

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077107.D
 Acq On : 22 Mar 2023 14:53
 Operator : JC\MD
 Sample : 01849-04
 Misc : 10.42 gr/5.0mL/100uL/5.0mL/MSVOA_N/MeOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 22 23:24:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

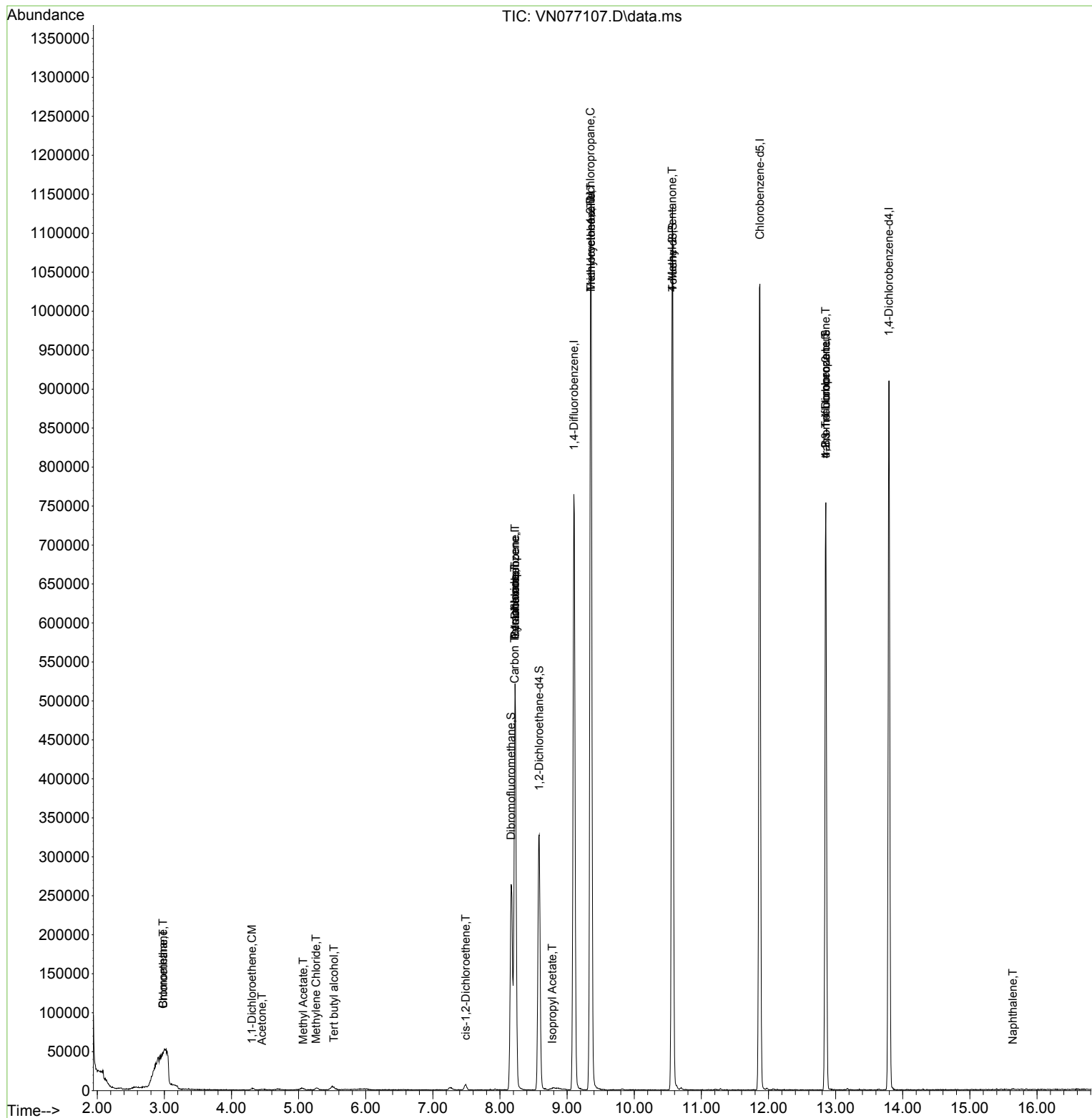
Internal Standards						
1) Pentafluorobenzene	8.225	168	340975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	630067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	569594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	223993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	275236	50.535	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.060%			
35) Dibromofluoromethane	8.166	113	195089	44.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.420%			
50) Toluene-d8	10.572	98	773513	49.075	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.854	95	261112	46.881	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.760%			
Target Compounds					Qvalue	
5) Bromomethane	2.978	94	651	0.260	ug/l #	16
6) Chloroethane	2.984	64	22476	9.579	ug/l #	54
11) Tert butyl alcohol	5.525	59	5300	6.678	ug/l #	72
12) 1,1-Dichloroethene	4.307	96	845	0.204	ug/l #	48
16) Acetone	4.454	43	1023	0.422	ug/l #	43
18) Methyl Acetate	5.066	43	5696	0.622	ug/l #	80
20) Methylene Chloride	5.260	84	2199	0.418	ug/l #	70
27) cis-1,2-Dichloroethene	7.490	96	2831	0.551	ug/l	86
31) Cyclohexane	8.225	56	9747	1.094	ug/l #	16
36) 1,1-Dichloropropene	8.225	75	34011	4.935	ug/l #	52
38) Carbon Tetrachloride	8.219	117	39013	5.812	ug/l #	15
39) Methylcyclohexane	9.354	83	5807	0.720	ug/l #	6
43) Isopropyl Acetate	8.778	43	4013	0.348	ug/l #	56
44) Trichloroethene	9.354	130	387043	80.618	ug/l	95
45) 1,2-Dichloropropane	9.348	63	1383	0.249	ug/l #	1
51) 4-Methyl-2-Pentanone	10.566	43	3916	0.546	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	144805	24.993	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	144805	68.794	ug/l #	10
95) Naphthalene	15.642	128	1409	2.003	ug/l #	74

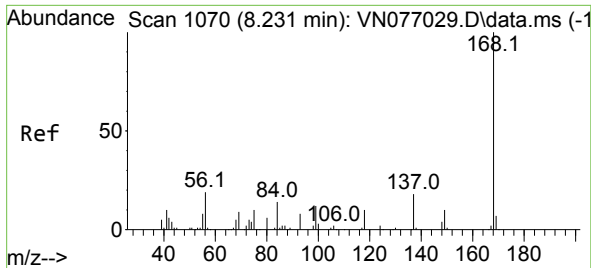
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 10.42 gr/5.0mL/100uL/5.0mL/MSVOA_N/MeOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

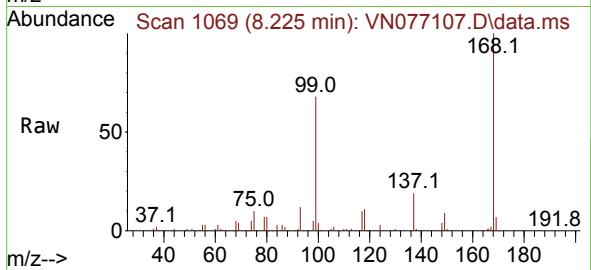
Quant Time: Mar 22 23:24:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
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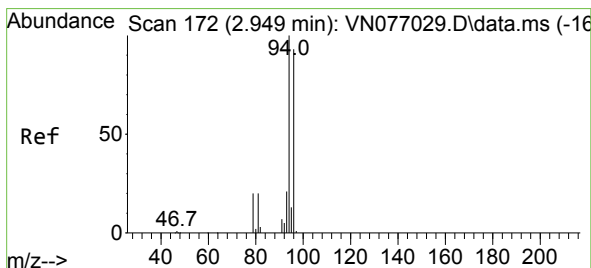
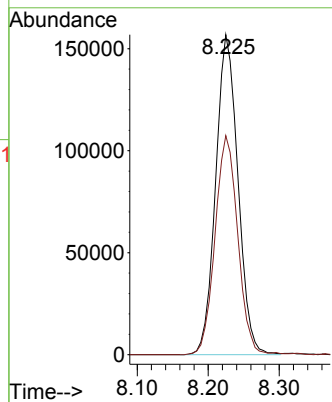
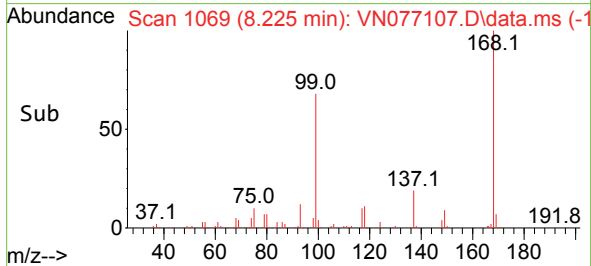


