

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077449.D
 Acq On : 25 Apr 2023 05:40
 Operator : JC\MD
 Sample : PB152304TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152304TB

Quant Time: Apr 25 08:41:11 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	555861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1033522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	947370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	327434	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	366775	50.566	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.140%	
35) Dibromofluoromethane	8.172	113	311974	50.222	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.440%	
50) Toluene-d8	10.572	98	1273011	53.471	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.940%	
62) 4-Bromofluorobenzene	12.854	95	407133	52.268	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.540%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.131	85	293	0.350	ug/l #	69
3) Chloromethane	2.372	50	1164	0.209	ug/l #	71
5) Bromomethane	2.978	94	4562	0.710	ug/l #	74
10) Methyl Iodide	4.631	142	4755	0.610	ug/l #	82
11) Tert butyl alcohol	5.519	59	642	0.551	ug/l #	72
13) Acrolein	4.184	56	482	0.416	ug/l #	76
16) Acetone	4.443	43	39271	17.018	ug/l	88
18) Methyl Acetate	5.043	43	4958	0.556	ug/l #	79
20) Methylene Chloride	5.290	84	45116	6.165	ug/l	94
25) 2-Butanone	7.501	43	4176	1.276	ug/l #	81
29) Tetrahydrofuran	7.860	42	1571	0.766	ug/l #	42
31) Cyclohexane	8.225	56	13985	1.361	ug/l #	41
36) 1,1-Dichloropropene	8.231	75	47206	5.260	ug/l #	49
37) Ethyl Acetate	7.566	43	102614	15.047	ug/l	100
38) Carbon Tetrachloride	8.231	117	59381	5.997	ug/l #	15
42) 1,2-Dichloroethane	8.678	62	4351	0.463	ug/l	79
43) Isopropyl Acetate	8.689	43	429818	36.432	ug/l #	90
48) Methyl methacrylate	9.742	41	343505	63.964	ug/l #	29
49) 1,4-Dioxane	9.678	88	477	3.541	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	20396	2.947	ug/l	87
54) cis-1,3-Dichloropropene	10.360	75	202486	18.277	ug/l #	62
57) 1,3-Dichloropropane	11.201	76	25745	2.244	ug/l #	43
59) 2-Hexanone	11.201	43	244474	48.603	ug/l #	51
74) N-amyl acetate	12.495	43	6896	0.767	ug/l #	58
76) 1,2,3-Trichloropropane	12.848	75	220662	28.981	ug/l #	1
77) Bromobenzene	12.977	156	1910	0.288	ug/l	63
81) trans-1,4-Dichloro-2-b...	12.848	75	220662	81.875	ug/l #	15
82) 4-Chlorotoluene	13.224	91	5643	0.292	ug/l	89
87) 1,3-Dichlorobenzene	13.742	146	3491	0.296	ug/l	91
88) 1,4-Dichlorobenzene	13.742	146	3491	0.300	ug/l	88
89) n-Butylbenzene	14.060	91	5606	0.313	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	4379	0.375	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.724	75	879	0.498	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.365	180	2758	1.946	ug/l	93
95) Naphthalene	15.589	128	11818	2.468	ug/l	98
96) 1,2,3-Trichlorobenzene	15.765	180	3491	2.058	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
Data File : VN077449.D
Acq On : 25 Apr 2023 05:40
Operator : JC\MD
Sample : PB152304TB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

Quant Time: Apr 25 08:41:11 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

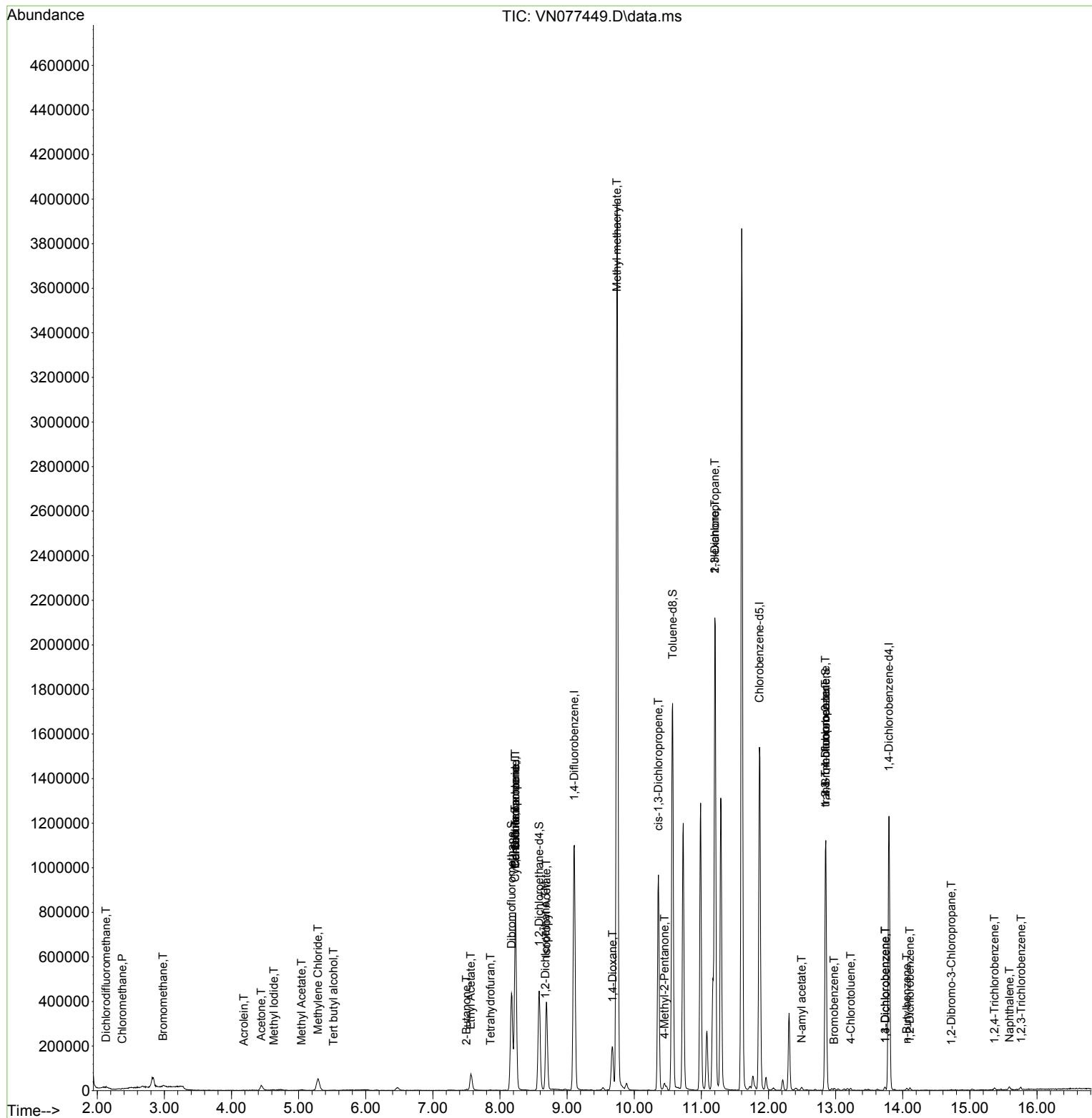
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

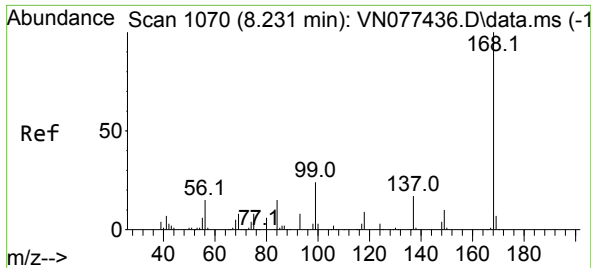
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
Data File : VN077449.D
Acq On : 25 Apr 2023 05:40
Operator : JC\MD
Sample : PB152304TB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

Quant Time: Apr 25 08:41:11 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

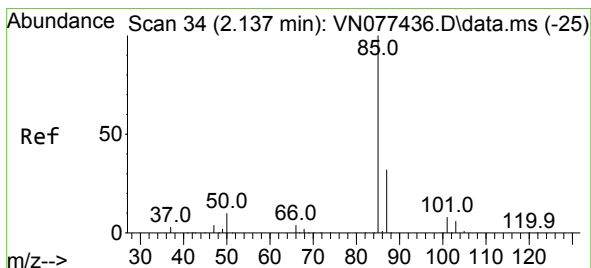
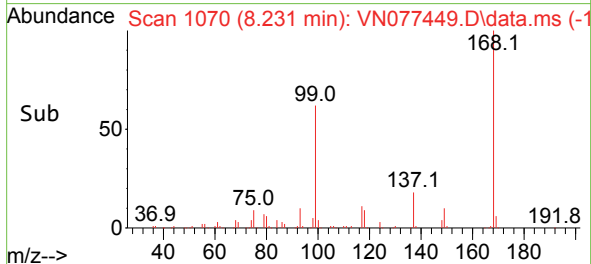
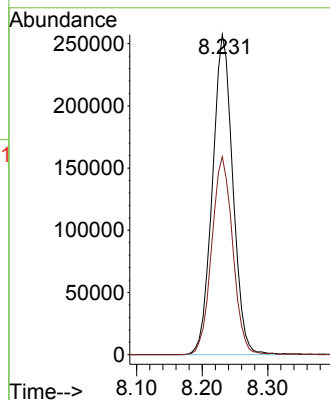
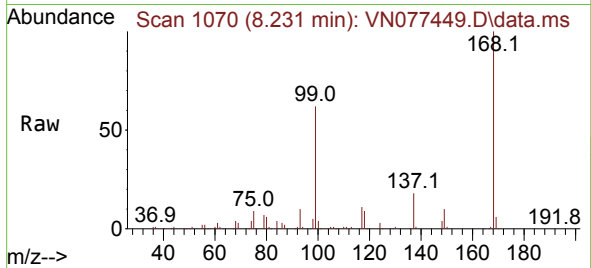




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

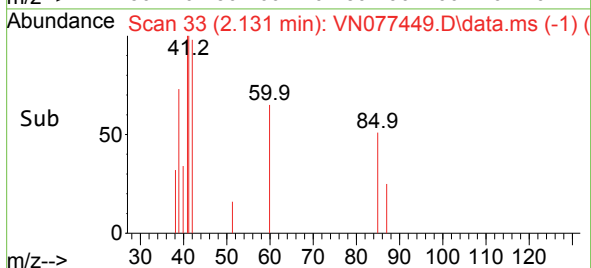
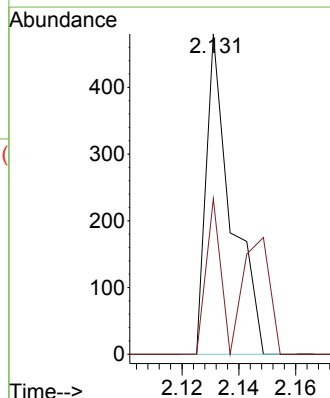
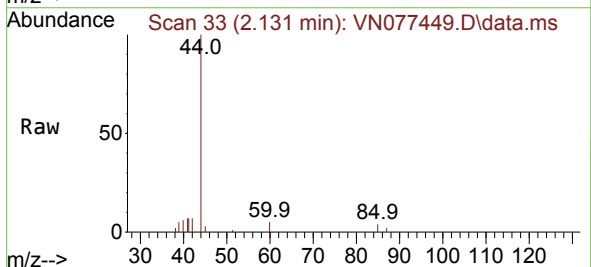
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

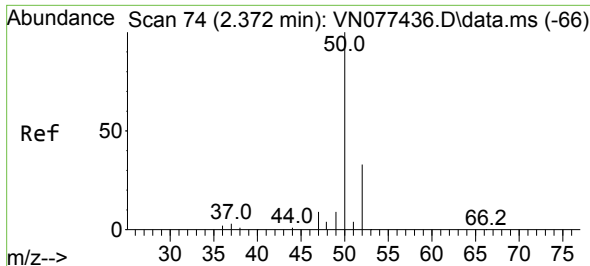
Tgt Ion:168 Resp: 555861
Ion Ratio Lower Upper
168 100
99 61.8 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.350 ug/l
RT: 2.131 min Scan# 33
Delta R.T. -0.006 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 85 Resp: 293
Ion Ratio Lower Upper
85 100
87 48.5 15.8 47.4#

