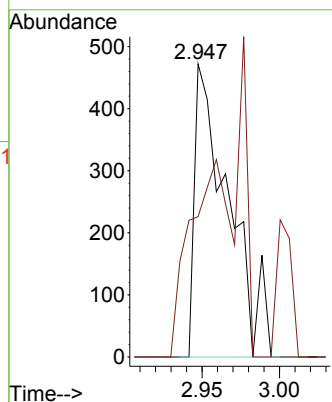
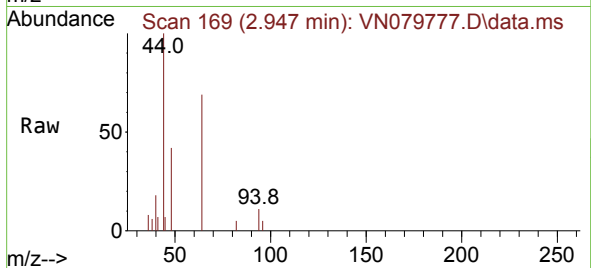




#5
Bromomethane
Concen: 0.333 ug/l
RT: 2.947 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

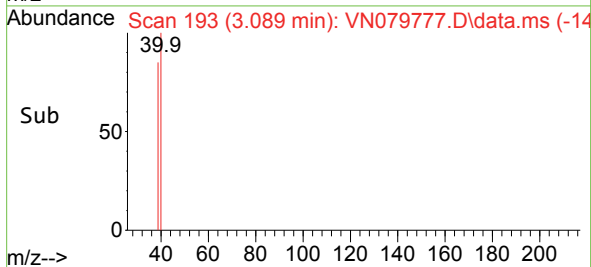
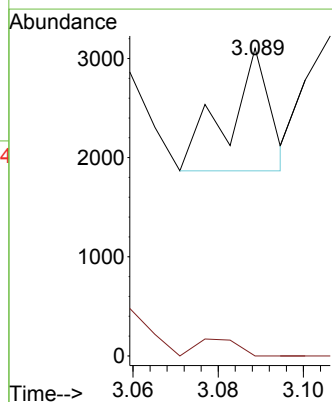
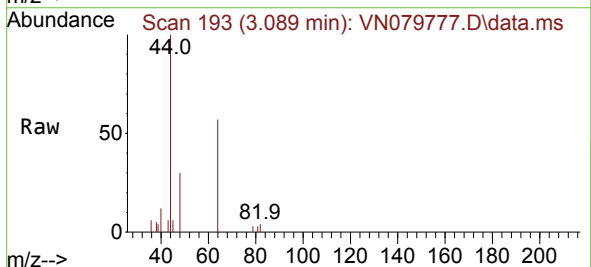
Instrument :
MSVOA_N
ClientSampleId :

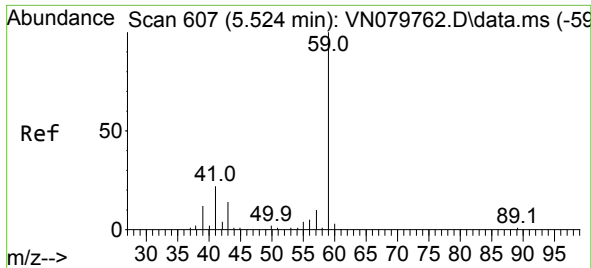
Tgt Ion: 94 Resp: 719
Ion Ratio Lower Upper
94 100
96 15.3 73.1 109.7#



#6
Chloroethane
Concen: 0.303 ug/l
RT: 3.089 min Scan# 193
Delta R.T. -0.029 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

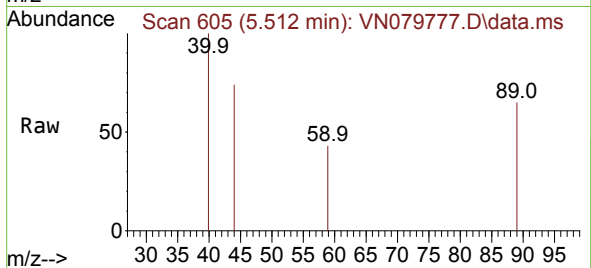
Tgt Ion: 64 Resp: 851
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



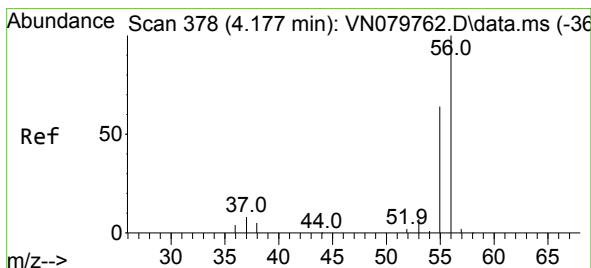
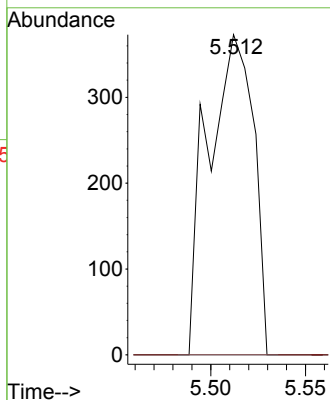
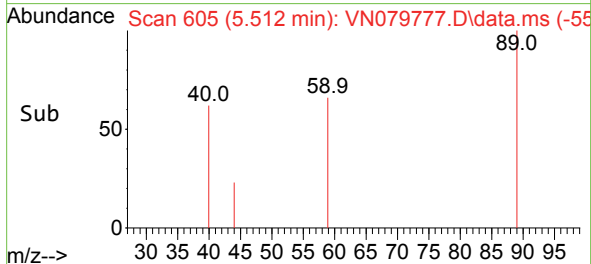


