

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013474.D
 Acq On : 26 Apr 2023 15:30
 Operator : KP/MD
 Sample : 02407-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-ST-&-BAY-AVE-INTERSECTION

Quant Time: Apr 27 01:33:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

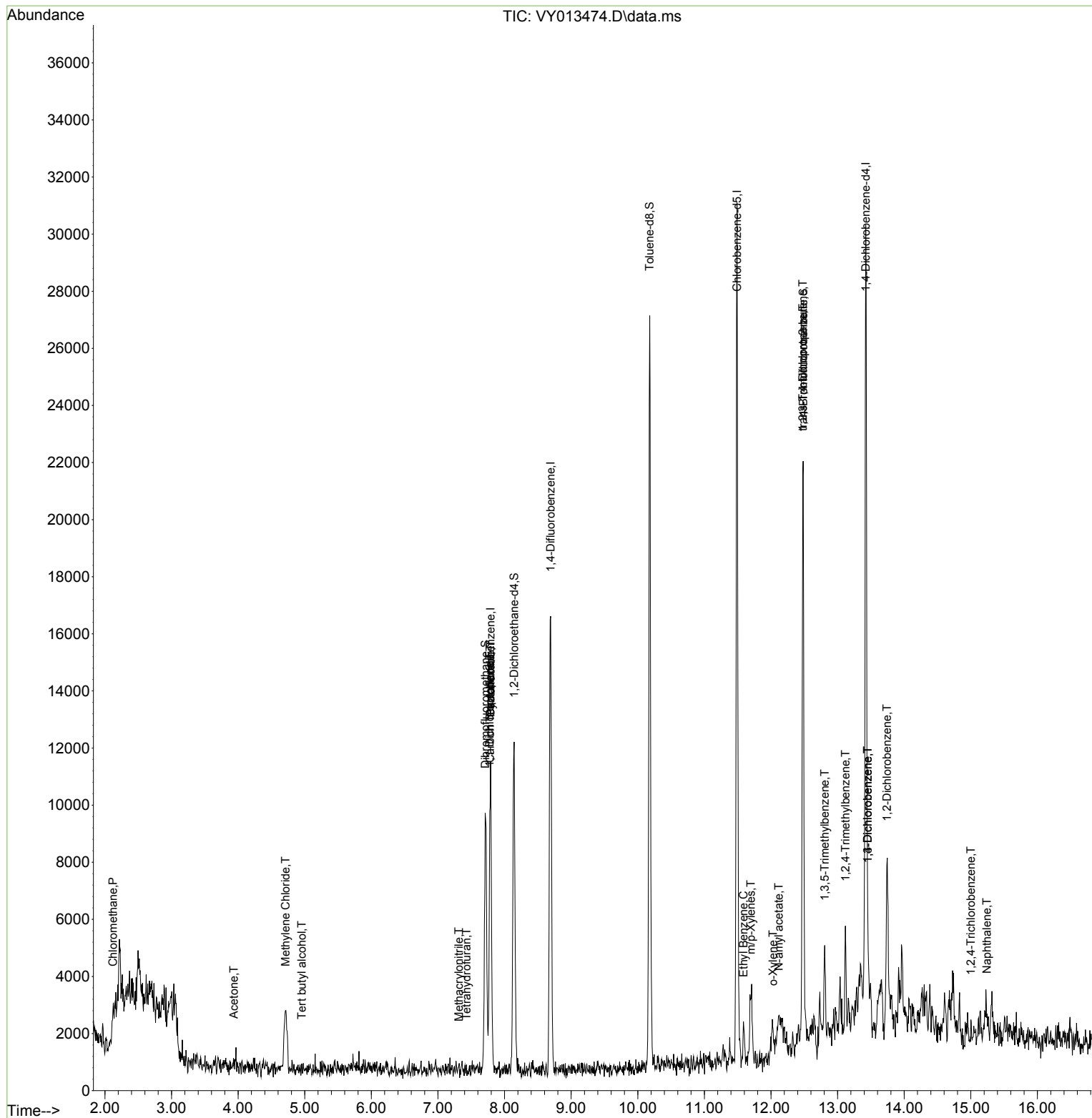
Internal Standards						
1) Pentafluorobenzene	7.789	168	7881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	14494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8648	100.100	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 200.200%#			
35) Dibromofluoromethane	7.710	113	6268	75.774	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 151.540%#			
50) Toluene-d8	10.179	98	16287	55.347	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.700%			
62) 4-Bromofluorobenzene	12.483	95	6174	62.235	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 124.460%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	189	1.882	ug/l #	64
11) Tert butyl alcohol	4.954	59	72	8.030	ug/l #	89
16) Acetone	3.936	43	688	20.222	ug/l #	43
20) Methylene Chloride	4.710	84	1386	5.863	ug/l #	90
29) Tetrahydrofuran	7.429	42	46	1.713	ug/l #	32
31) Cyclohexane	7.789	56	172	1.112	ug/l #	76
36) 1,1-Dichloropropene	7.777	75	674	4.909	ug/l #	40
38) Carbon Tetrachloride	7.783	117	846	5.879	ug/l #	11
41) Methacrylonitrile	7.314	41	120	2.493	ug/l #	28
67) Ethyl Benzene	11.587	91	1052	1.897	ug/l #	65
68) m/p-Xylenes	11.697	106	781	3.705	ug/l	99
69) o-Xylene	12.032	106	282	1.415	ug/l	63
74) N-amyl acetate	12.118	43	360	2.277	ug/l #	43
76) 1,2,3-Trichloropropane	12.477	75	3172	40.048	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	686	1.892	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.477	75	3172	81.921	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.117	105	1694	4.806	ug/l	96
87) 1,3-Dichlorobenzene	13.453	146	669	3.262	ug/l	86
88) 1,4-Dichlorobenzene	13.453	146	669	3.230	ug/l #	86
91) 1,2-Dichlorobenzene	13.739	146	1020	5.508	ug/l #	83
93) 1,2,4-Trichlorobenzene	15.001	180	247	2.237	ug/l #	50
95) Naphthalene	15.239	128	876	3.657	ug/l #	91