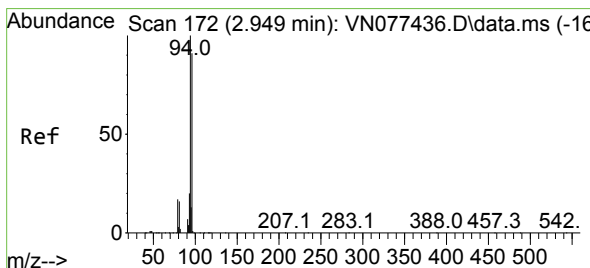
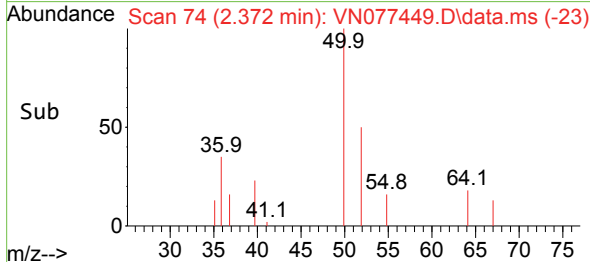
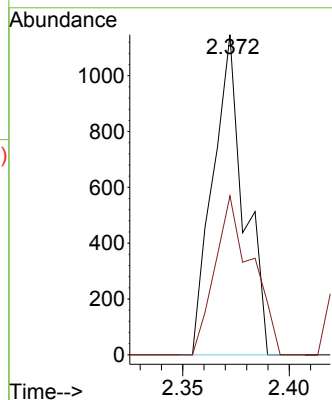
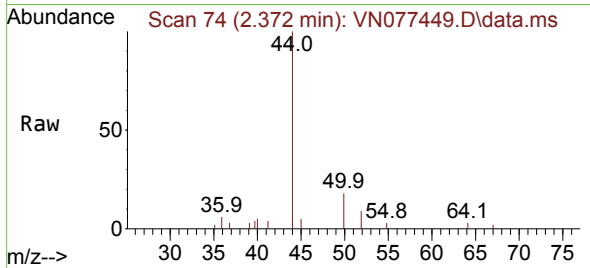




#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

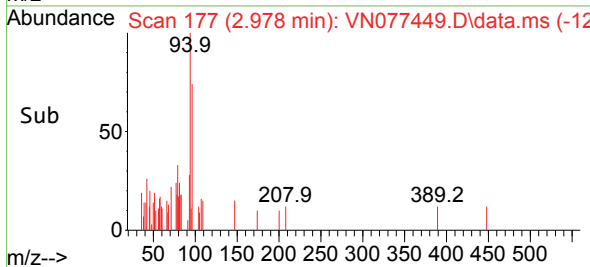
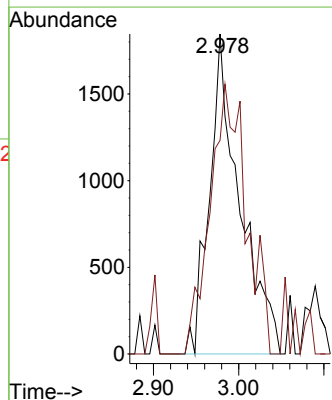
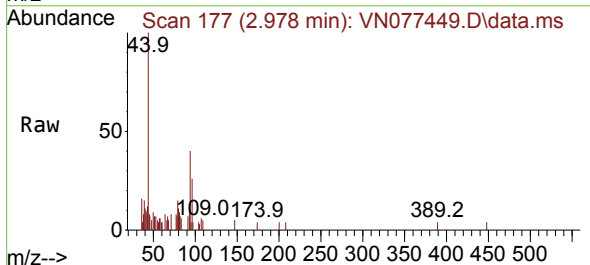
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

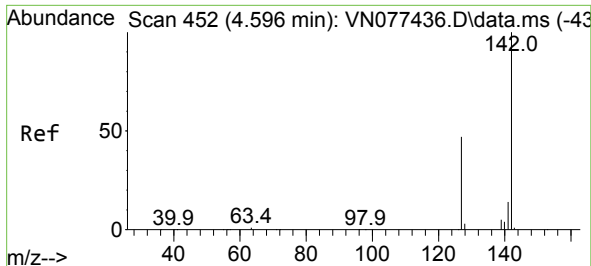
Tgt Ion: 50 Resp: 1164
Ion Ratio Lower Upper
50 100
52 49.6 26.5 39.7#



#5
Bromomethane
Concen: 0.710 ug/l
RT: 2.978 min Scan# 177
Delta R.T. 0.029 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 94 Resp: 4562
Ion Ratio Lower Upper
94 100
96 66.7 73.1 109.7#





#10

Methyl Iodide

Concen: 0.610 ug/l

RT: 4.631 min Scan# 41

Delta R.T. 0.035 min

Lab File: VN077449.D

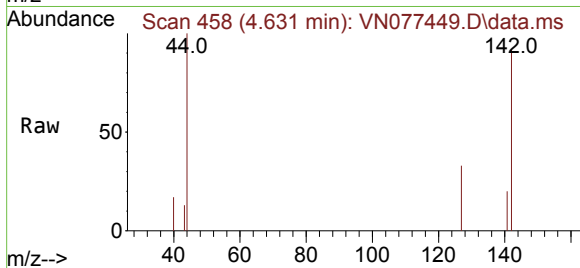
Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

PB152304TB



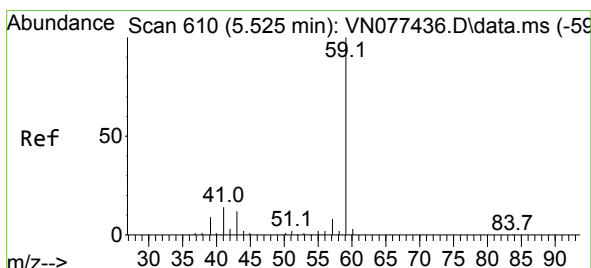
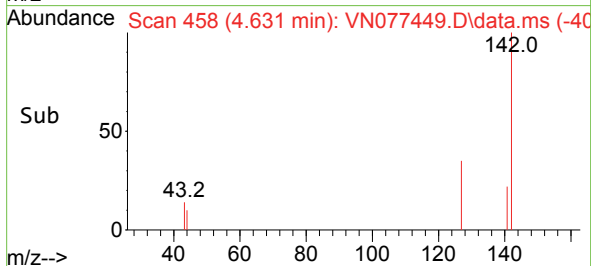
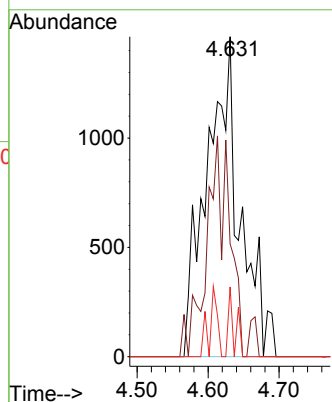
Tgt Ion:142 Resp: 4755

Ion Ratio Lower Upper

142 100

127 35.2 37.6 56.4#

141 21.8 11.4 17.0#



#11

Tert butyl alcohol

Concen: 0.551 ug/l

RT: 5.519 min Scan# 609

Delta R.T. -0.006 min

Lab File: VN077449.D

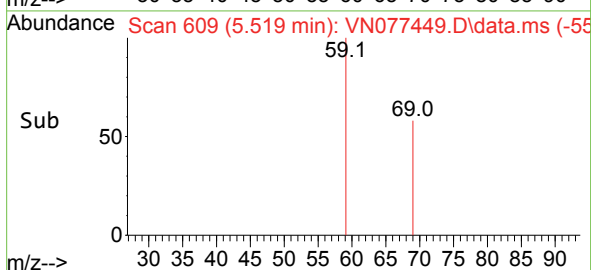
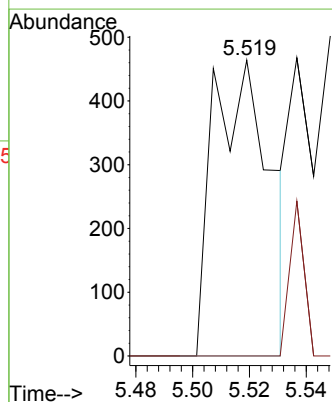
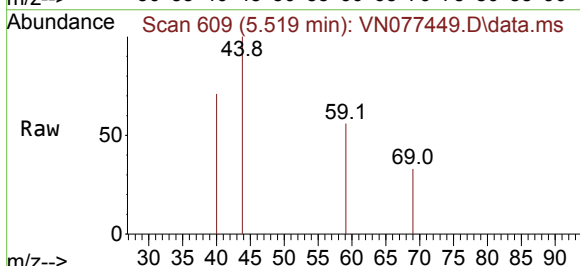
Acq: 25 Apr 2023 05:40

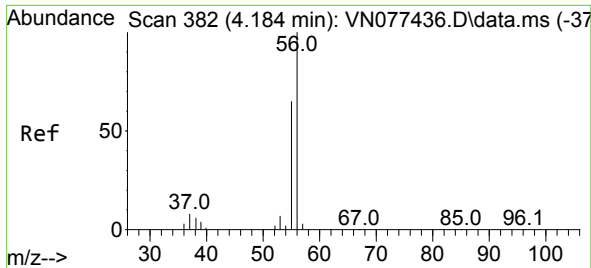
Tgt Ion: 59 Resp: 642

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

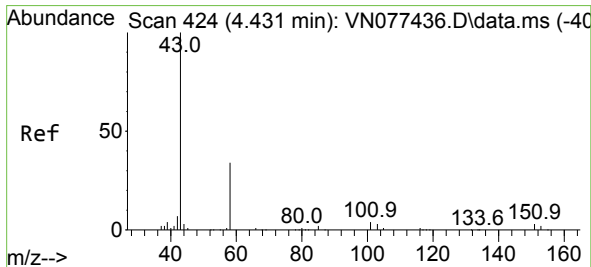
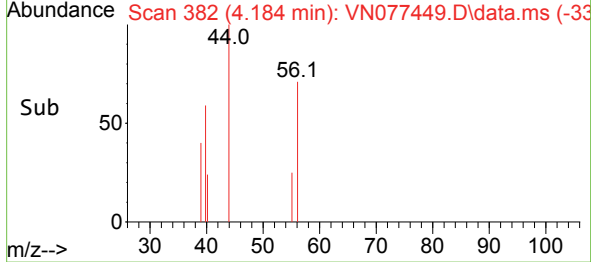
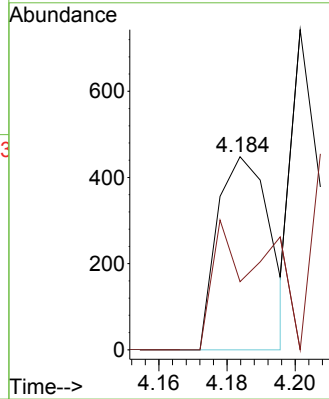
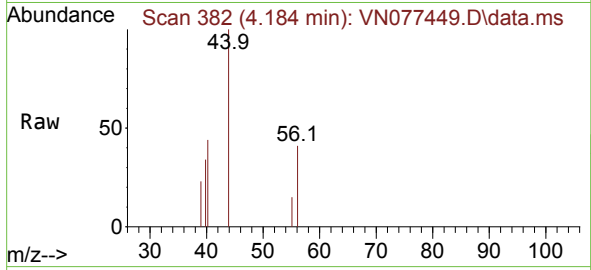




#13
Acrolein
Concen: 0.416 ug/l
RT: 4.184 min Scan# 382
Delta R.T. -0.000 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

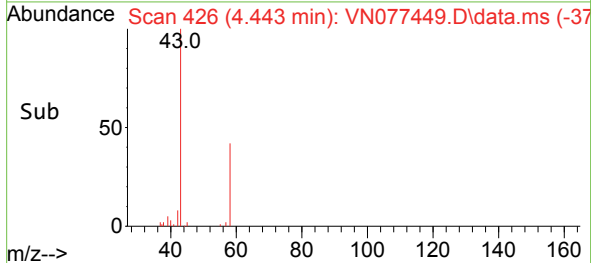
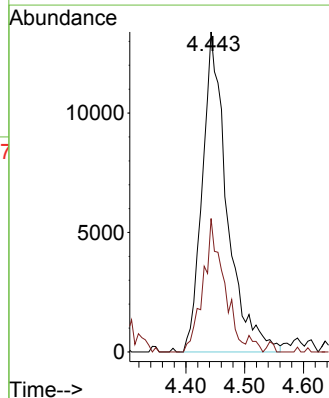
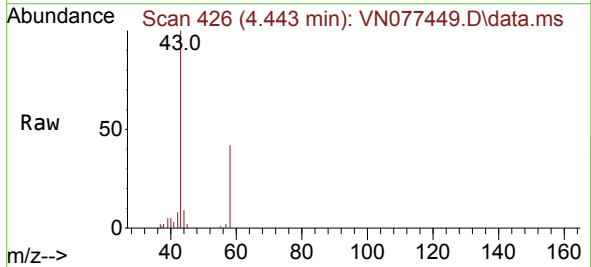
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

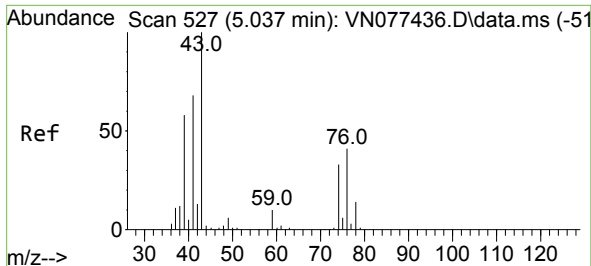
Tgt Ion: 56 Resp: 482
Ion Ratio Lower Upper
56 100
55 48.5 54.5 81.7#



#16
Acetone
Concen: 17.018 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 43 Resp: 39271
Ion Ratio Lower Upper
43 100
58 41.7 28.0 42.0