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.225 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

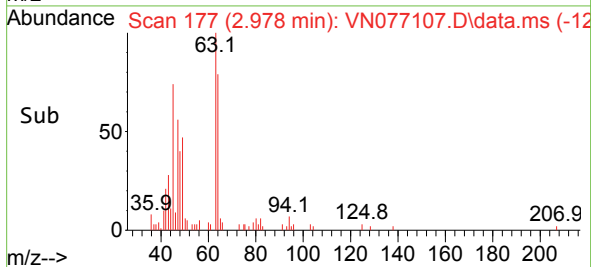
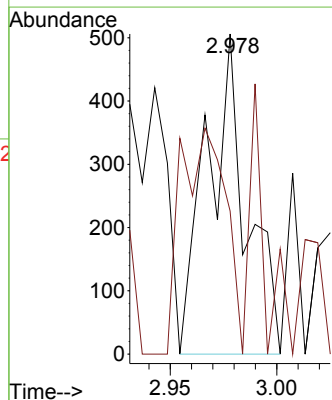
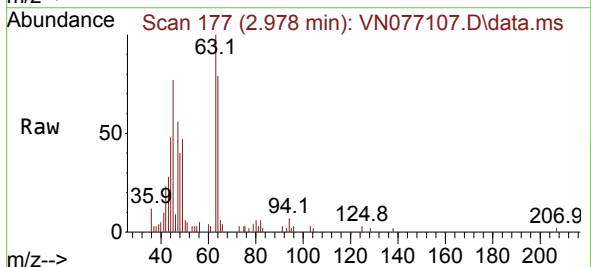


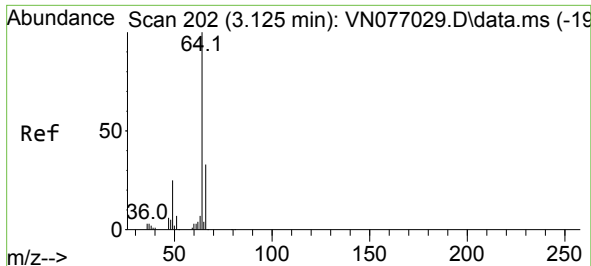
Tgt Ion:168 Resp: 340975
Ion Ratio Lower Upper
168 100
99 68.5 53.9 80.9



#5
Bromomethane
Concen: 0.260 ug/l
RT: 2.978 min Scan# 177
Delta R.T. 0.029 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

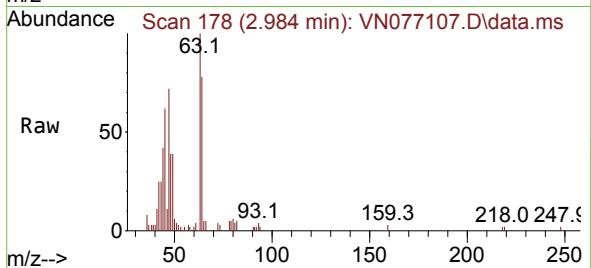
Tgt Ion: 94 Resp: 651
Ion Ratio Lower Upper
94 100
96 11.9 74.1 111.1#



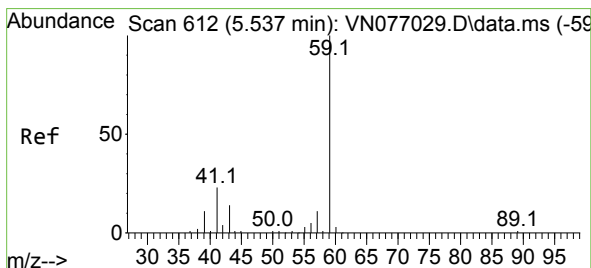
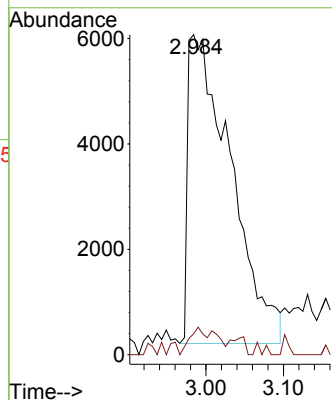
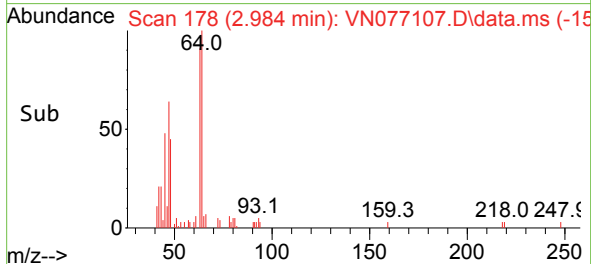


#6
Chloroethane
Concen: 9.579 ug/l
RT: 2.984 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

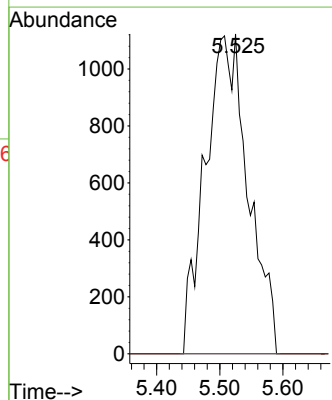
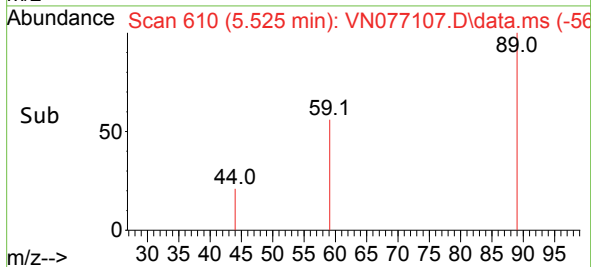
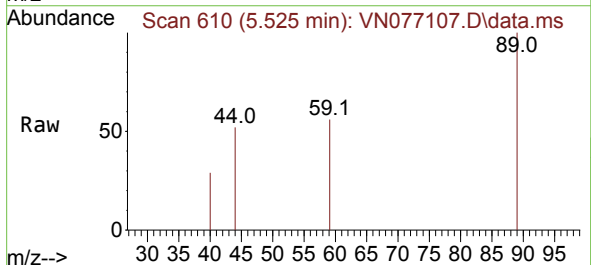


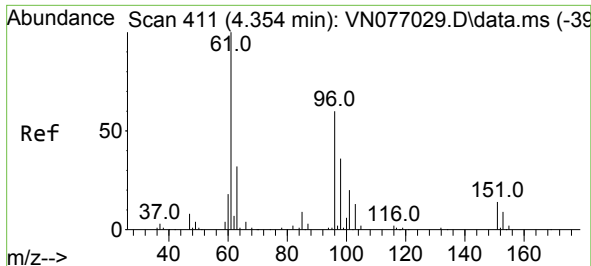
Tgt Ion: 64 Resp: 22476
Ion Ratio Lower Upper
64 100
66 6.8 26.3 39.5#



#11
Tert butyl alcohol
Concen: 6.678 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.012 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Tgt Ion: 59 Resp: 5300
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#12

1,1-Dichloroethene

Concen: 0.204 ug/l

RT: 4.307 min Scan# 40

Delta R.T. -0.047 min

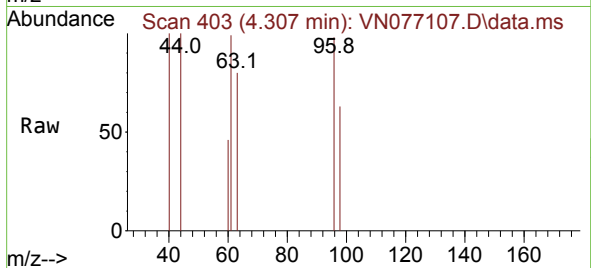
Lab File: VN077107.D

Acq: 22 Mar 2023 14:53

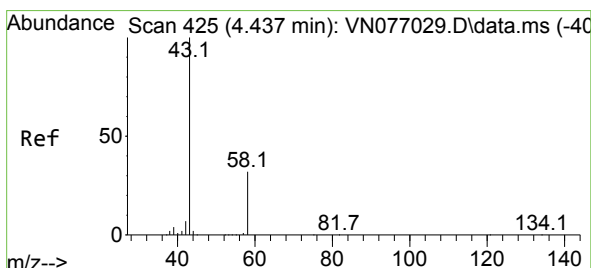
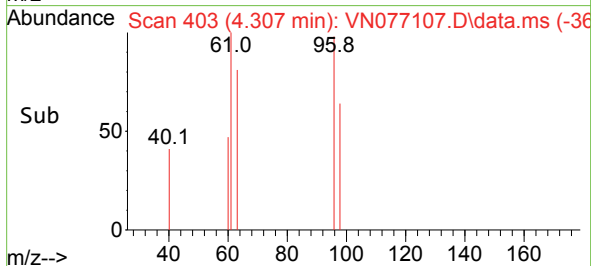
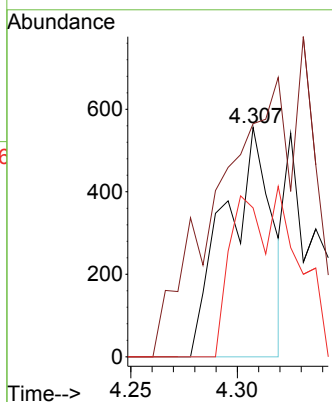
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 96	Resp: 845
Ion Ratio	Lower Upper
96	100
61	73.2 133.8 200.8#
98	64.9 48.6 72.8



