

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077035.D
 Acq On : 17 Mar 2023 15:06
 Operator : JC\MD
 Sample : VN0317MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317MBL01

Quant Time: Mar 18 02:29:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

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

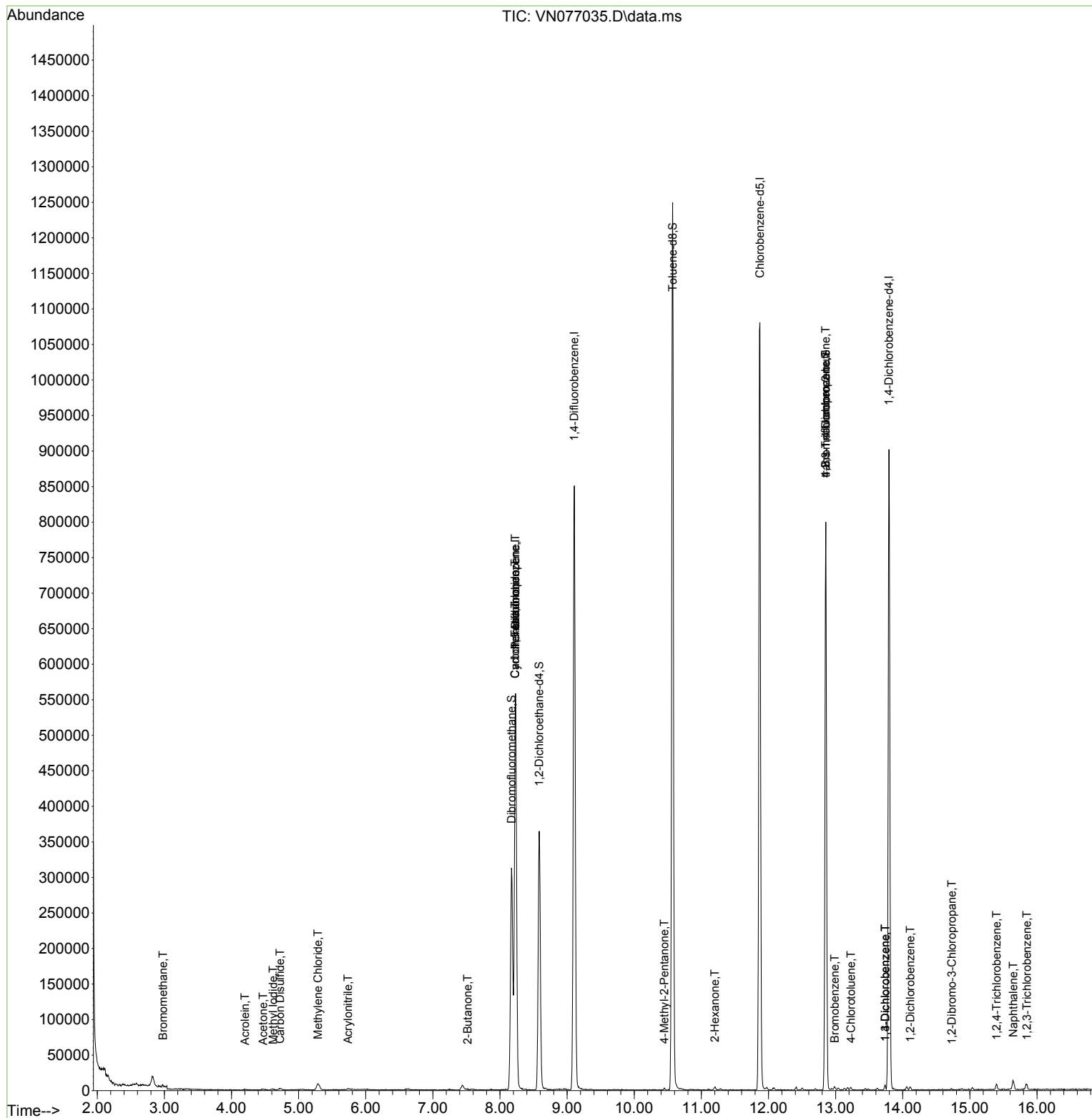
Internal Standards						
1) Pentafluorobenzene	8.231	168	385018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	704224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	615662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	233959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	300044	48.788	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.580%		
35) Dibromofluoromethane	8.172	113	227155	46.060	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.120%		
50) Toluene-d8	10.572	98	863891	49.038	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.080%		
62) 4-Bromofluorobenzene	12.854	95	272157	43.719	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.440%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.978	94	1833	0.648	ug/l	98
10) Methyl Iodide	4.619	142	2037	0.354	ug/l #	89
13) Acrolein	4.201	56	1090	0.983	ug/l #	76
15) Acrylonitrile	5.737	53	1778	0.590	ug/l #	82
16) Acetone	4.472	43	2020	0.737	ug/l #	43
17) Carbon Disulfide	4.725	76	4583	0.336	ug/l #	77
20) Methylene Chloride	5.290	84	6954	1.169	ug/l	89
25) 2-Butanone	7.519	43	1786	0.446	ug/l #	49
31) Cyclohexane	8.225	56	10255	1.019	ug/l #	14
36) 1,1-Dichloropropene	8.231	75	36771	4.774	ug/l #	51
38) Carbon Tetrachloride	8.225	117	44942	5.990	ug/l #	16
51) 4-Methyl-2-Pentanone	10.448	43	1960	0.244	ug/l #	80
59) 2-Hexanone	11.201	43	3662	0.630	ug/l	86
76) 1,2,3-Trichloropropane	12.854	75	152199	25.150	ug/l #	1
77) Bromobenzene	12.989	156	1024	0.218	ug/l	71
81) trans-1,4-Dichloro-2-b...	12.854	75	152199	69.227	ug/l #	10
82) 4-Chlorotoluene	13.230	91	3135	0.214	ug/l	96
87) 1,3-Dichlorobenzene	13.742	146	2095	0.236	ug/l	88
88) 1,4-Dichlorobenzene	13.742	146	2095	0.237	ug/l	87
91) 1,2-Dichlorobenzene	14.113	146	2271	0.257	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.730	75	468	0.332	ug/l	69
93) 1,2,4-Trichlorobenzene	15.401	180	2806	0.702	ug/l	94
95) Naphthalene	15.648	128	14041	2.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.848	180	3459	0.862	ug/l #	25

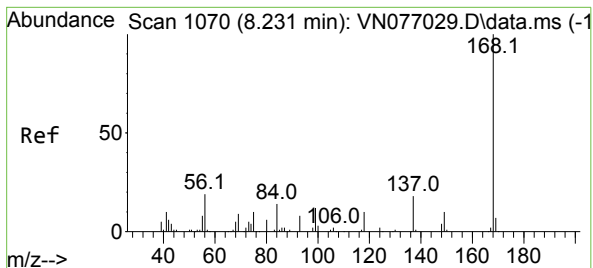
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 18 02:17:37 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077035.D

Acq: 17 Mar 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

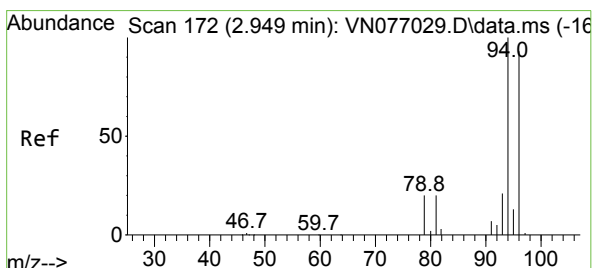
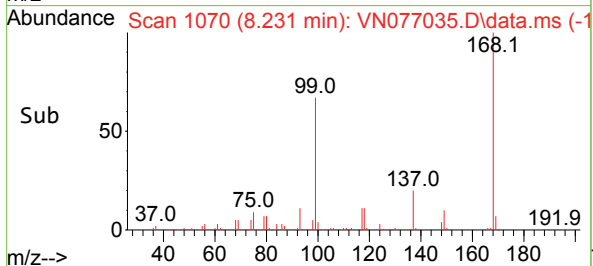
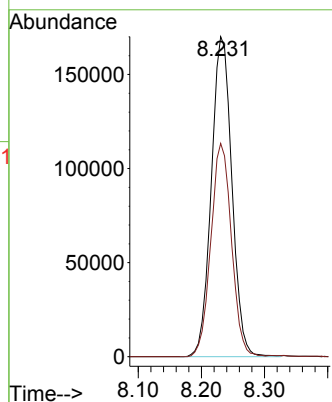
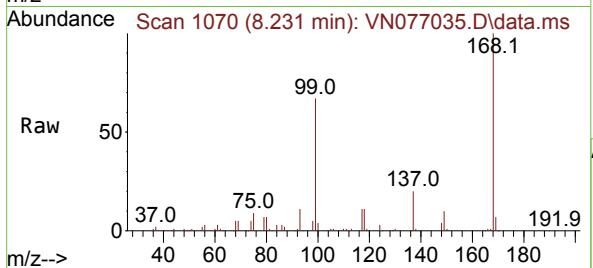
VN0317MBL01

