

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042523\
 Data File : VN077475.D
 Acq On : 25 Apr 2023 17:32
 Operator : JC\MD
 Sample : 02460-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-042023

Quant Time: Apr 26 04:21:56 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)

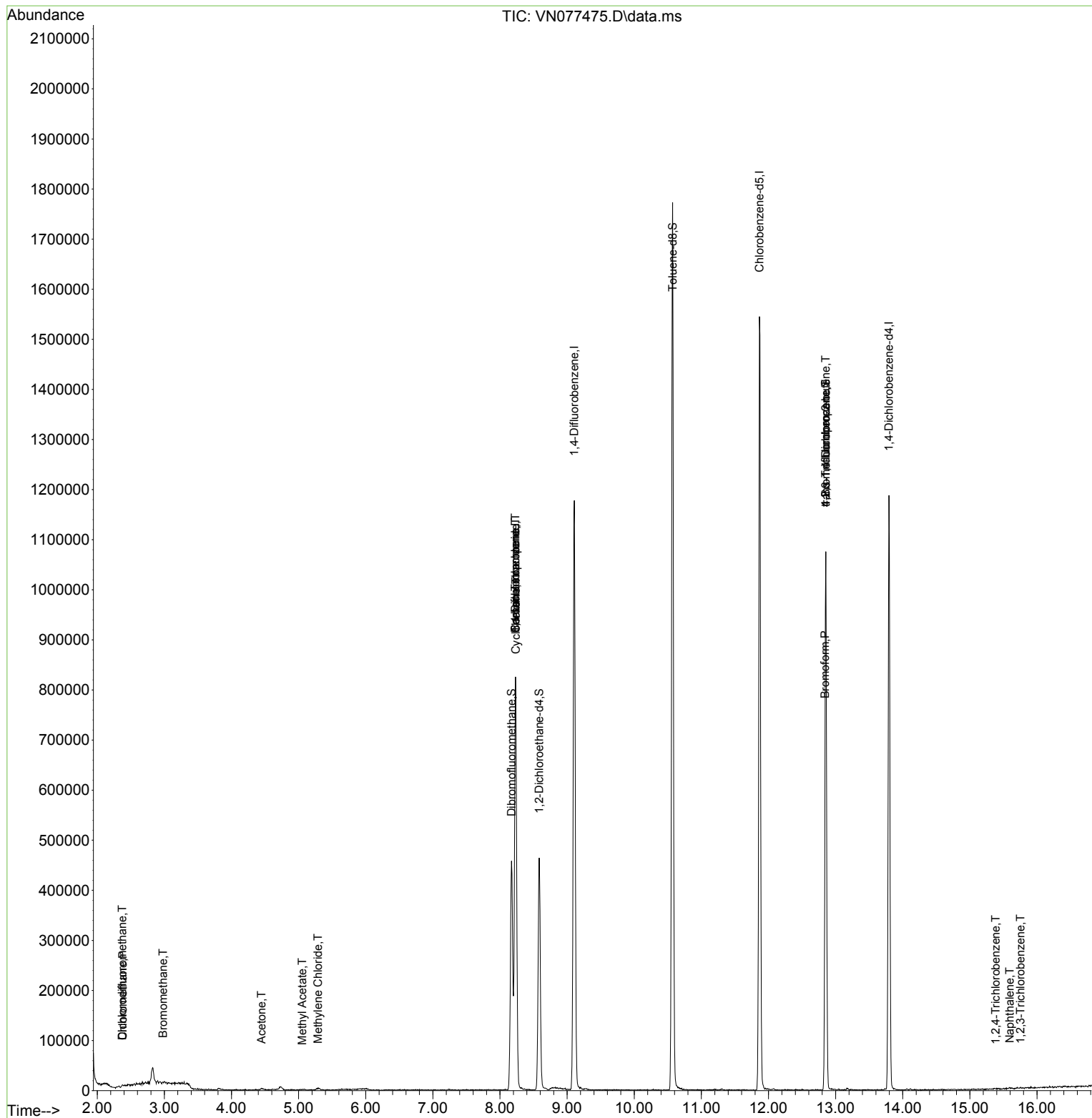
Internal Standards						
1) Pentafluorobenzene	8.230	168	588034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1091429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	943390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	320369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	380397	49.575	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.160%
35) Dibromofluoromethane	8.172	113	334597	51.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.020%
50) Toluene-d8	10.572	98	1305094	51.910	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.854	95	389926	47.403	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.372	85	61	0.317	ug/l #	43
3) Chloromethane	2.378	50	1439	0.244	ug/l	97
5) Bromomethane	2.978	94	2657	0.391	ug/l #	63
16) Acetone	4.448	43	1434	0.587	ug/l #	81
18) Methyl Acetate	5.054	43	2838	0.301	ug/l #	55
20) Methylene Chloride	5.290	84	2943	0.380	ug/l #	84
31) Cyclohexane	8.236	56	14162	1.303	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	51806	5.466	ug/l #	49
38) Carbon Tetrachloride	8.230	117	65869	6.299	ug/l #	15
71) Bromoform	12.842	173	1436	0.302	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	206255	27.686	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	206255	78.217	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.383	180	55	0.821	ug/l #	1
95) Naphthalene	15.595	128	2082	1.383	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.754	180	479	0.699	ug/l #	75

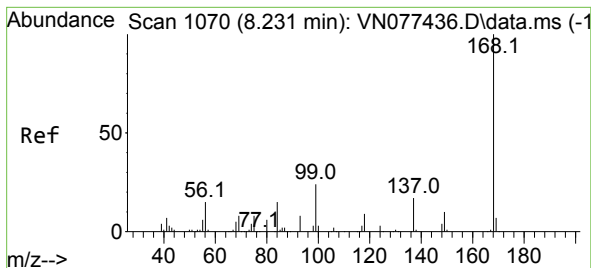
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN077475.D

Acq: 25 Apr 2023 17:32

Instrument :

MSVOA_N

ClientSampleId :

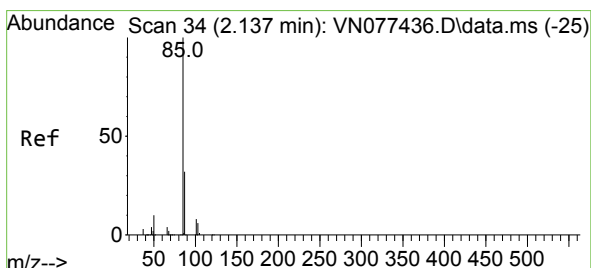
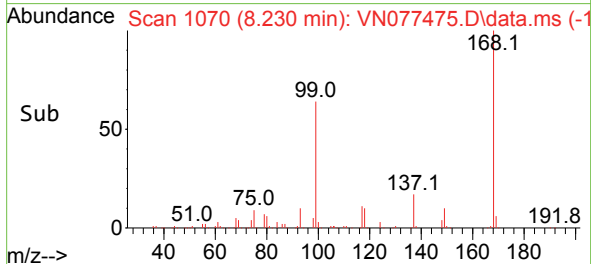
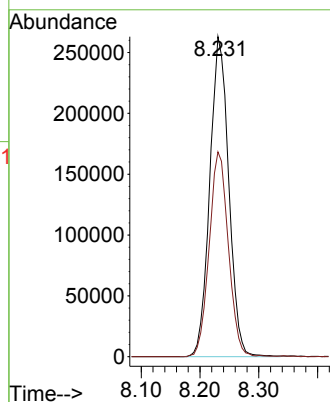
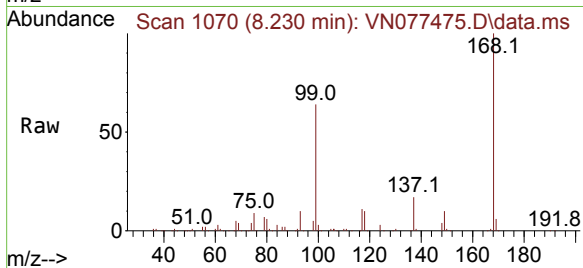
FB-042023

