

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042523\
 Data File : VN077474.D
 Acq On : 25 Apr 2023 17:08
 Operator : JC\MD
 Sample : 02460-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-041923

Quant Time: Apr 26 04:21:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

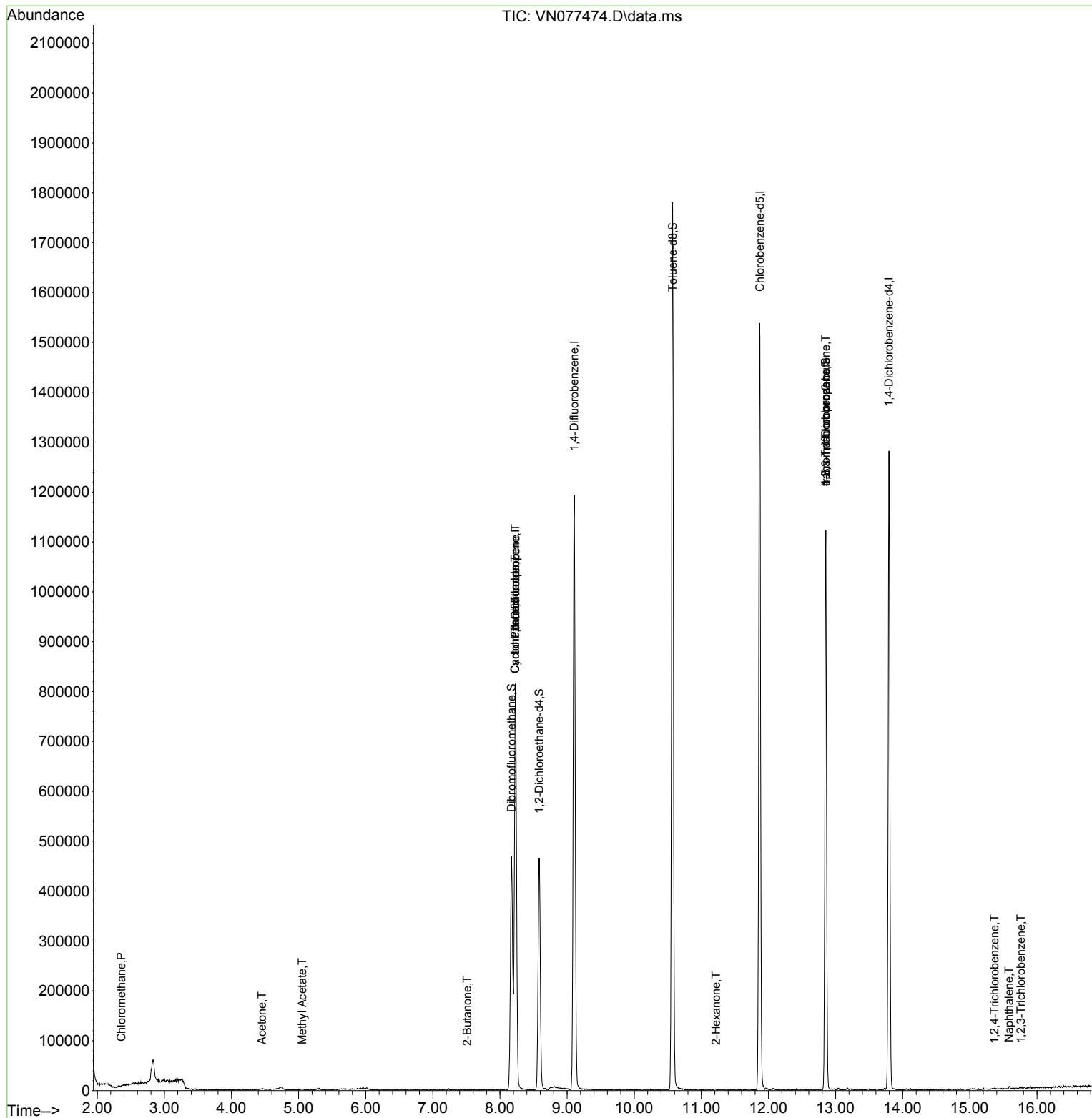
Internal Standards						
1) Pentafluorobenzene	8.231	168	576778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1099472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	967977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	340297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	376425	50.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 100.020%		
35) Dibromofluoromethane	8.172	113	331094	50.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 100.200%		
50) Toluene-d8	10.572	98	1312795	51.834	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 103.660%		
62) 4-Bromofluorobenzene	12.854	95	405398	48.924	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 97.840%		
Target Compounds						Qvalue
3) Chloromethane	2.360	50	1715	0.297	ug/l #	84
16) Acetone	4.454	43	1866	0.779	ug/l	91
18) Methyl Acetate	5.054	43	2288	0.247	ug/l #	69
25) 2-Butanone	7.513	43	767	0.226	ug/l #	37
31) Cyclohexane	8.225	56	13235	1.241	ug/l #	24
36) 1,1-Dichloropropene	8.231	75	50484	5.288	ug/l #	49
38) Carbon Tetrachloride	8.225	117	63525	6.031	ug/l #	17
59) 2-Hexanone	11.219	43	1256	0.235	ug/l	89
76) 1,2,3-Trichloropropane	12.854	75	216074	27.305	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	216074	77.142	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.365	180	394	0.957	ug/l #	29
95) Naphthalene	15.583	128	3399	1.513	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.759	180	678	0.774	ug/l	89

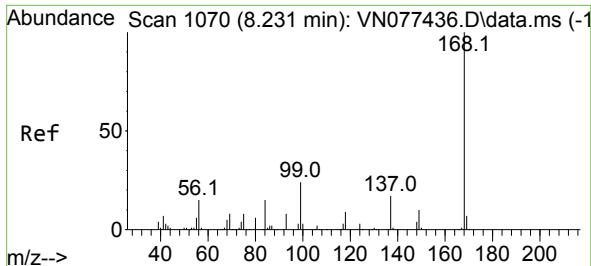
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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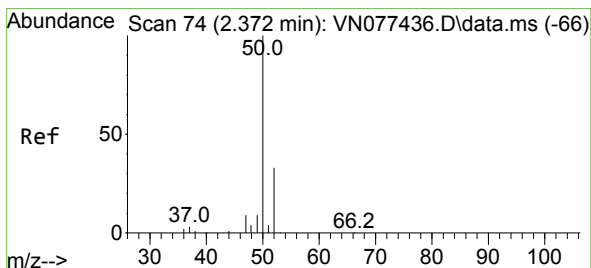
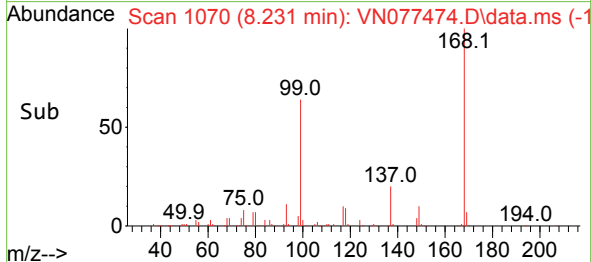
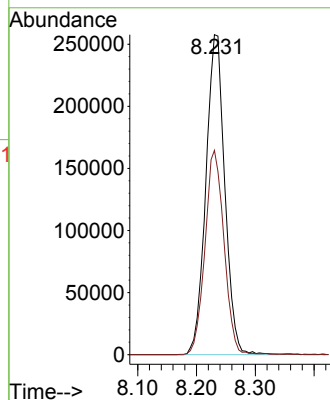
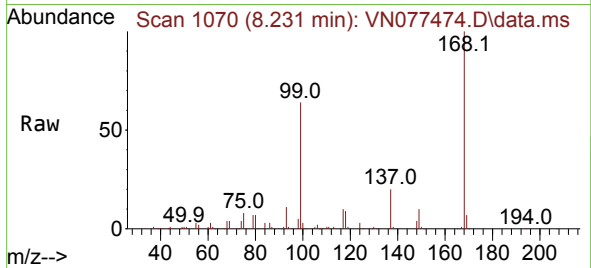