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

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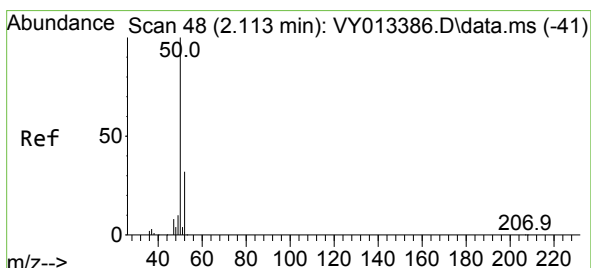
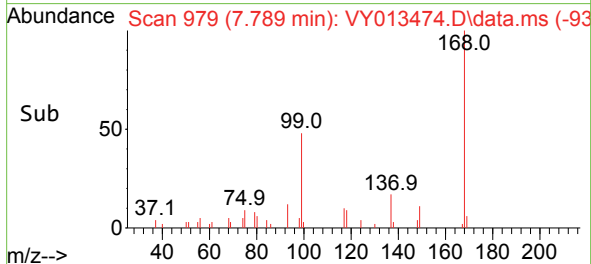
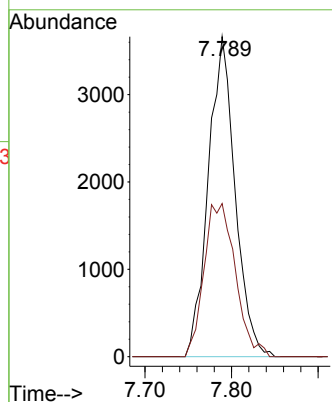
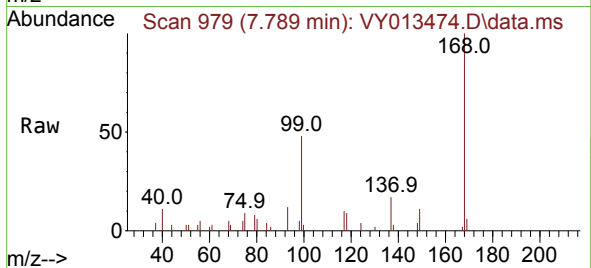