#11
Tert butyl alcohol
Concen: 1.423 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :

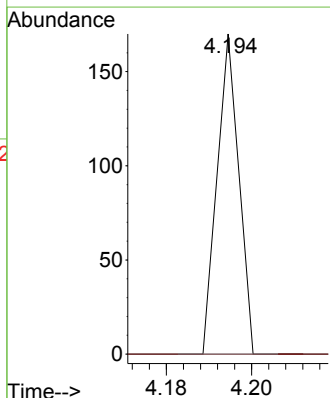
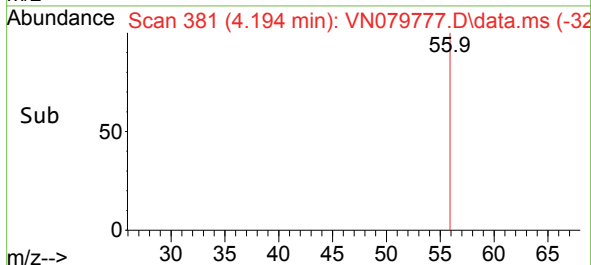
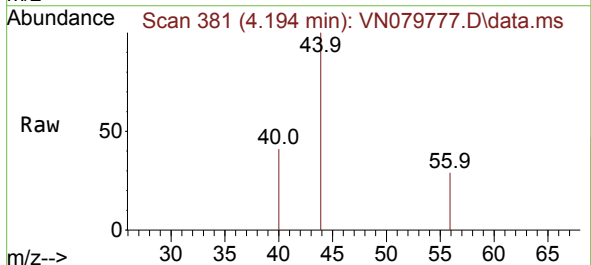


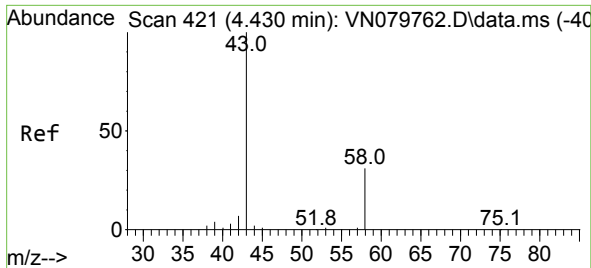
Tgt Ion: 59 Resp: 624
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.724 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.011 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

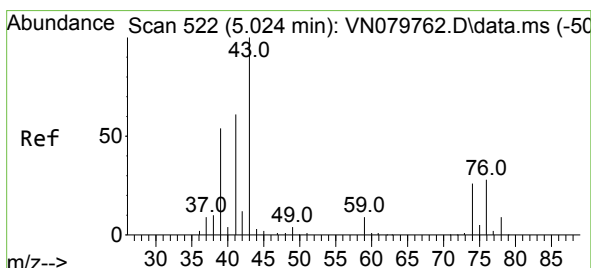
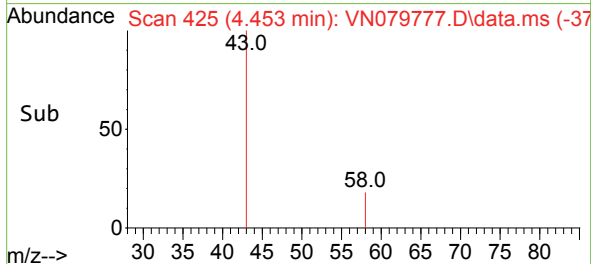
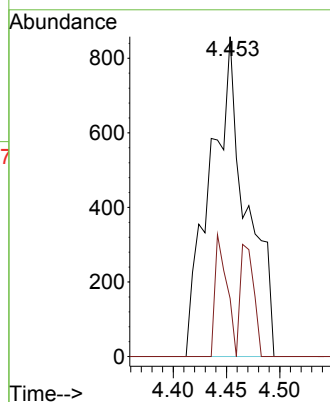
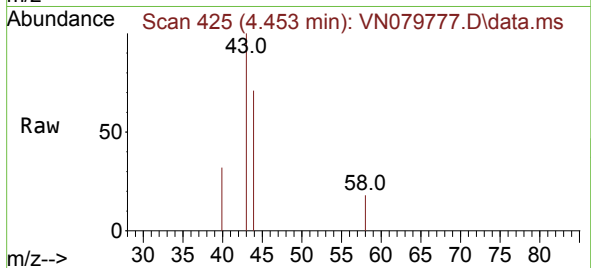