Tgt Ion:168 Resp: 385018

Ion Ratio Lower Upper

168 100

99 66.6 53.9 80.9



#5

Bromomethane

Concen: 0.648 ug/l

RT: 2.978 min Scan# 177

Delta R.T. 0.029 min

Lab File: VN077035.D

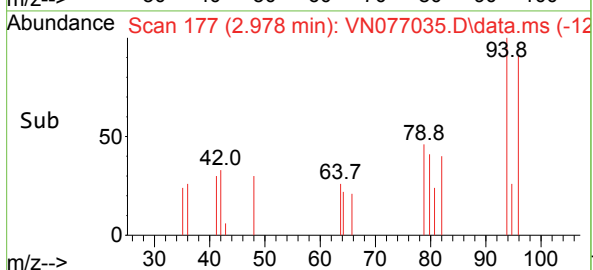
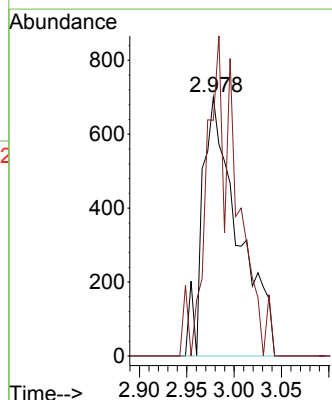
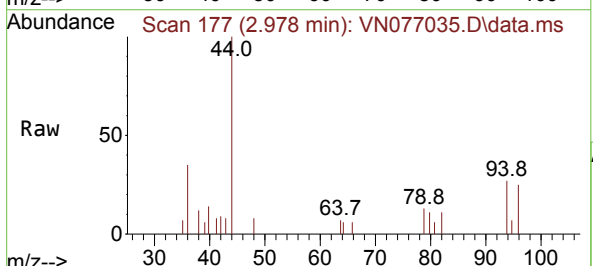
Acq: 17 Mar 2023 15:06

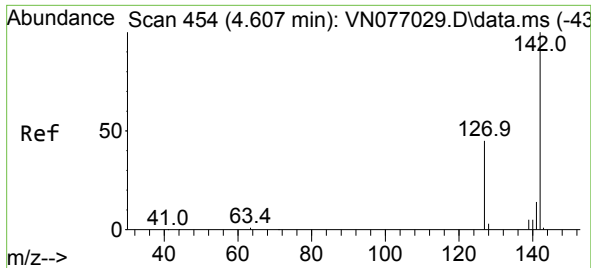
Tgt Ion: 94 Resp: 1833

Ion Ratio Lower Upper

94 100

96 91.1 74.1 111.1

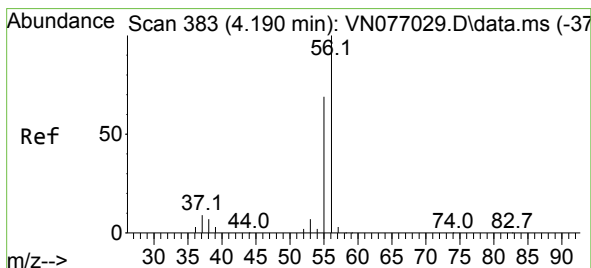
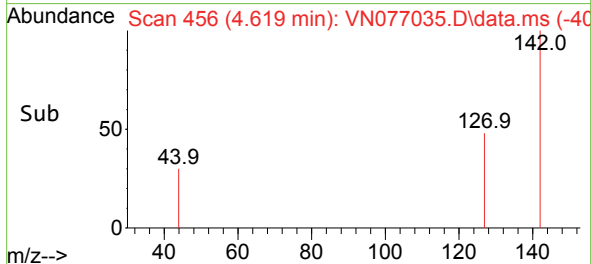
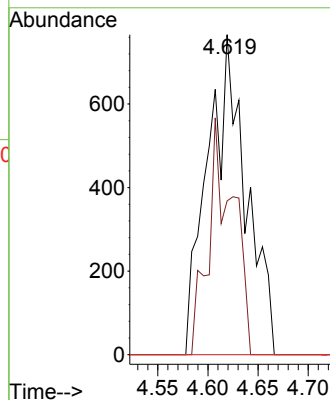
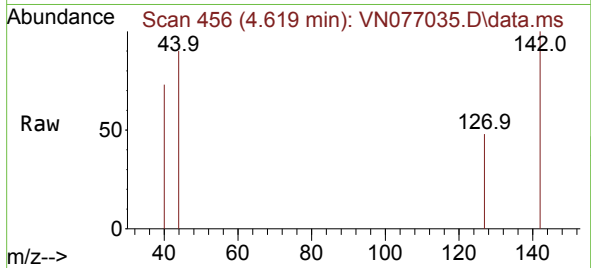




#10
Methyl Iodide
Concen: 0.354 ug/l
RT: 4.619 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

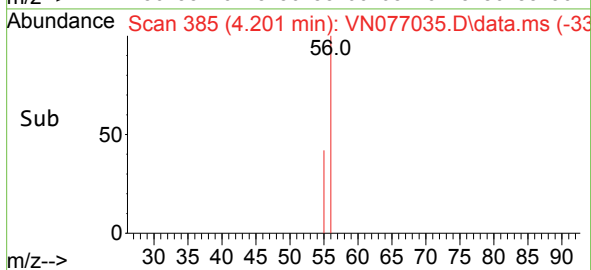
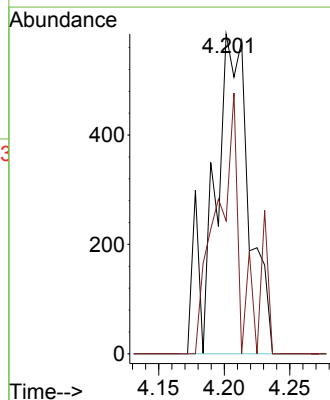
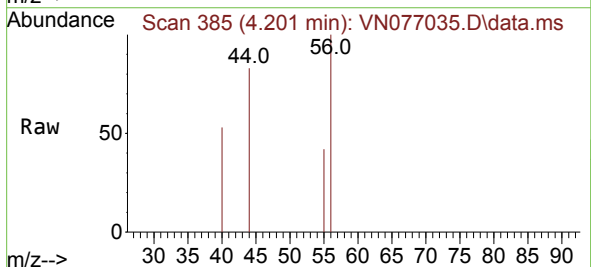
Instrument :
MSVOA_N
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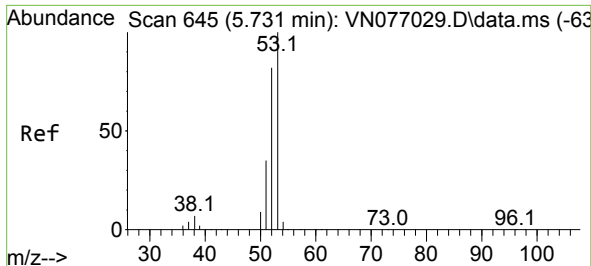
Tgt Ion:142 Resp: 2037
Ion Ratio Lower Upper
142 100
127 48.0 36.1 54.1
141 0.0 10.8 16.2#



#13
Acrolein
Concen: 0.983 ug/l
RT: 4.201 min Scan# 385
Delta R.T. 0.012 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Tgt Ion: 56 Resp: 1090
Ion Ratio Lower Upper
56 100
55 51.3 57.0 85.6#

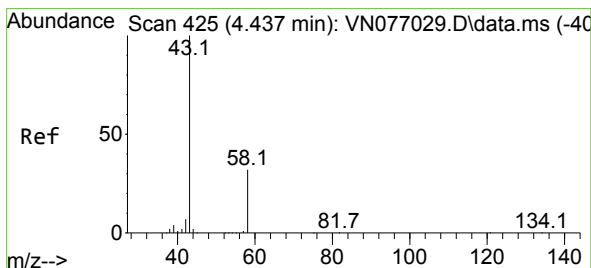
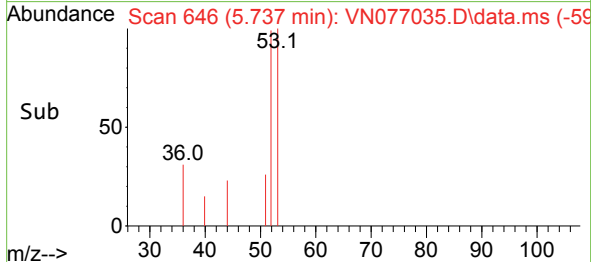
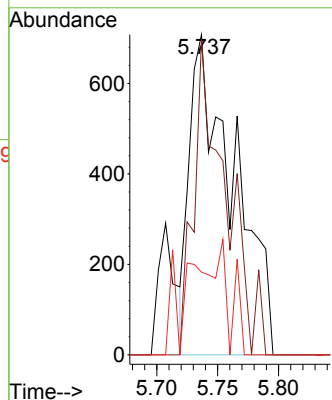
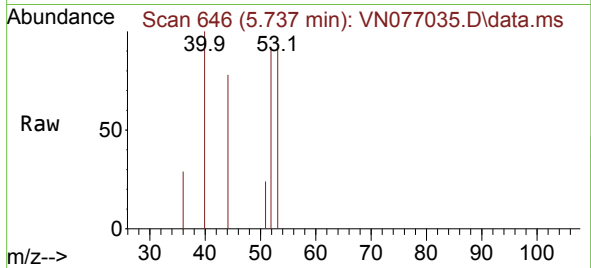




#15
Acrylonitrile
Concen: 0.590 ug/l
RT: 5.737 min Scan# 645
Delta R.T. 0.006 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

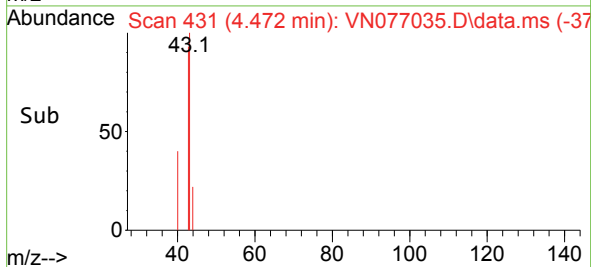
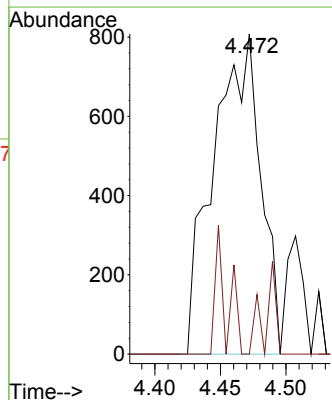
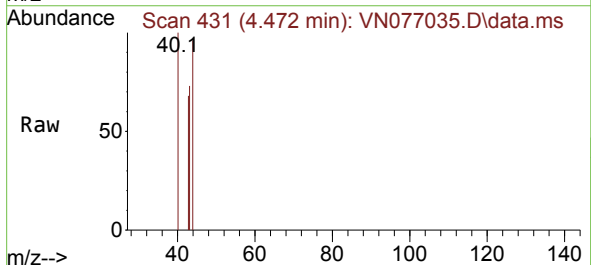
Instrument :
MSVOA_N
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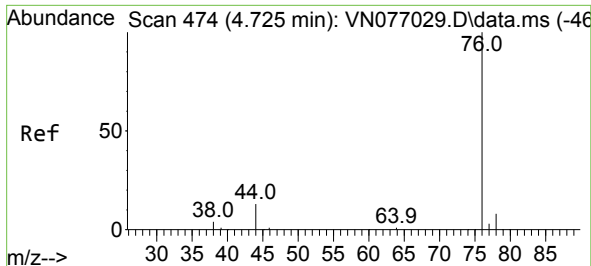
Tgt Ion: 53 Resp: 1778
Ion Ratio Lower Upper
53 100
52 71.9 64.6 97.0
51 15.1 28.3 42.5#