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077474.D
Acq: 25 Apr 2023 17:08

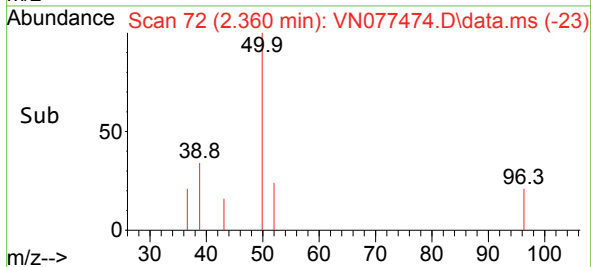
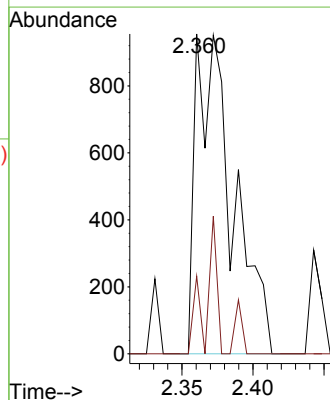
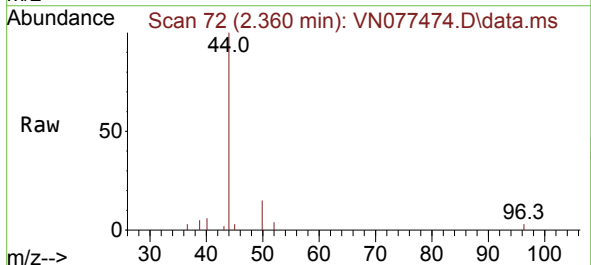
Instrument :
MSVOA_N
ClientSampleId :
TB-041923

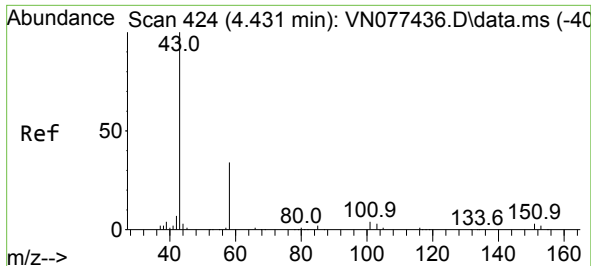
Tgt Ion:168 Resp: 576778
Ion Ratio Lower Upper
168 100
99 63.8 53.0 79.6



#3
Chloromethane
Concen: 0.297 ug/l
RT: 2.360 min Scan# 72
Delta R.T. -0.012 min
Lab File: VN077474.D
Acq: 25 Apr 2023 17:08

Tgt Ion: 50 Resp: 1715
Ion Ratio Lower Upper
50 100
52 24.3 26.5 39.7#

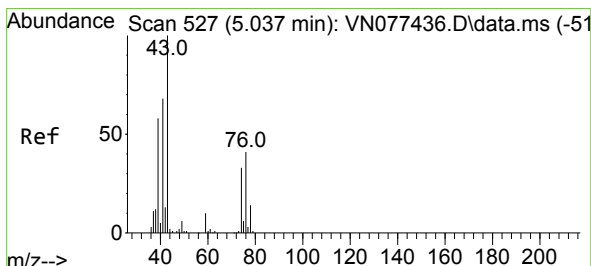
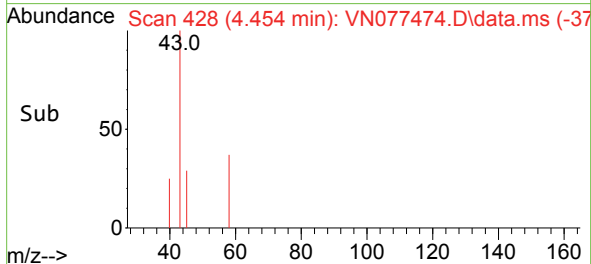
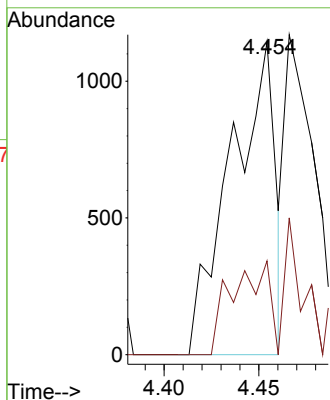
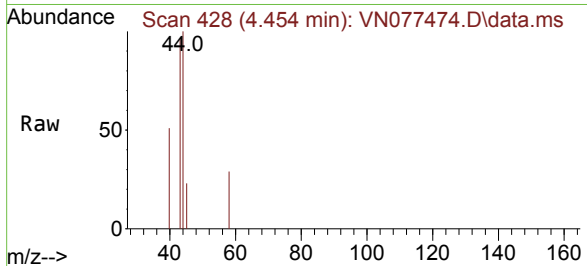




#16
Acetone
Concen: 0.779 ug/l
RT: 4.454 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN077474.D
Acq: 25 Apr 2023 17:08