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
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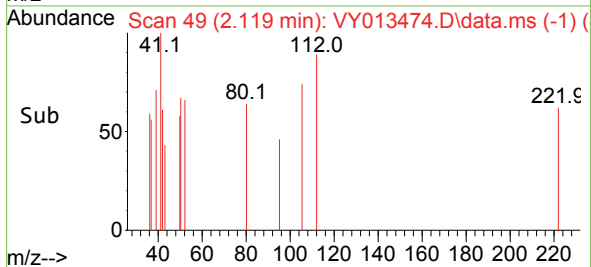
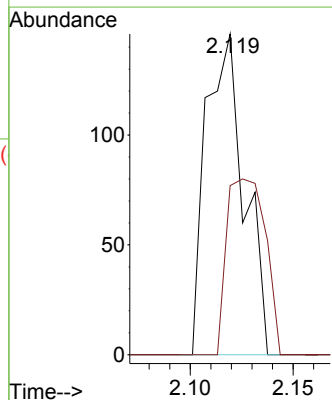
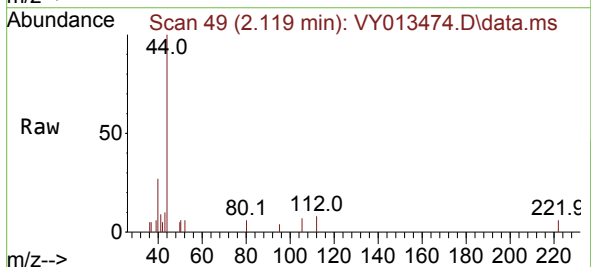
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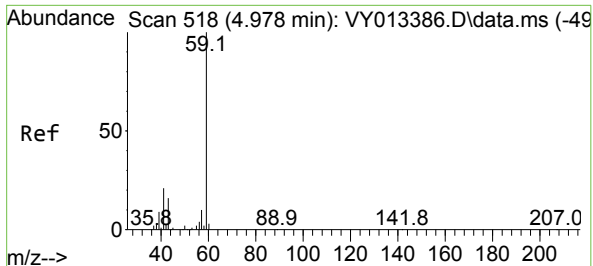
Tgt Ion:168 Resp: 7881
Ion Ratio Lower Upper
168 100
99 47.9 41.8 62.6



#3
Chloromethane
Concen: 1.882 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

Tgt Ion: 50 Resp: 189
Ion Ratio Lower Upper
50 100
52 52.7 25.9 38.9#





#11

Tert butyl alcohol

Concen: 8.030 ug/l

RT: 4.954 min Scan# 51

Delta R.T. -0.024 min

Lab File: VY013474.D

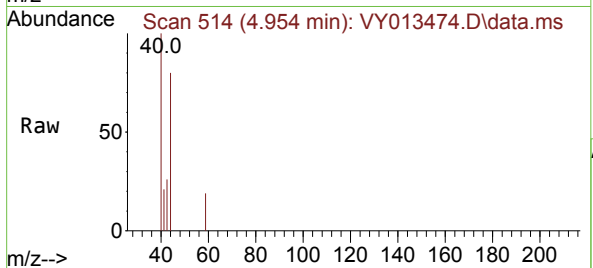
Acq: 26 Apr 2023 15:30

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-ST-&-BAY-AVE-INTERSECTION

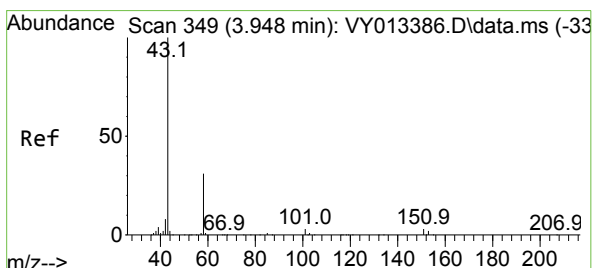
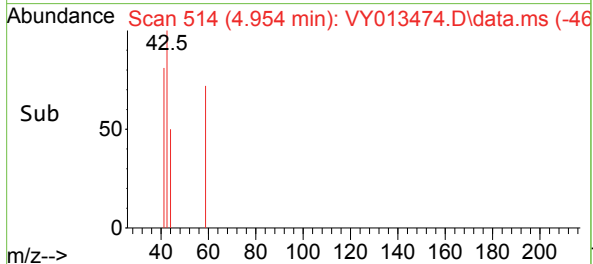
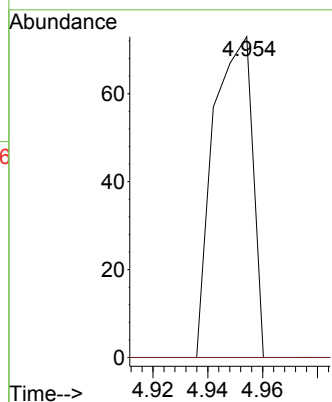