#16
Acetone
Concen: 0.737 ug/l
RT: 4.472 min Scan# 431
Delta R.T. 0.035 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#

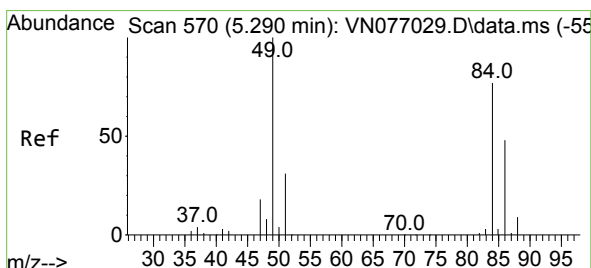
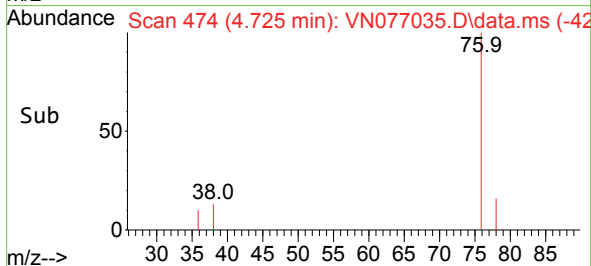
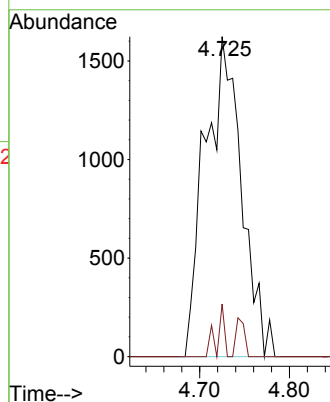
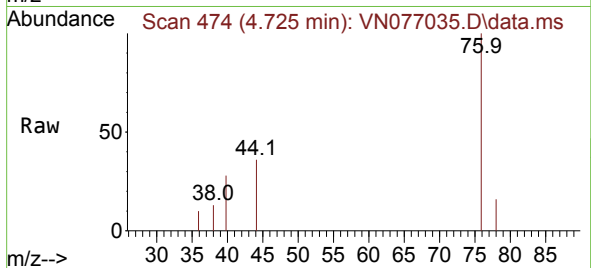




#17
Carbon Disulfide
Concen: 0.336 ug/l
RT: 4.725 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

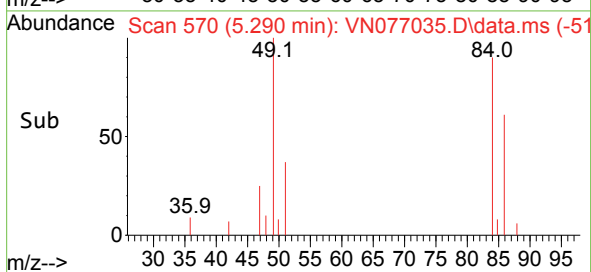
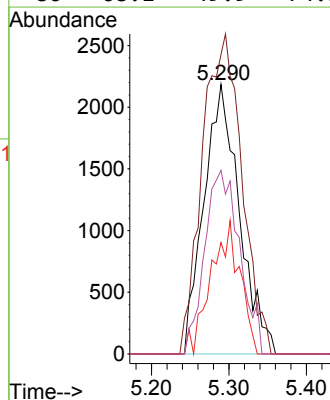
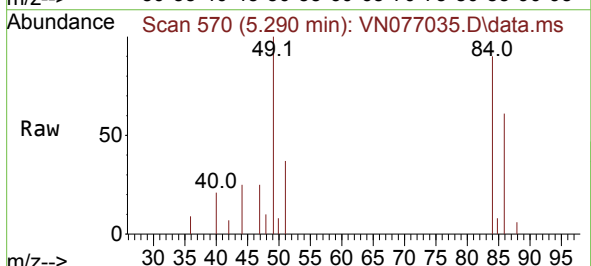
Instrument :
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ClientSampleId :
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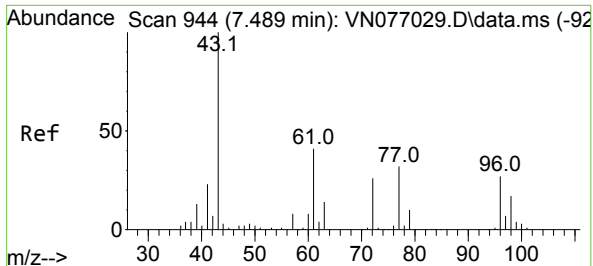
Tgt Ion: 76 Resp: 4583
Ion Ratio Lower Upper
76 100
78 16.5 6.6 10.0#



#20
Methylene Chloride
Concen: 1.169 ug/l
RT: 5.290 min Scan# 570
Delta R.T. 0.000 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Tgt Ion: 84 Resp: 6954
Ion Ratio Lower Upper
84 100
49 111.1 103.8 155.6
51 41.3 32.3 48.5
86 68.1 49.9 74.9

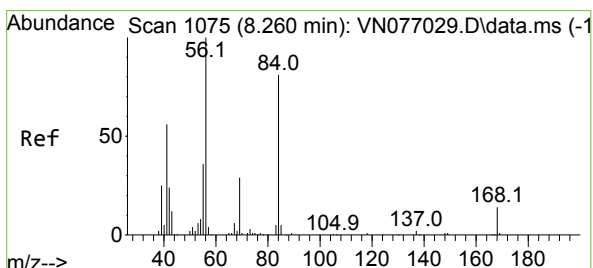
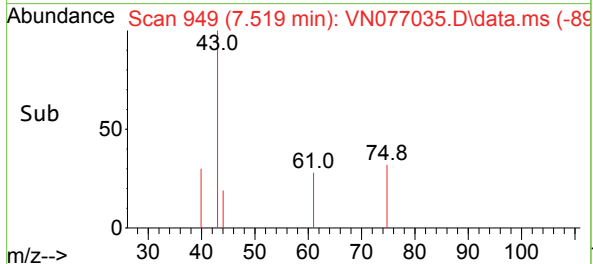
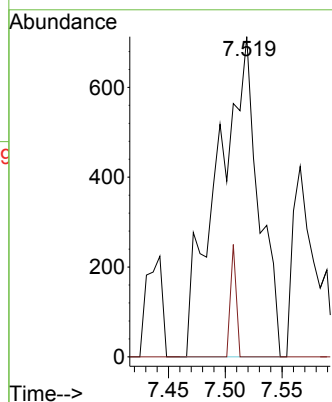
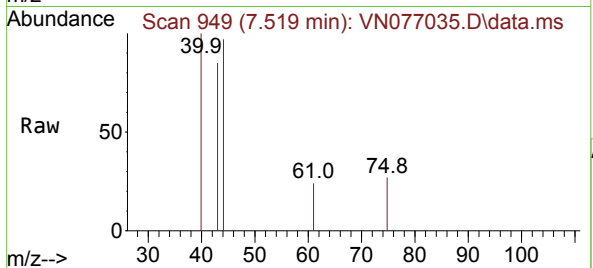




#25
2-Butanone
Concen: 0.446 ug/l
RT: 7.519 min Scan# 944
Delta R.T. 0.029 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

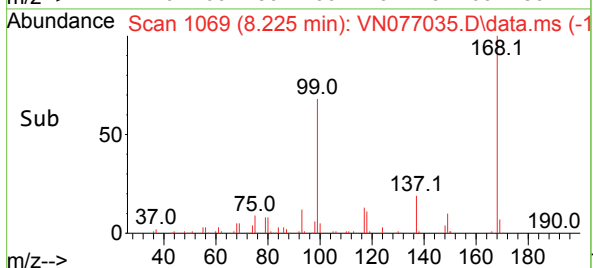
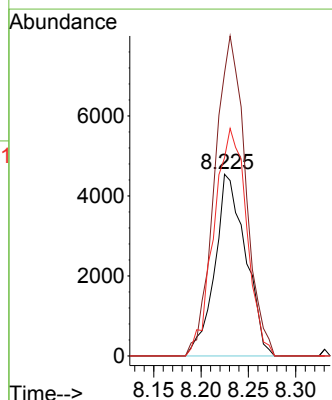
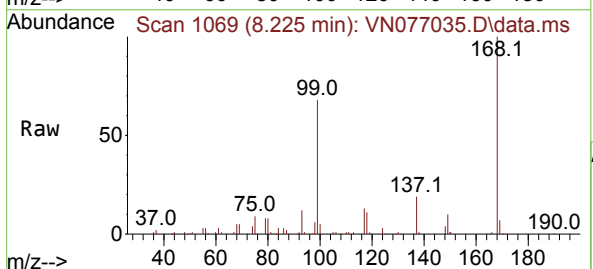
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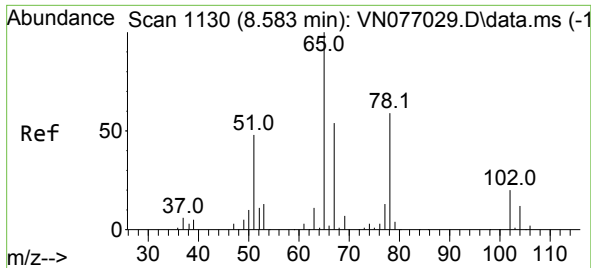
Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#31
Cyclohexane
Concen: 1.019 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Tgt Ion: 56 Resp: 10255
Ion Ratio Lower Upper
56 100
69 155.7 22.8 34.2#
84 109.0 64.7 97.1#