Tgt Ion:168 Resp: 588034

Ion Ratio Lower Upper

168 100

99 64.0 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 0.317 ug/l

RT: 2.372 min Scan# 74

Delta R.T. 0.235 min

Lab File: VN077475.D

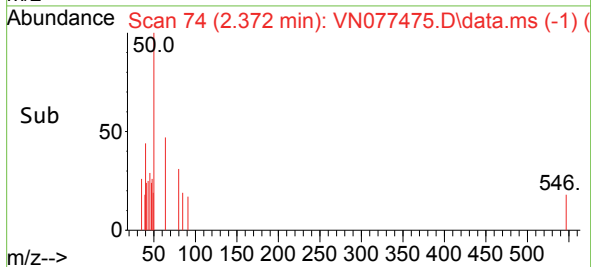
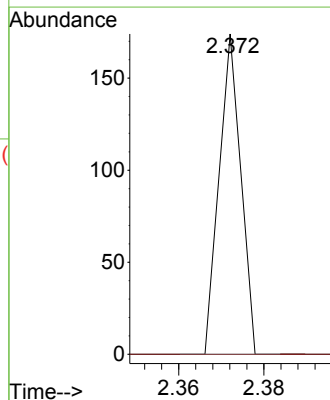
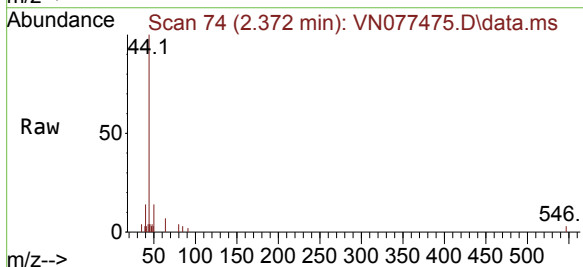
Acq: 25 Apr 2023 17:32

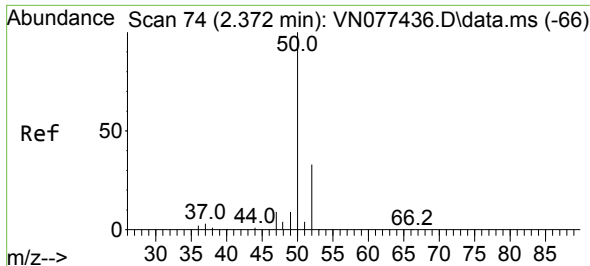
Tgt Ion: 85 Resp: 61

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#

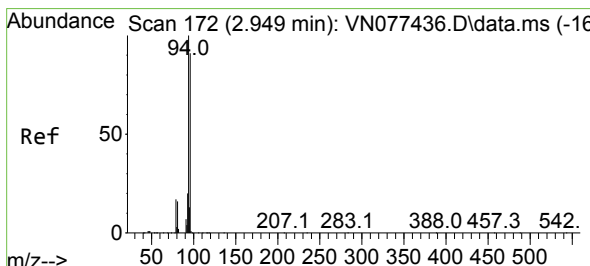
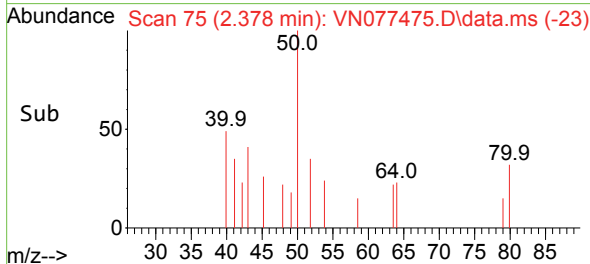
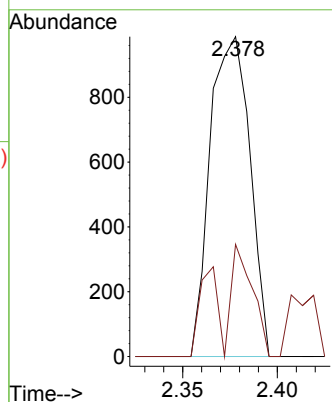
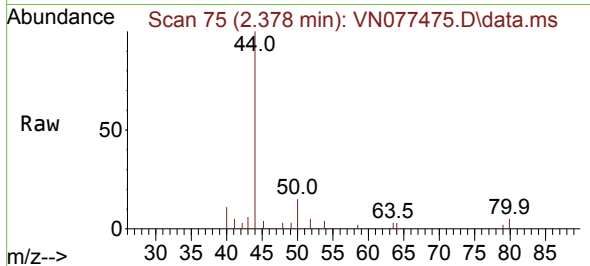




#3
Chloromethane
Concen: 0.244 ug/l
RT: 2.378 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

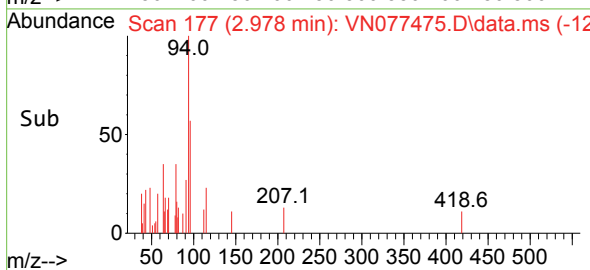
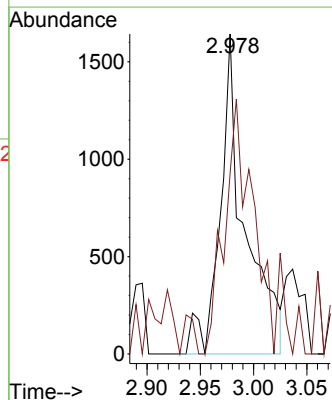
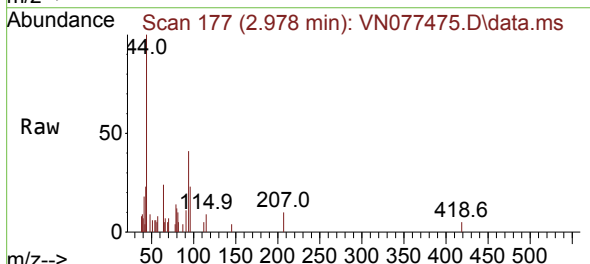
Instrument :
MSVOA_N
ClientSampleId :
FB-042023