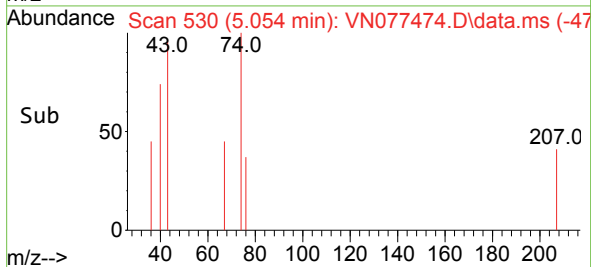
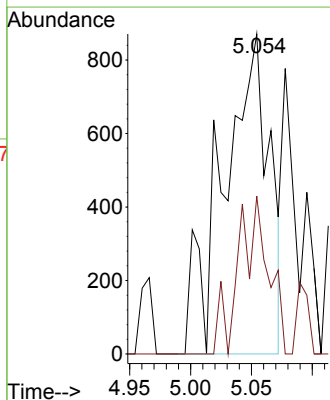
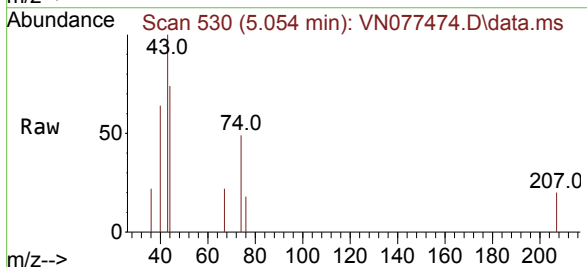
Instrument :
MSVOA_N
ClientSampleId :
TB-041923

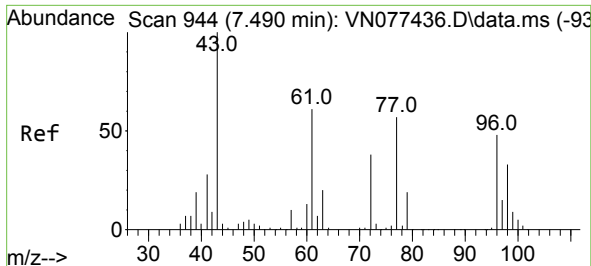
Tgt Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
58 30.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.247 ug/l
RT: 5.054 min Scan# 530
Delta R.T. 0.018 min
Lab File: VN077474.D
Acq: 25 Apr 2023 17:08

Tgt Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
74 15.4 26.2 39.4#

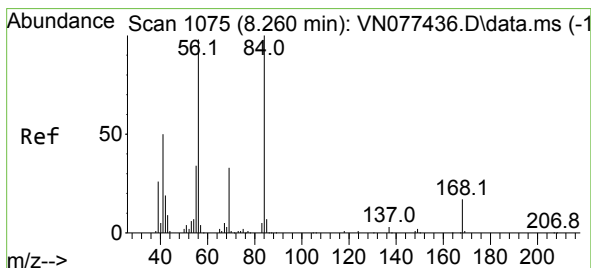
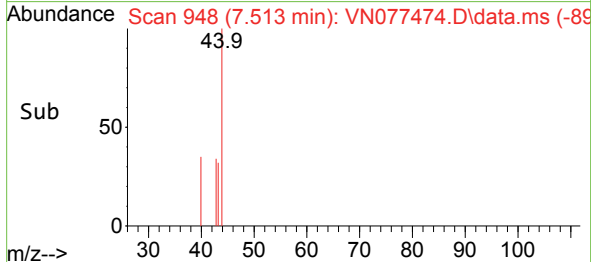
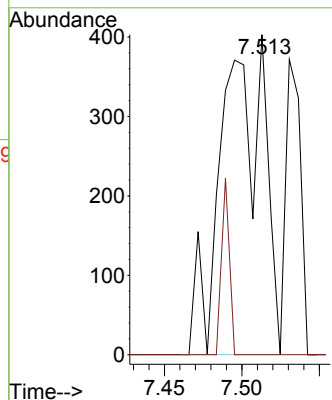
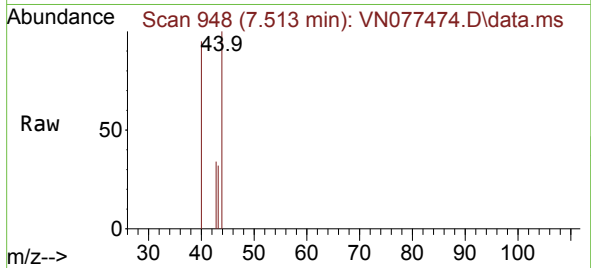




#25
2-Butanone
Concen: 0.226 ug/l
RT: 7.513 min Scan# 944
Delta R.T. 0.023 min
Lab File: VN077474.D
Acq: 25 Apr 2023 17:08

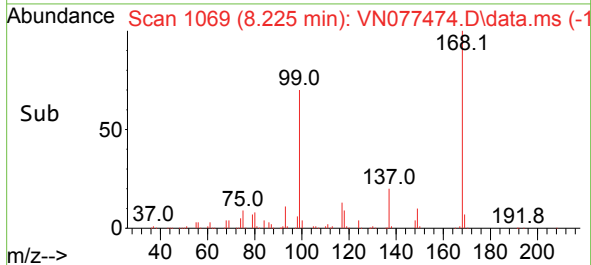
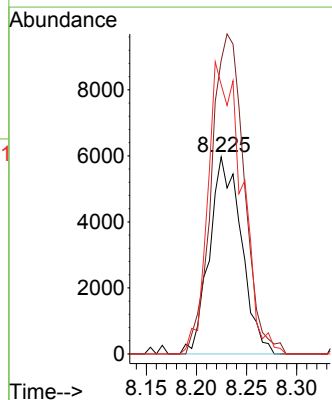
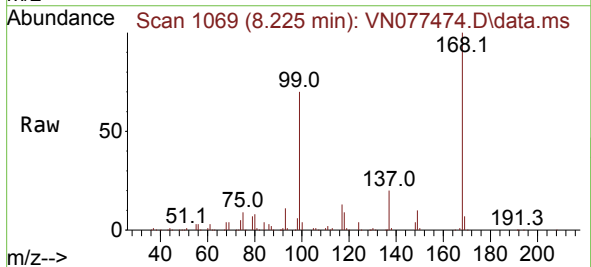
Instrument :
MSVOA_N
ClientSampleId :
TB-041923

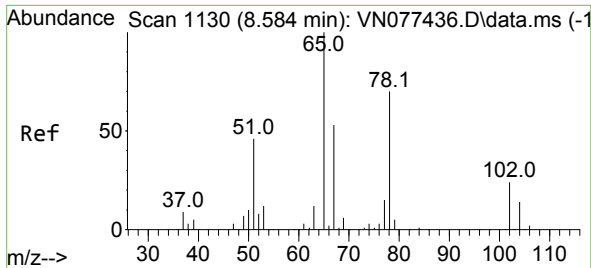
Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077474.D
Acq: 25 Apr 2023 17:08

Tgt Ion: 56 Resp: 13235
Ion Ratio Lower Upper
56 100
69 148.9 26.8 40.2#
84 136.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 50.015 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077474.D

Acq: 25 Apr 2023 17:08

Instrument :