Tgt Ion: 59 Resp: 72

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 20.222 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY013474.D

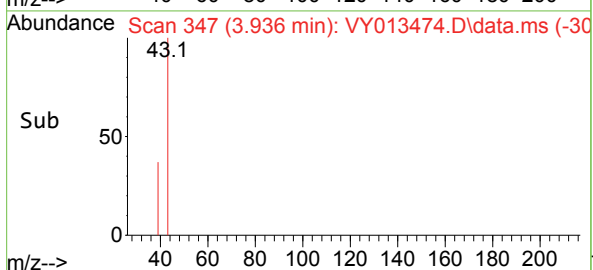
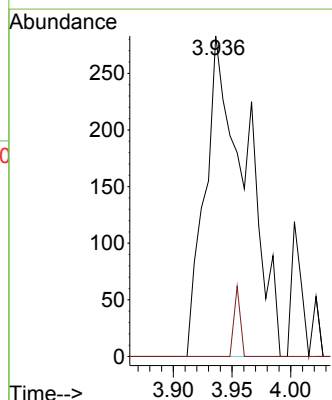
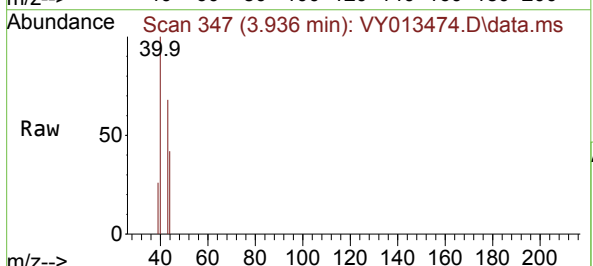
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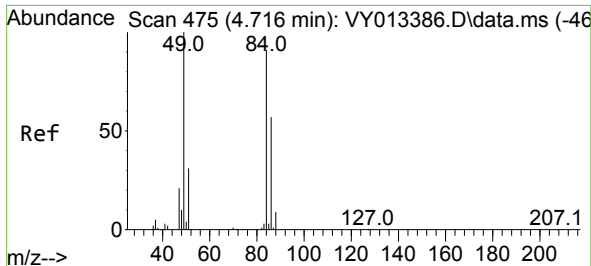
Tgt Ion: 43 Resp: 688

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#

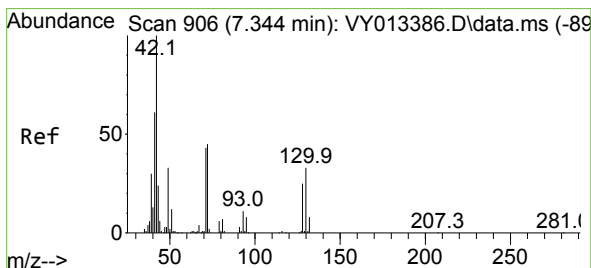
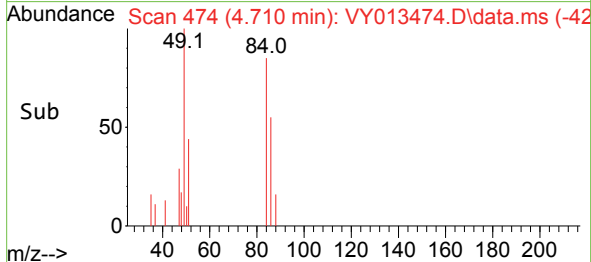
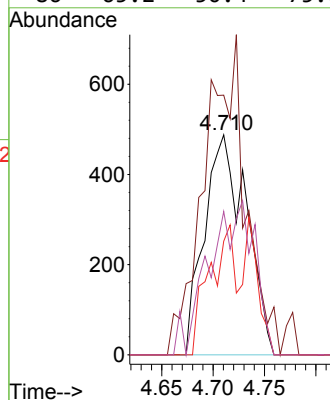
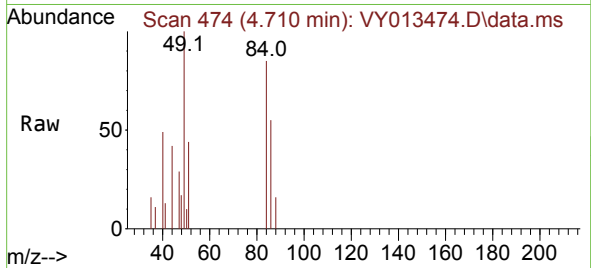