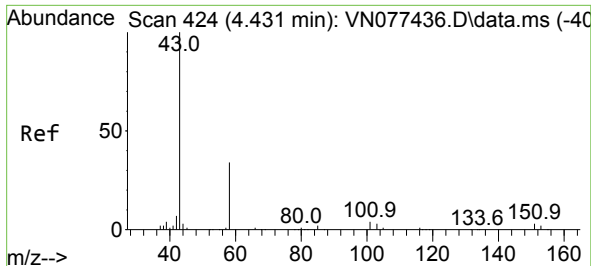
Tgt Ion: 50 Resp: 1439
Ion Ratio Lower Upper
50 100
52 35.1 26.5 39.7



#5
Bromomethane
Concen: 0.391 ug/l
RT: 2.978 min Scan# 177
Delta R.T. 0.029 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

Tgt Ion: 94 Resp: 2657
Ion Ratio Lower Upper
94 100
96 56.5 73.1 109.7#





#16

Acetone

Concen: 0.587 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN077475.D

Acq: 25 Apr 2023 17:32

Instrument :

MSVOA_N

ClientSampleId :

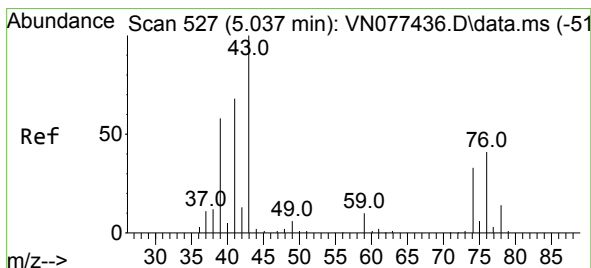
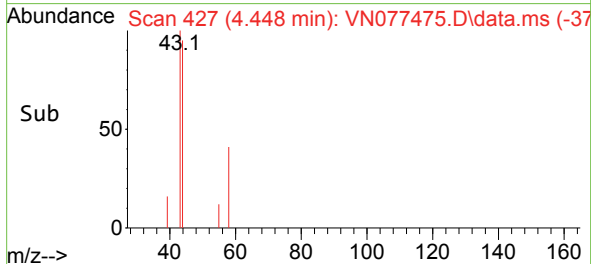
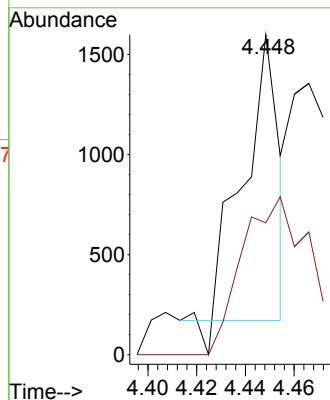
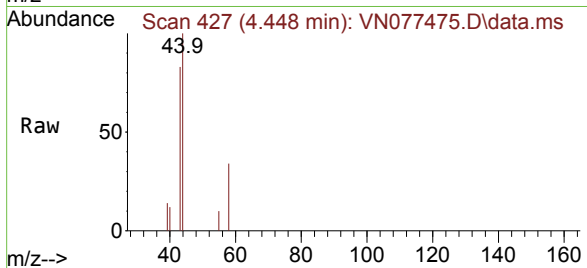
FB-042023

Tgt Ion: 43 Resp: 1434

Ion Ratio Lower Upper

43 100

58 46.1 28.0 42.0#



#18

Methyl Acetate

Concen: 0.301 ug/l

RT: 5.054 min Scan# 530

Delta R.T. 0.017 min

Lab File: VN077475.D

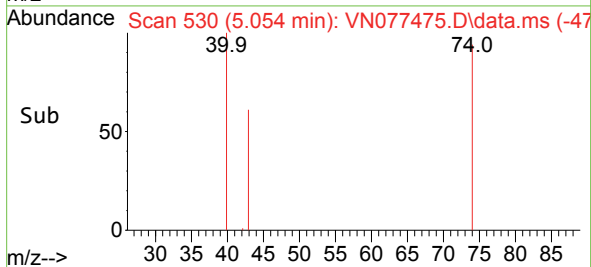
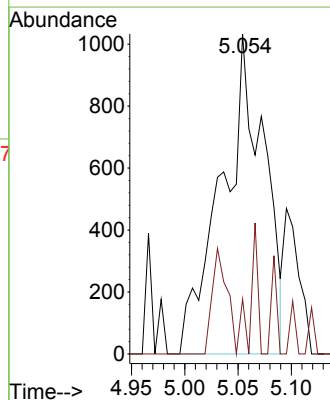
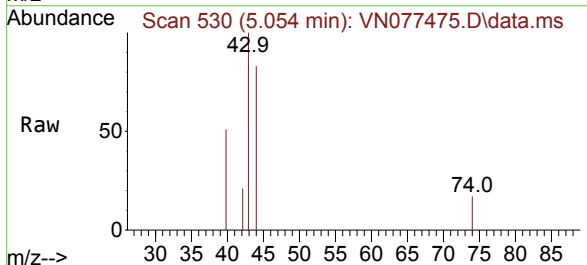
Acq: 25 Apr 2023 17:32

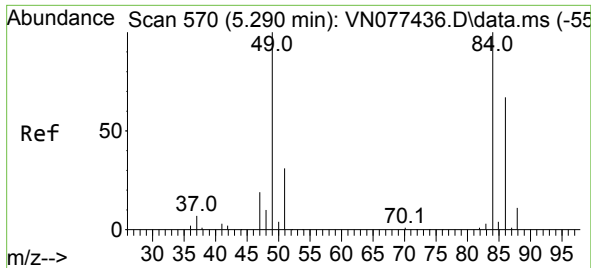
Tgt Ion: 43 Resp: 2838

Ion Ratio Lower Upper

43 100

74 7.5 26.2 39.4#

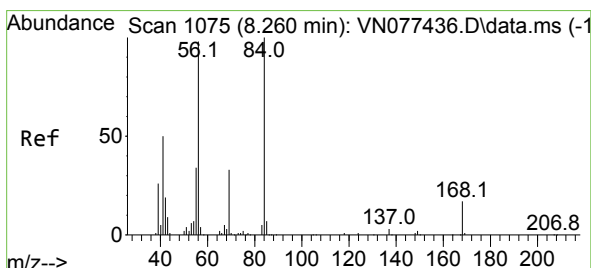
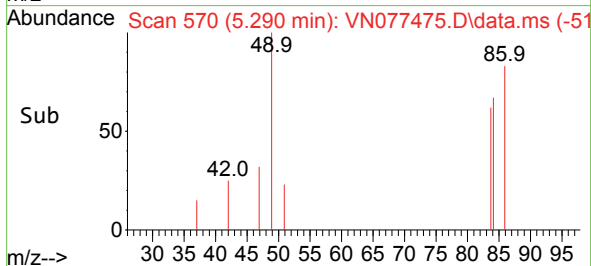
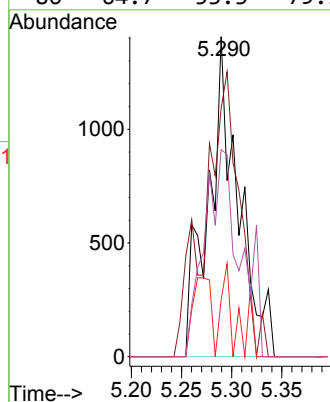
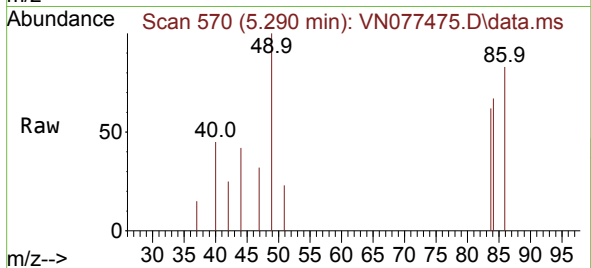