#16
Acetone
Concen: 1.681 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

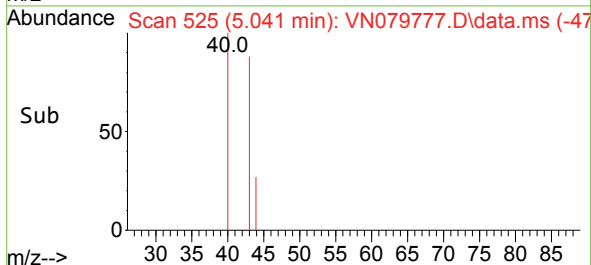
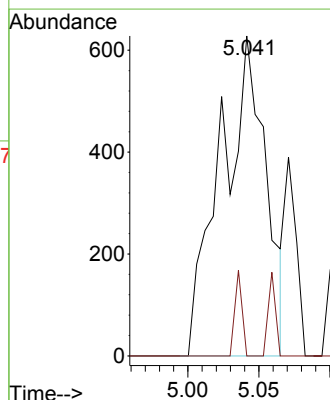
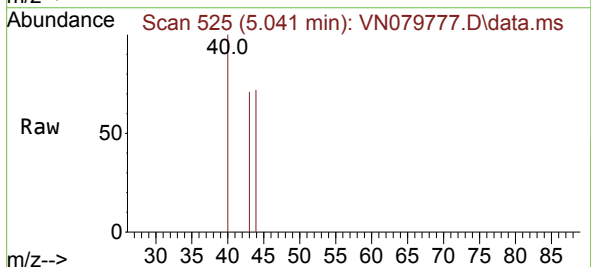
Instrument :
MSVOA_N
ClientSampleId :

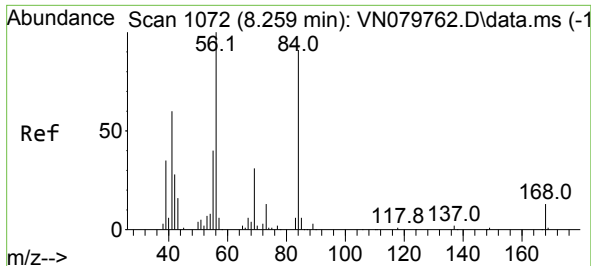
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
58 18.2 28.0 42.0#



#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

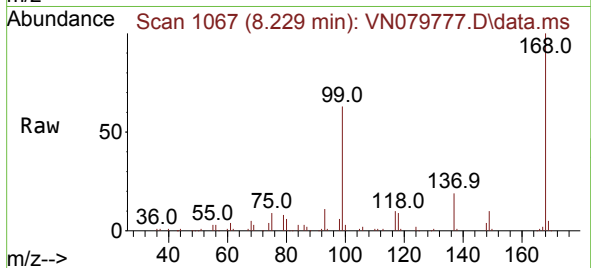
Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
74 4.3 26.2 39.4#



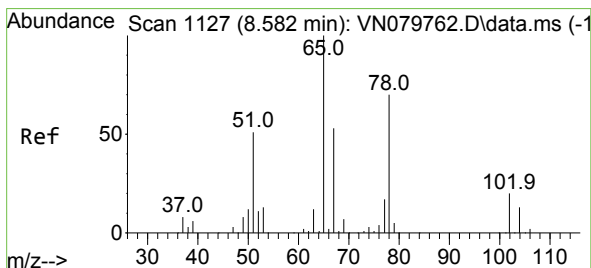
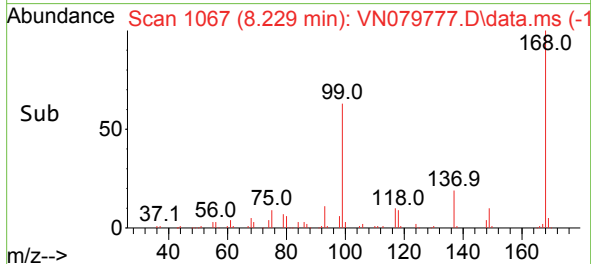
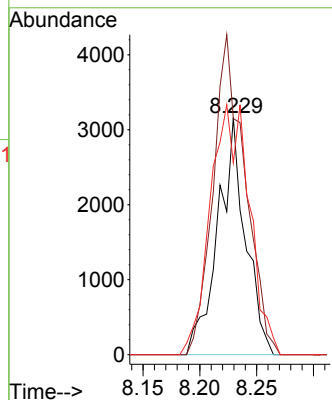


#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :

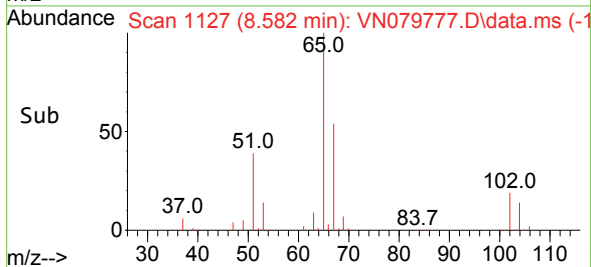
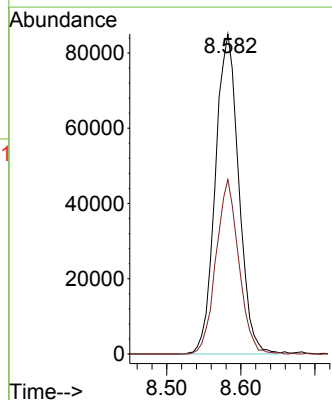
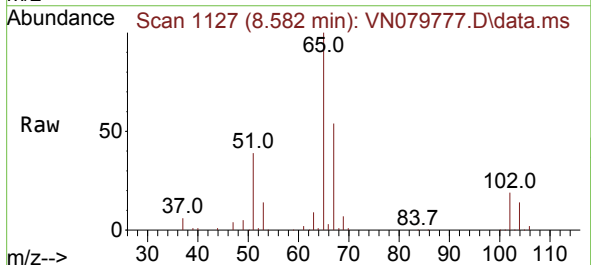