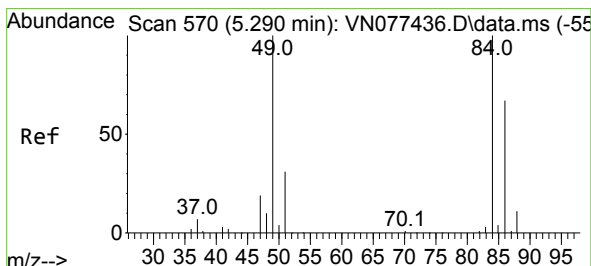
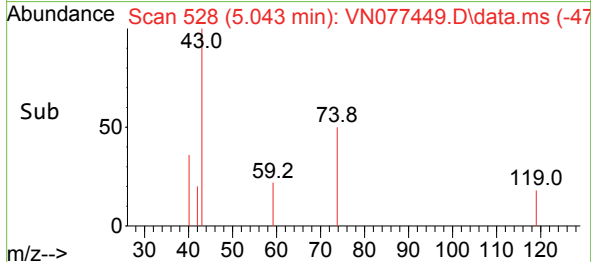
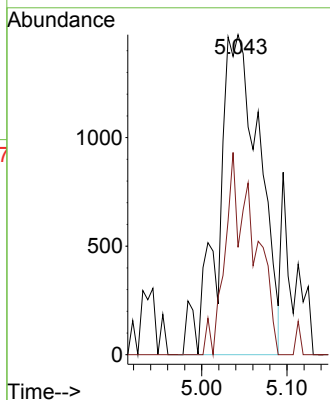
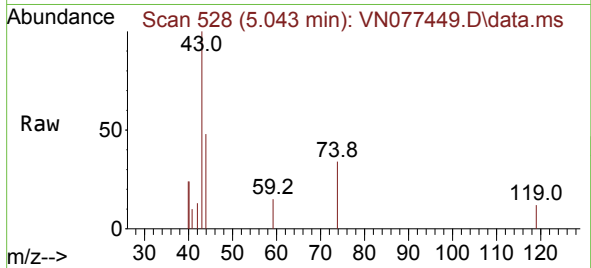




#18
Methyl Acetate
Concen: 0.556 ug/l
RT: 5.043 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

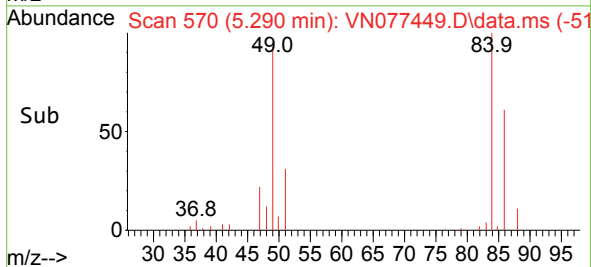
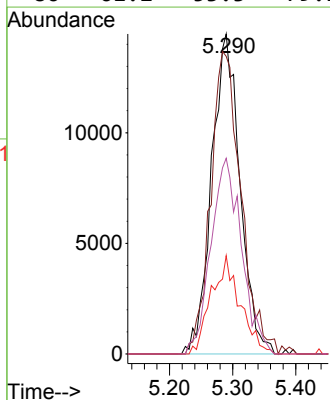
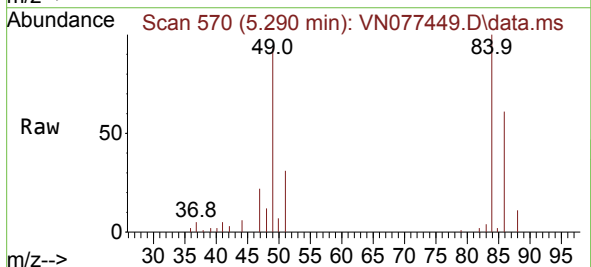
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

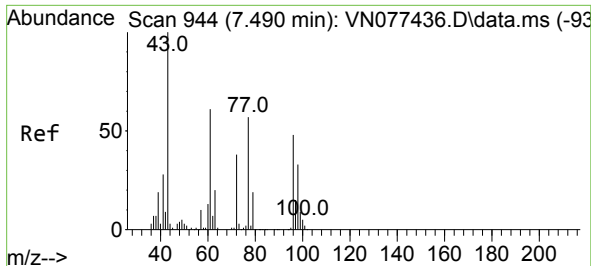
Tgt Ion: 43 Resp: 4958
Ion Ratio Lower Upper
43 100
74 44.8 26.2 39.4#



#20
Methylene Chloride
Concen: 6.165 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 84 Resp: 45116
Ion Ratio Lower Upper
84 100
49 93.0 79.7 119.5
51 30.7 25.2 37.8
86 61.2 53.3 79.9

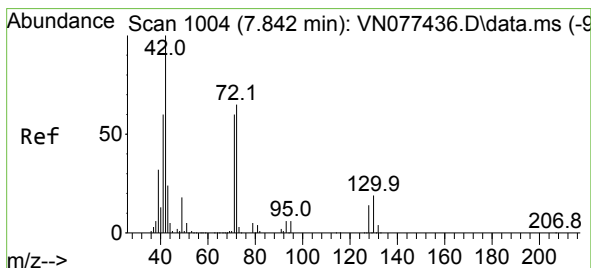
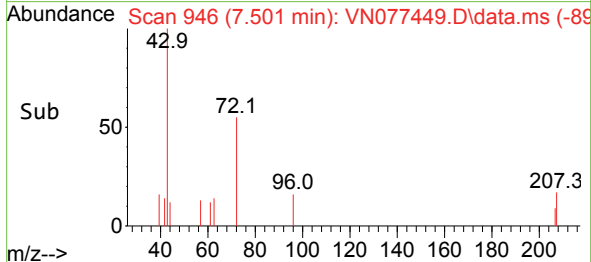
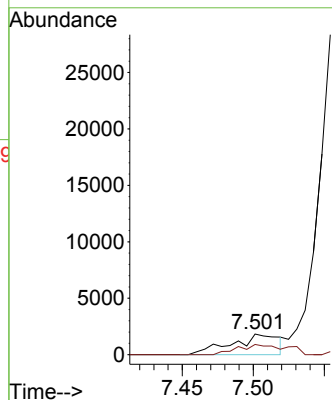
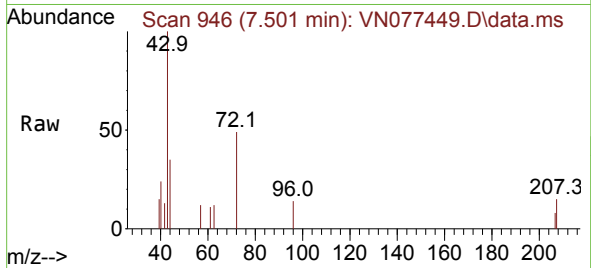




#25
2-Butanone
Concen: 1.276 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

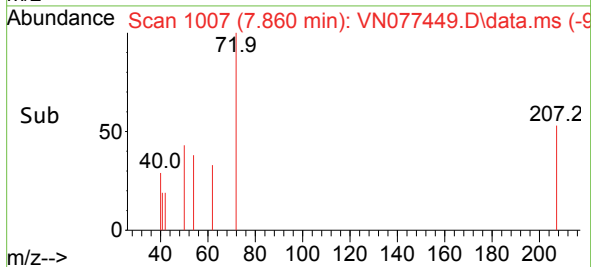
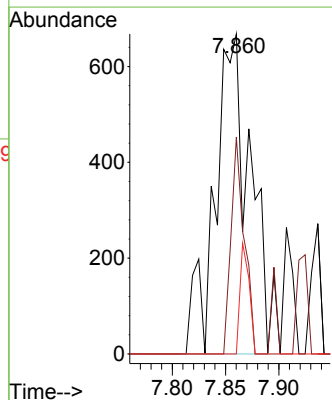
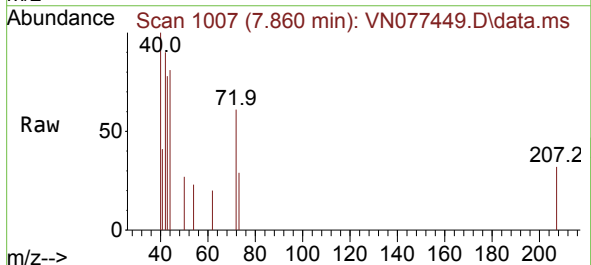
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

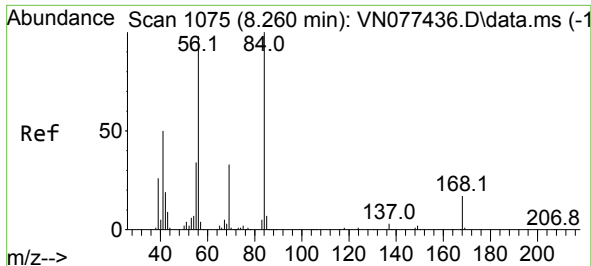
Tgt Ion: 43 Resp: 4176
Ion Ratio Lower Upper
43 100
72 49.3 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.766 ug/l
RT: 7.860 min Scan# 1007
Delta R.T. 0.018 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 42 Resp: 1571
Ion Ratio Lower Upper
42 100
72 25.0 49.8 74.6#
71 8.7 47.4 71.2#

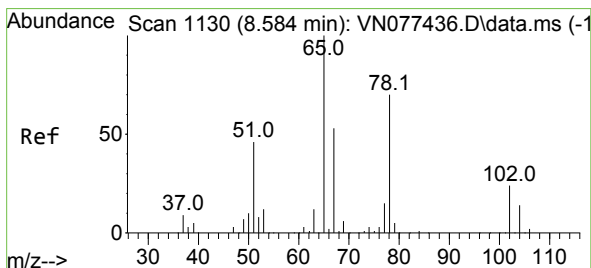
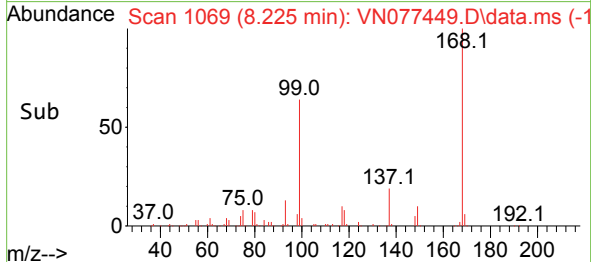
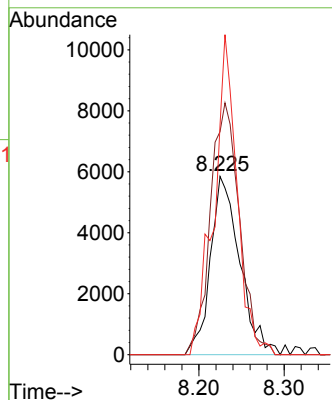
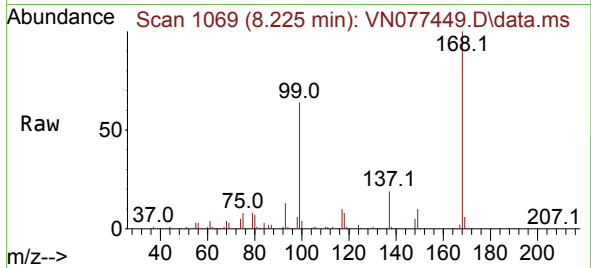




#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

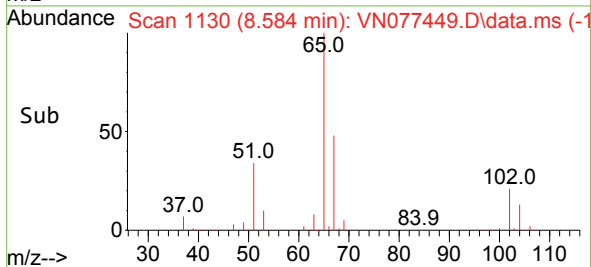
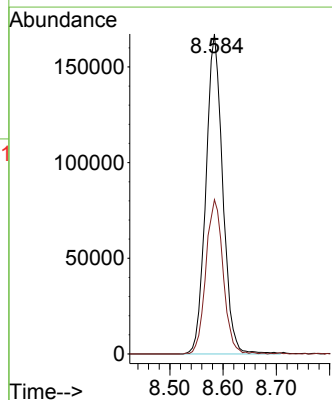
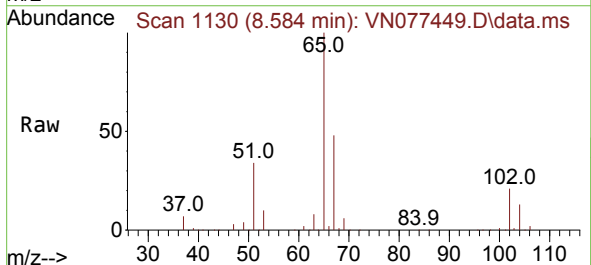
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

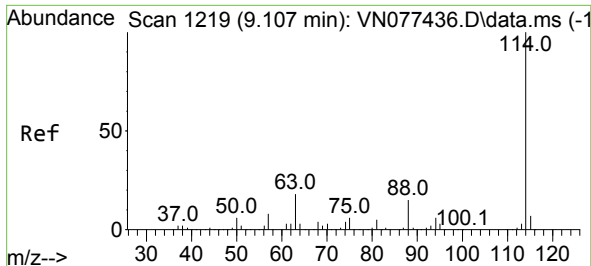
Tgt Ion: 56 Resp: 13985
Ion Ratio Lower Upper
56 100
69 125.1 26.8 40.2#
84 128.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 50.566 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 65 Resp: 366775
Ion Ratio Lower Upper
65 100
67 49.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