#16

Acetone

Concen: 0.422 ug/l

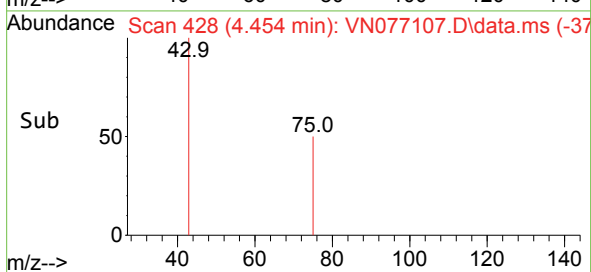
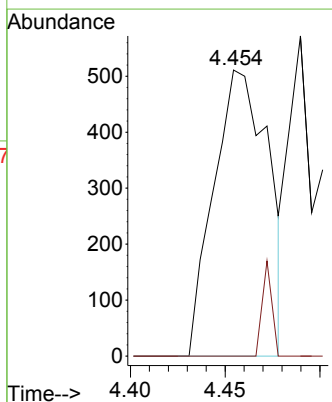
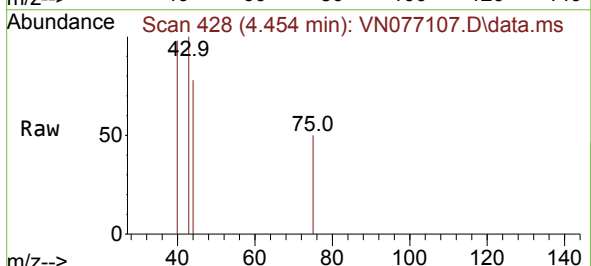
RT: 4.454 min Scan# 428

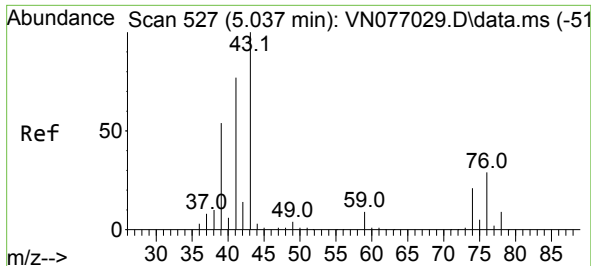
Delta R.T. 0.017 min

Lab File: VN077107.D

Acq: 22 Mar 2023 14:53

Tgt Ion: 43	Resp: 1023
Ion Ratio	Lower Upper
43	100
58	0.0 25.4 38.0#

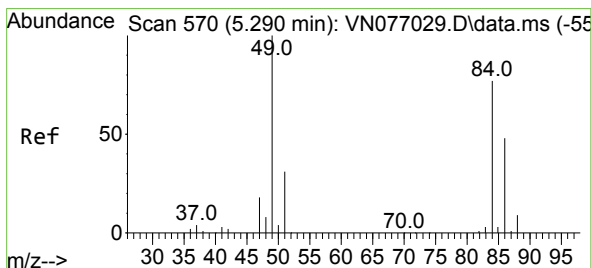
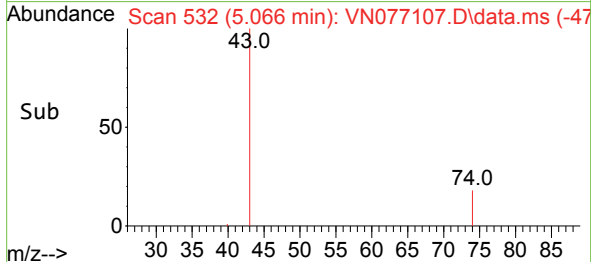
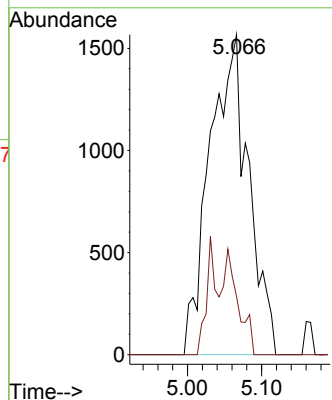
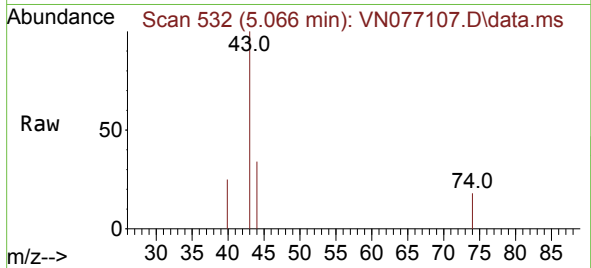




#18
Methyl Acetate
Concen: 0.622 ug/l
RT: 5.066 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

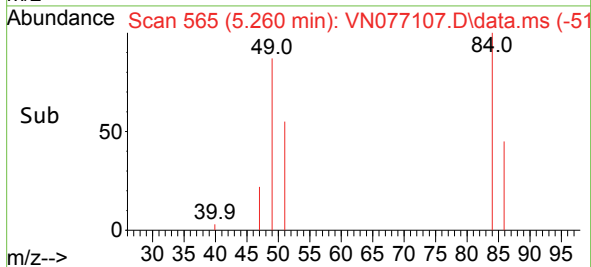
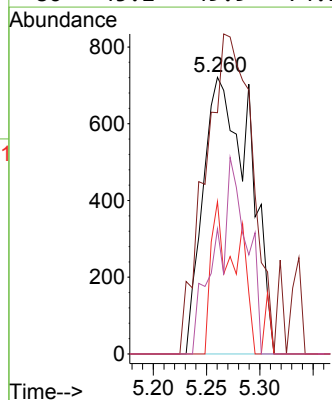
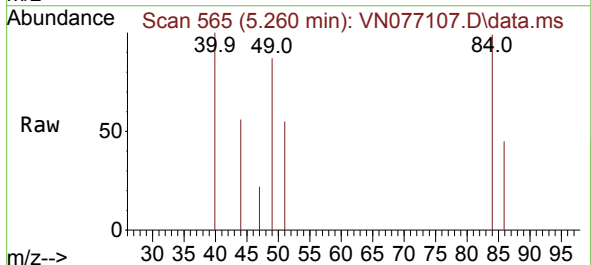
Instrument :
MSVOA_N
ClientSampleId :

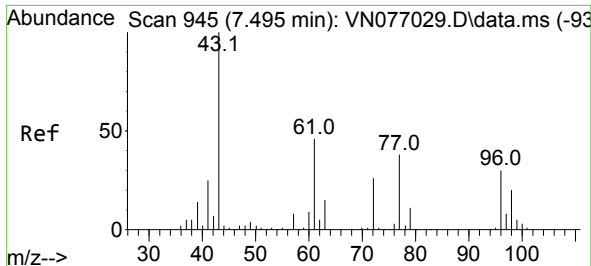
Tgt Ion: 43 Resp: 5696
Ion Ratio Lower Upper
43 100
74 12.6 17.7 26.5#



#20
Methylene Chloride
Concen: 0.418 ug/l
RT: 5.260 min Scan# 565
Delta R.T. -0.030 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