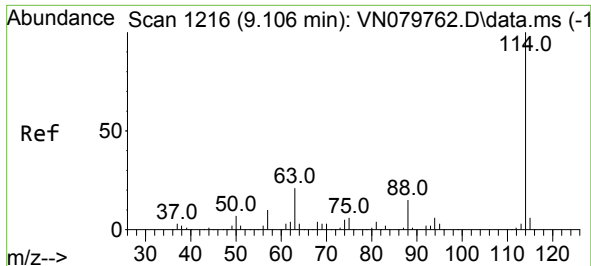
Tgt Ion: 56 Resp: 5314
Ion Ratio Lower Upper
56 100
69 99.6 26.8 40.2#
84 80.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 54.269 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

Tgt Ion: 65 Resp: 186389
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6

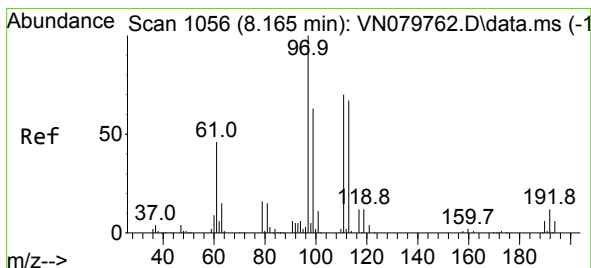
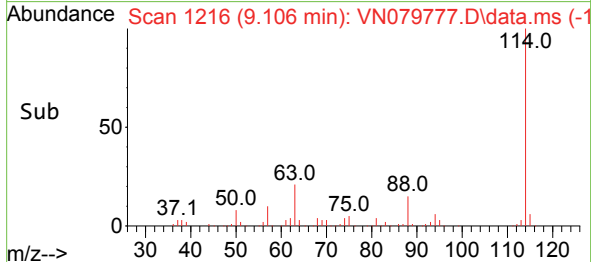
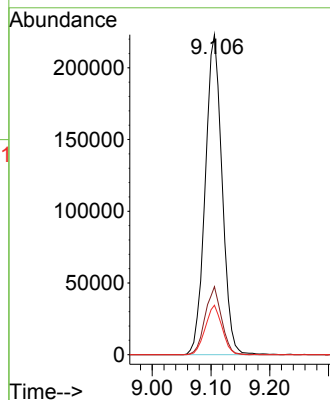
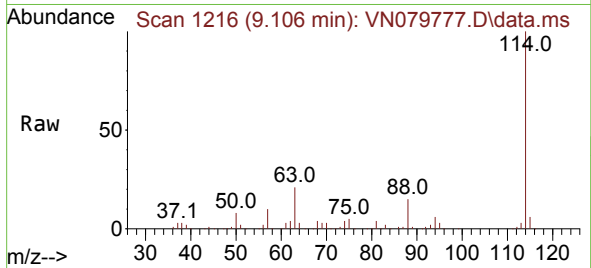




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

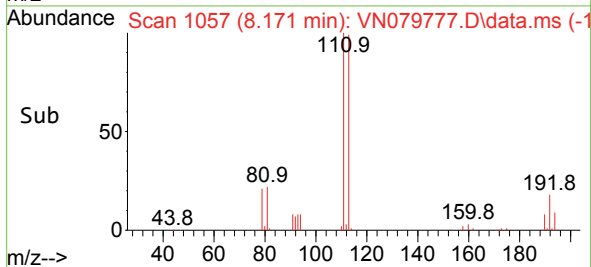
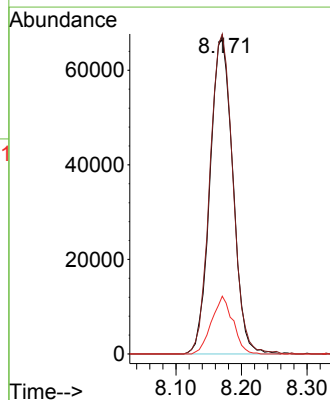
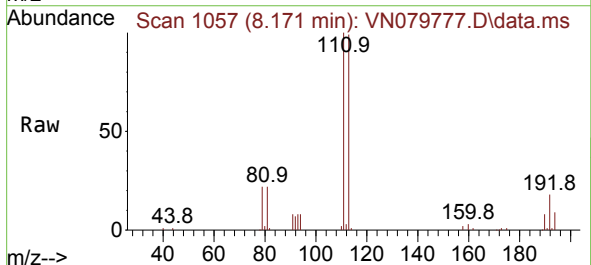
Instrument :
MSVOA_N
ClientSampleId :

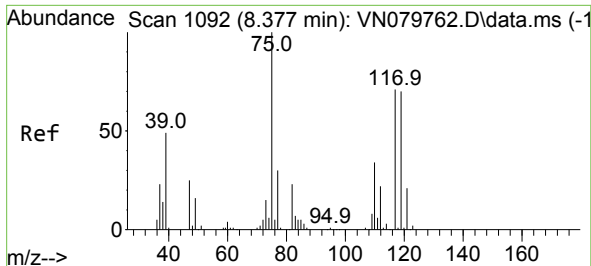
Tgt Ion:114 Resp: 442993
Ion Ratio Lower Upper
114 100
63 21.3 0.0 36.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.548 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