PB152304TB

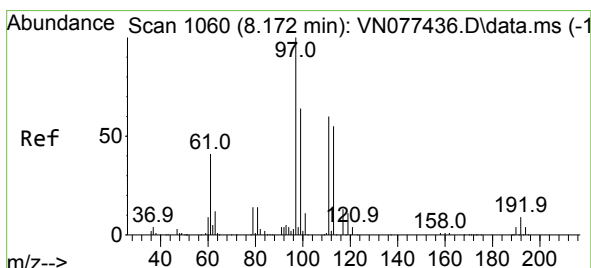
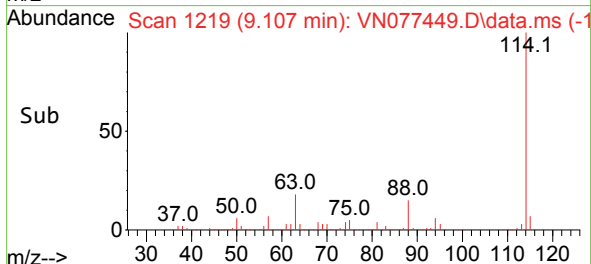
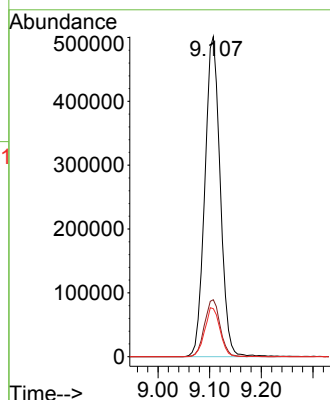
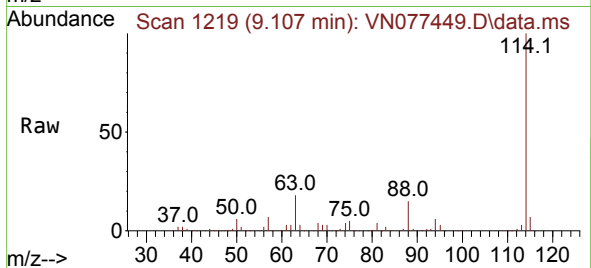
Tgt Ion:114 Resp: 1033522

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.222 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

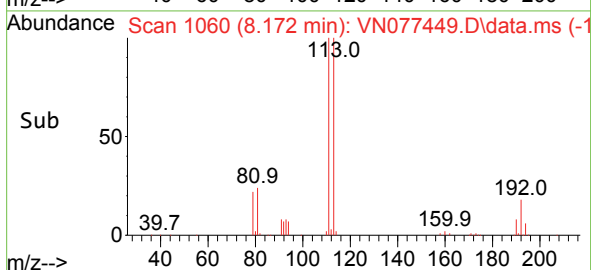
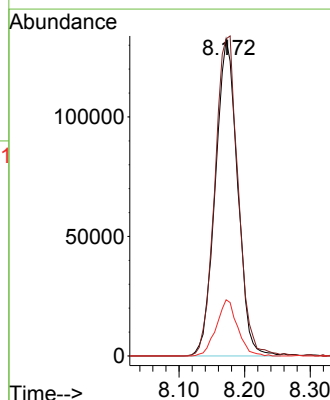
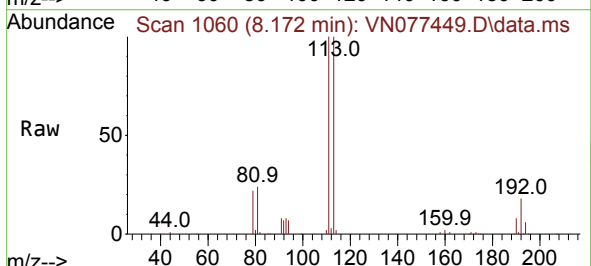
Tgt Ion:113 Resp: 311974

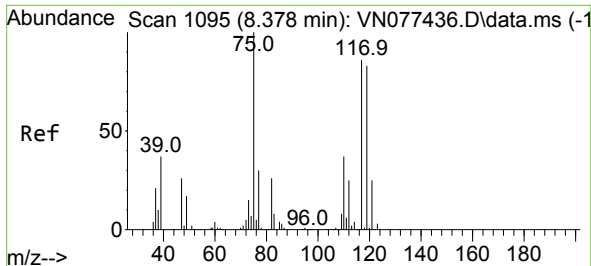
Ion Ratio Lower Upper

113 100

111 105.5 82.6 123.8

192 16.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.260 ug/l

RT: 8.231 min Scan# 1095

Delta R.T. -0.147 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

PB152304TB

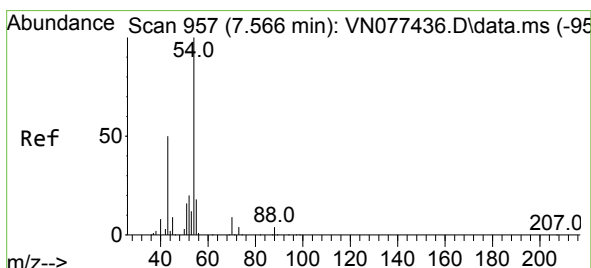
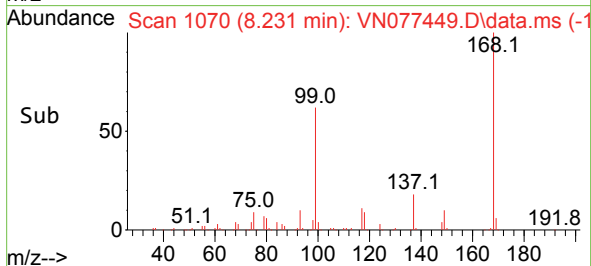
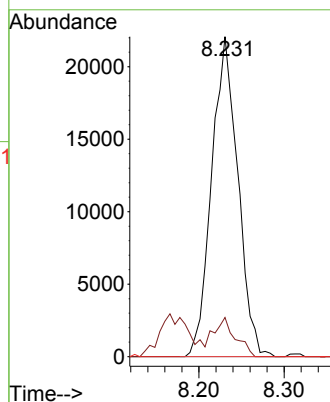
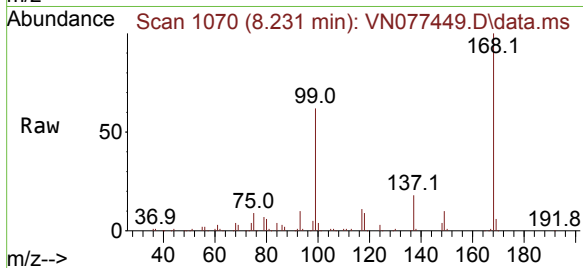
Tgt Ion: 75 Resp: 47206

Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 15.047 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

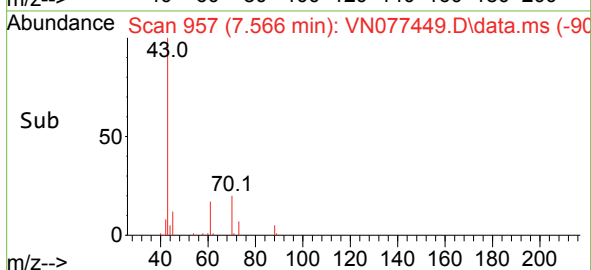
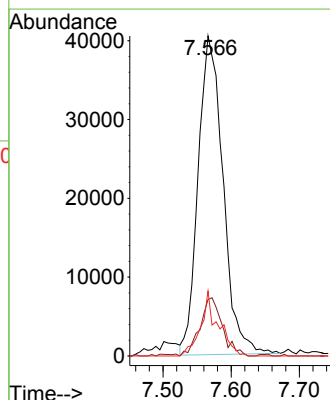
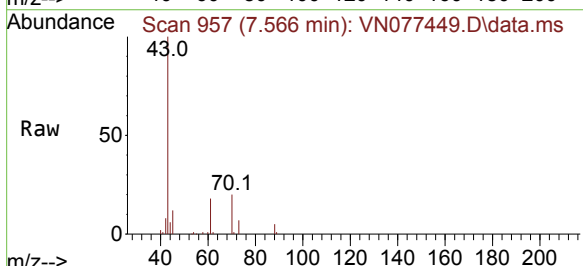
Tgt Ion: 43 Resp: 102614

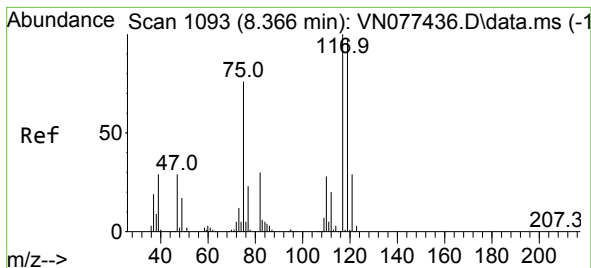
Ion Ratio Lower Upper

43 100

61 16.4 13.2 19.8

70 14.3 11.3 16.9





#38

Carbon Tetrachloride

Concen: 5.997 ug/l

RT: 8.231 min Scan# 1093

Delta R.T. -0.135 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

PB152304TB

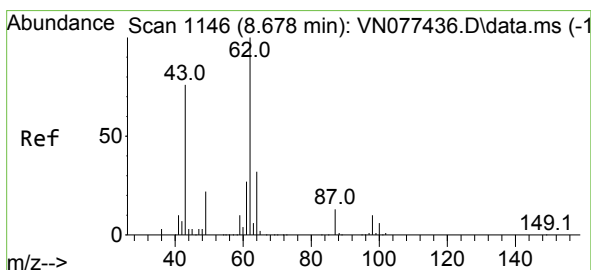
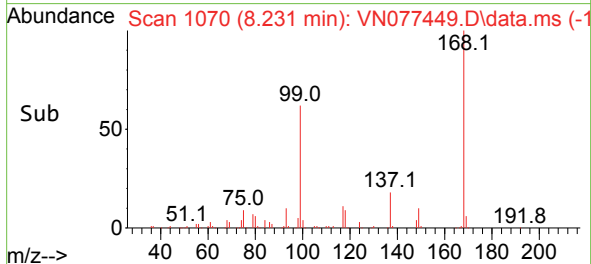
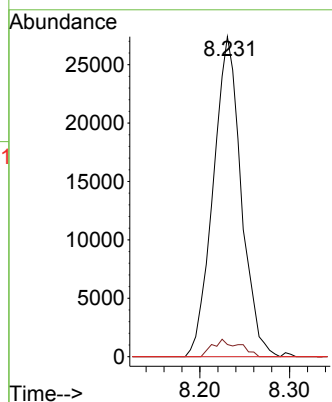
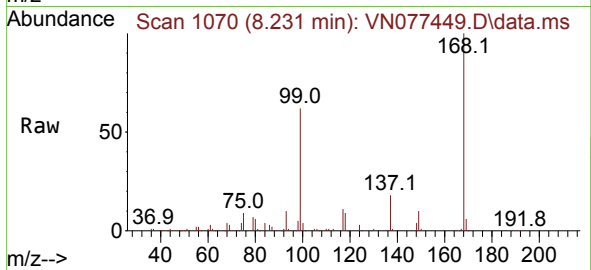
Tgt Ion:117 Resp: 59381

Ion Ratio Lower Upper

117 100

119 3.8 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.463 ug/l

RT: 8.678 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN077449.D

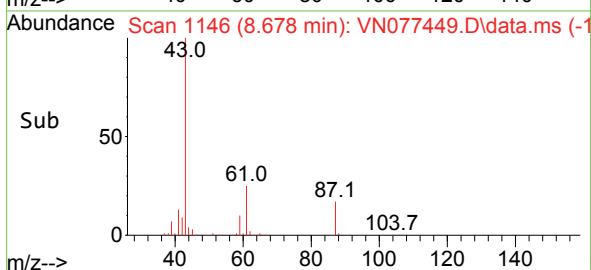
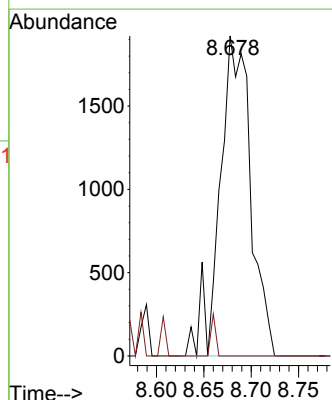
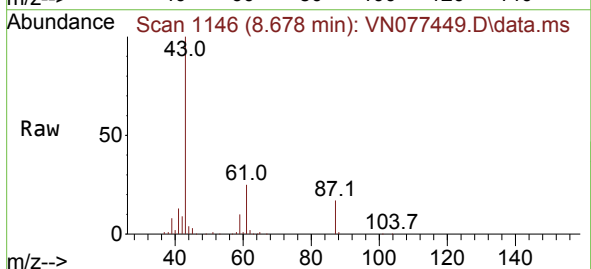
Acq: 25 Apr 2023 05:40