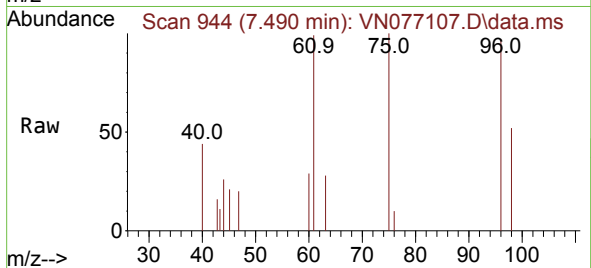
Tgt Ion: 84 Resp: 2199
Ion Ratio Lower Upper
84 100
49 87.2 103.8 155.6#
51 55.1 32.3 48.5#
86 45.2 49.9 74.9#



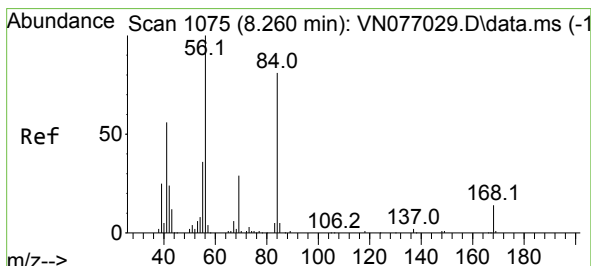
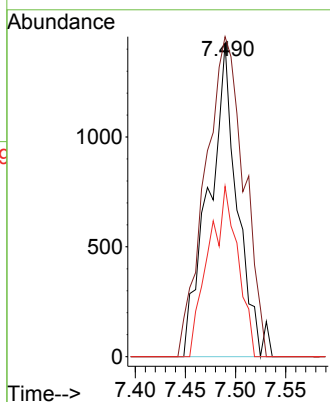
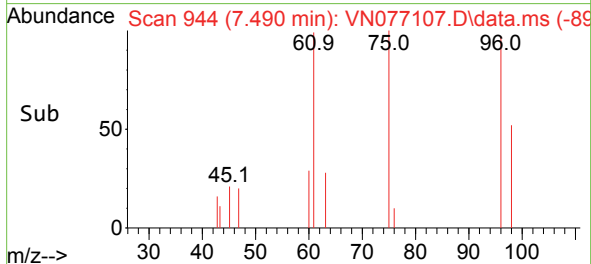


#27
 cis-1,2-Dichloroethene
 Concen: 0.551 ug/l
 RT: 7.490 min Scan# 945
 Delta R.T. -0.005 min
 Lab File: VN077107.D
 Acq: 22 Mar 2023 14:53

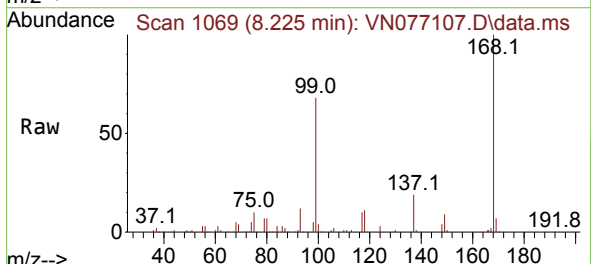
Instrument :
 MSVOA_N
 ClientSampleId :



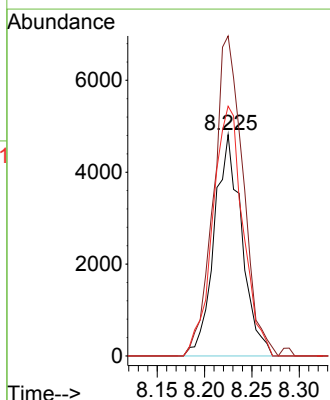
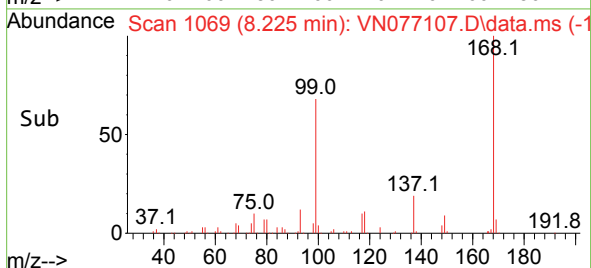
Tgt Ion: 96 Resp: 2831
 Ion Ratio Lower Upper
 96 100
 61 137.8 0.0 315.4
 98 56.0 0.0 128.6

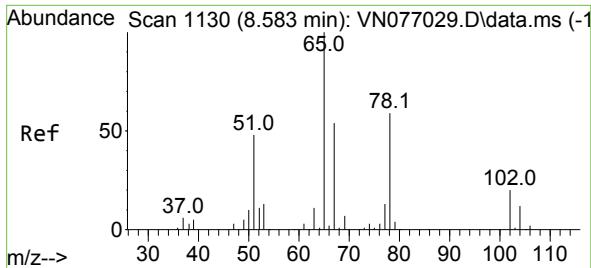


#31
 Cyclohexane
 Concen: 1.094 ug/l
 RT: 8.225 min Scan# 1069
 Delta R.T. -0.035 min
 Lab File: VN077107.D
 Acq: 22 Mar 2023 14:53



Tgt Ion: 56 Resp: 9747
 Ion Ratio Lower Upper
 56 100
 69 144.6 22.8 34.2#
 84 112.9 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 50.535 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077107.D

Acq: 22 Mar 2023 14:53

Instrument :

MSVOA_N

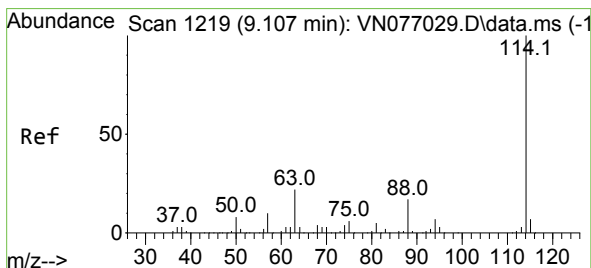
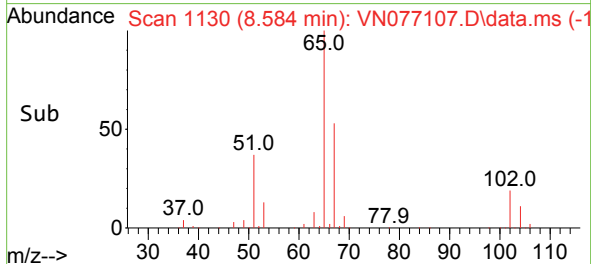
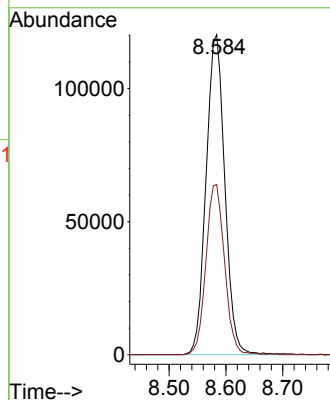
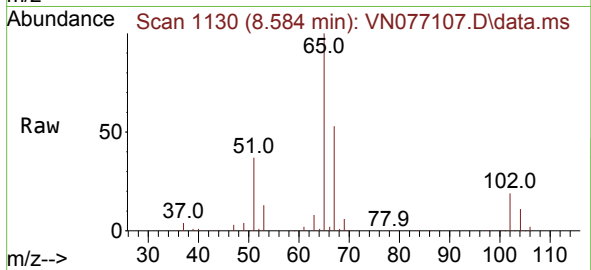
ClientSampleId :

Tgt Ion: 65 Resp: 275236

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VN077107.D

Acq: 22 Mar 2023 14:53

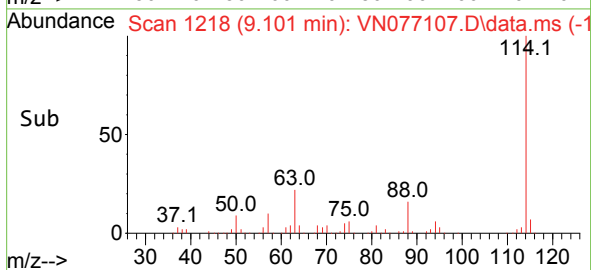
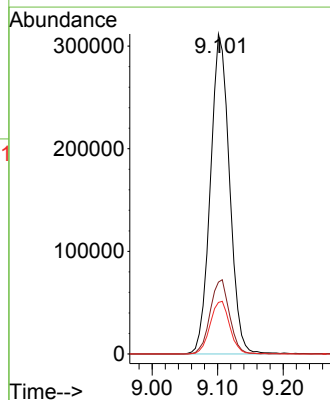
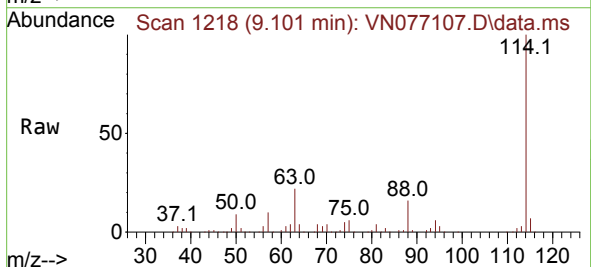
Tgt Ion: 114 Resp: 630067