MSVOA_N

ClientSampleId :

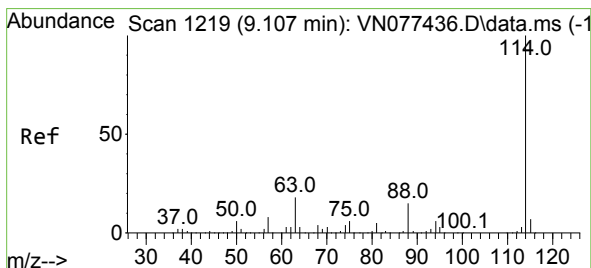
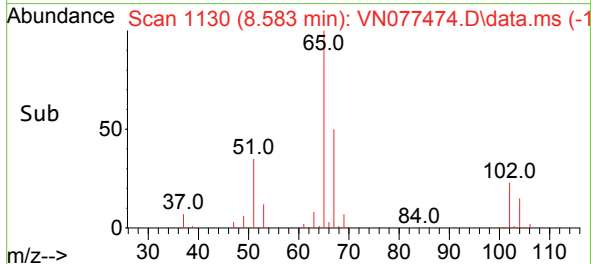
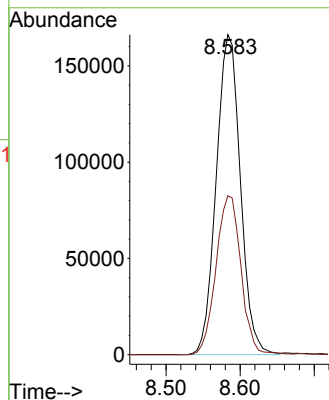
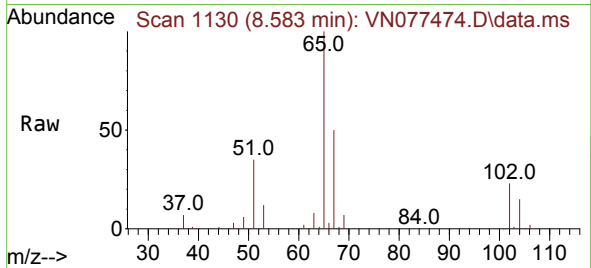
TB-041923

Tgt Ion: 65 Resp: 376425

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077474.D

Acq: 25 Apr 2023 17:08

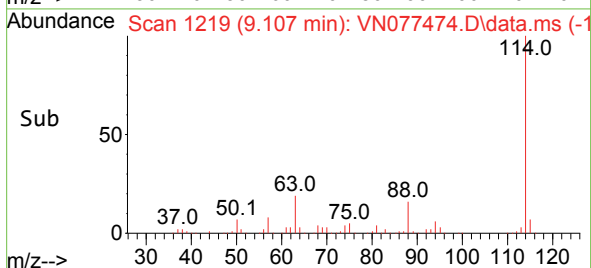
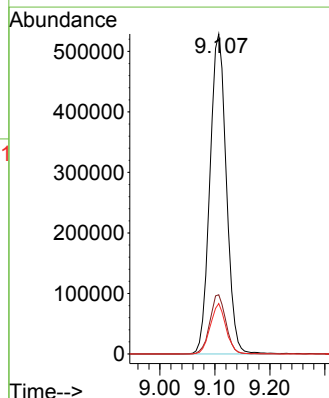
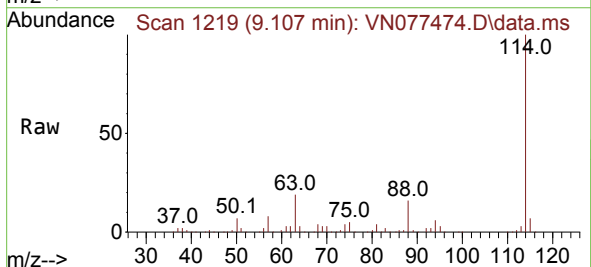
Tgt Ion: 114 Resp: 1099472

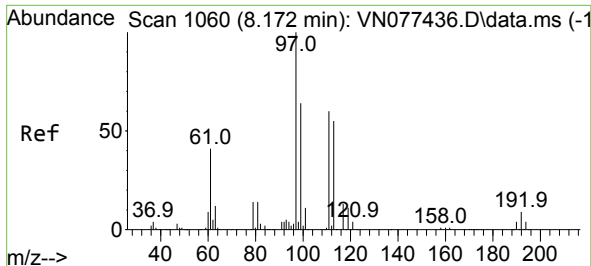
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

88 15.7 0.0 30.6

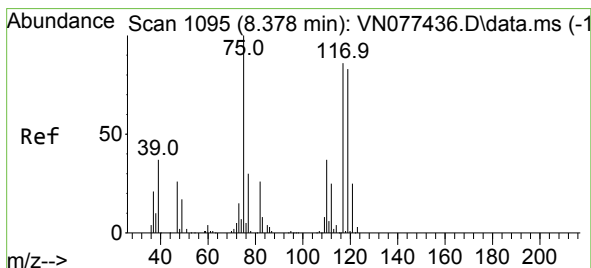
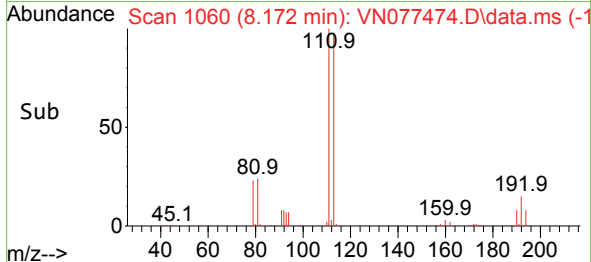
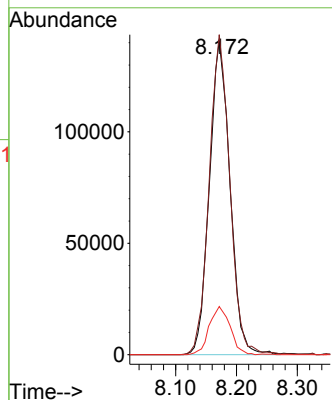
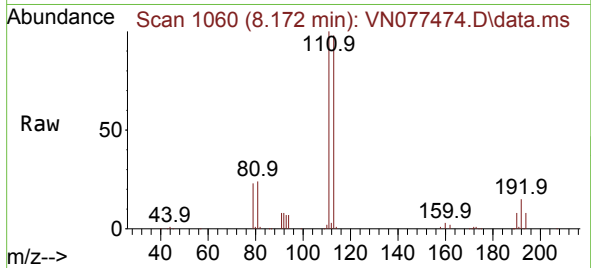




#35
 Dibromofluoromethane
 Concen: 50.103 ug/l
 RT: 8.172 min Scan# 1060
 Delta R.T. -0.000 min
 Lab File: VN077474.D
 Acq: 25 Apr 2023 17:08