Tgt Ion:113 Resp: 161619
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 17.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.520 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

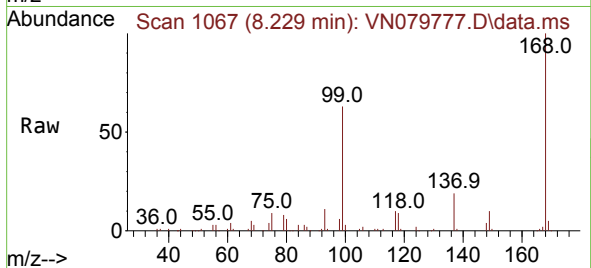
Lab File: VN079777.D

Acq: 01 Nov 2023 17:31

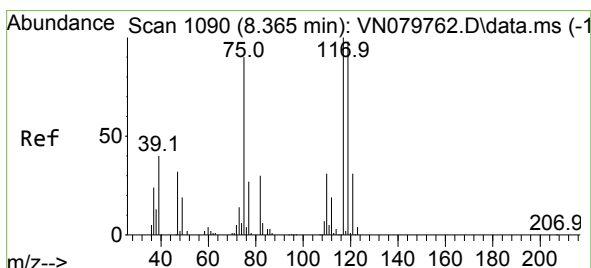
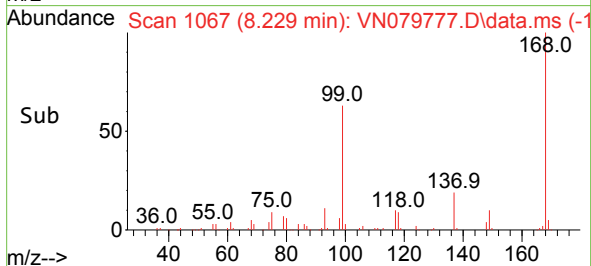
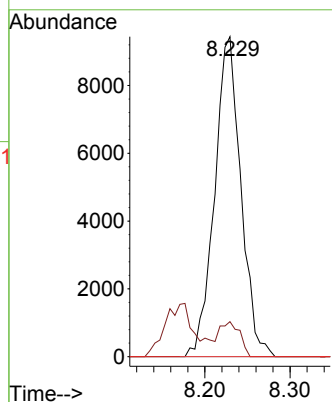
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	20236
Ion Ratio	100	Lower	Upper
110	8.2	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.320 ug/l

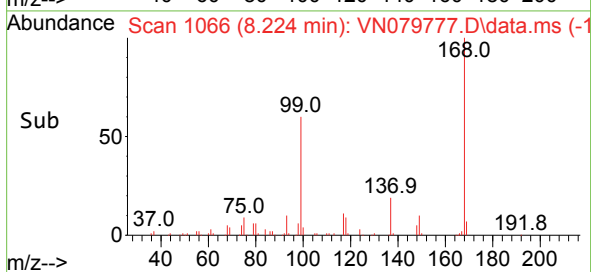
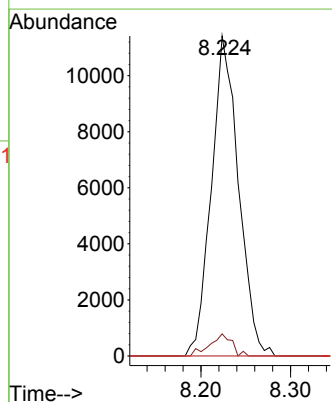
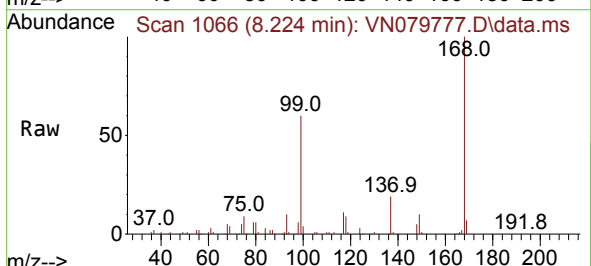
RT: 8.224 min Scan# 1066

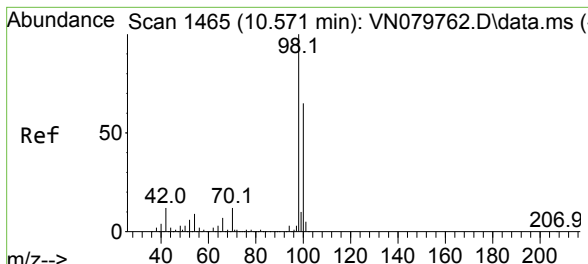
Delta R.T. -0.135 min

Lab File: VN079777.D

Acq: 01 Nov 2023 17:31

Tgt Ion:	117	Resp:	24003
Ion Ratio	100	Lower	Upper
119	6.9	77.3	115.9#
121	0.0	23.3	34.9#