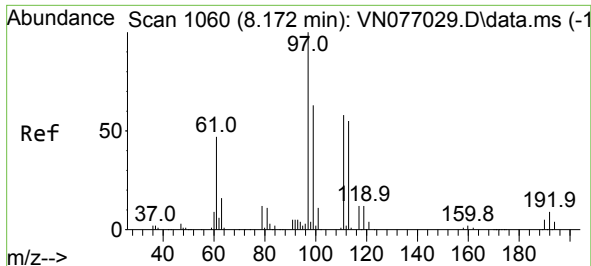
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

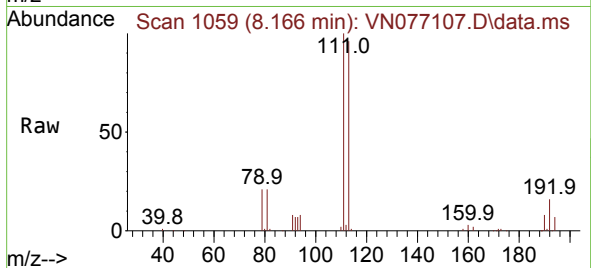
88 16.1 0.0 33.8



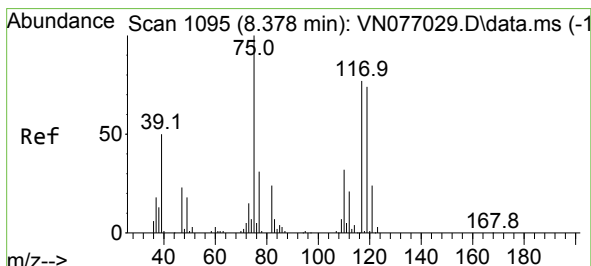
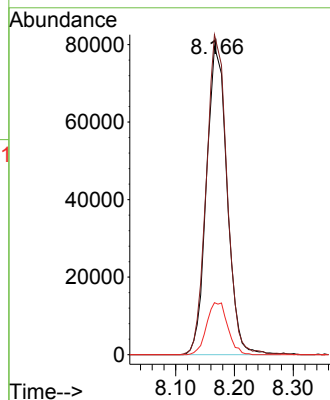
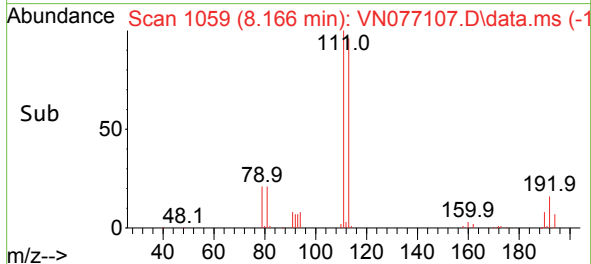


#35
Dibromofluoromethane
Concen: 44.213 ug/l
RT: 8.166 min Scan# 1059
Delta R.T. -0.006 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

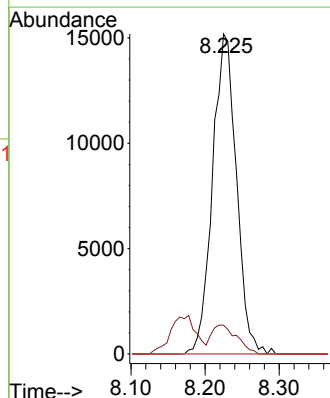
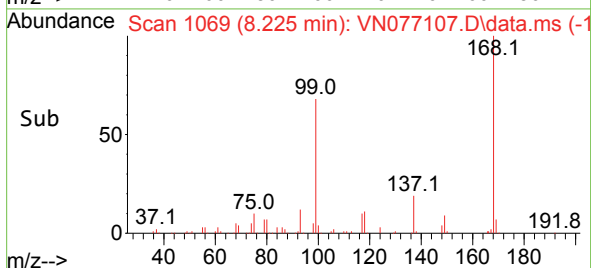
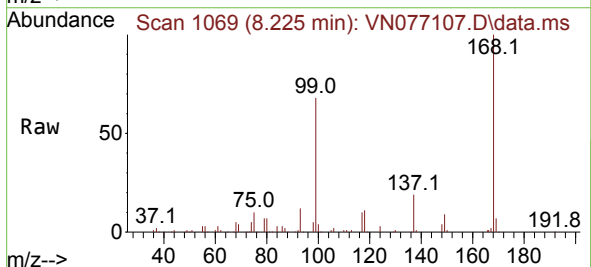


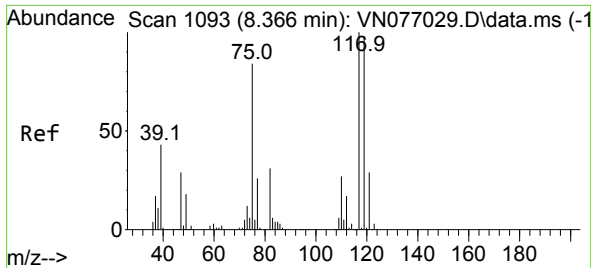
Tgt Ion:113 Resp: 195089
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 17.2 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.935 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

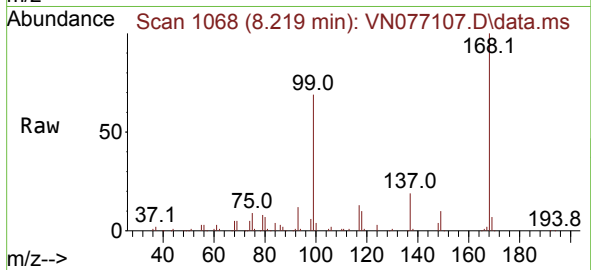
Tgt Ion: 75 Resp: 34011
Ion Ratio Lower Upper
75 100
110 9.5 15.9 47.7#
77 0.0 24.3 36.5#



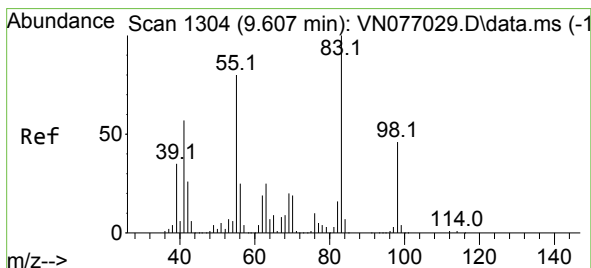
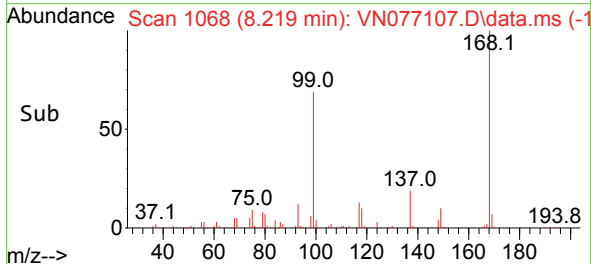
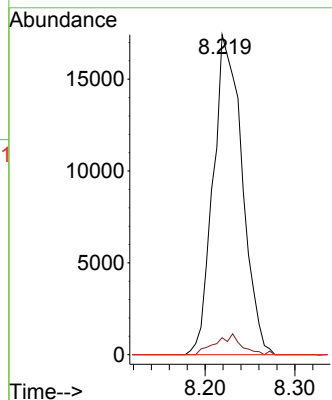


#38
Carbon Tetrachloride
Concen: 5.812 ug/l
RT: 8.219 min Scan# 1068
Delta R.T. -0.147 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