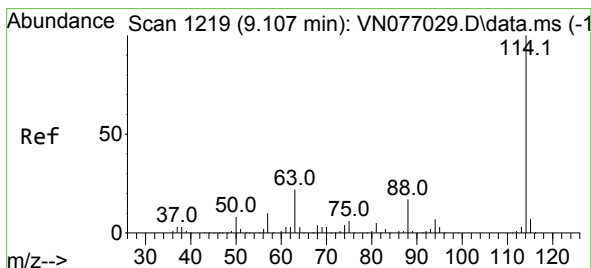
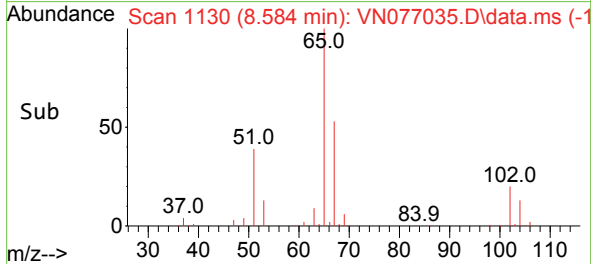
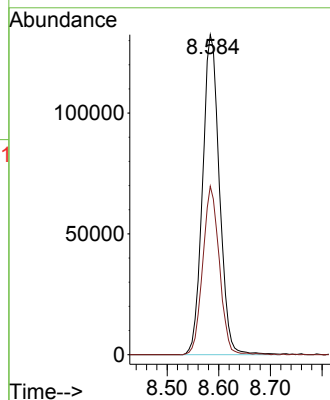
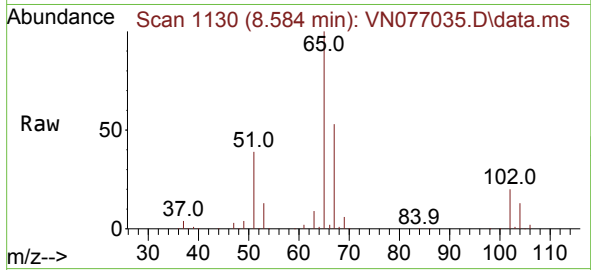




#33
 1,2-Dichloroethane-d4
 Concen: 48.788 ug/l
 RT: 8.584 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VN077035.D
 Acq: 17 Mar 2023 15:06

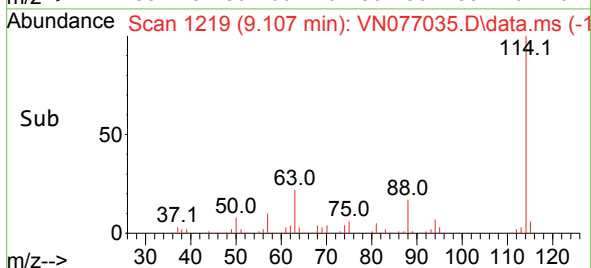
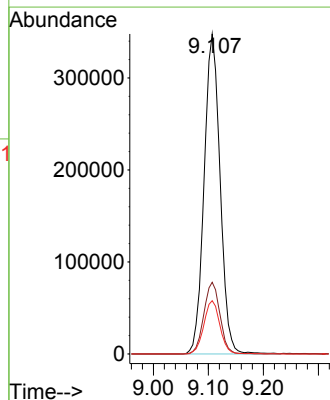
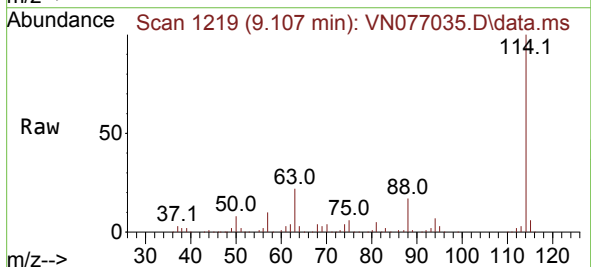
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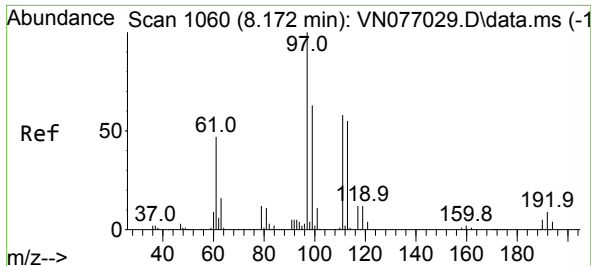
Tgt Ion: 65 Resp: 300044
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN077035.D
 Acq: 17 Mar 2023 15:06

Tgt Ion: 114 Resp: 704224
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.6
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 46.060 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VN077035.D

Acq: 17 Mar 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

VN0317MBL01

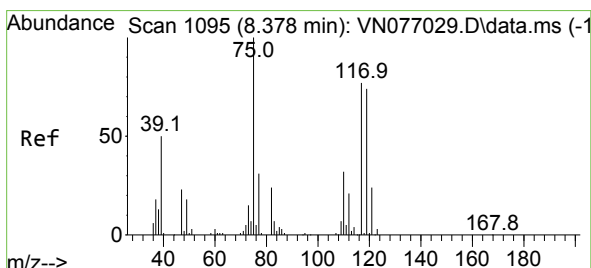
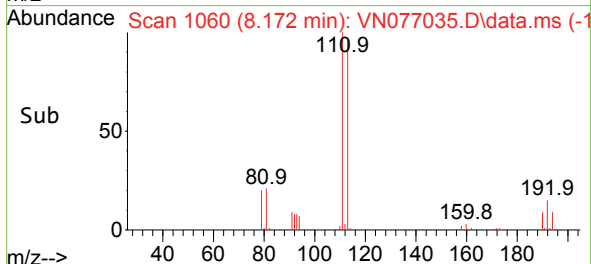
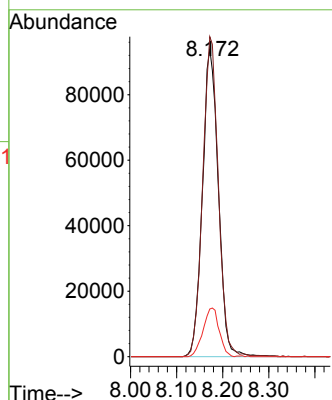
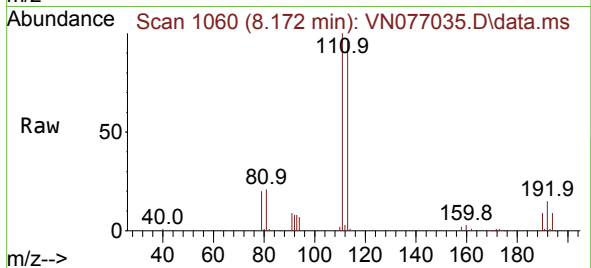
Tgt Ion:113 Resp: 227155

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

192 15.9 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.774 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN077035.D

Acq: 17 Mar 2023 15:06

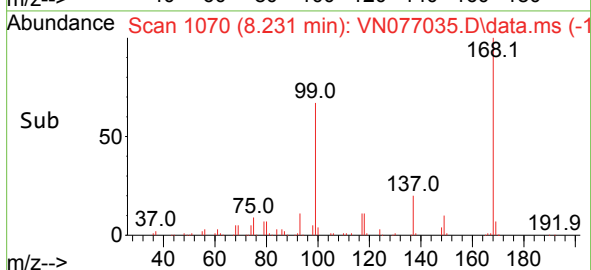
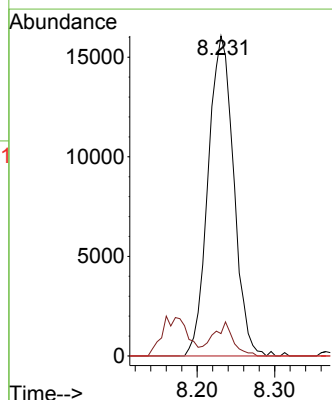
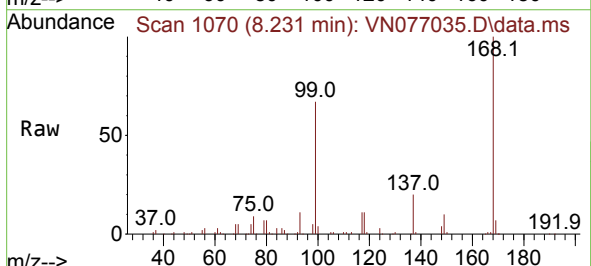
Tgt Ion: 75 Resp: 36771

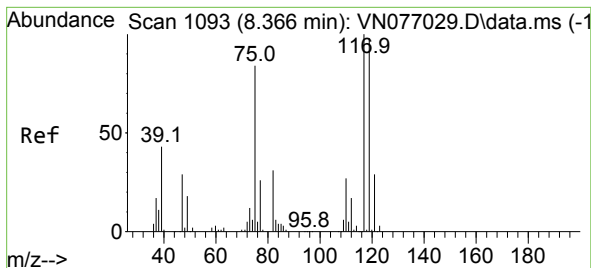
Ion Ratio Lower Upper

75 100

110 8.6 15.9 47.7#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.990 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.141 min