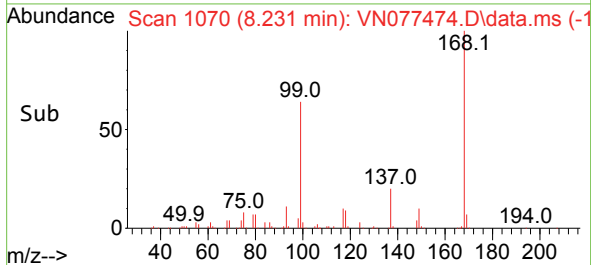
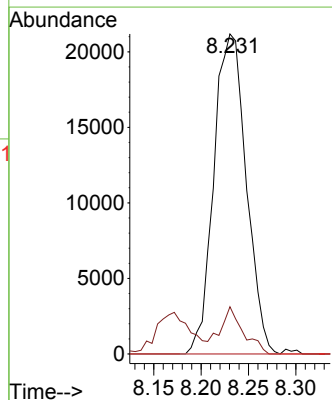
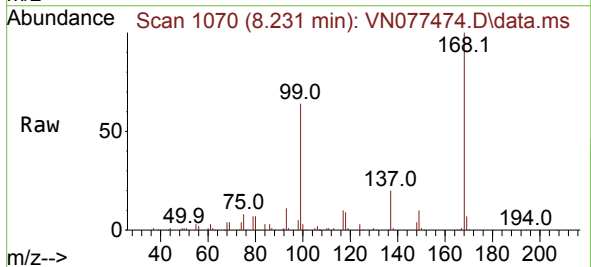
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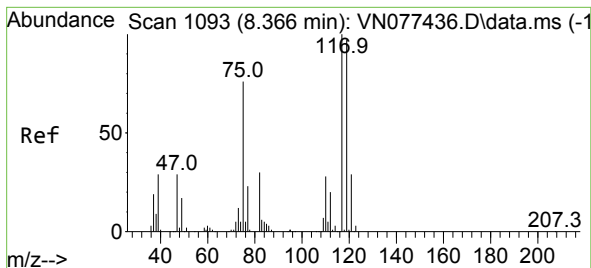
Tgt Ion:113 Resp: 331094
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.6 123.8
 192 15.6 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 5.288 ug/l
 RT: 8.231 min Scan# 1070
 Delta R.T. -0.147 min
 Lab File: VN077474.D
 Acq: 25 Apr 2023 17:08

Tgt Ion: 75 Resp: 50484
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.1 57.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.031 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.141 min

Lab File: VN077474.D

Acq: 25 Apr 2023 17:08

Instrument :

MSVOA_N

ClientSampleId :

TB-041923

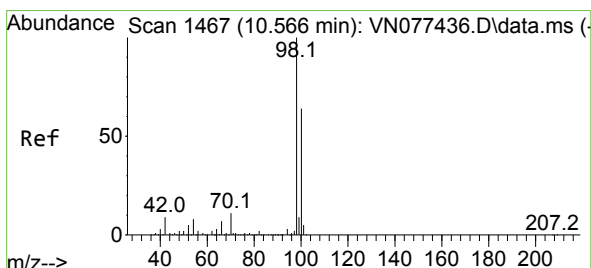
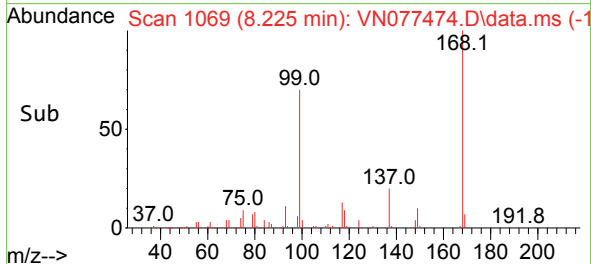
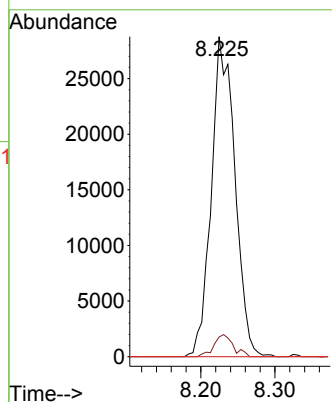
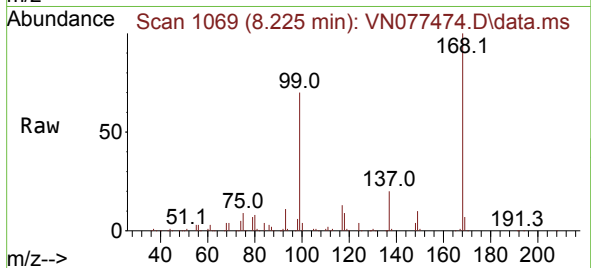
Tgt Ion:117 Resp: 63525

Ion Ratio Lower Upper

117 100

119 6.2 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 51.834 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077474.D

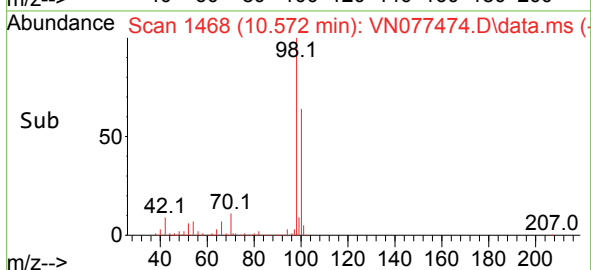
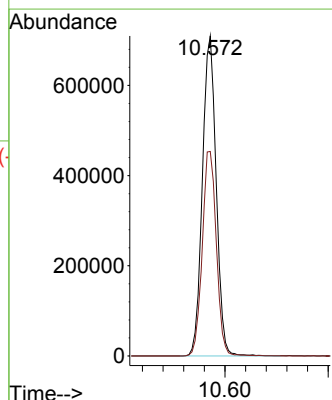
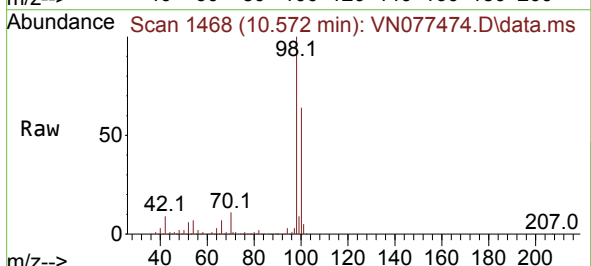
Acq: 25 Apr 2023 17:08