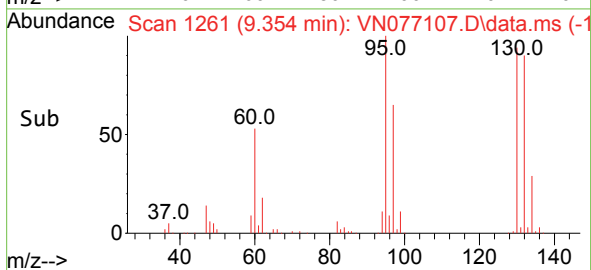
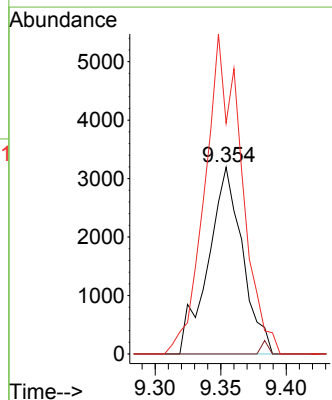
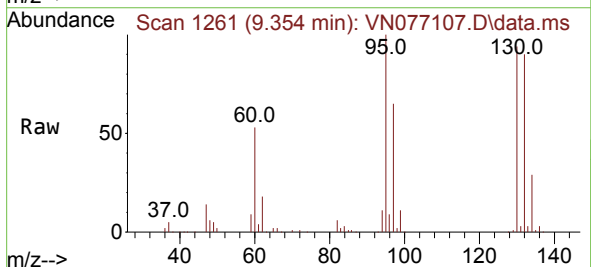


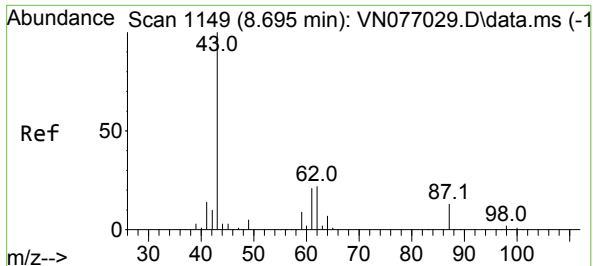
Tgt Ion:117 Resp: 39013
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 0.720 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.253 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Tgt Ion: 83 Resp: 5807
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 113.2 37.1 55.7#

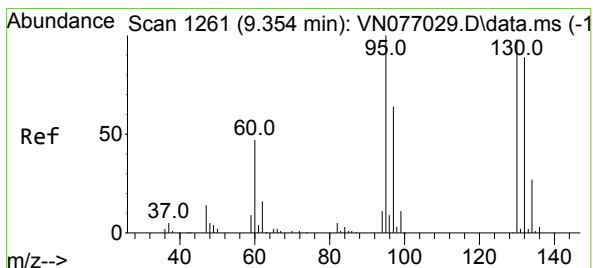
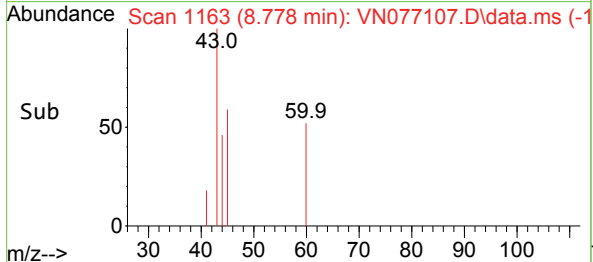
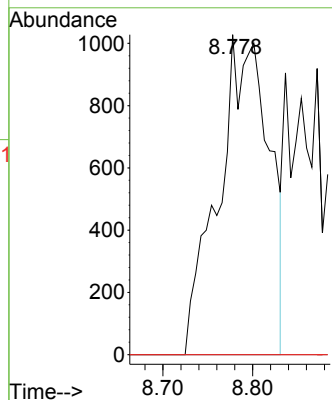
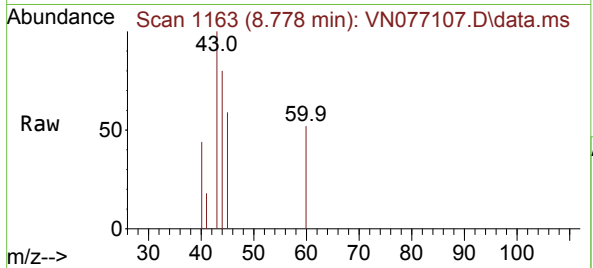




#43
Isopropyl Acetate
Concen: 0.348 ug/l
RT: 8.778 min Scan# 1149
Delta R.T. 0.082 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

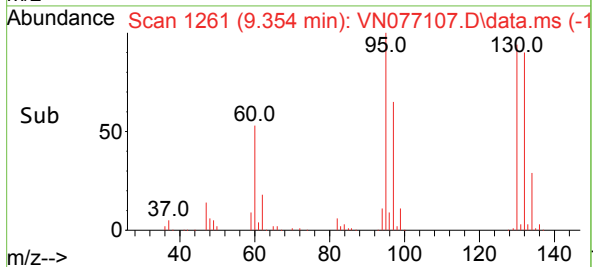
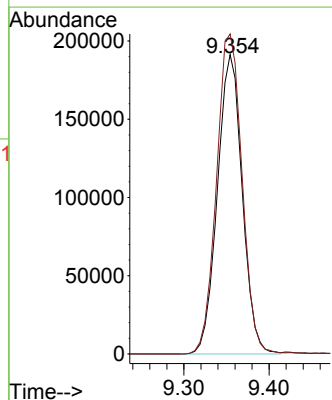
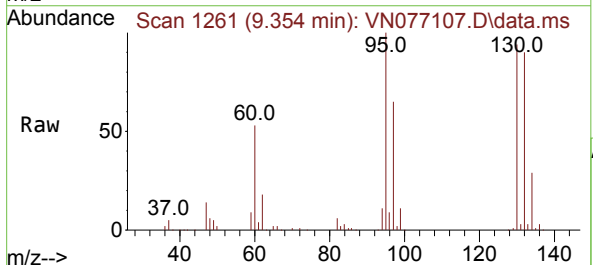
Instrument :
MSVOA_N
ClientSampleId :

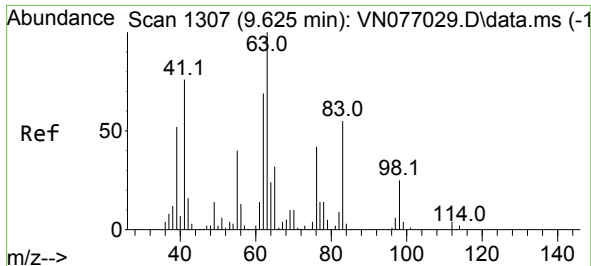
Tgt Ion: 43 Resp: 4013
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.0 10.0 15.0#



#44
Trichloroethene
Concen: 80.618 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Tgt Ion: 130 Resp: 387043
Ion Ratio Lower Upper
130 100
95 106.9 0.0 204.4





#45

1,2-Dichloropropane

Concen: 0.249 ug/l

RT: 9.348 min Scan# 11

Delta R.T. -0.276 min

Lab File: VN077107.D

Acq: 22 Mar 2023 14:53

Instrument :

MSVOA_N

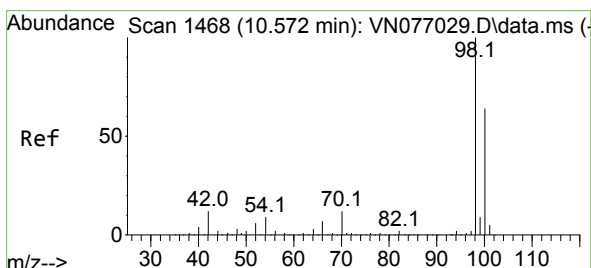
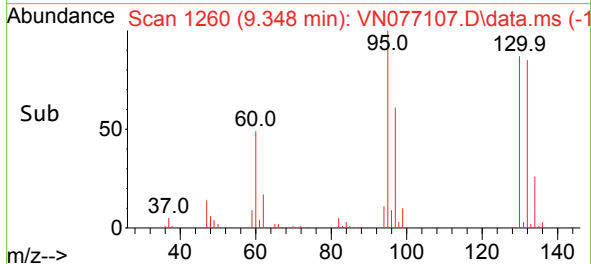
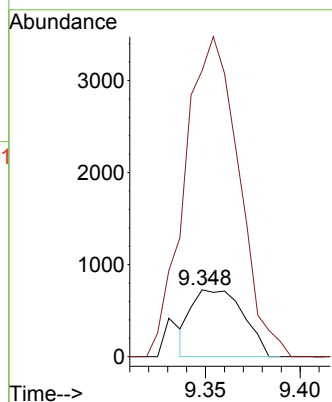
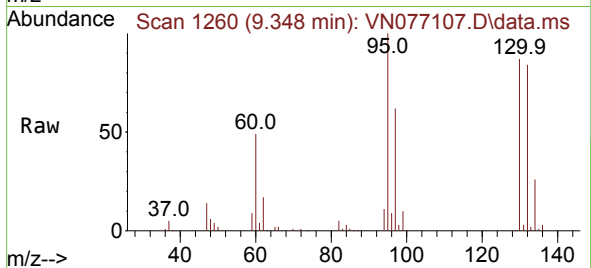
ClientSampleId :