#20
Methylene Chloride
Concen: 0.380 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

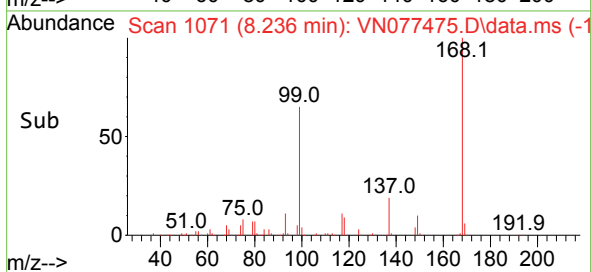
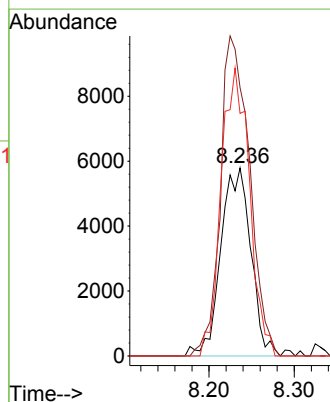
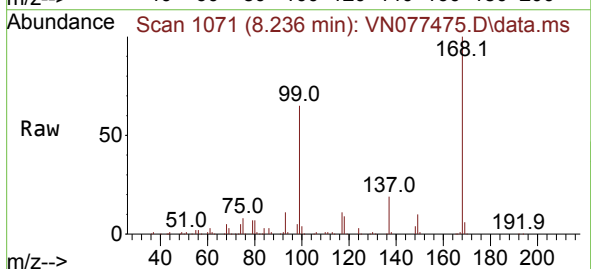
Instrument :
MSVOA_N
ClientSampleId :
FB-042023

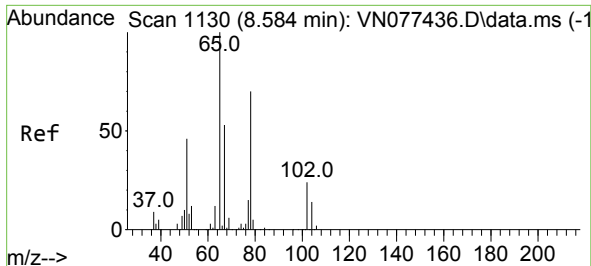
Tgt Ion: 84	Resp: 2943
Ion Ratio	Lower Upper
84 100	
49 77.6	79.7 119.5#
51 17.8	25.2 37.8#
86 64.7	53.3 79.9



#31
Cyclohexane
Concen: 1.303 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

Tgt Ion: 56	Resp: 14162		
Ion Ratio	Lower	Upper	
56	100		
69	142.8	26.8	40.2#
84	129.0	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 49.575 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077475.D

Acq: 25 Apr 2023 17:32

Instrument :

MSVOA_N

ClientSampleId :

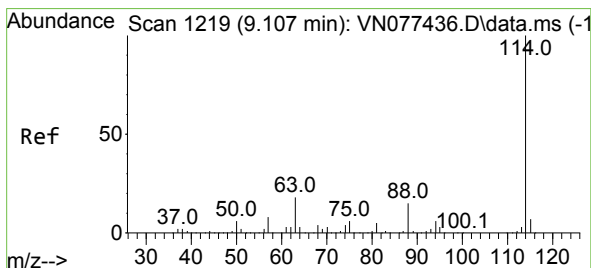
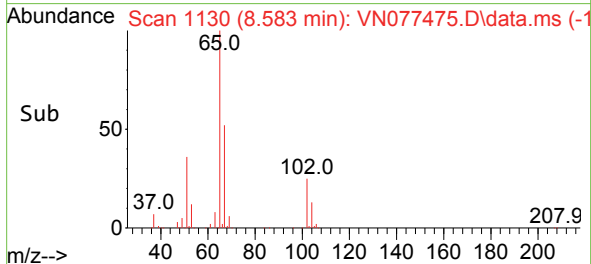
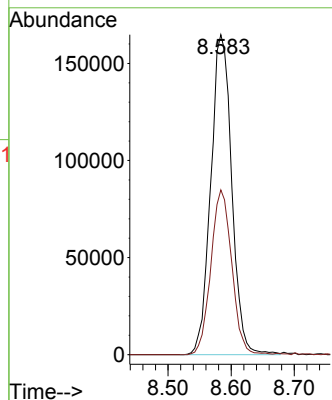
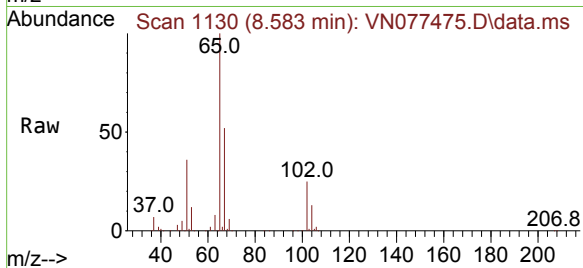
FB-042023

Tgt Ion: 65 Resp: 380397

Ion Ratio Lower Upper

65 100

67 51.2 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: VN077475.D

Acq: 25 Apr 2023 17:32

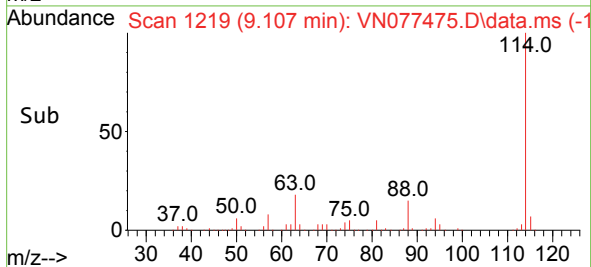
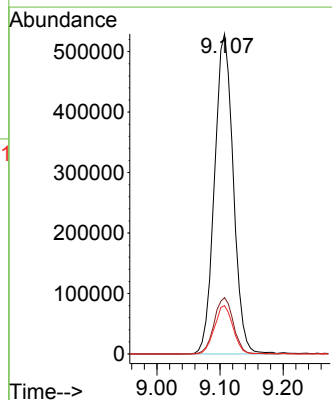
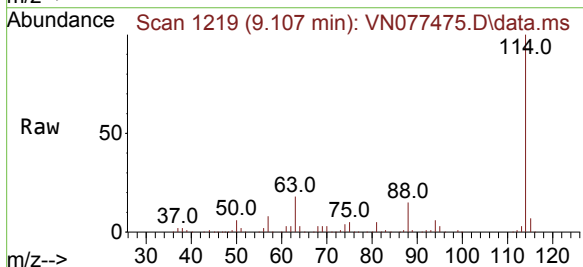
Tgt Ion: 114 Resp: 1091429