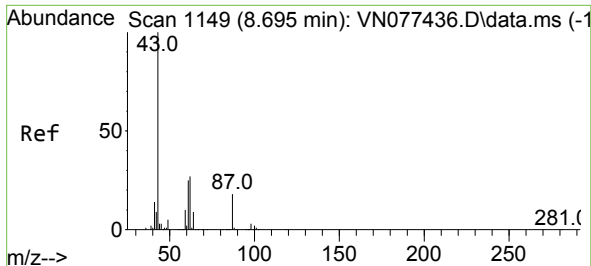
Tgt Ion: 62 Resp: 4351

Ion Ratio Lower Upper

62 100

98 2.0 0.0 19.8

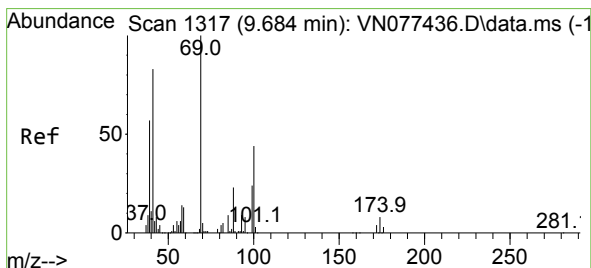
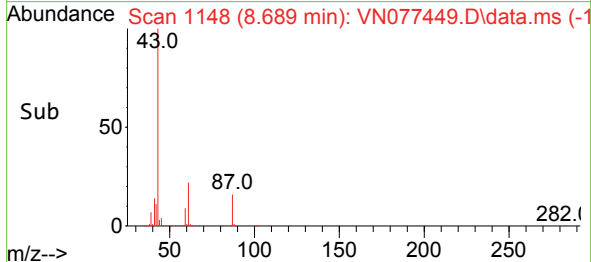
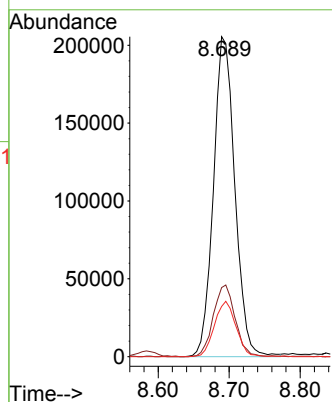
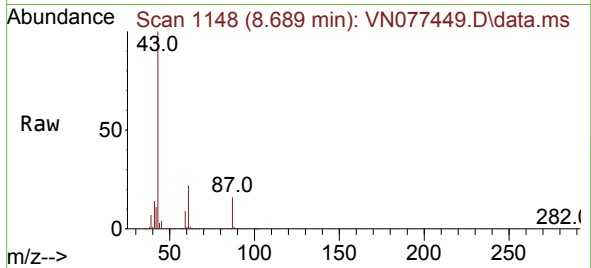




#43
Isopropyl Acetate
Concen: 36.432 ug/l
RT: 8.689 min Scan# 1149
Delta R.T. -0.006 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

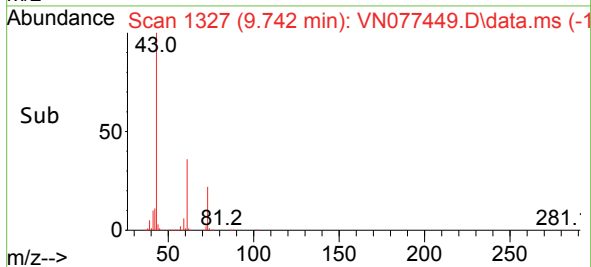
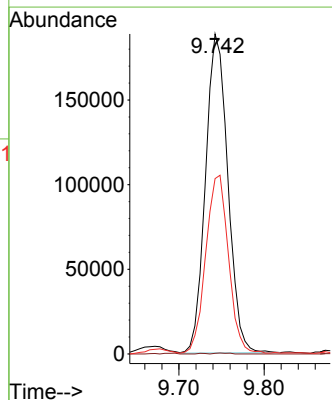
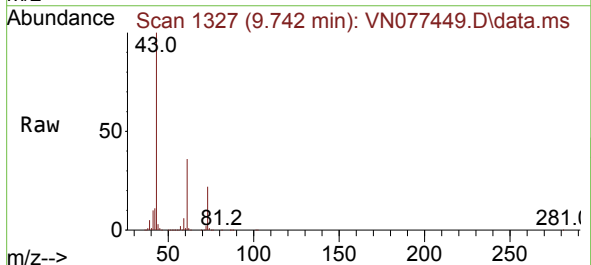
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

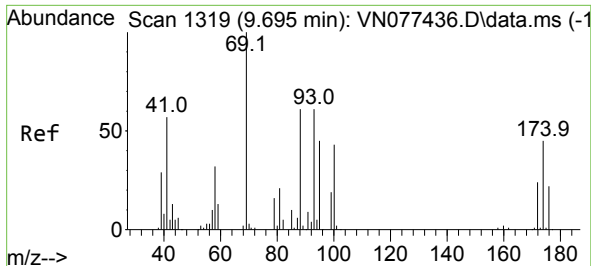
Tgt Ion: 43 Resp: 429818
Ion Ratio Lower Upper
43 100
61 22.8 24.7 37.1#
87 17.4 14.6 21.8



#48
Methyl methacrylate
Concen: 63.964 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.059 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 41 Resp: 343505
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 56.7 54.6 81.8





#49

1,4-Dioxane

Concen: 3.541 ug/l

RT: 9.678 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

PB152304TB

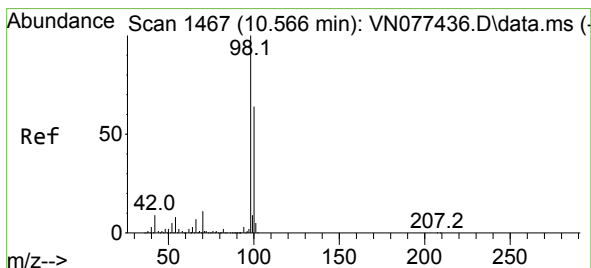
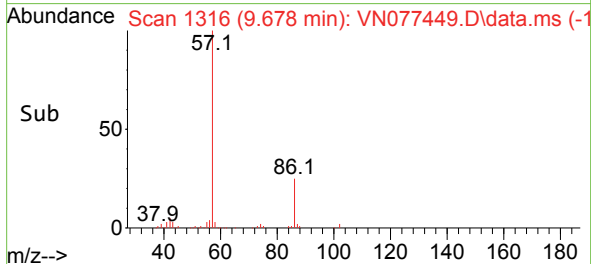
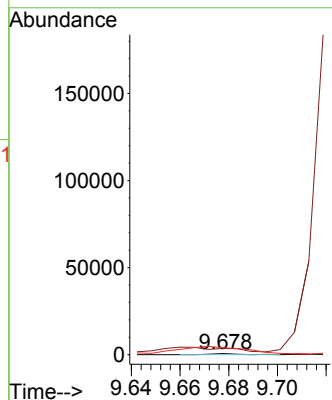
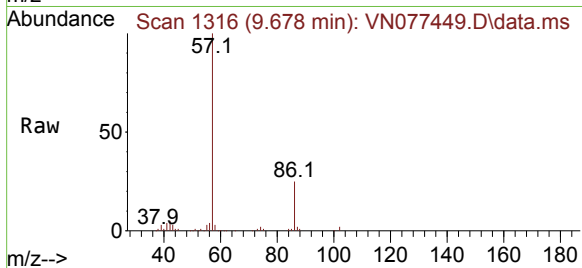
Tgt Ion: 88 Resp: 477

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 2214.5 47.0 70.4#



#50

Toluene-d8

Concen: 53.471 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077449.D

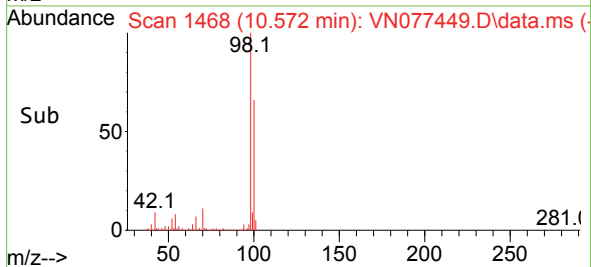
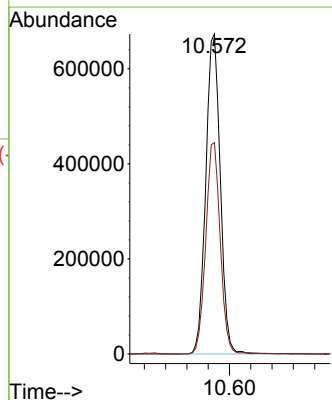
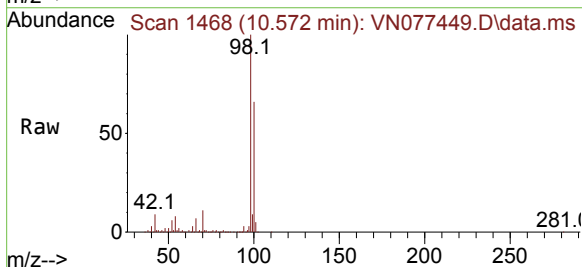
Acq: 25 Apr 2023 05:40

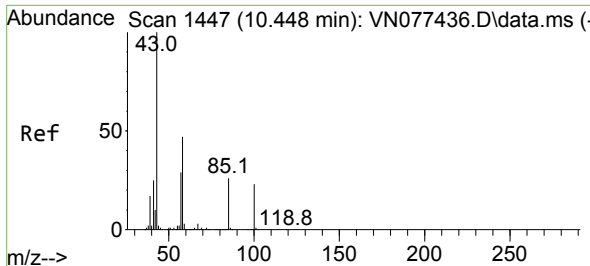
Tgt Ion: 98 Resp: 1273011

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0

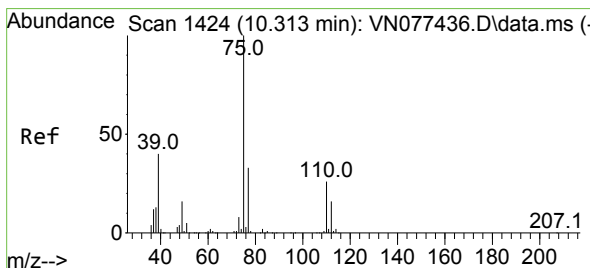
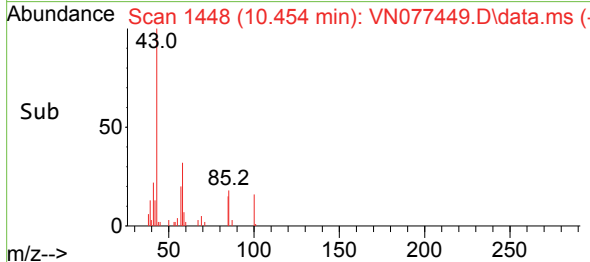
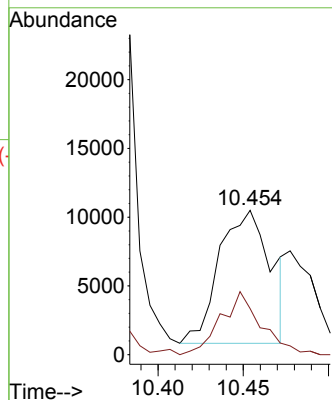
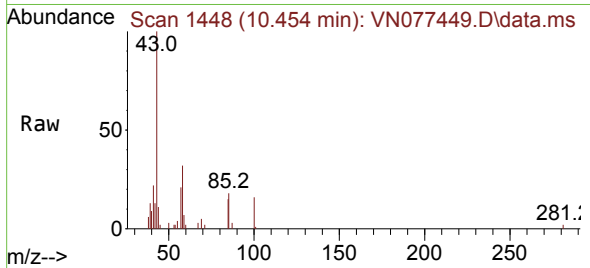




#51
4-Methyl-2-Pentanone
Concen: 2.947 ug/l
RT: 10.454 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

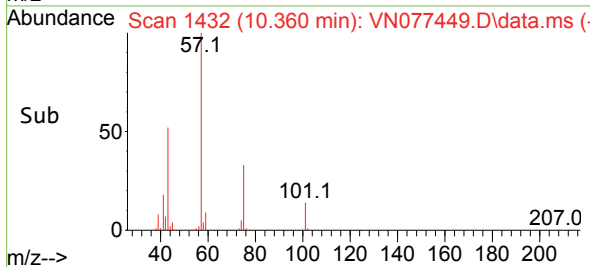
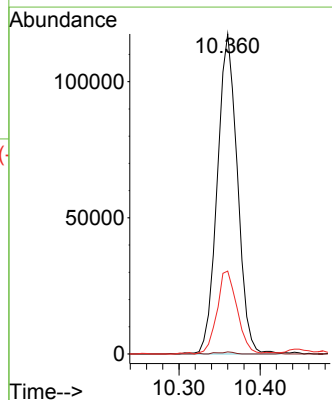
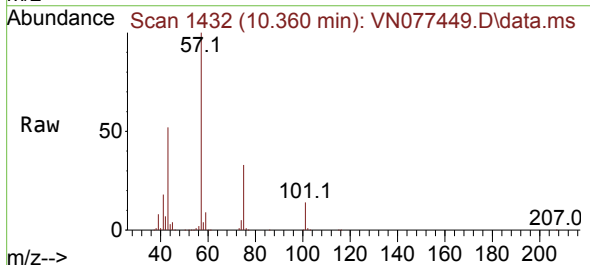
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