Lab File: VN077035.D

Acq: 17 Mar 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

VN0317MBL01

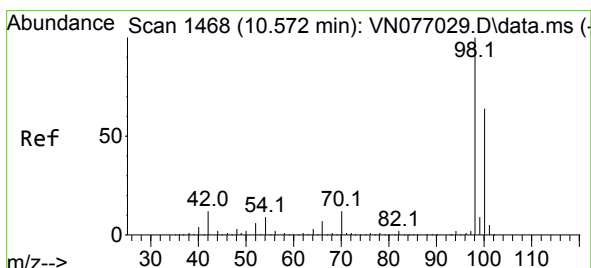
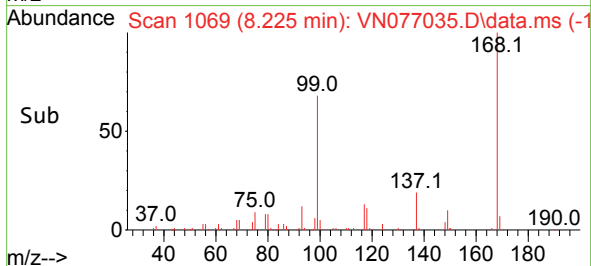
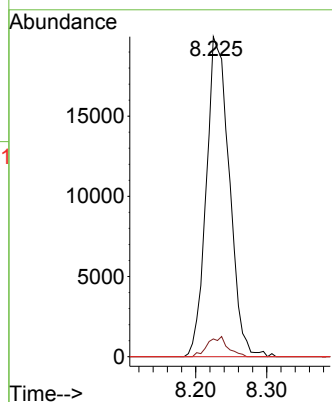
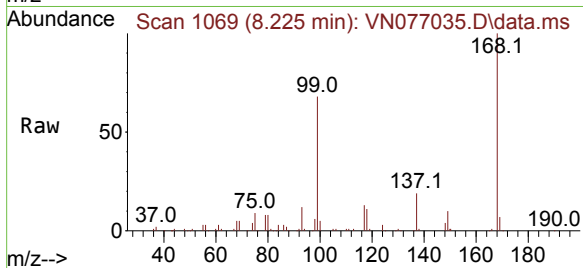
Tgt Ion:117 Resp: 44942

Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.2#

121 0.0 23.2 34.8#



#50

Toluene-d8

Concen: 49.038 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077035.D

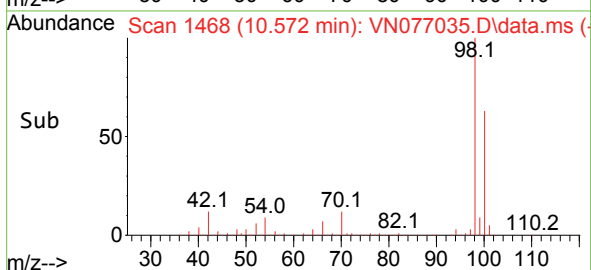
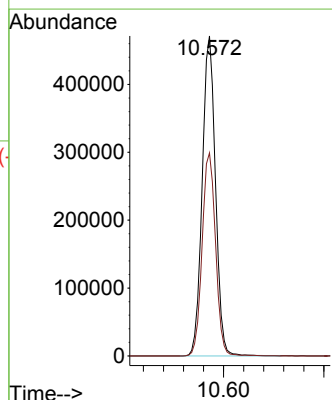
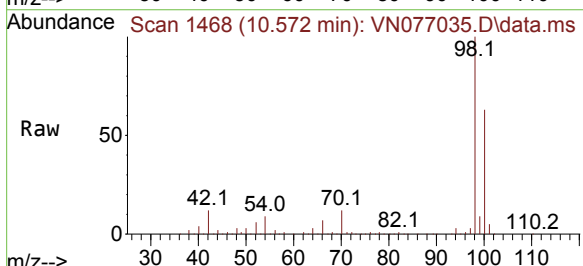
Acq: 17 Mar 2023 15:06

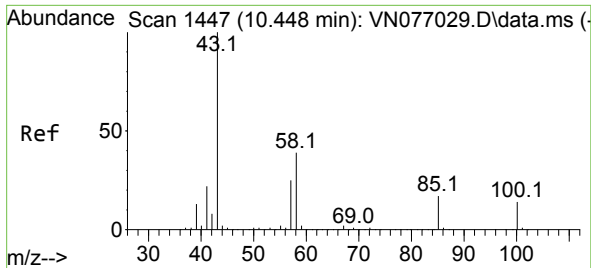
Tgt Ion: 98 Resp: 863891

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4

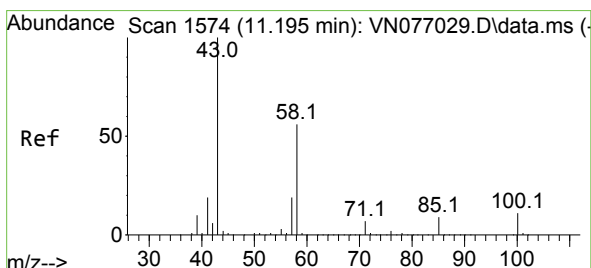
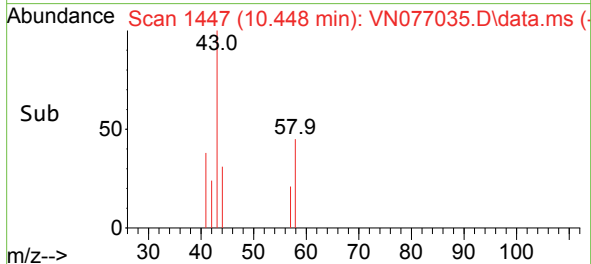
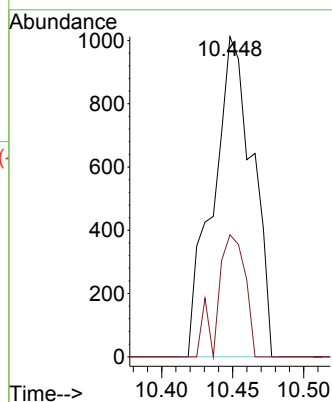
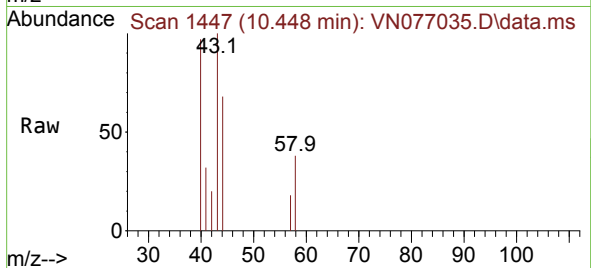




#51
4-Methyl-2-Pentanone
Concen: 0.244 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

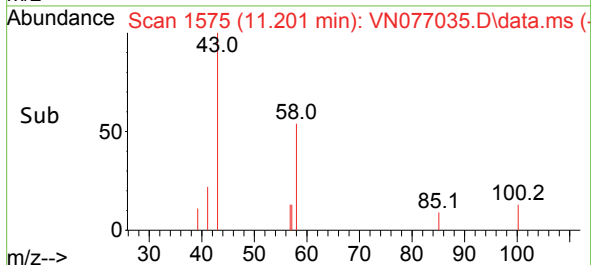
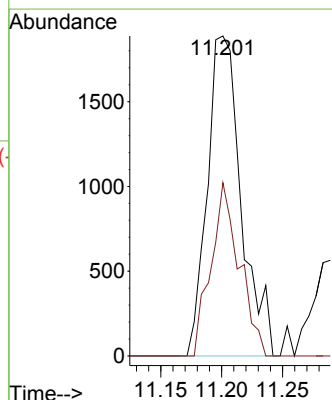
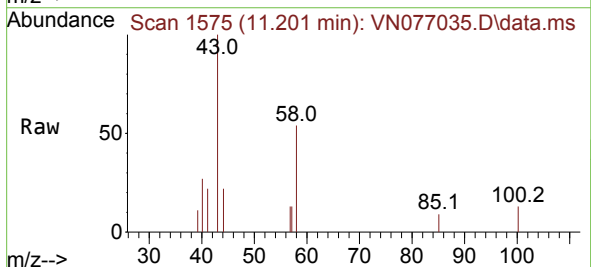
Instrument :
MSVOA_N
ClientSampleId :
VN0317MBL01

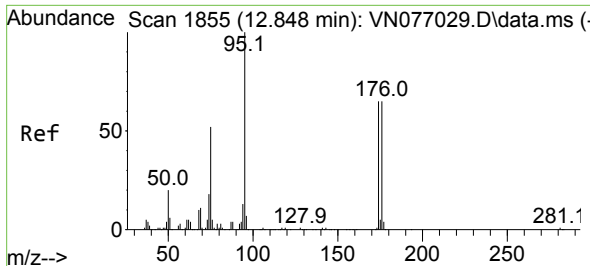
Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
58 26.5 31.1 46.7#



#59
2-Hexanone
Concen: 0.630 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Tgt Ion: 43 Resp: 3662
Ion Ratio Lower Upper
43 100
58 45.2 27.7 83.1

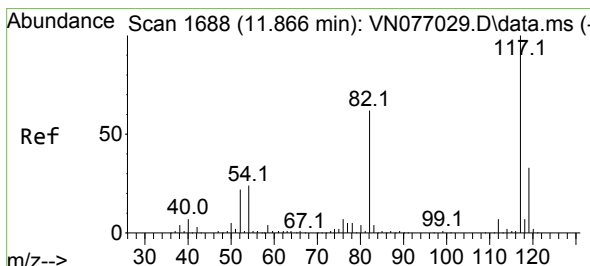
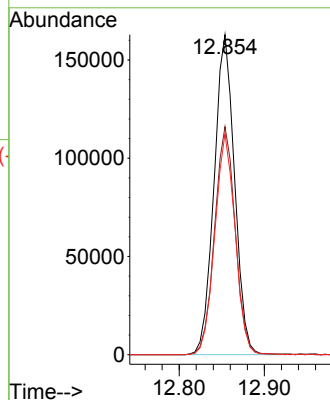
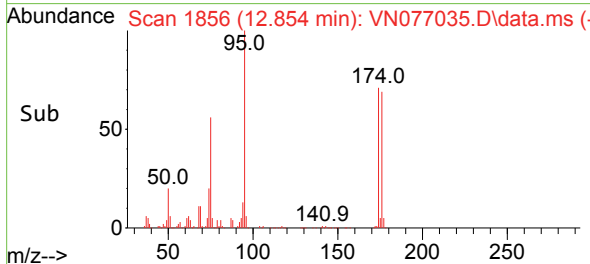
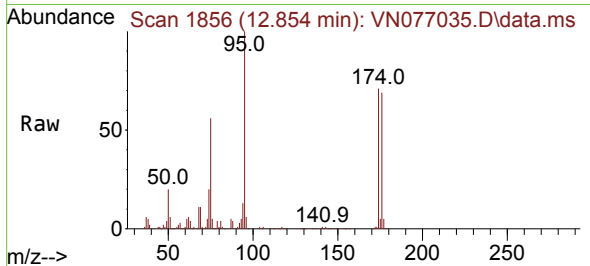