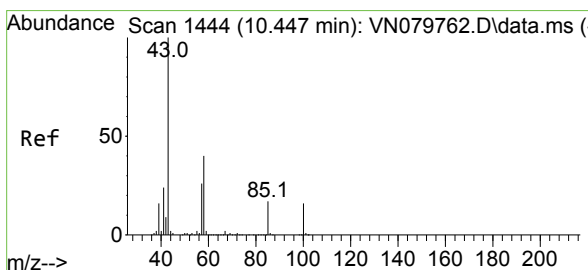
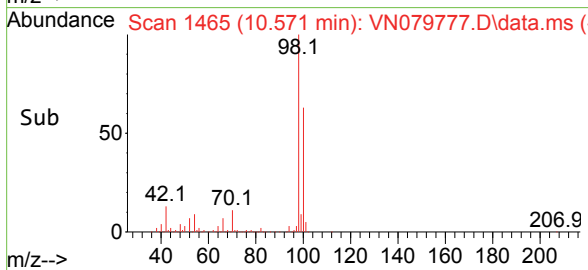
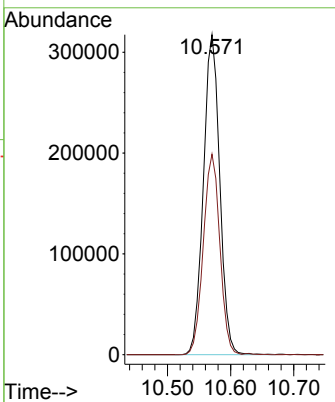
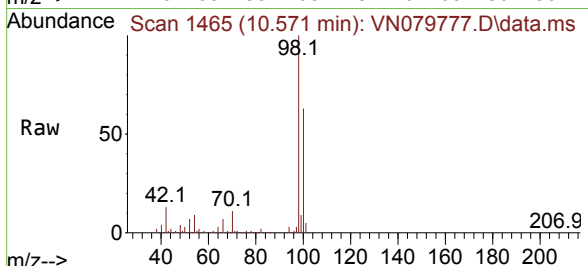




#50
Toluene-d8
Concen: 49.494 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

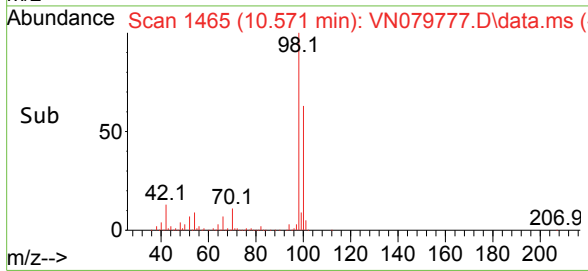
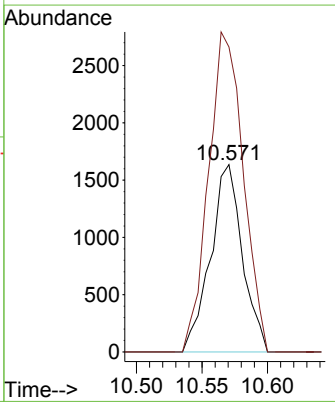
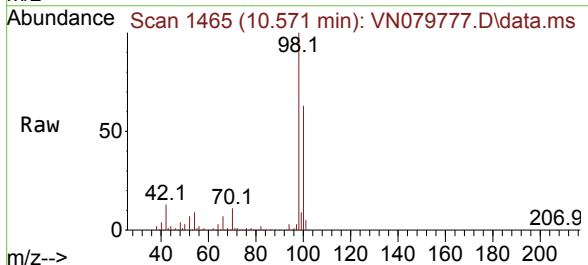
Instrument :
MSVOA_N
ClientSampleId :

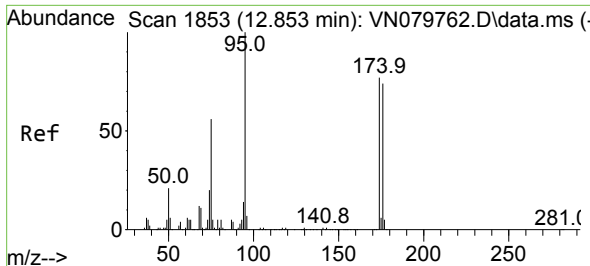
Tgt Ion: 98 Resp: 571271
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.681 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