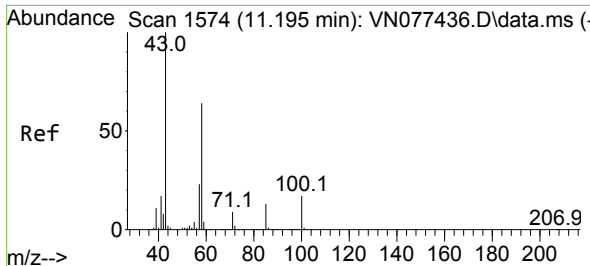
Tgt Ion: 98 Resp: 1312795

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0

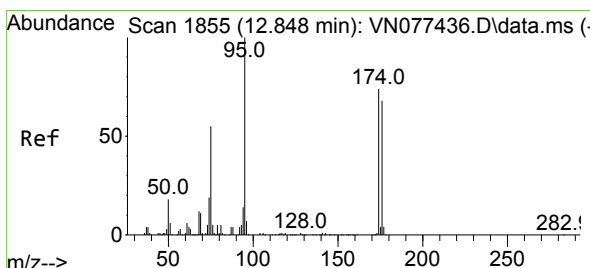
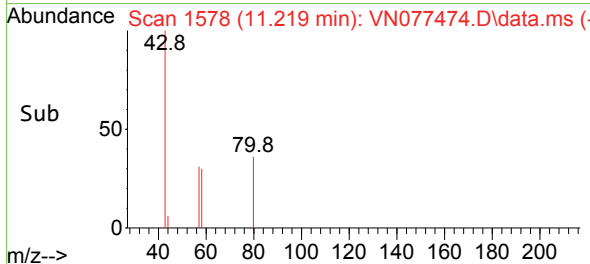
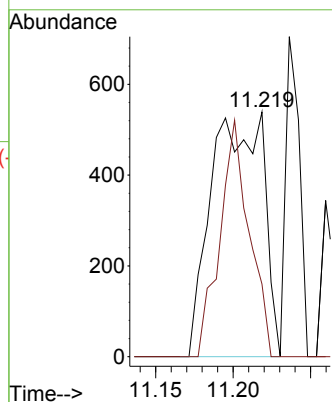
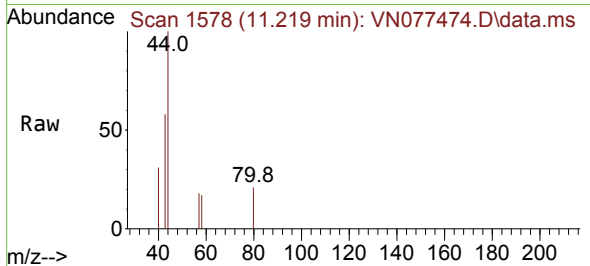




#59
2-Hexanone
Concen: 0.235 ug/l
RT: 11.219 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN077474.D
Acq: 25 Apr 2023 17:08

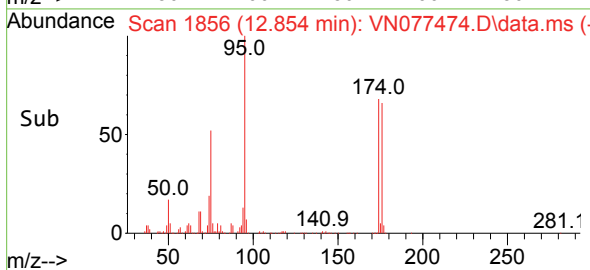
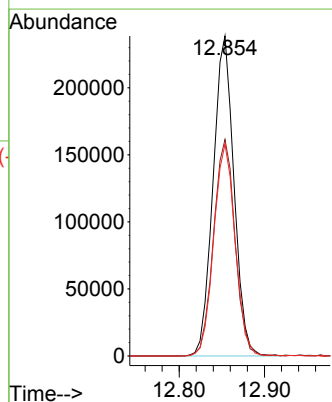
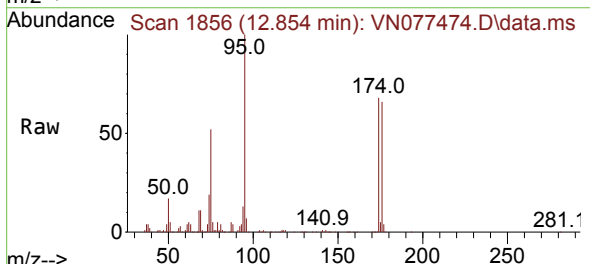
Instrument :
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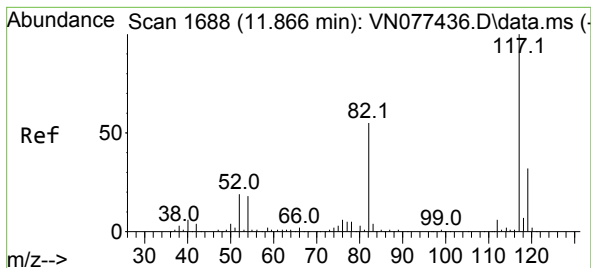
Tgt Ion: 43 Resp: 1256
Ion Ratio Lower Upper
43 100
58 54.6 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 48.924 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077474.D
Acq: 25 Apr 2023 17:08

Tgt Ion: 95 Resp: 405398
Ion Ratio Lower Upper
95 100
174 69.6 0.0 143.8
176 67.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077474.D

Acq: 25 Apr 2023 17:08

Instrument :

MSVOA_N

ClientSampleId :

TB-041923

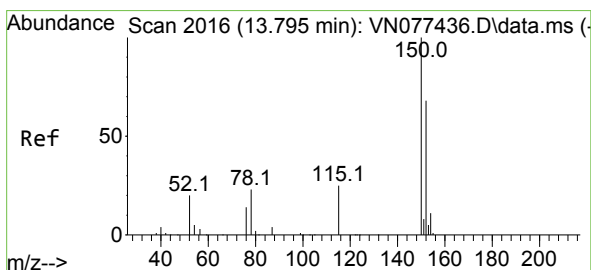
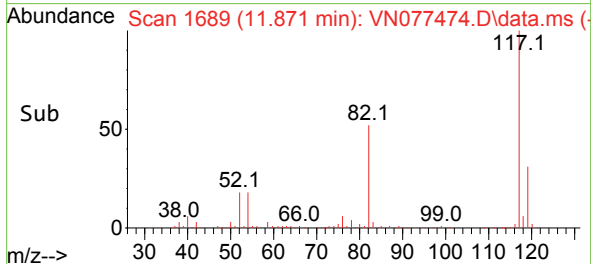
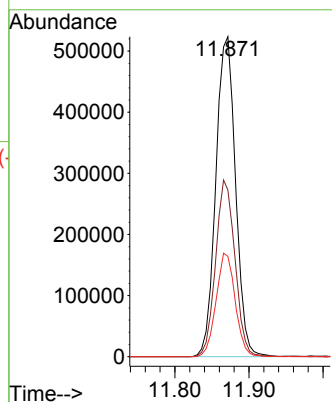
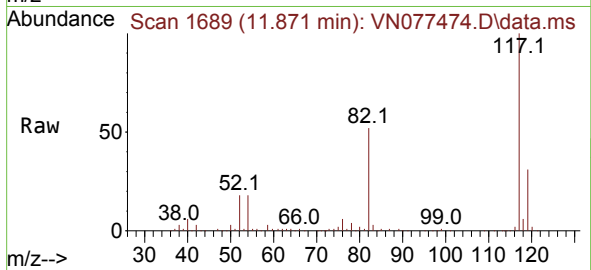
Tgt Ion:117 Resp: 967977