#62
4-Bromofluorobenzene
Concen: 43.719 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

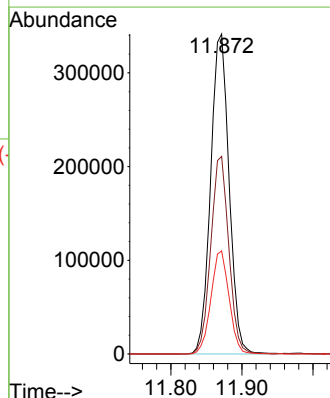
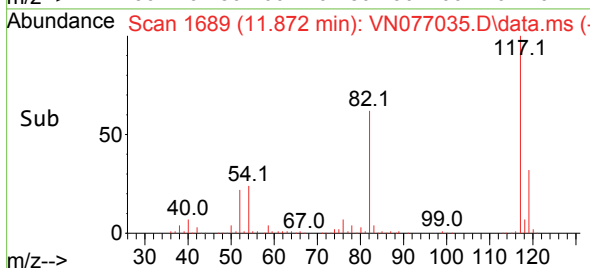
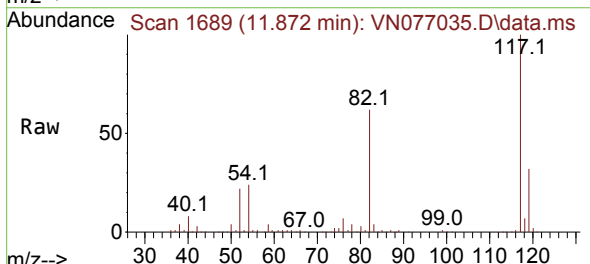
Instrument :
MSVOA_N
ClientSampleId :
VN0317MBL01

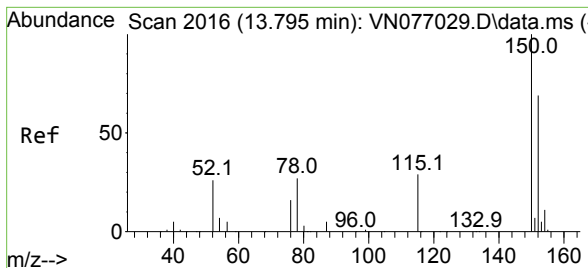
Tgt Ion: 95 Resp: 272157
Ion Ratio Lower Upper
95 100
174 71.7 0.0 136.6
176 68.2 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Tgt Ion: 117 Resp: 615662
Ion Ratio Lower Upper
117 100
82 61.8 49.4 74.0
119 32.2 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN077035.D

Acq: 17 Mar 2023 15:06

Instrument :

MSVOA_N

ClientSampleId :

VN0317MBL01

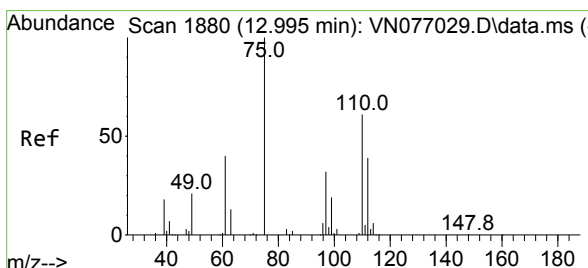
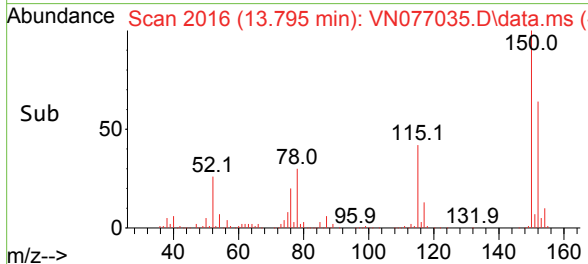
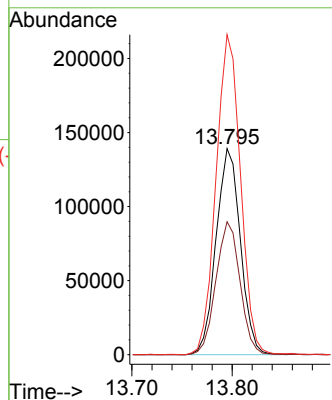
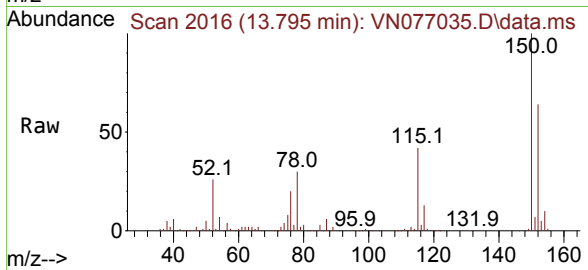
Tgt Ion:152 Resp: 233959

Ion Ratio Lower Upper

152 100

115 63.9 31.9 95.7

150 157.0 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 25.150 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077035.D

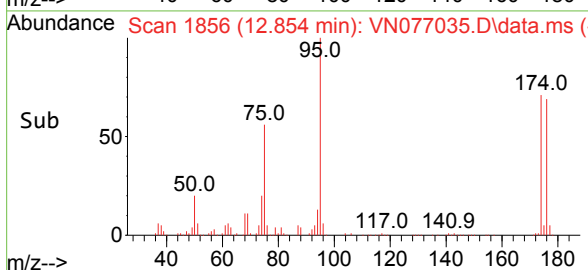
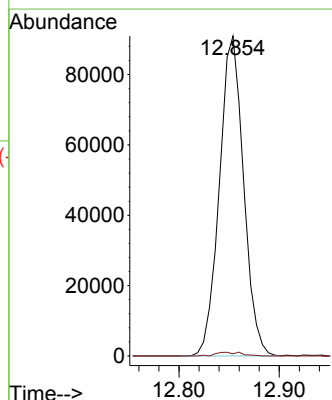
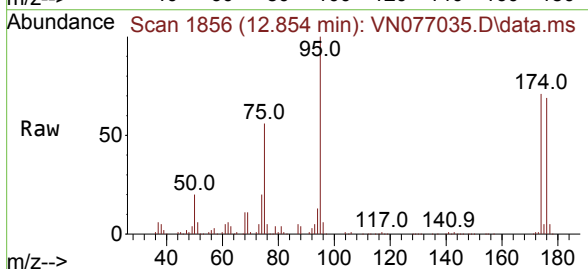
Acq: 17 Mar 2023 15:06

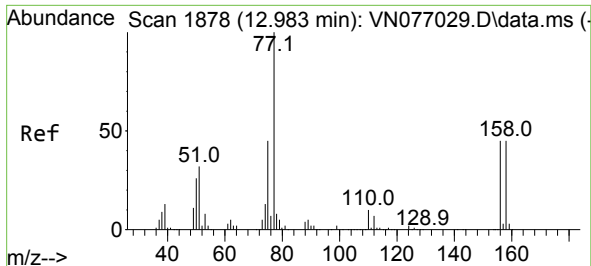
Tgt Ion: 75 Resp: 152199

Ion Ratio Lower Upper

75 100

77 1.3 107.3 322.0#

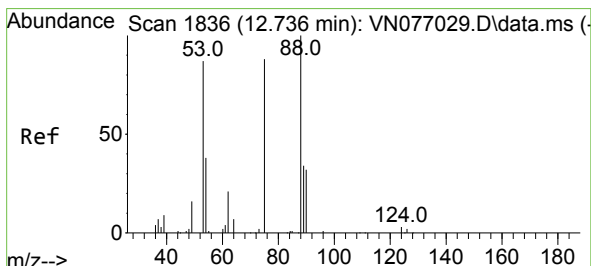
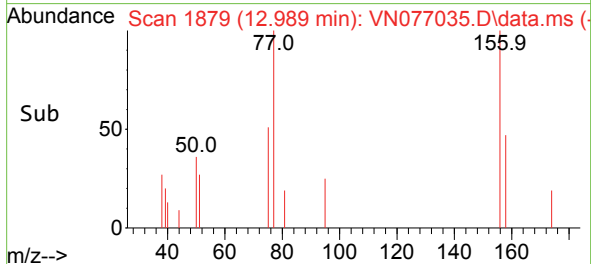
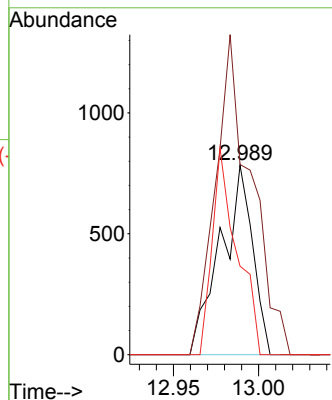
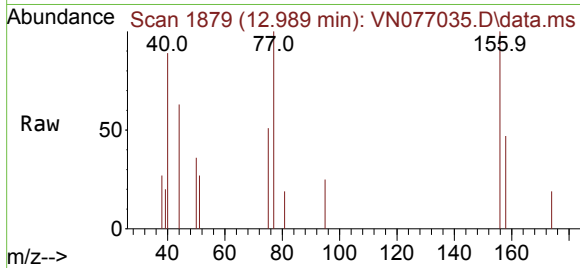