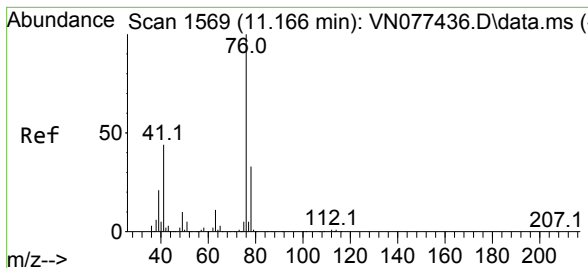
Tgt Ion: 43 Resp: 20396
Ion Ratio Lower Upper
43 100
58 37.3 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 18.277 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 75 Resp: 202486
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 25.6 31.6 47.4#

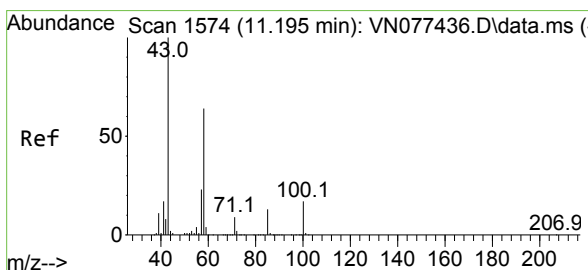
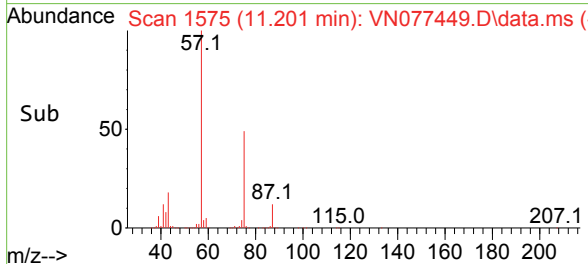
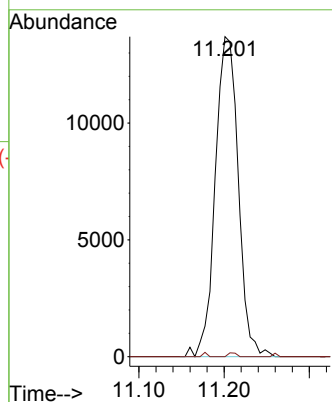
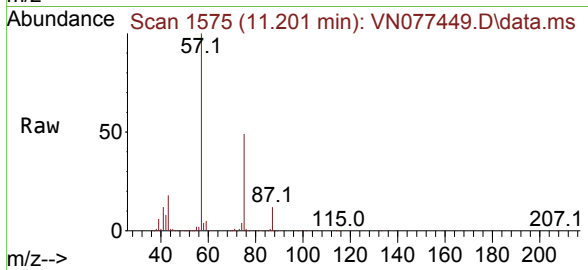




#57
1,3-Dichloropropane
Concen: 2.244 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

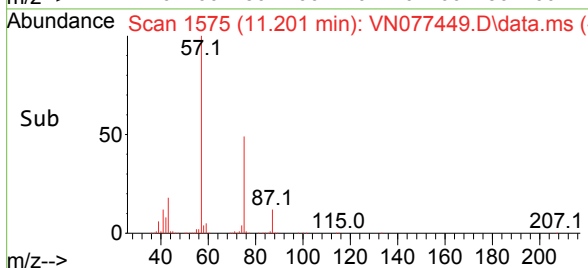
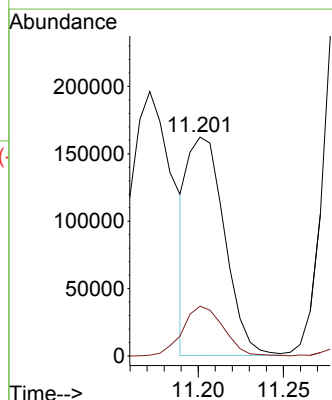
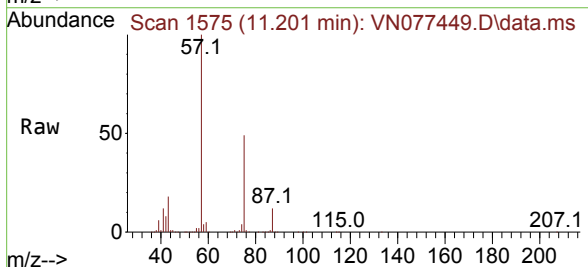
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

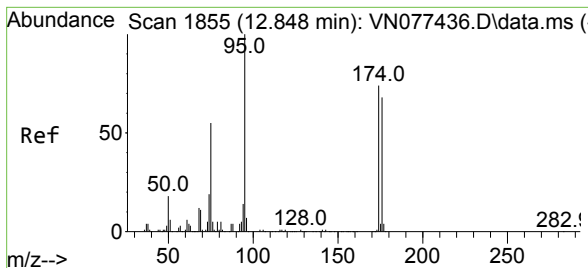
Tgt Ion: 76 Resp: 25745
Ion Ratio Lower Upper
76 100
78 0.4 26.1 39.1#



#59
2-Hexanone
Concen: 48.603 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 43 Resp: 244474
Ion Ratio Lower Upper
43 100
58 25.3 31.7 95.1#

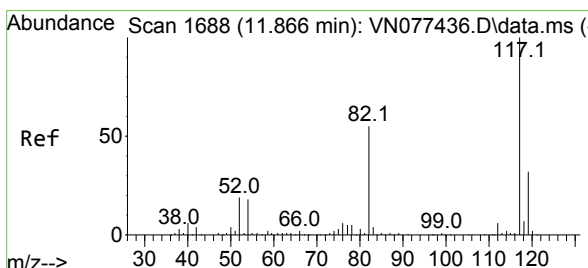
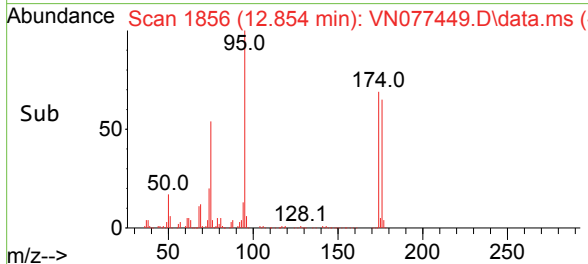
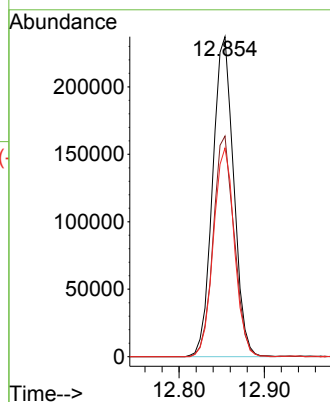
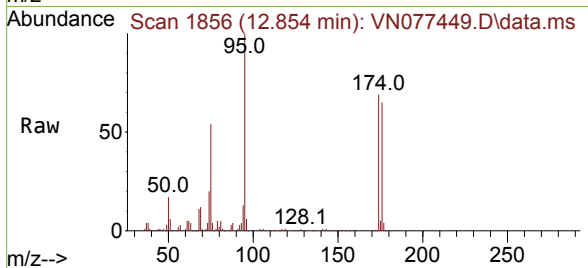




#62
4-Bromofluorobenzene
Concen: 52.268 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

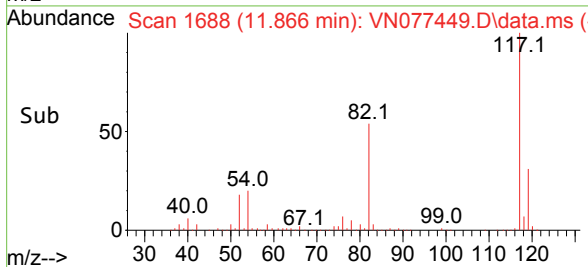
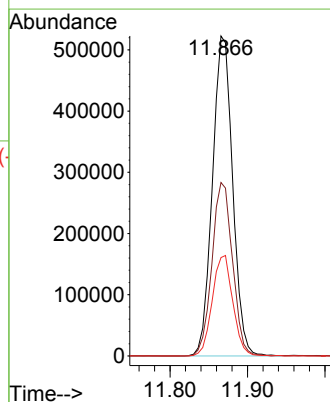
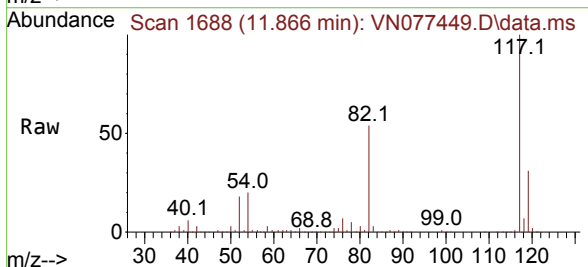
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

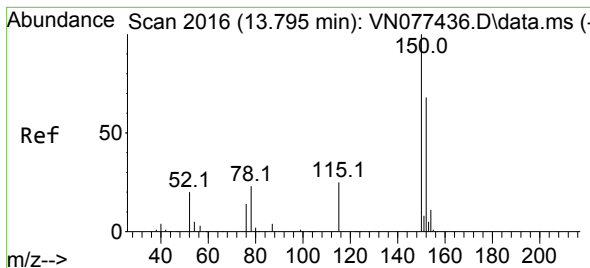
Tgt Ion: 95 Resp: 407133
Ion Ratio Lower Upper
95 100
174 68.8 0.0 143.8
176 65.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 117 Resp: 947370
Ion Ratio Lower Upper
117 100
82 54.2 44.0 66.0
119 30.7 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: VN077449.D

Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

PB152304TB

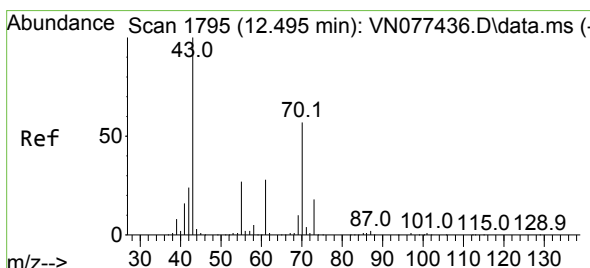
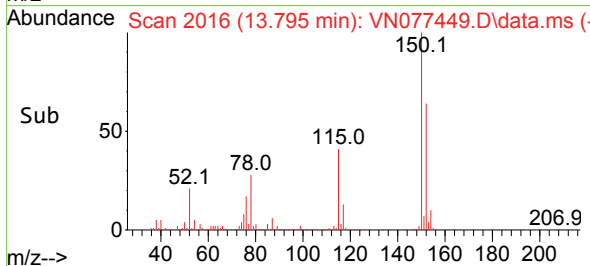
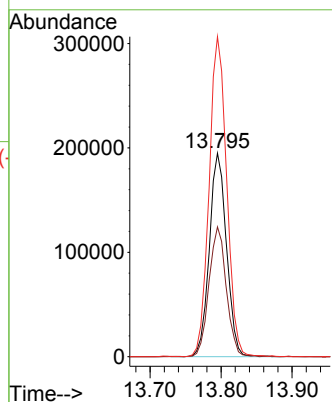
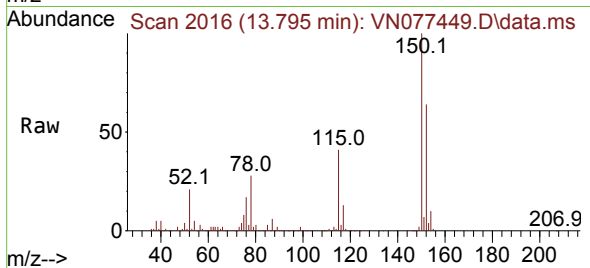
Tgt Ion:152 Resp: 327434

Ion Ratio Lower Upper

152 100

115 64.3 32.3 96.8

150 160.9 0.0 355.8



#74

N-ethyl acetate

Concen: 0.767 ug/l

RT: 12.495 min Scan# 1795

Delta R.T. -0.000 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Tgt Ion: 43 Resp: 6896

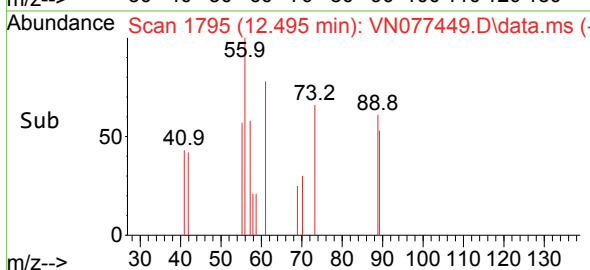
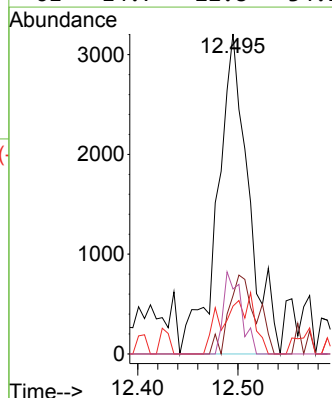
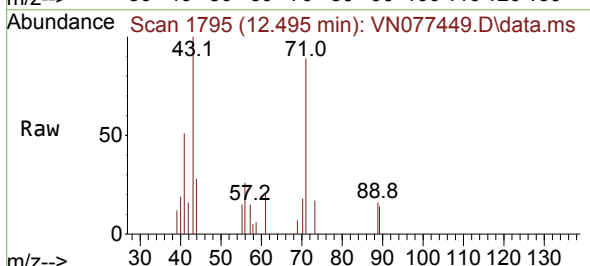
Ion Ratio Lower Upper