Ion Ratio Lower Upper

117 100

82 52.1 44.0 66.0

119 31.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077474.D

Acq: 25 Apr 2023 17:08

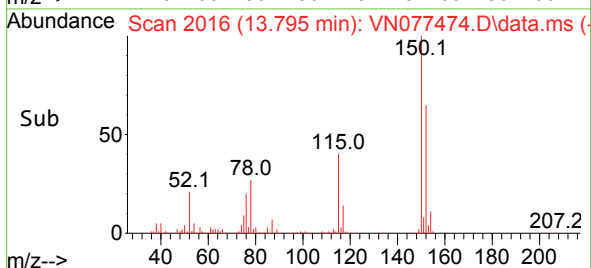
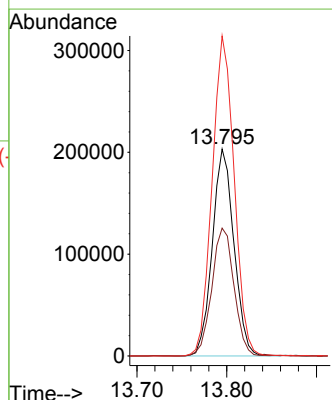
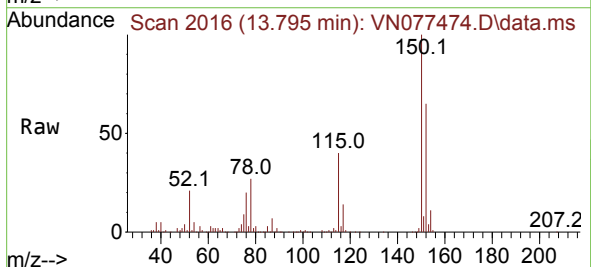
Tgt Ion:152 Resp: 340297

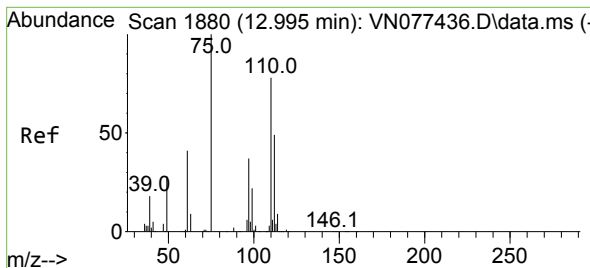
Ion Ratio Lower Upper

152 100

115 63.3 32.3 96.8

150 157.5 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 27.305 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077474.D

Acq: 25 Apr 2023 17:08

Instrument :

MSVOA_N

ClientSampleId :

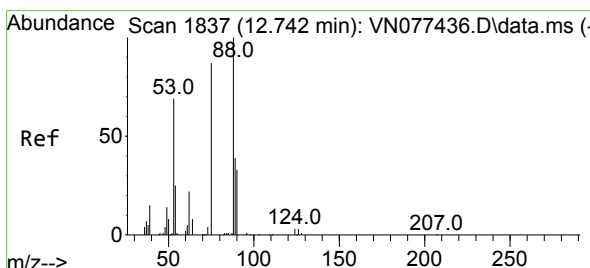
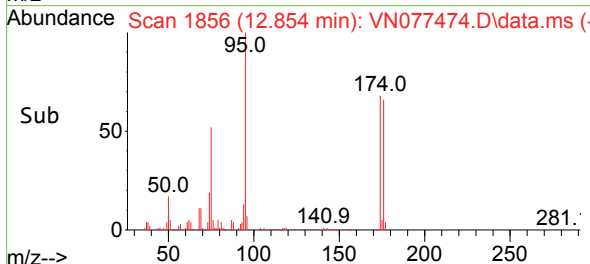
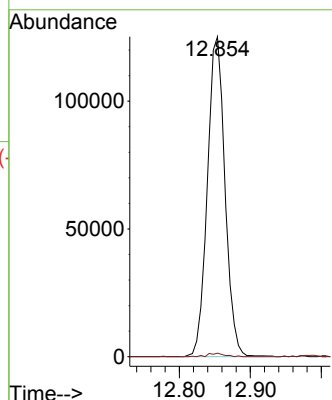
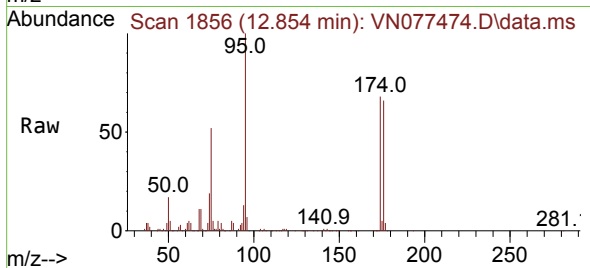
TB-041923

Tgt Ion: 75 Resp: 216074

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.142 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077474.D

Acq: 25 Apr 2023 17:08

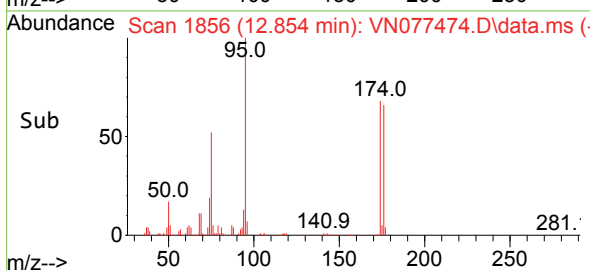
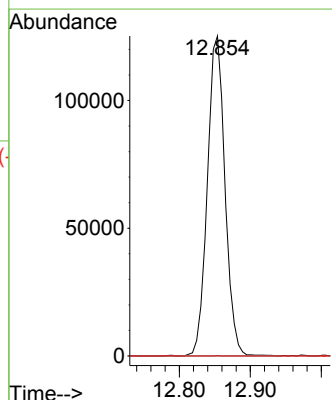
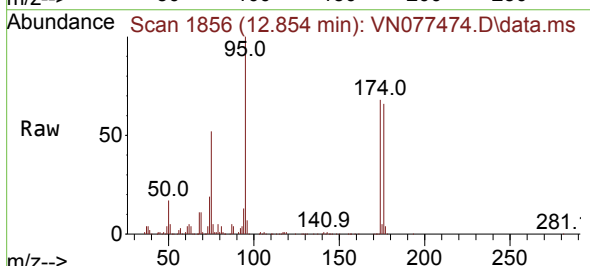
Tgt Ion: 75 Resp: 216074