#20
Methylene Chloride
Concen: 5.863 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

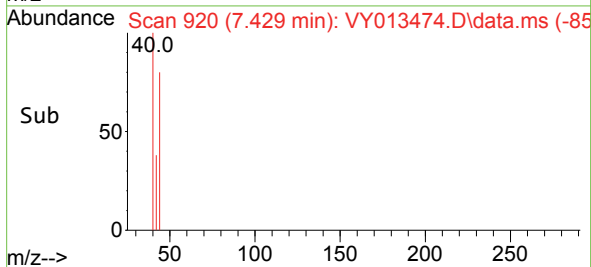
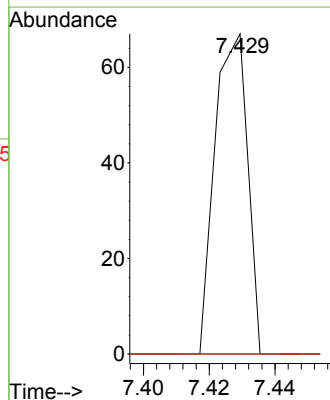
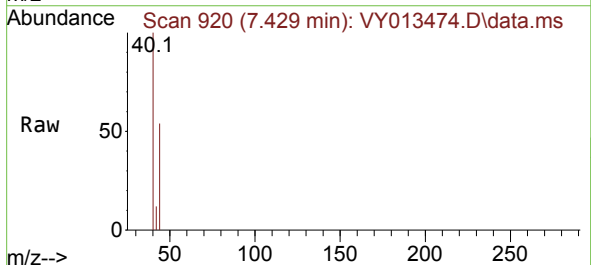
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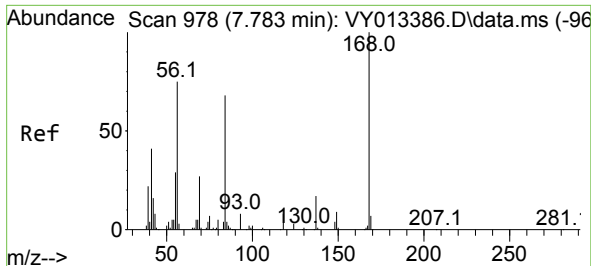
Tgt Ion:	84	Resp:	1386
Ion	Ratio	Lower	Upper
84	100		
49	118.0	88.0	132.0
51	51.6	27.4	41.0#
86	65.2	50.4	75.6



#29
Tetrahydrofuran
Concen: 1.713 ug/l
RT: 7.429 min Scan# 920
Delta R.T. 0.085 min
Lab File: VY013474.D
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Tgt Ion:	42	Resp:	46
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	34.3	51.5#

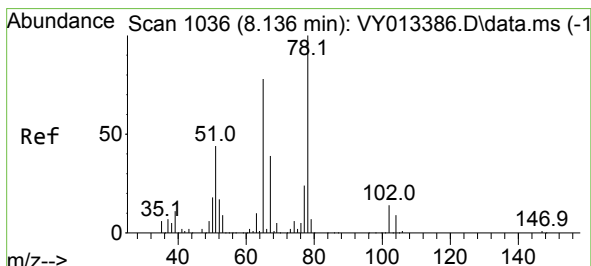
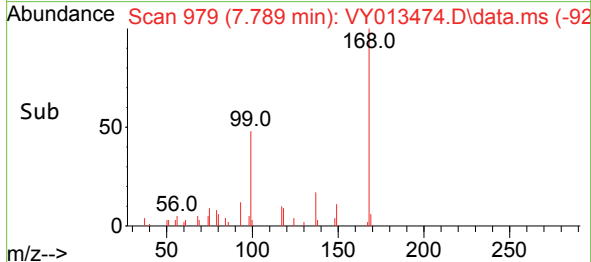
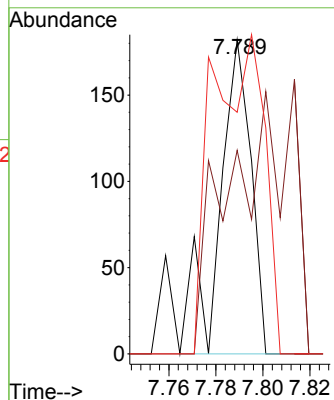
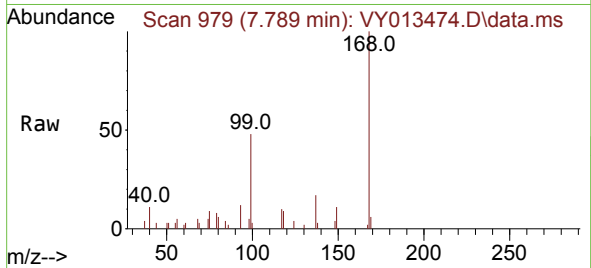