Tgt Ion: 43 Resp: 2762
Ion Ratio Lower Upper
43 100
58 186.0 36.6 54.8#

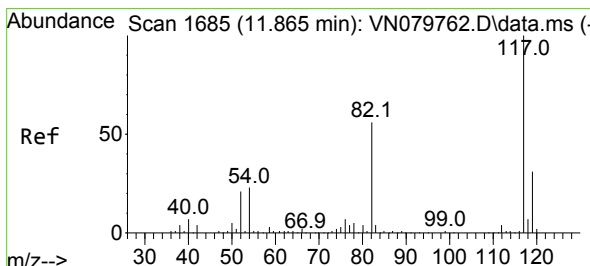
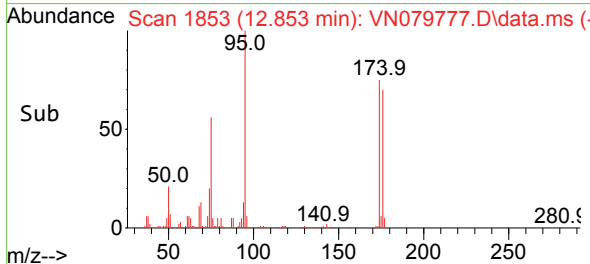
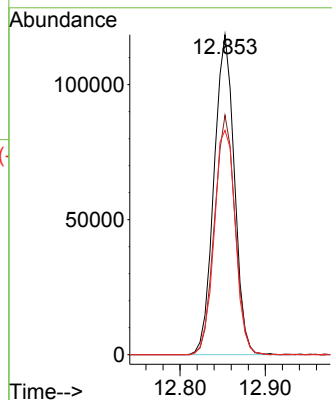
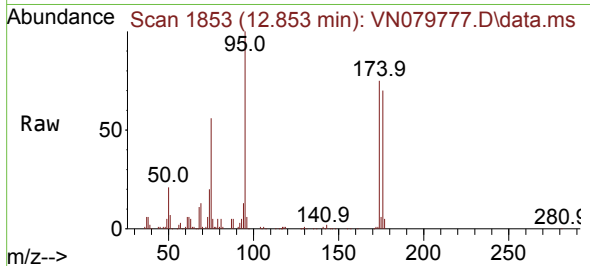




#62
4-Bromofluorobenzene
Concen: 51.232 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

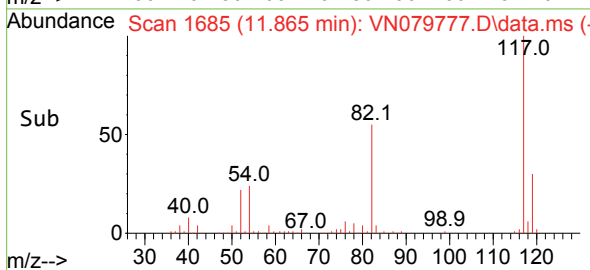
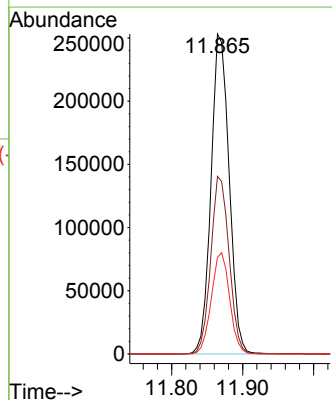
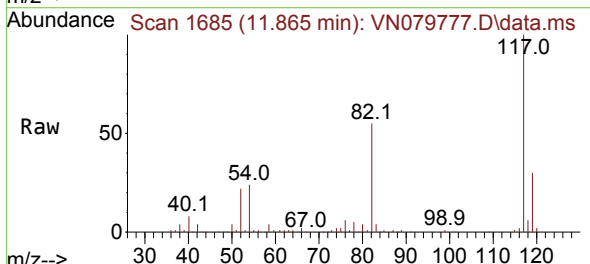
Instrument :
MSVOA_N
ClientSampleId :

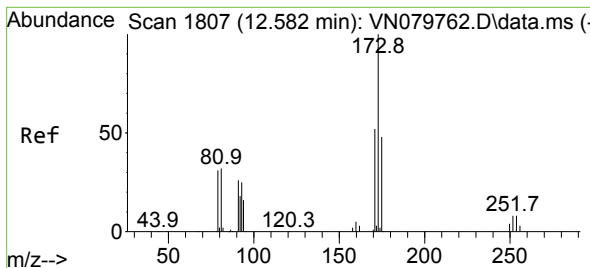
Tgt Ion: 95 Resp: 196117
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 73.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

Tgt Ion: 117 Resp: 448830
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 30.2 25.6 38.4





#71

Bromoform

Concen: 0.602 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079777.D

Acq: 01 Nov 2023 17:31

Instrument :

MSVOA_N

ClientSampleId :

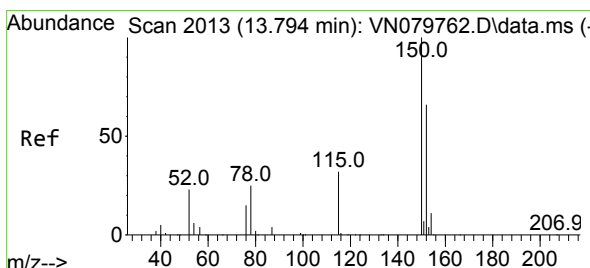
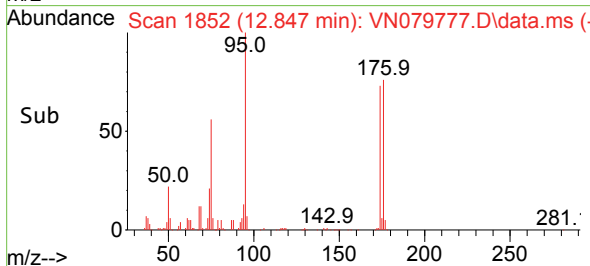
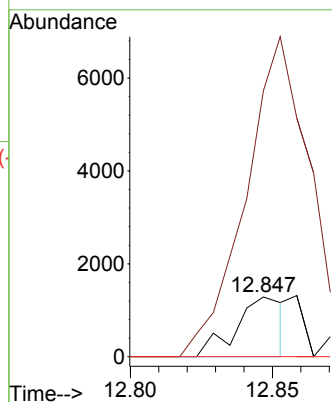
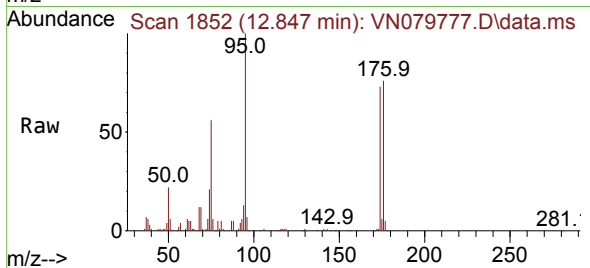
Tgt Ion:173 Resp: 1499