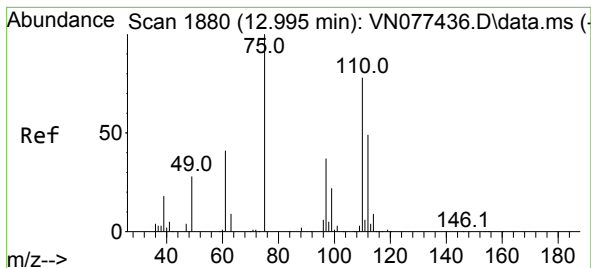
43 100

70 21.5 43.4 65.2#

55 0.0 21.4 32.0#

61 14.7 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 28.981 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.147 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

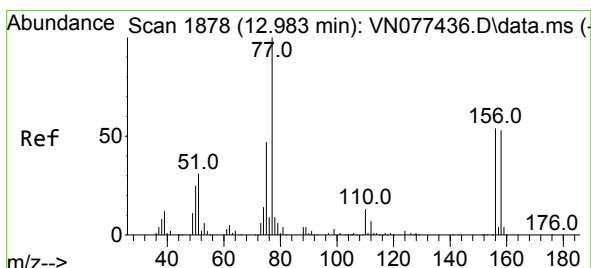
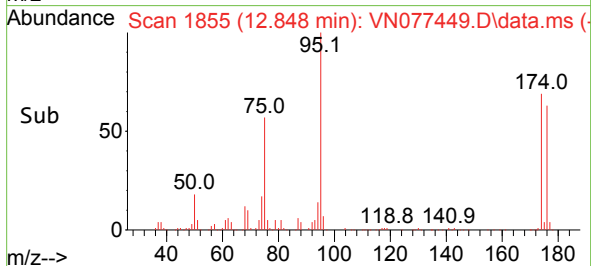
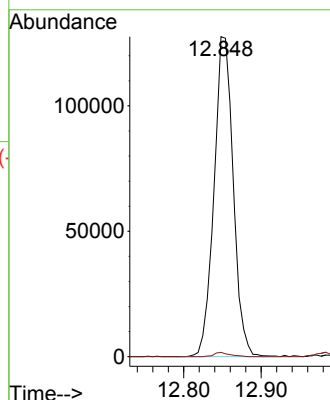
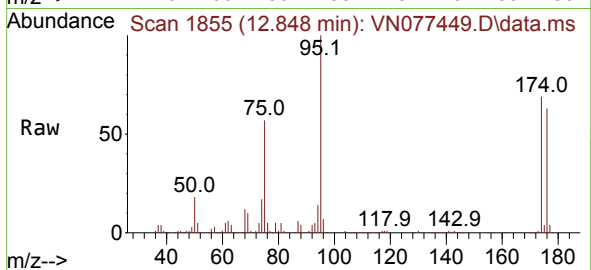
PB152304TB

Tgt Ion: 75 Resp: 220662

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#77

Bromobenzene

Concen: 0.288 ug/l

RT: 12.977 min Scan# 1877

Delta R.T. -0.006 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

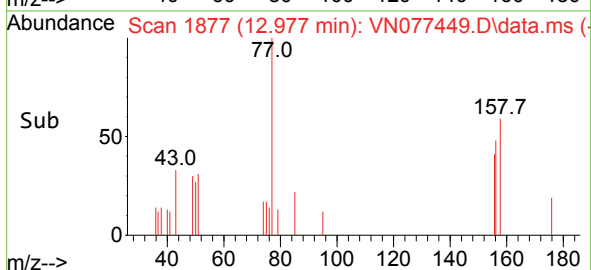
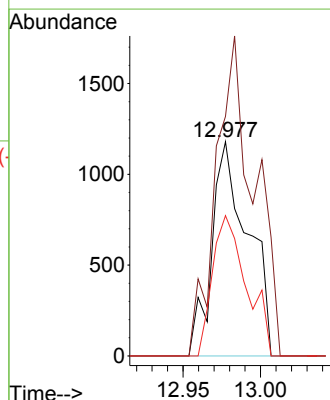
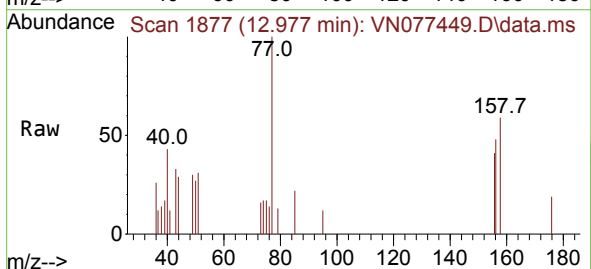
Tgt Ion:156 Resp: 1910

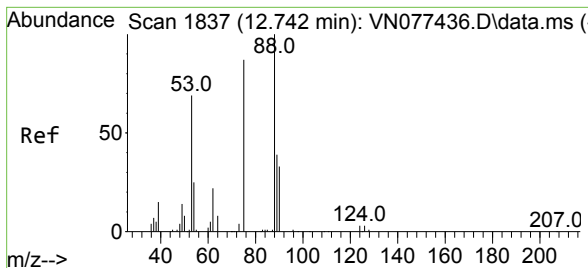
Ion Ratio Lower Upper

156 100

77 157.0 107.7 323.3

158 61.6 48.4 145.3

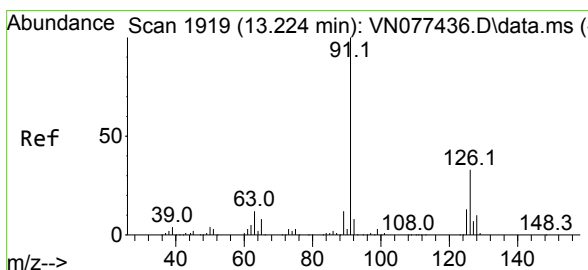
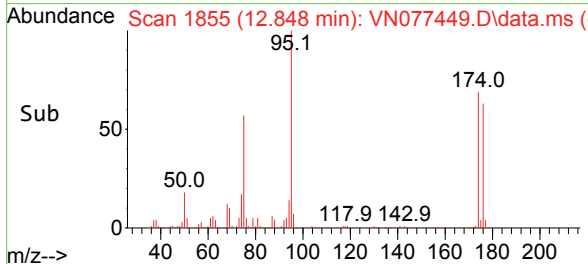
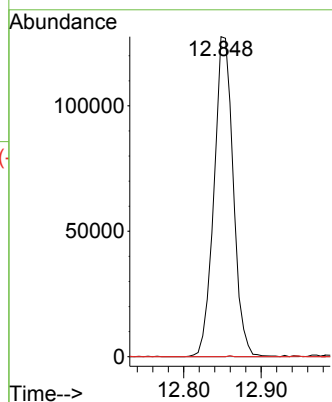
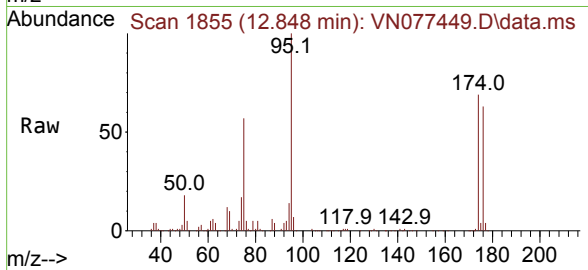




#81
trans-1,4-Dichloro-2-butene
Concen: 81.875 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.106 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

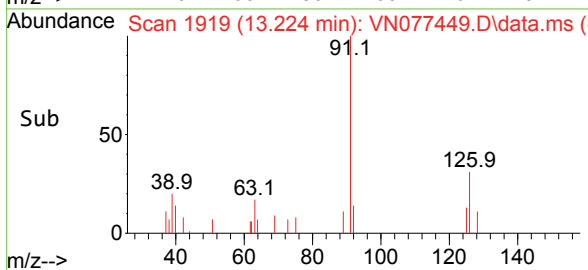
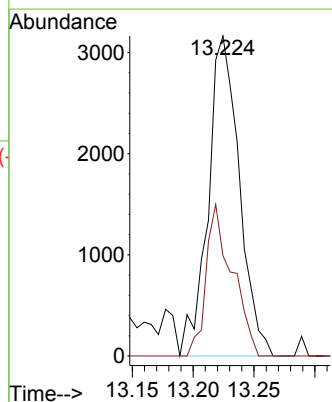
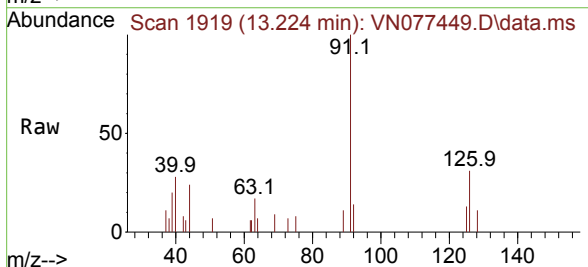
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

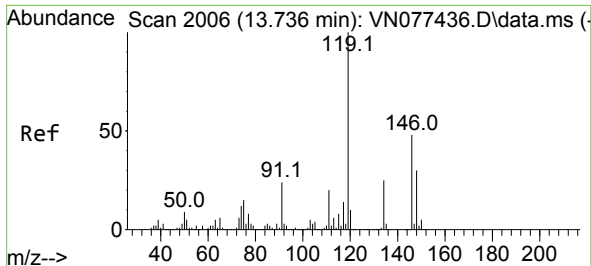
Tgt Ion: 75 Resp: 220662
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.292 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion: 91 Resp: 5643
Ion Ratio Lower Upper
91 100
126 39.7 16.7 50.0





#87

1,3-Dichlorobenzene

Concen: 0.296 ug/l

RT: 13.742 min Scan# 2007

Delta R.T. 0.006 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

PB152304TB

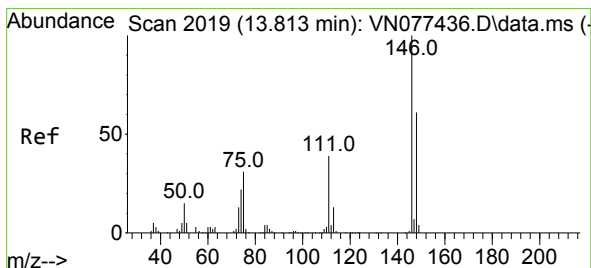
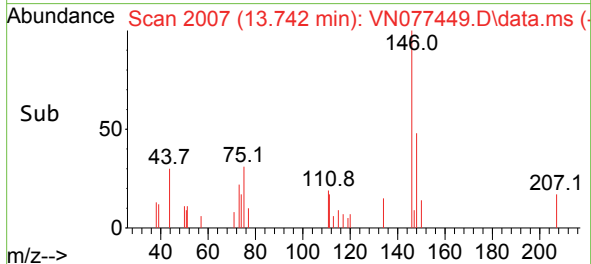
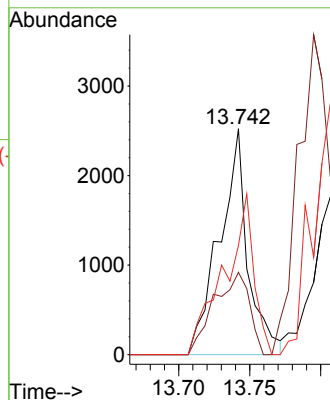
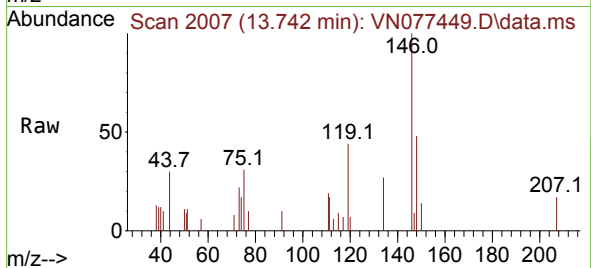
Tgt Ion:146 Resp: 3491

Ion Ratio Lower Upper

146 100

111 45.5 22.1 66.3

148 74.8 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.300 ug/l

RT: 13.742 min Scan# 2007

Delta R.T. -0.071 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

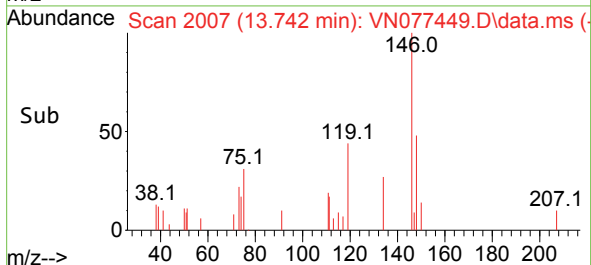
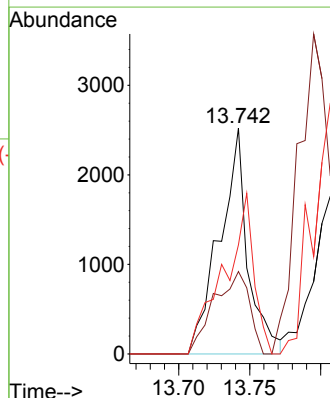
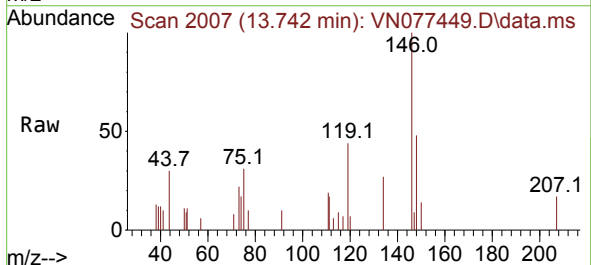
Tgt Ion:146 Resp: 3491