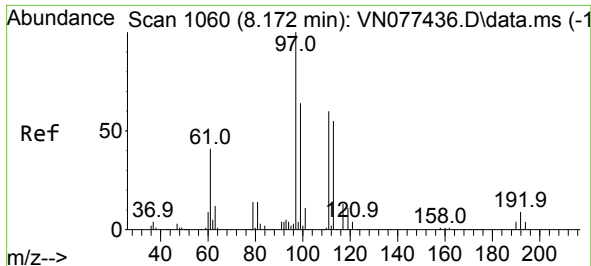
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.4

88 15.1 0.0 30.6

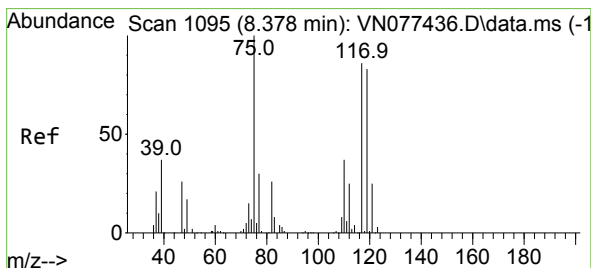
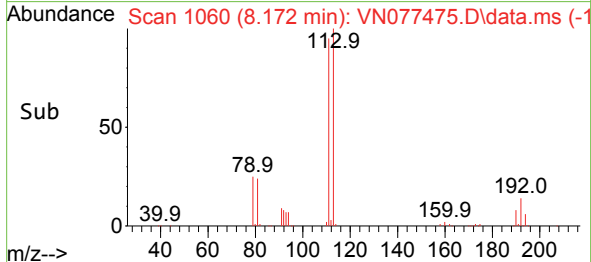
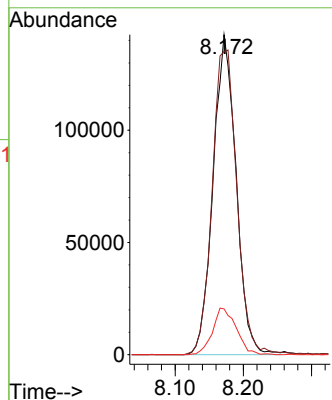
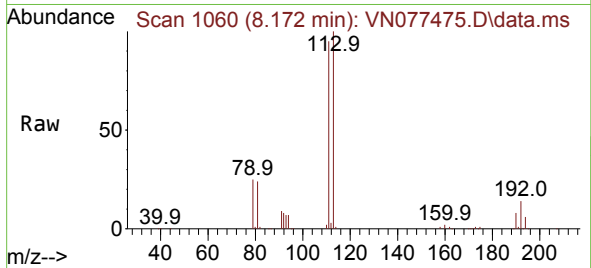




#35
Dibromofluoromethane
Concen: 51.006 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

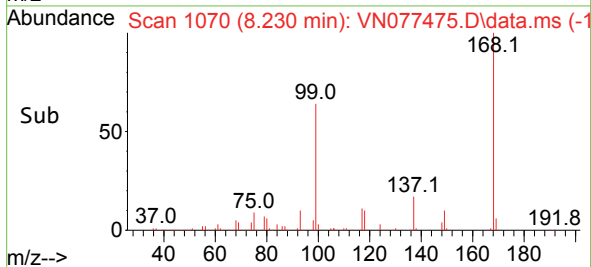
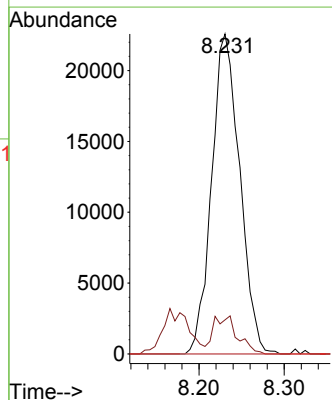
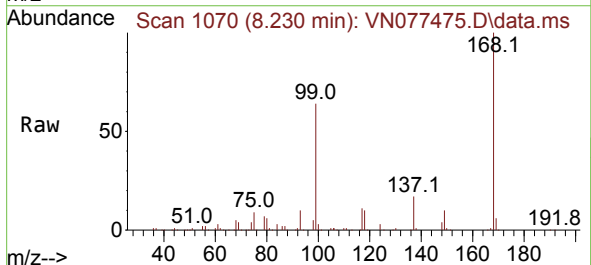
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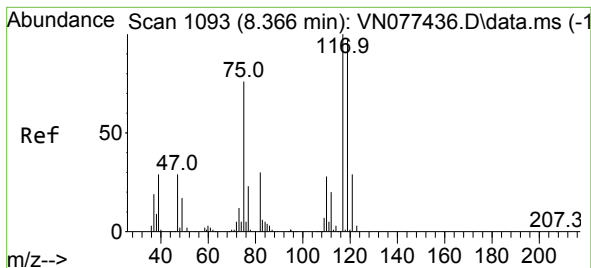
Tgt Ion:113 Resp: 334597
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 15.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.466 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

Tgt Ion: 75 Resp: 51806
Ion Ratio Lower Upper
75 100
110 10.1 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.299 ug/l

RT: 8.230 min Scan# 1093

Delta R.T. -0.135 min

Lab File: VN077475.D

Acq: 25 Apr 2023 17:32

Instrument :

MSVOA_N

ClientSampleId :

FB-042023

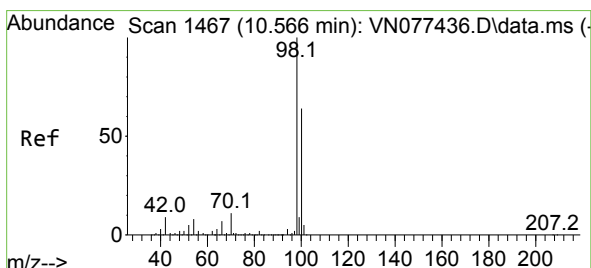
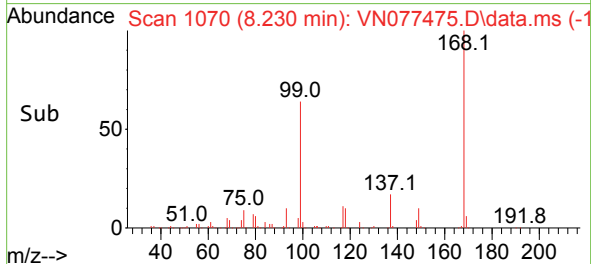
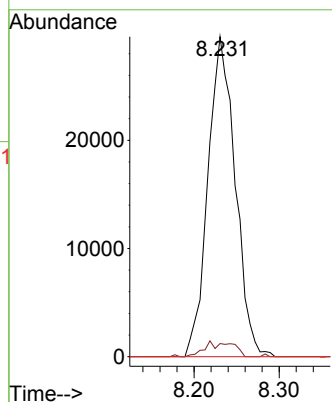
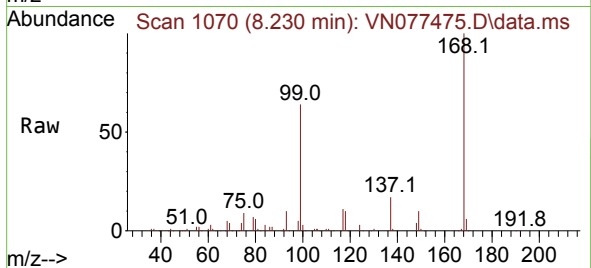
Tgt Ion:117 Resp: 65869

Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 51.910 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077475.D