#77
Bromobenzene
Concen: 0.218 ug/l
RT: 12.989 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

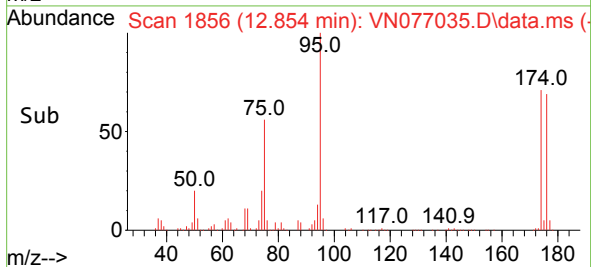
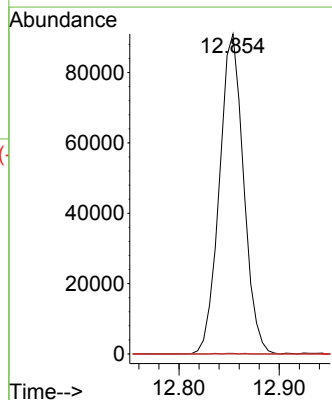
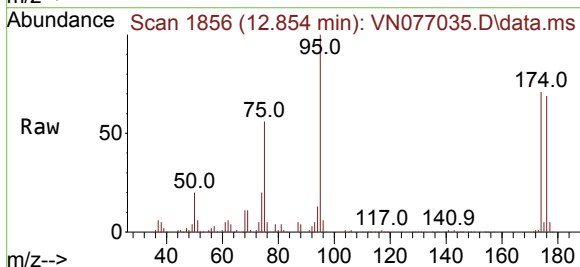
Instrument :
MSVOA_N
ClientSampleId :
VN0317MBL01

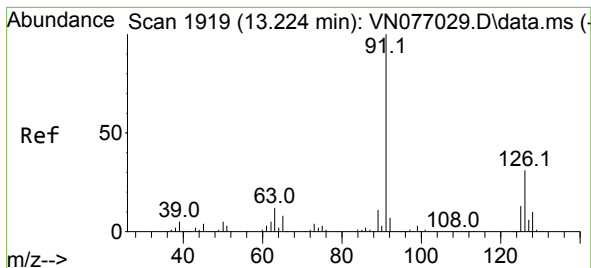
Tgt Ion:156 Resp: 1024
Ion Ratio Lower Upper
156 100
77 188.3 124.8 374.3
158 84.1 48.6 145.9



#81
trans-1,4-Dichloro-2-butene
Concen: 69.227 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Tgt Ion: 75 Resp: 152199
Ion Ratio Lower Upper
75 100
53 0.2 80.8 121.2#
89 0.0 34.2 51.4#

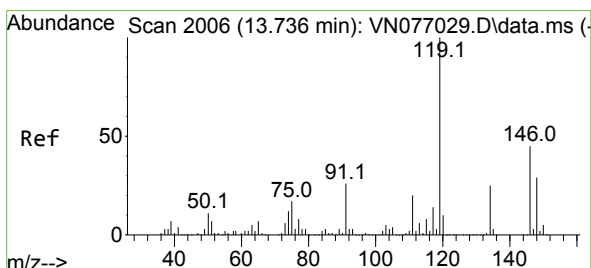
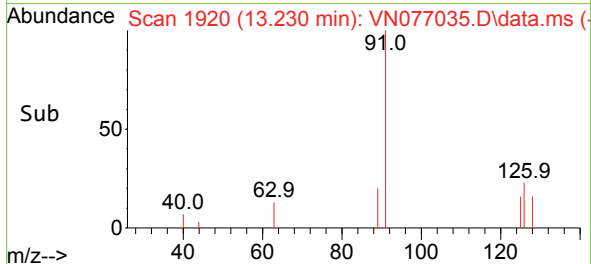
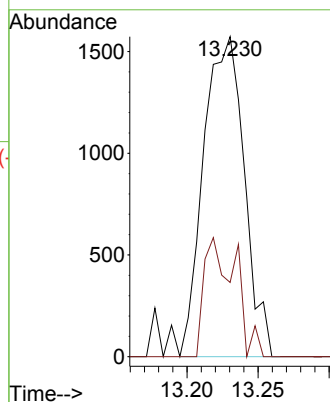
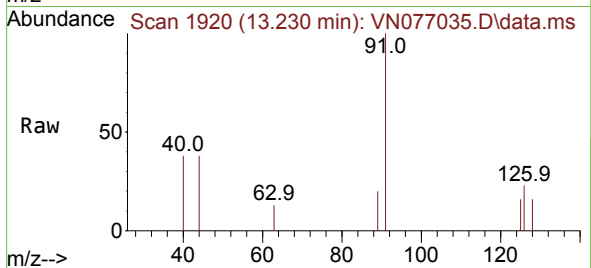




#82
4-Chlorotoluene
Concen: 0.214 ug/l
RT: 13.230 min Scan# 1919
Delta R.T. 0.006 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

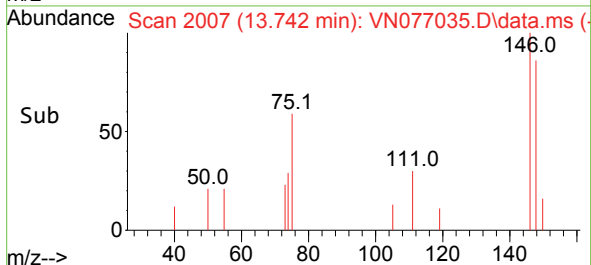
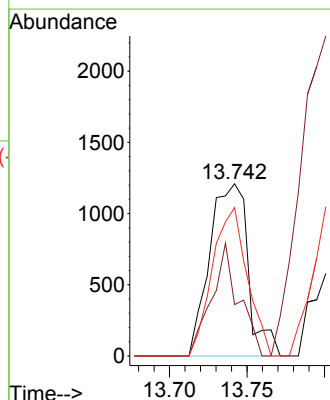
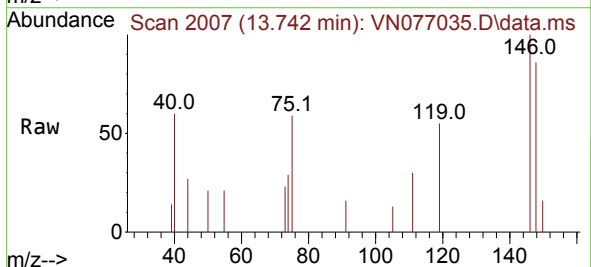
Instrument :
MSVOA_N
ClientSampleId :
VN0317MBL01

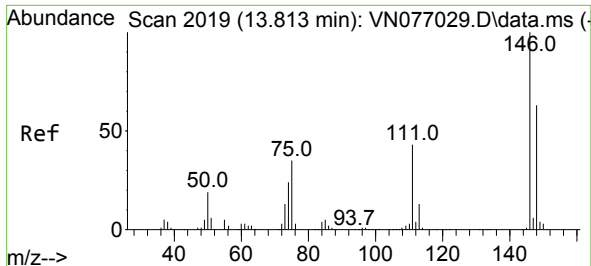
Tgt Ion: 91 Resp: 3135
Ion Ratio Lower Upper
91 100
126 28.5 15.5 46.5



#87
1,3-Dichlorobenzene
Concen: 0.236 ug/l
RT: 13.742 min Scan# 2007
Delta R.T. 0.006 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Tgt Ion: 146 Resp: 2095
Ion Ratio Lower Upper
146 100
111 46.2 21.9 65.5
148 77.9 32.1 96.5

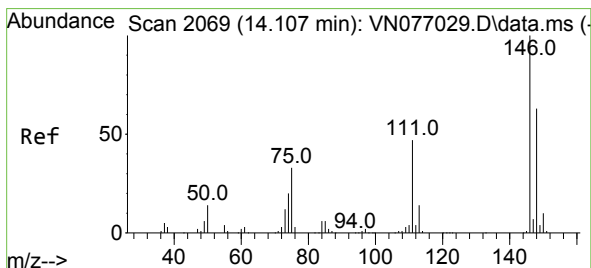
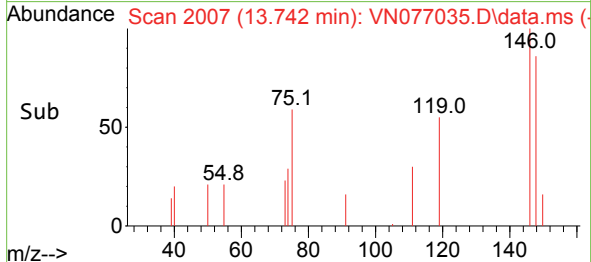
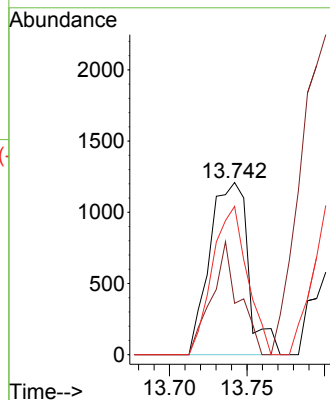
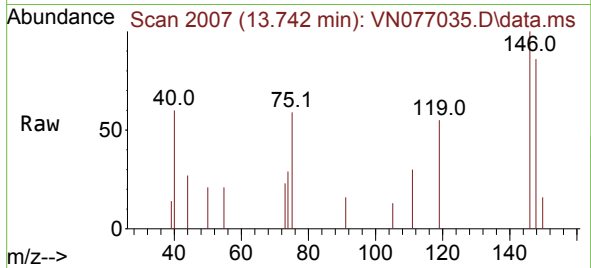




#88
 1,4-Dichlorobenzene
 Concen: 0.237 ug/l
 RT: 13.742 min Scan# 2070
 Delta R.T. -0.071 min
 Lab File: VN077035.D
 Acq: 17 Mar 2023 15:06