Tgt Ion: 63 Resp: 1383

Ion Ratio Lower Upper

63 100

65 405.0 25.5 38.3#



#50

Toluene-d8

Concen: 49.075 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077107.D

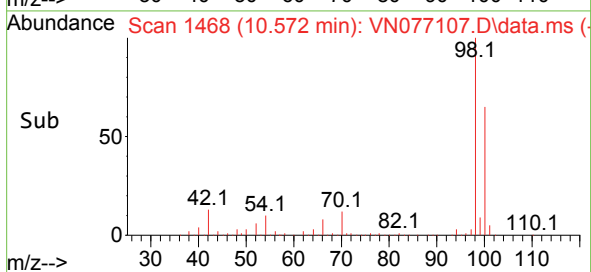
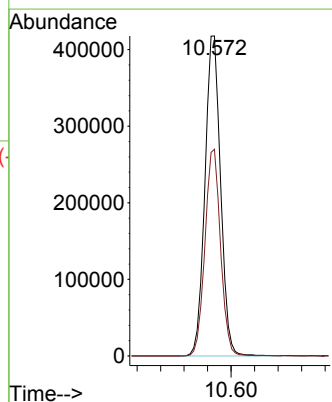
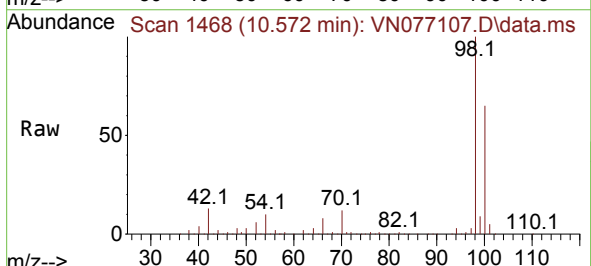
Acq: 22 Mar 2023 14:53

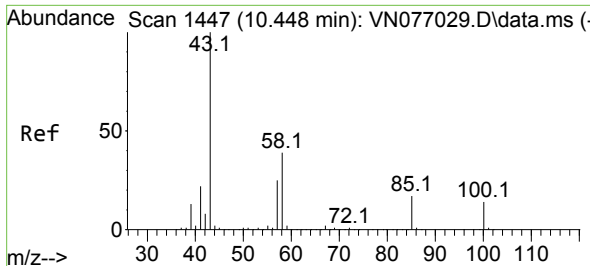
Tgt Ion: 98 Resp: 773513

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4

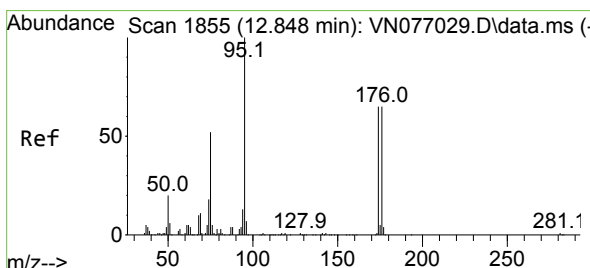
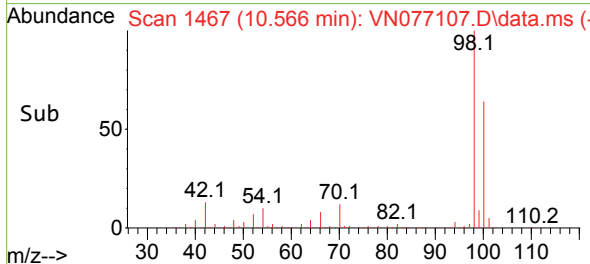
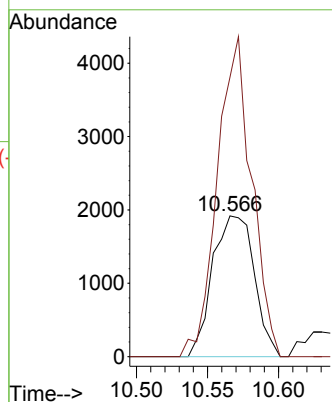
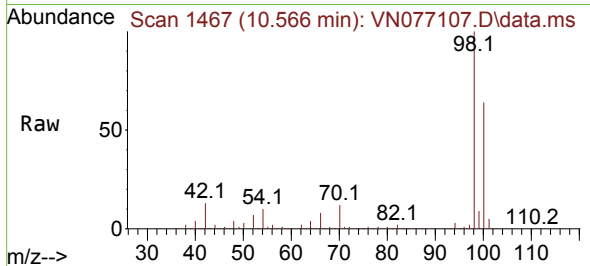




#51
4-Methyl-2-Pentanone
Concen: 0.546 ug/l
RT: 10.566 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

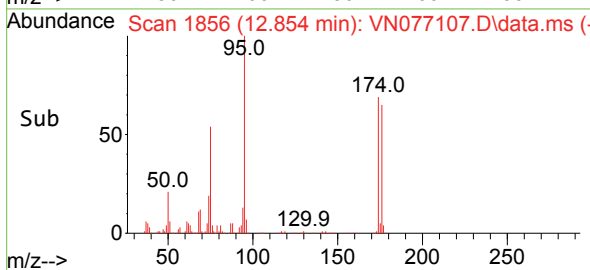
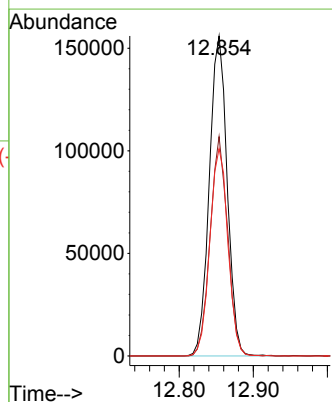
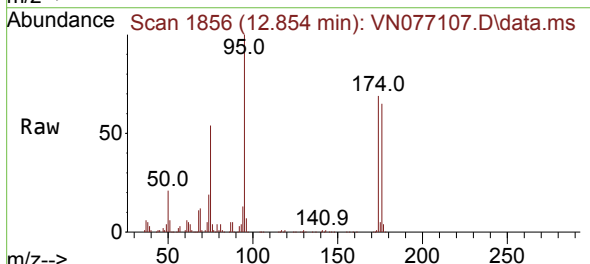
Instrument :
MSVOA_N
ClientSampleId :

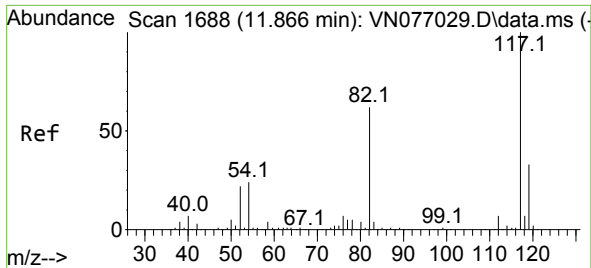
Tgt Ion: 43 Resp: 3916
Ion Ratio Lower Upper
43 100
58 187.8 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 46.881 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Tgt Ion: 95 Resp: 261112
Ion Ratio Lower Upper
95 100
174 67.2 0.0 136.6
176 65.5 0.0 130.0

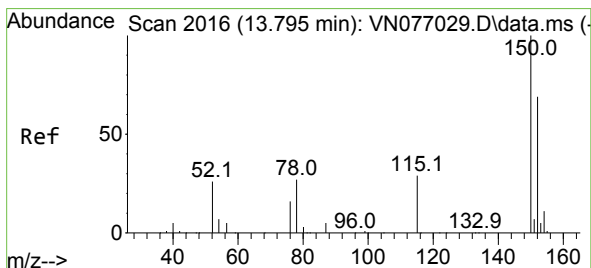
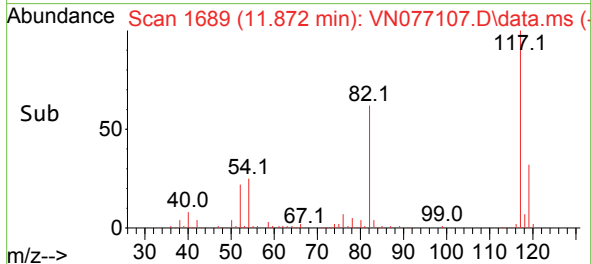
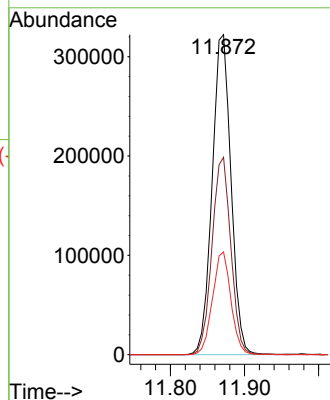
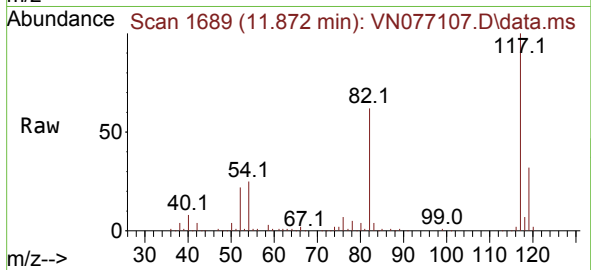