Ion Ratio Lower Upper

173 100

175 582.9 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079777.D

Acq: 01 Nov 2023 17:31

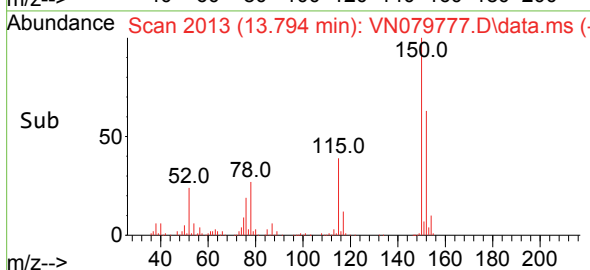
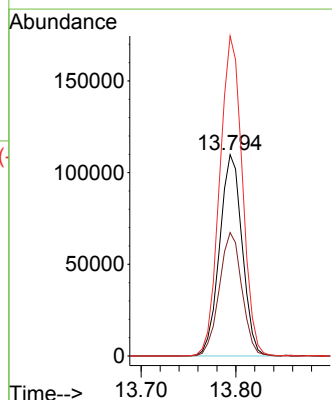
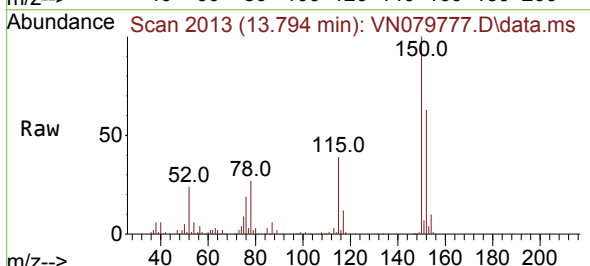
Tgt Ion:152 Resp: 181995

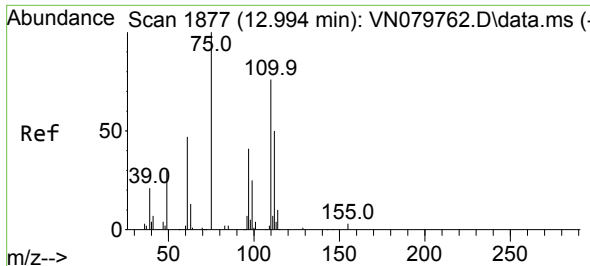
Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 159.4 0.0 355.8

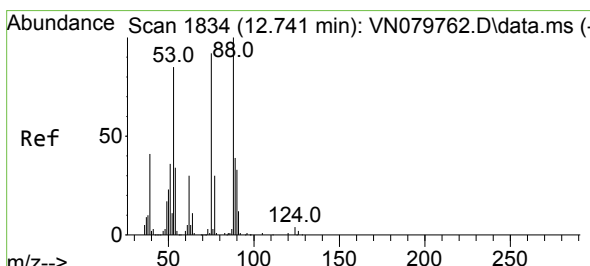
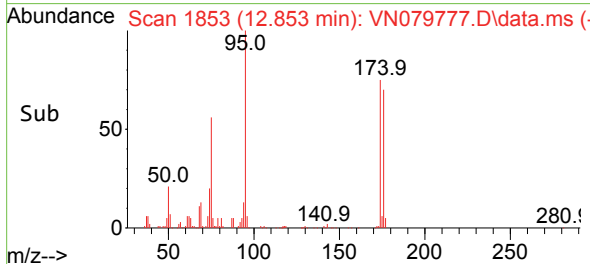
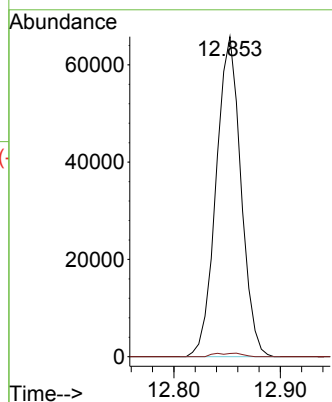
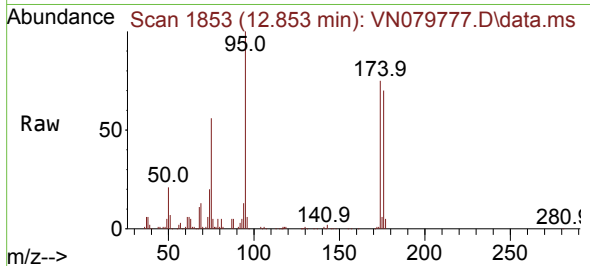




#76
1,2,3-Trichloropropane
Concen: 24.922 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 106486
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.808 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079777.D
Acq: 01 Nov 2023 17:31

Tgt Ion: 75 Resp: 106486
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