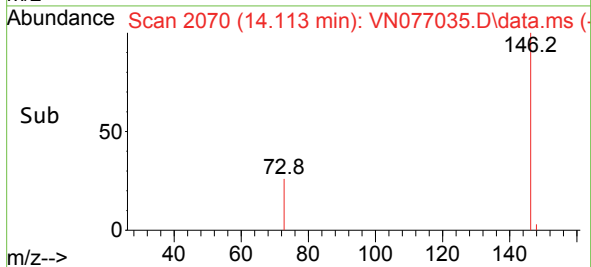
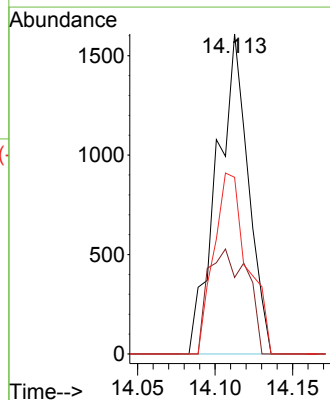
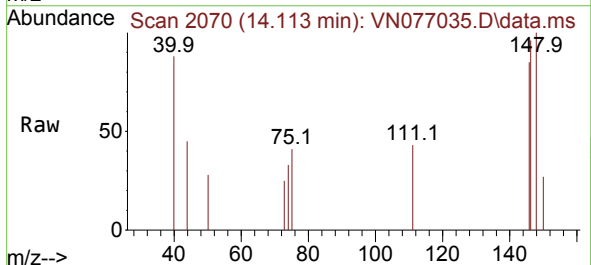
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317MBL01

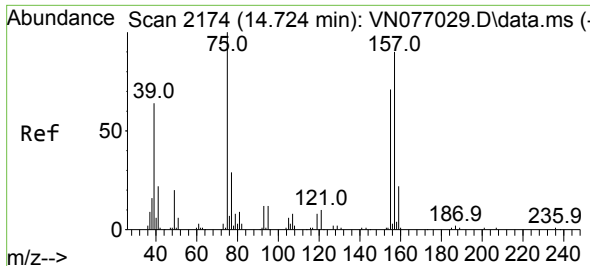
Tgt Ion:146 Resp: 2095
 Ion Ratio Lower Upper
 146 100
 111 46.2 21.5 64.5
 148 77.9 31.9 95.9



#91
 1,2-Dichlorobenzene
 Concen: 0.257 ug/l
 RT: 14.113 min Scan# 2070
 Delta R.T. 0.006 min
 Lab File: VN077035.D
 Acq: 17 Mar 2023 15:06

Tgt Ion:146 Resp: 2271
 Ion Ratio Lower Upper
 146 100
 111 40.7 22.6 67.7
 148 60.6 31.6 95.0

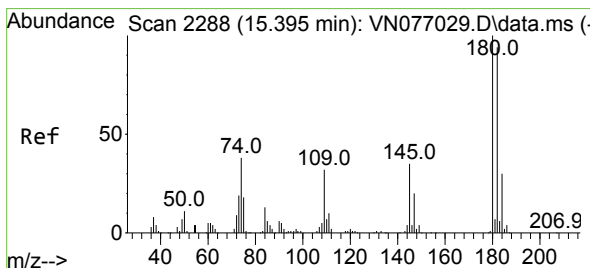
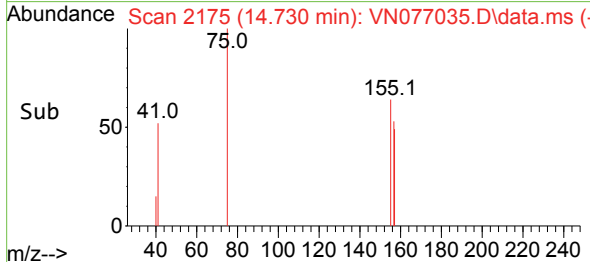
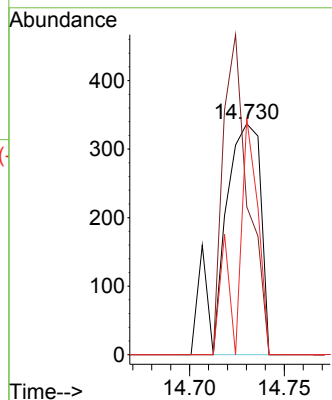
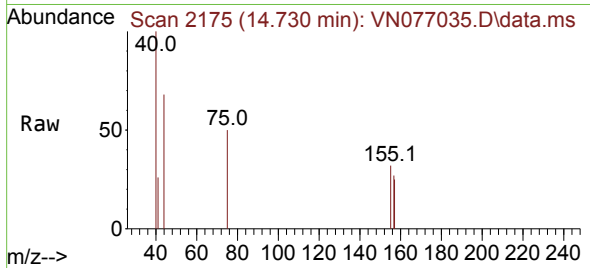




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.332 ug/l
 RT: 14.730 min Scan# 2175
 Delta R.T. 0.006 min
 Lab File: VN077035.D
 Acq: 17 Mar 2023 15:06

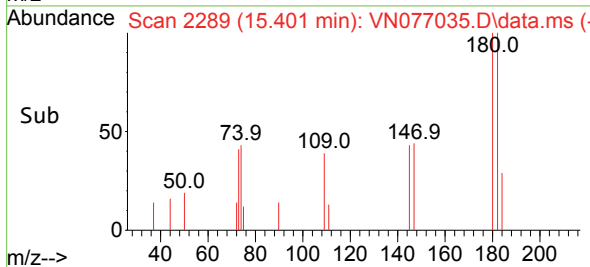
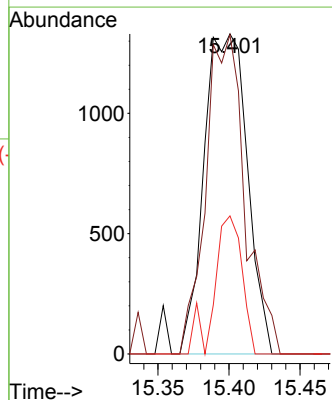
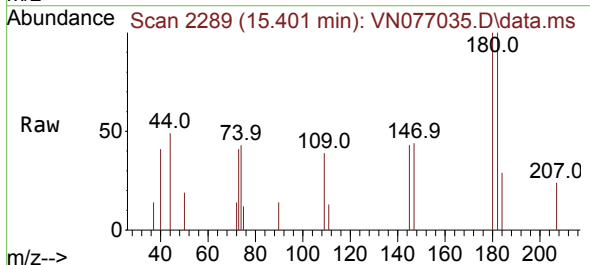
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317MBL01

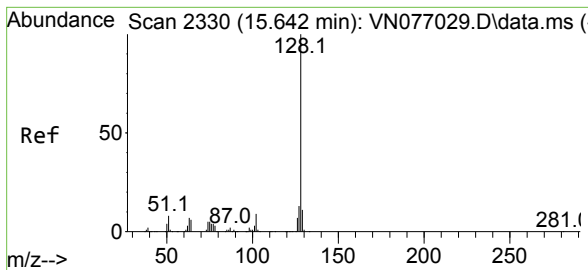
Tgt Ion: 75 Resp: 468
 Ion Ratio Lower Upper
 75 100
 155 91.5 36.1 108.3
 157 55.6 45.8 137.3



#93
 1,2,4-Trichlorobenzene
 Concen: 0.702 ug/l
 RT: 15.401 min Scan# 2289
 Delta R.T. 0.006 min
 Lab File: VN077035.D
 Acq: 17 Mar 2023 15:06

Tgt Ion: 180 Resp: 2806
 Ion Ratio Lower Upper
 180 100
 182 90.9 47.3 141.9
 145 27.7 16.9 50.7

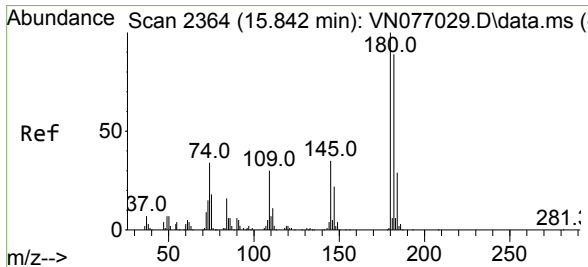
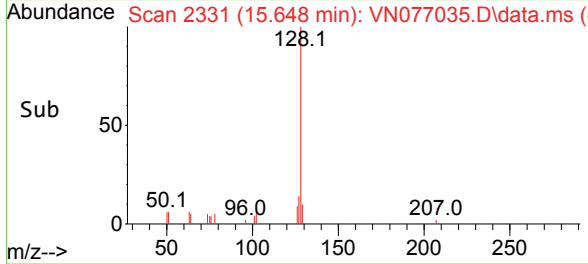
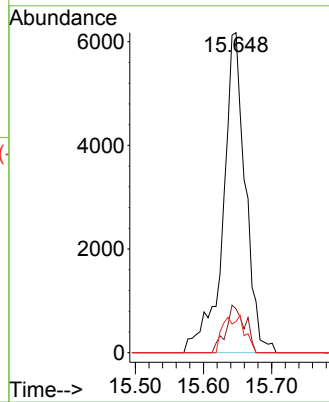
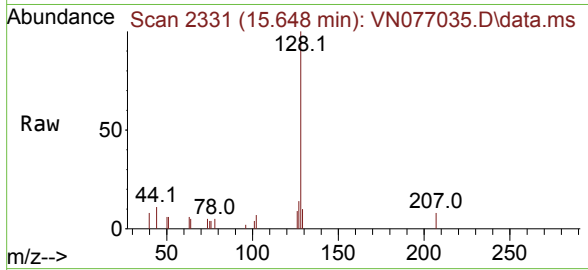




#95
Naphthalene
Concen: 2.781 ug/l
RT: 15.648 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0317MBL01

Tgt Ion:128 Resp: 14041
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.862 ug/l
RT: 15.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: VN077035.D
Acq: 17 Mar 2023 15:06

Tgt Ion:180 Resp: 3459
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 27.1 17.9 53.8