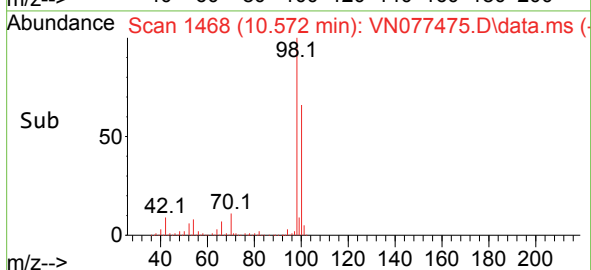
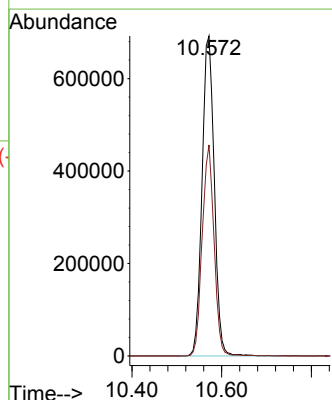
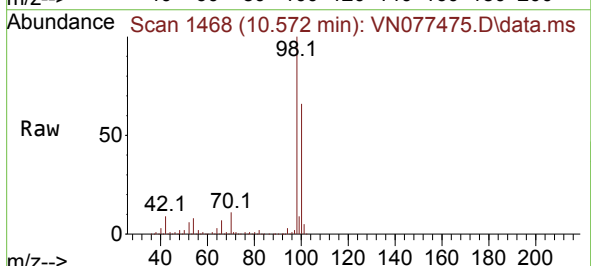
Acq: 25 Apr 2023 17:32

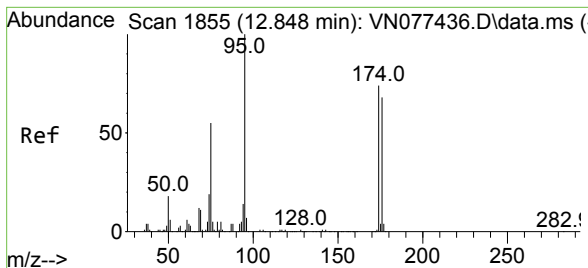
Tgt Ion: 98 Resp: 1305094

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

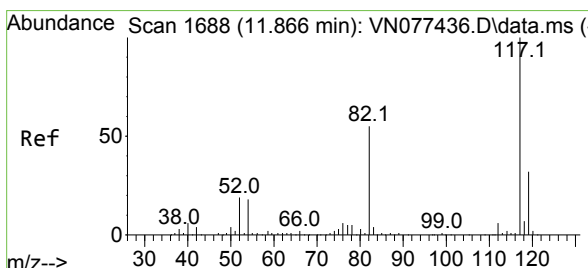
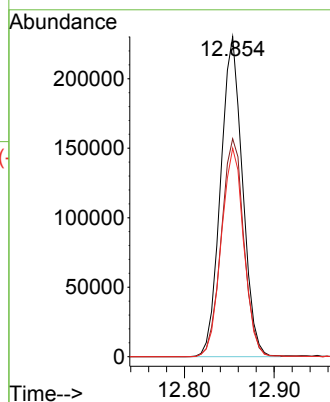
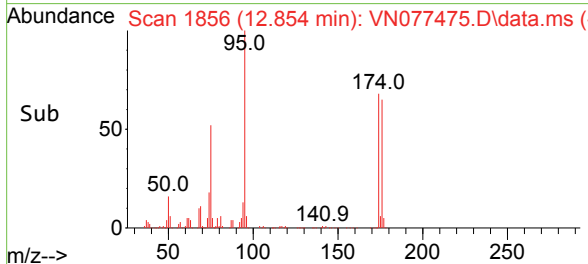
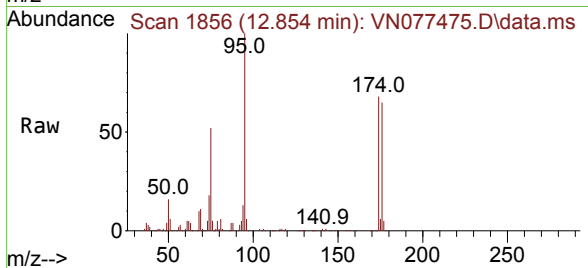




#62
4-Bromofluorobenzene
Concen: 47.403 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

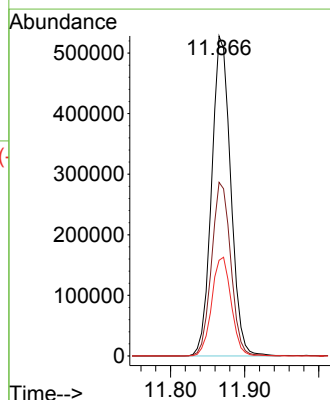
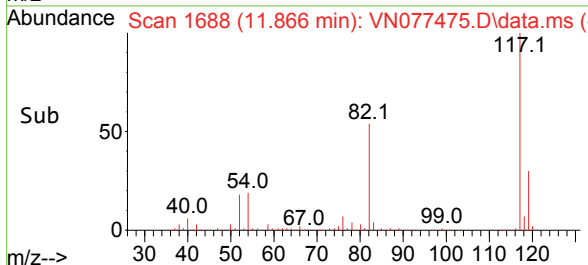
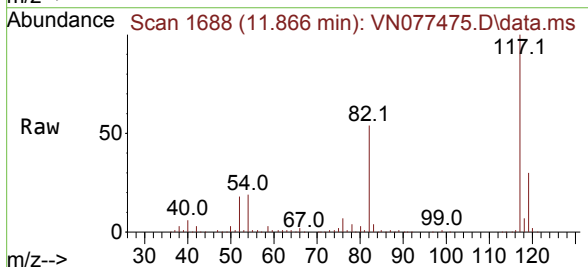
Instrument :
MSVOA_N
ClientSampleId :
FB-042023

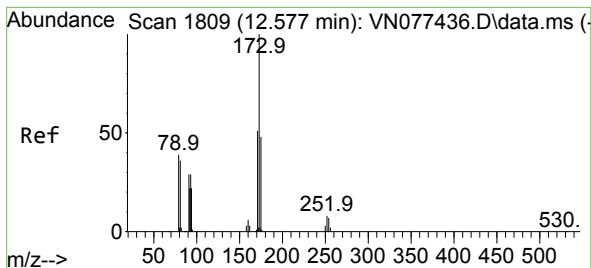
Tgt Ion: 95 Resp: 389926
Ion Ratio Lower Upper
95 100
174 70.6 0.0 143.8
176 67.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

Tgt Ion: 117 Resp: 943390
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 29.9 25.6 38.4