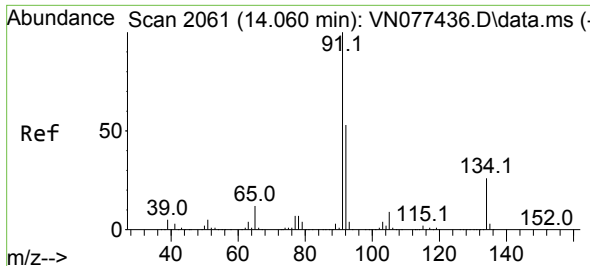
Ion Ratio Lower Upper

146 100

111 45.5 20.6 61.8

148 74.8 31.6 94.8

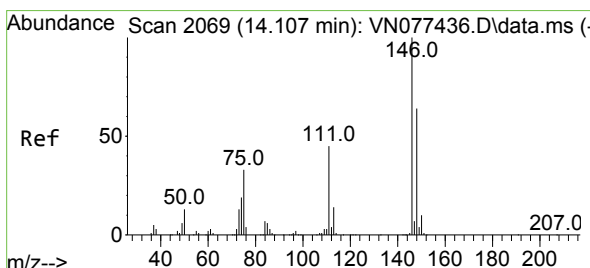
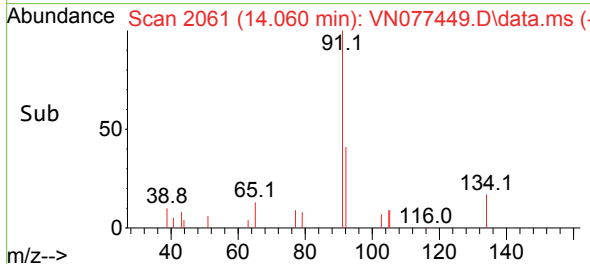
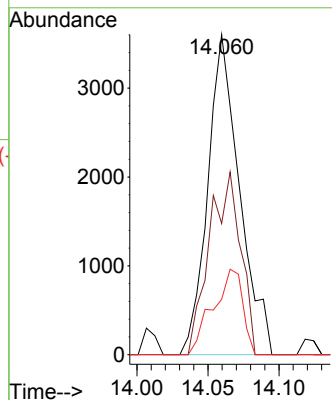
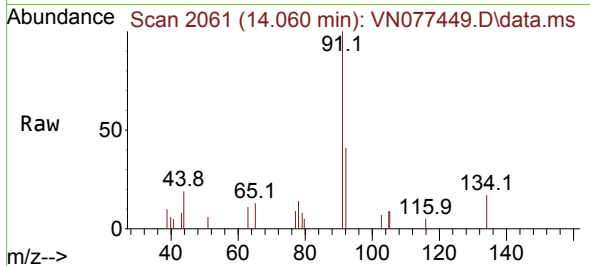




#89
n-Butylbenzene
Concen: 0.313 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

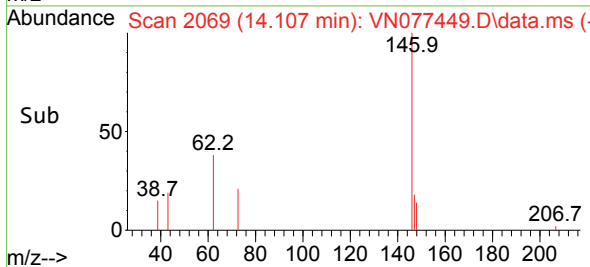
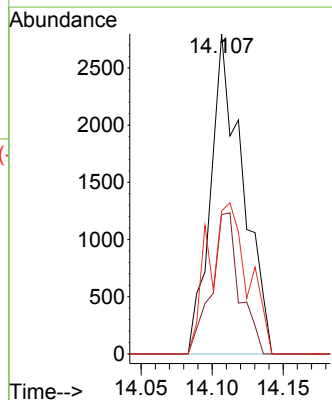
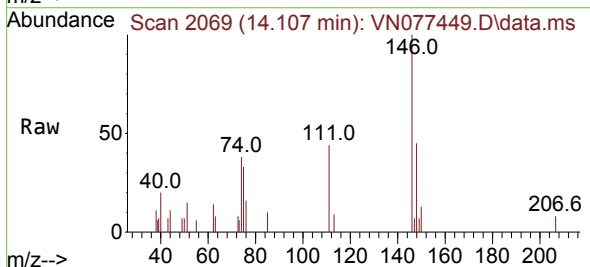
Instrument :
MSVOA_N
ClientSampleId :
PB152304TB

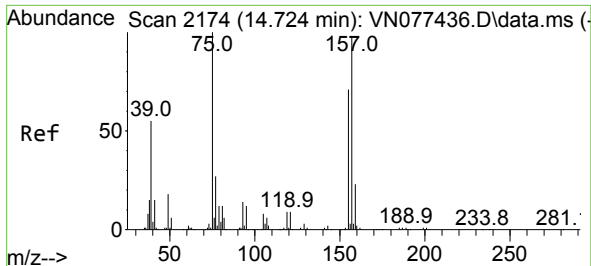
Tgt Ion:	91	Resp:	5606
Ion	Ratio	Lower	Upper
91	100		
92	56.1	26.4	79.0
134	24.9	12.6	37.6



#91
1,2-Dichlorobenzene
Concen: 0.375 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077449.D
Acq: 25 Apr 2023 05:40

Tgt Ion:	146	Resp:	4379
Ion	Ratio	Lower	Upper
146	100		
111	38.6	22.0	66.0
148	58.3	31.8	95.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.498 ug/l

RT: 14.724 min Scan# 2174

Delta R.T. -0.000 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

PB152304TB

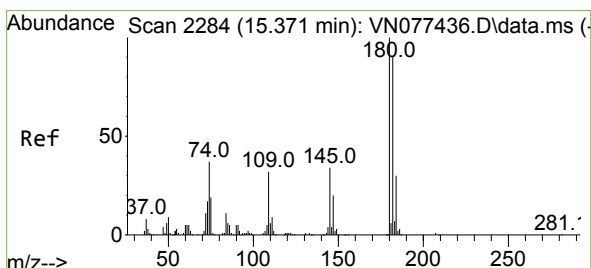
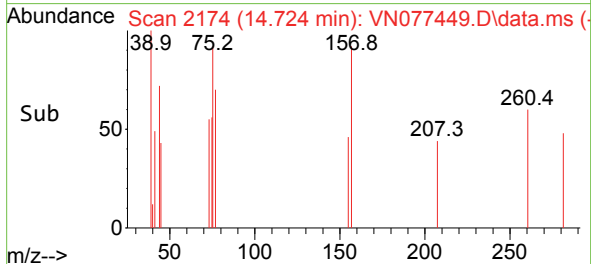
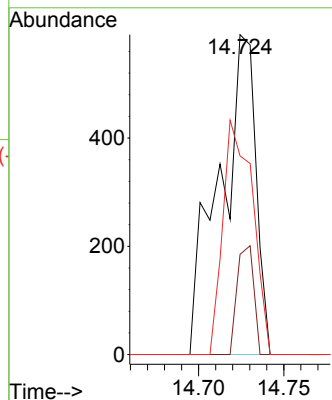
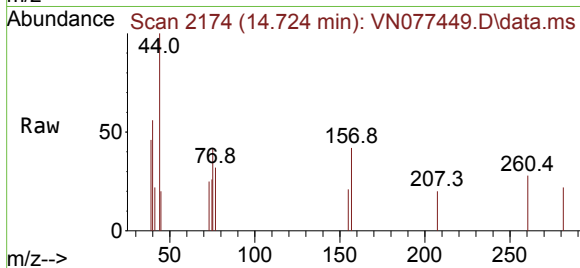
Tgt Ion: 75 Resp: 879

Ion Ratio Lower Upper

75 100

155 15.5 39.1 117.2#

157 59.4 50.3 150.9



#93

1,2,4-Trichlorobenzene

Concen: 1.946 ug/l

RT: 15.365 min Scan# 2283

Delta R.T. -0.006 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

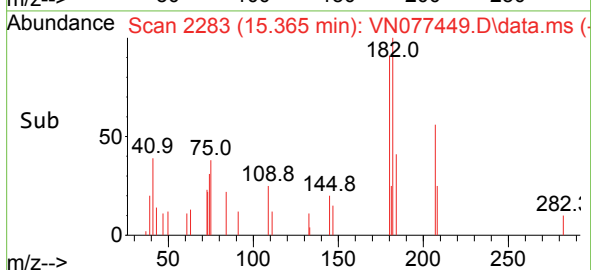
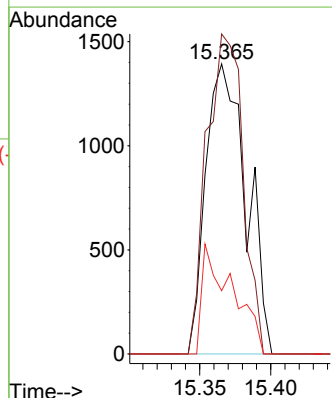
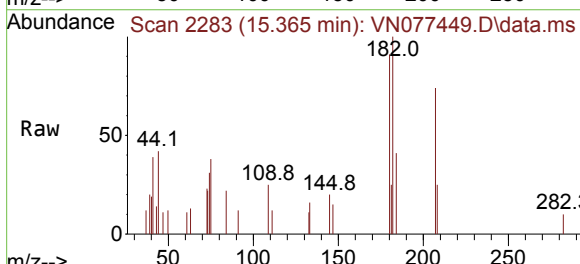
Tgt Ion:180 Resp: 2758

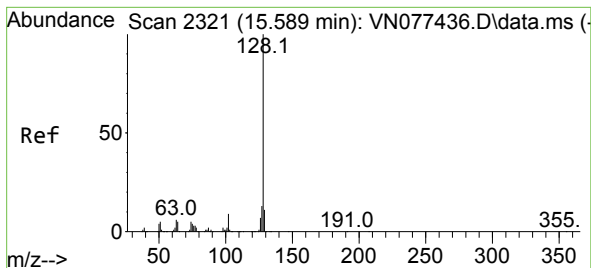
Ion Ratio Lower Upper

180 100

182 98.8 46.1 138.2

145 28.6 16.6 49.8





#95

Naphthalene

Concen: 2.468 ug/l

RT: 15.589 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Instrument :

MSVOA_N

ClientSampleId :

PB152304TB

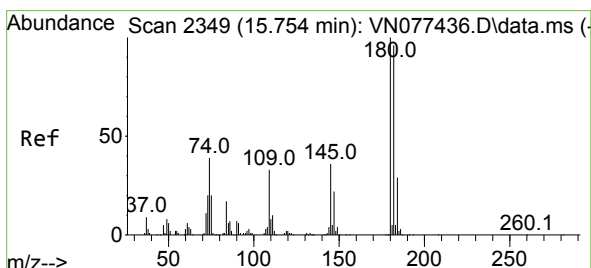
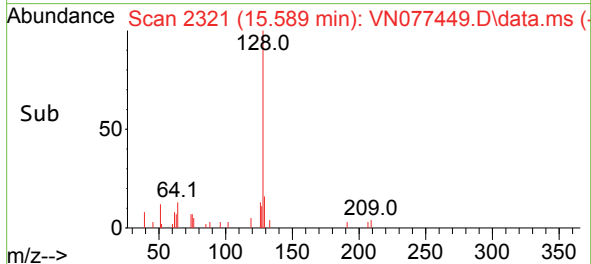
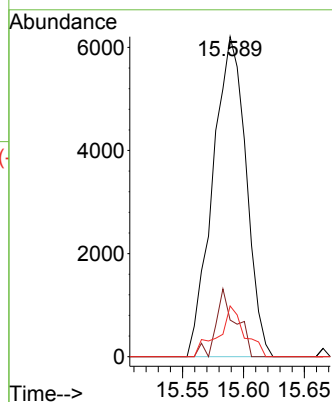
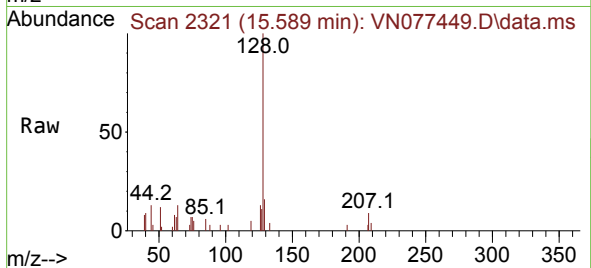
Tgt Ion:128 Resp: 11818

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

129 12.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.058 ug/l

RT: 15.765 min Scan# 2351

Delta R.T. 0.011 min

Lab File: VN077449.D

Acq: 25 Apr 2023 05:40

Tgt Ion:180 Resp: 3491

Ion Ratio Lower Upper

180 100

182 85.8 46.2 138.6

145 37.4 17.5 52.6