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

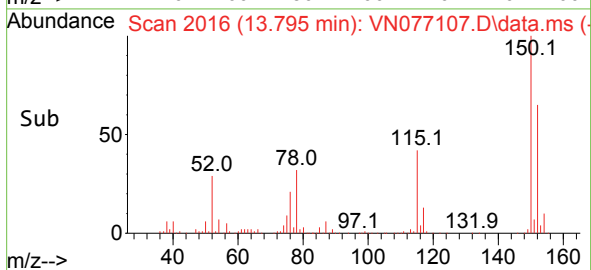
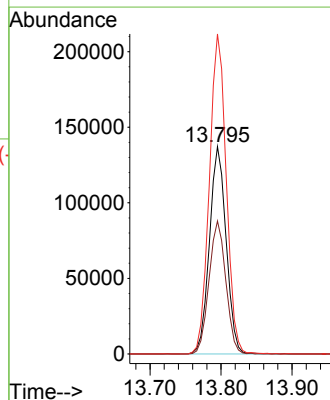
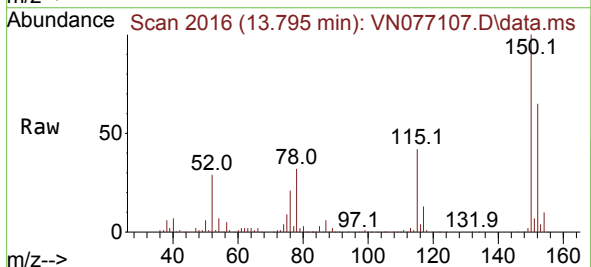
Instrument :
MSVOA_N
ClientSampleId :

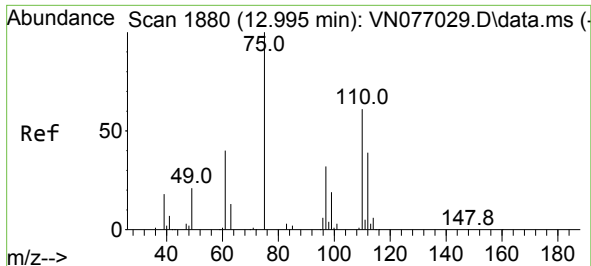
Tgt Ion:117 Resp: 569594
Ion Ratio Lower Upper
117 100
82 61.7 49.4 74.0
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Tgt Ion:152 Resp: 223993
Ion Ratio Lower Upper
152 100
115 64.6 31.9 95.7
150 156.2 0.0 348.0

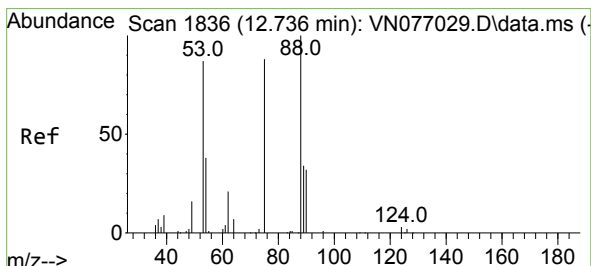
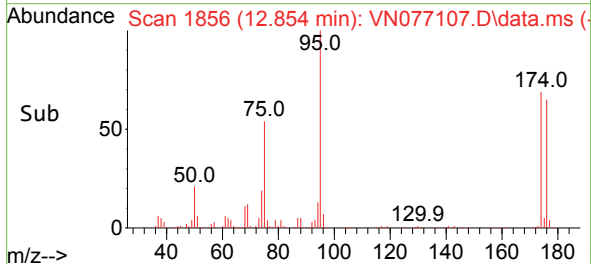
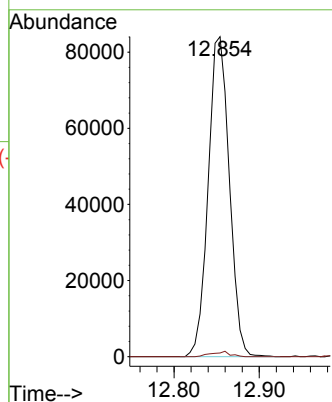
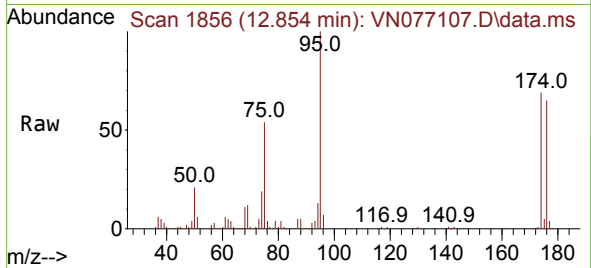




#76
1,2,3-Trichloropropane
Concen: 24.993 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

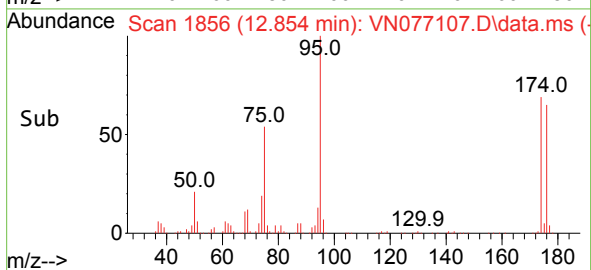
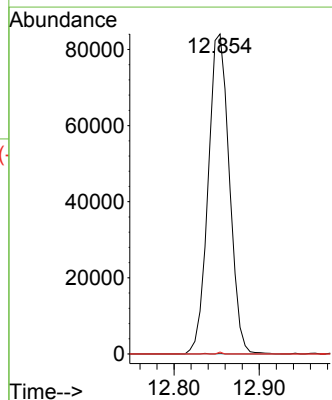
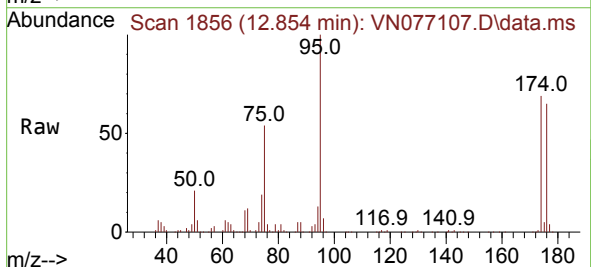
Instrument :
MSVOA_N
ClientSampleId :

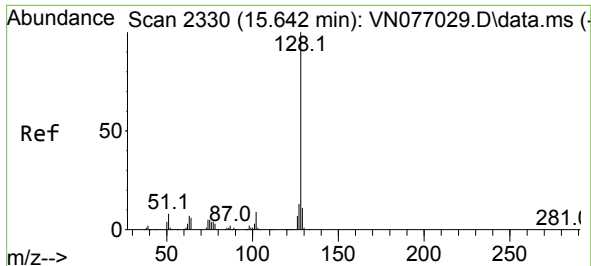
Tgt Ion: 75 Resp: 144805
Ion Ratio Lower Upper
75 100
77 1.4 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.794 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077107.D
Acq: 22 Mar 2023 14:53

Tgt Ion: 75 Resp: 144805
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.1 34.2 51.4#





#95

Naphthalene

Concen: 2.003 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

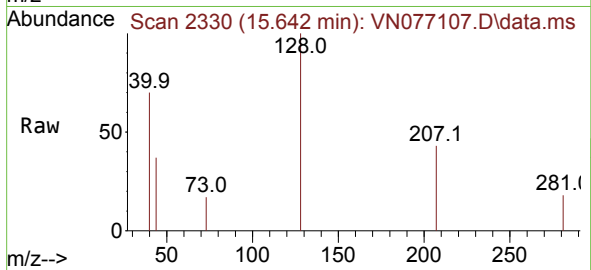
Lab File: VN077107.D

Acq: 22 Mar 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 1409

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 3.8 8.6 13.0#