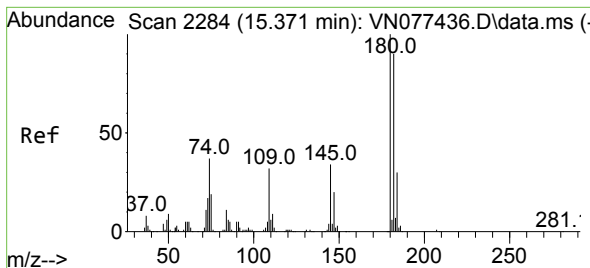
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.957 ug/l

RT: 15.365 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077474.D

Acq: 25 Apr 2023 17:08

Instrument :

MSVOA_N

ClientSampleId :

TB-041923

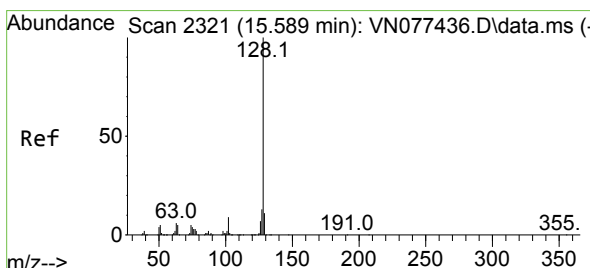
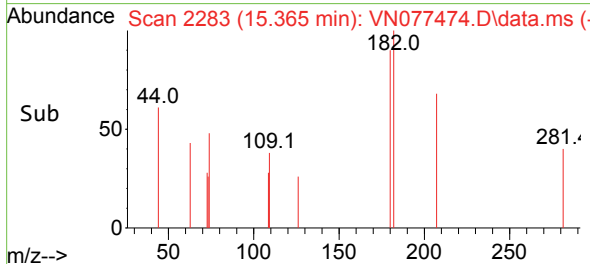
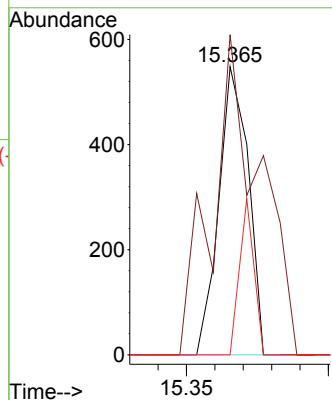
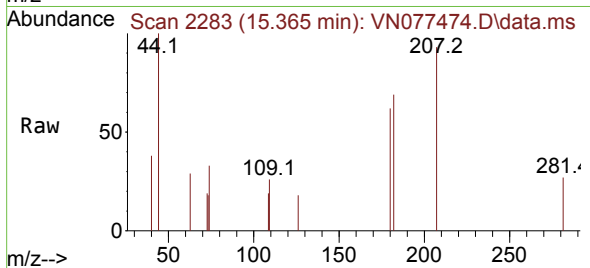
Tgt Ion:180 Resp: 394

Ion Ratio Lower Upper

180 100

182 179.7 46.1 138.2#

145 26.6 16.6 49.8



#95

Naphthalene

Concen: 1.513 ug/l

RT: 15.583 min Scan# 2320

Delta R.T. -0.006 min

Lab File: VN077474.D

Acq: 25 Apr 2023 17:08

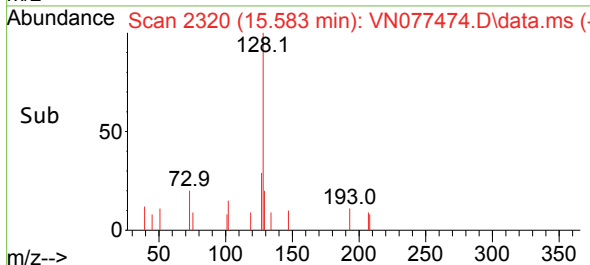
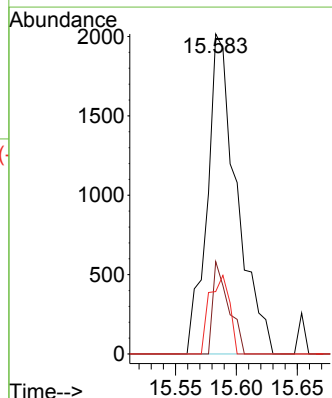
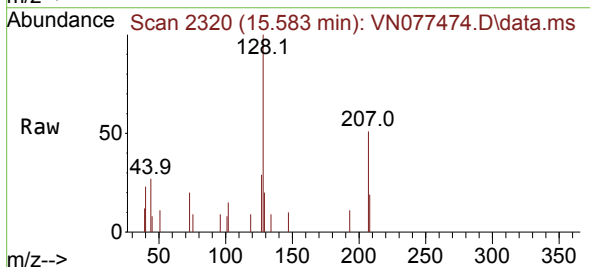
Tgt Ion:128 Resp: 3399

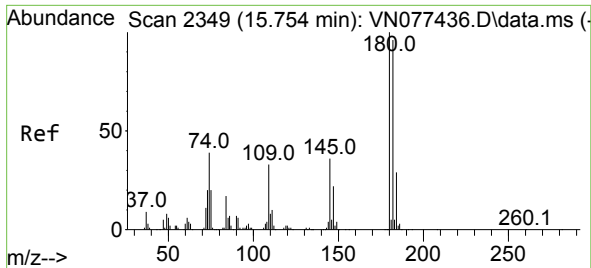
Ion Ratio Lower Upper

128 100

127 15.4 10.0 15.0#

129 16.6 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.774 ug/l

RT: 15.759 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN077474.D

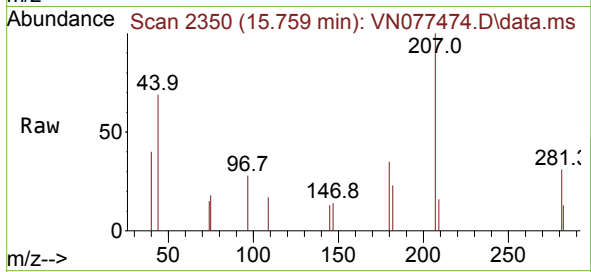
Acq: 25 Apr 2023 17:08

Instrument :

MSVOA_N

ClientSampleId :

TB-041923



Tgt Ion:180 Resp: 678

Ion Ratio Lower Upper

180 100

182 102.4 46.2 138.6

145 27.7 17.5 52.6