#71

Bromoform

Concen: 0.302 ug/l

RT: 12.842 min Scan# 1809

Delta R.T. 0.265 min

Lab File: VN077475.D

Acq: 25 Apr 2023 17:32

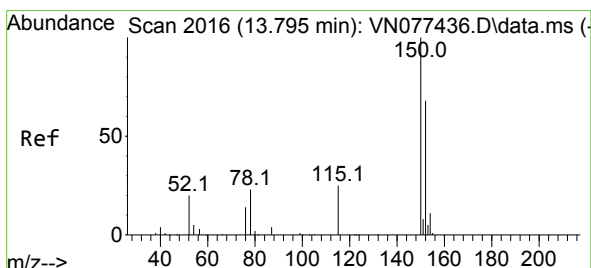
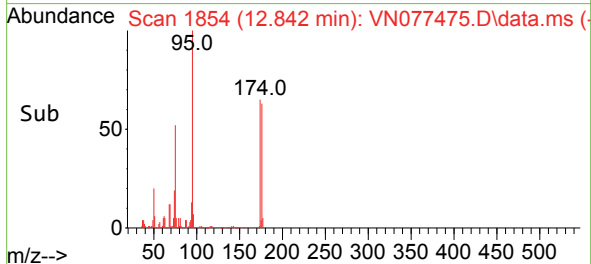
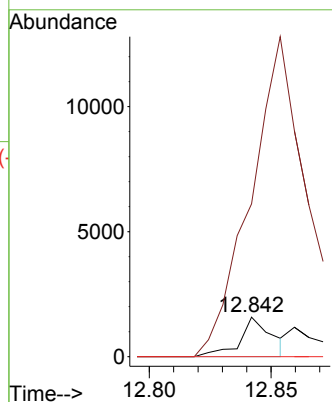
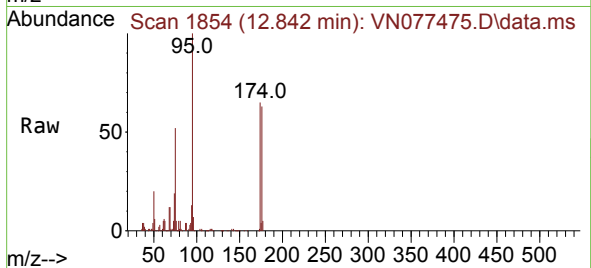
Instrument :

MSVOA_N

ClientSampleId :

FB-042023

Tgt Ion:173 Resp: 1436
 Ion Ratio Lower Upper
 173 100
 175 0.0 24.3 73.0#
 254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

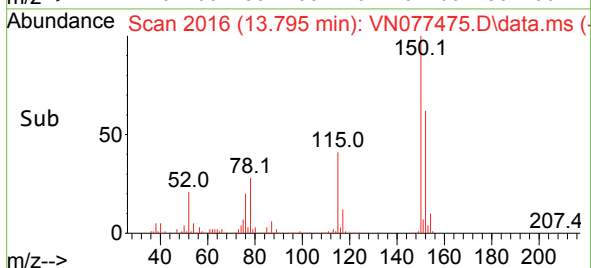
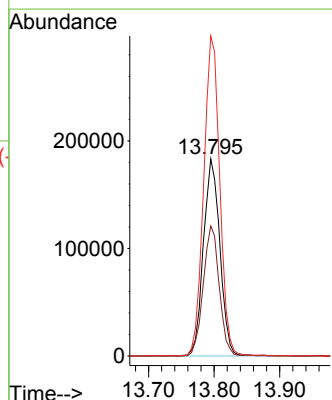
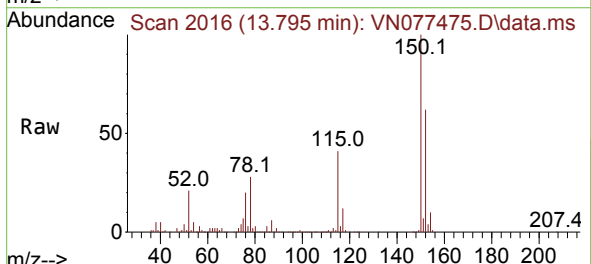
RT: 13.795 min Scan# 2016

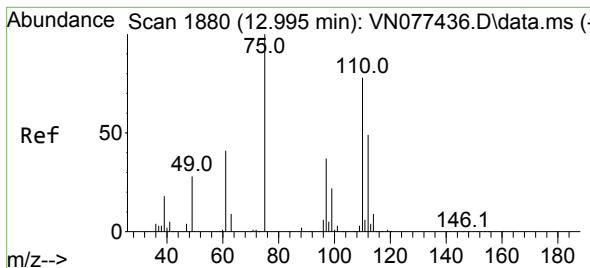
Delta R.T. -0.000 min

Lab File: VN077475.D

Acq: 25 Apr 2023 17:32

Tgt Ion:152 Resp: 320369
 Ion Ratio Lower Upper
 152 100
 115 64.2 32.3 96.8
 150 158.7 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 27.686 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077475.D

Acq: 25 Apr 2023 17:32

Instrument :

MSVOA_N

ClientSampleId :

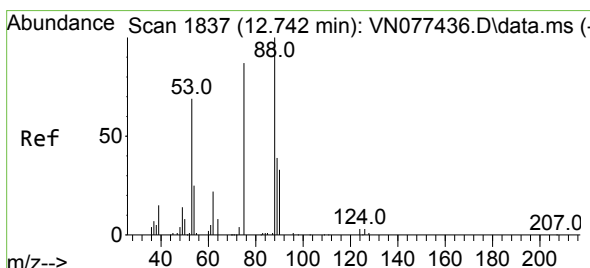
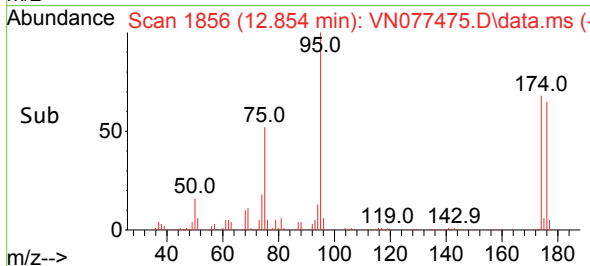
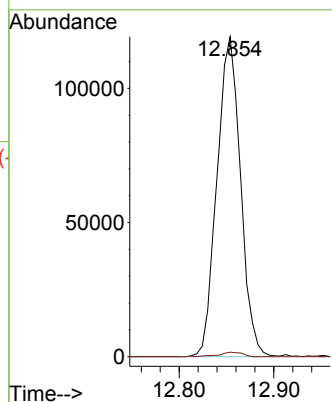
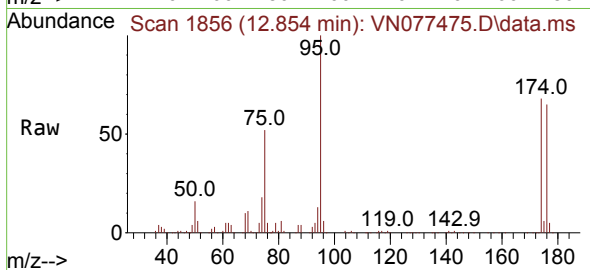
FB-042023

Tgt Ion: 75 Resp: 206255

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.217 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077475.D

Acq: 25 Apr 2023 17:32

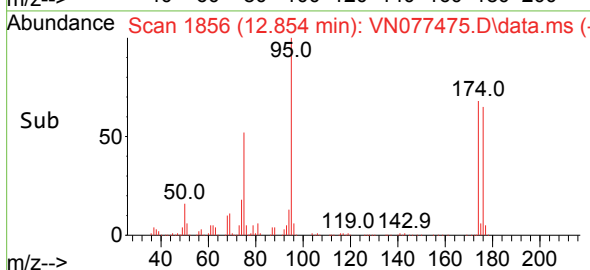
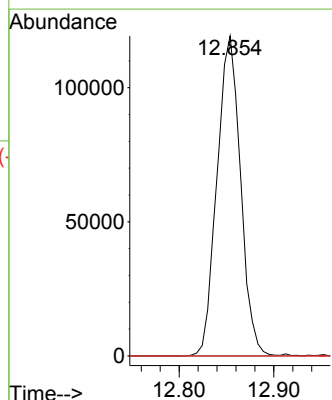
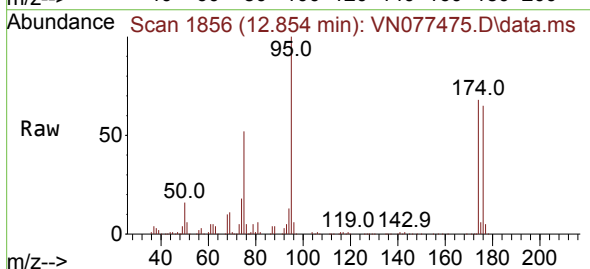
Tgt Ion: 75 Resp: 206255

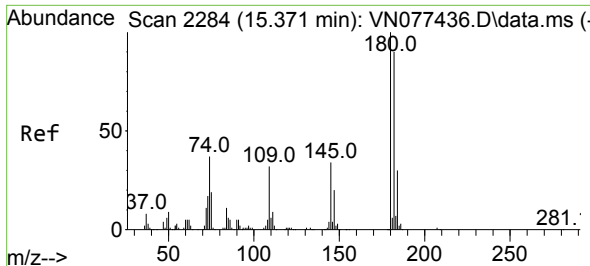
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

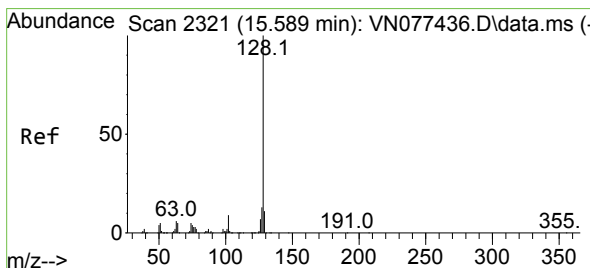
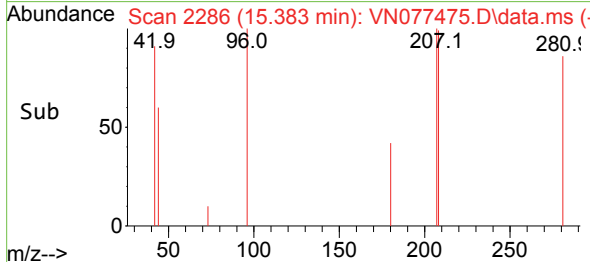
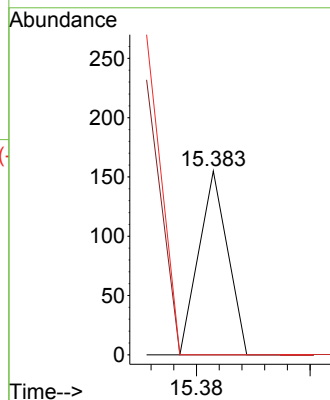
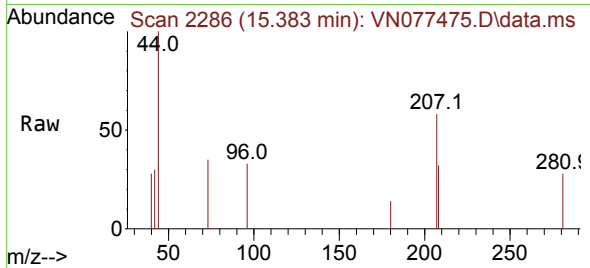




#93
1,2,4-Trichlorobenzene
Concen: 0.821 ug/l
RT: 15.383 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

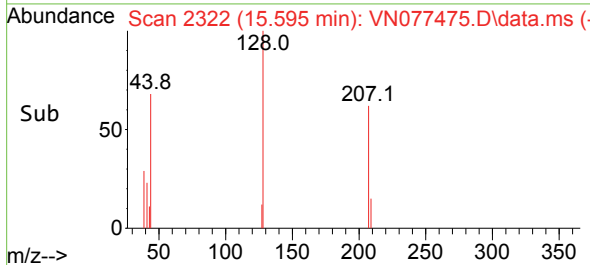
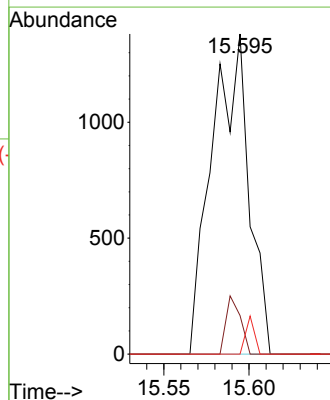
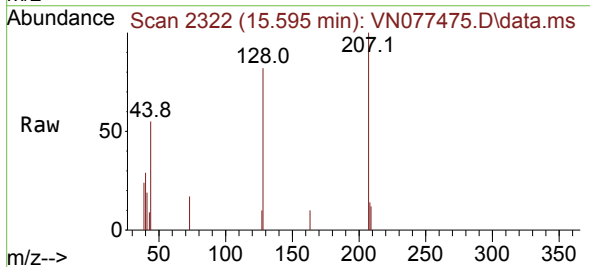
Instrument :
MSVOA_N
ClientSampleId :
FB-042023

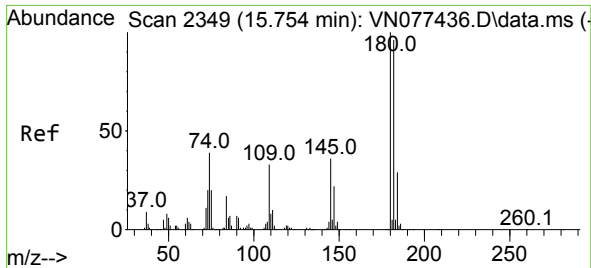
Tgt Ion:180 Resp: 55
Ion Ratio Lower Upper
180 100
182 149.1 46.1 138.2#
145 172.7 16.6 49.8#



#95
Naphthalene
Concen: 1.383 ug/l
RT: 15.595 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN077475.D
Acq: 25 Apr 2023 17:32

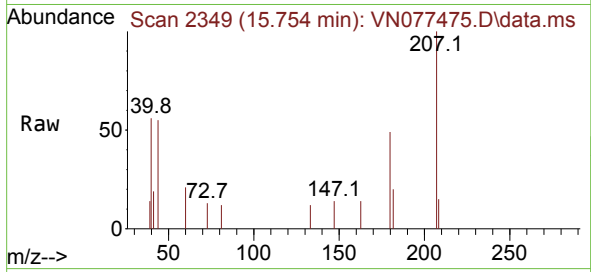
Tgt Ion:128 Resp: 2082
Ion Ratio Lower Upper
128 100
127 7.1 10.0 15.0#
129 2.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.699 ug/l
 RT: 15.754 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077475.D
 Acq: 25 Apr 2023 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-042023



Tgt Ion:	180	Resp:	479
Ion	Ratio	Lower	Upper
180	100		
182	73.3	46.2	138.6
145	12.7	17.5	52.6#