#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

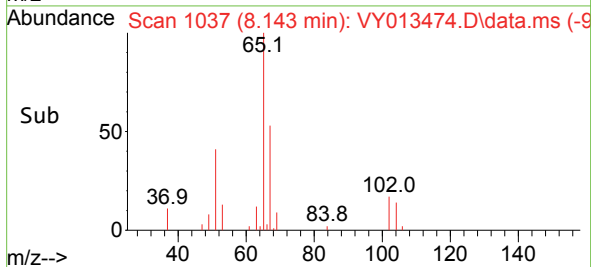
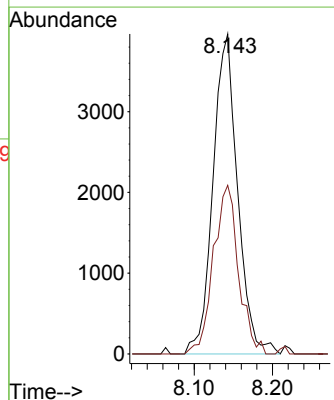
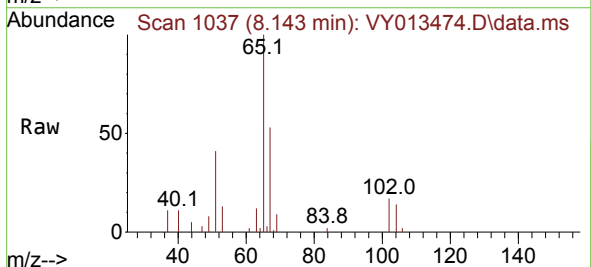
Instrument :
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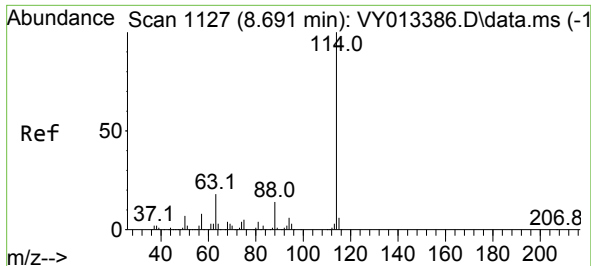
Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
69 64.8 29.2 43.8#
84 76.9 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 100.100 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

Tgt Ion: 65 Resp: 8648
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.4

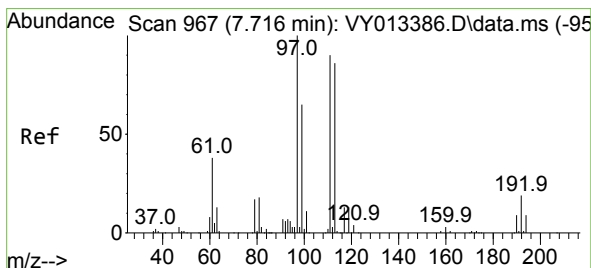
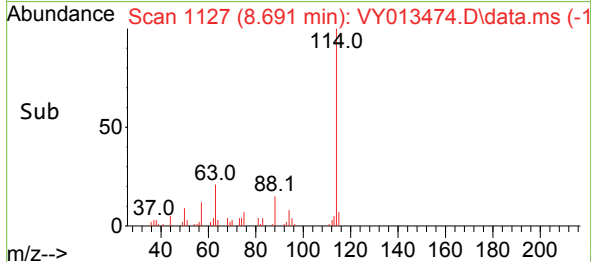
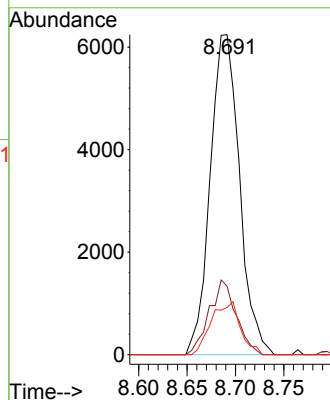
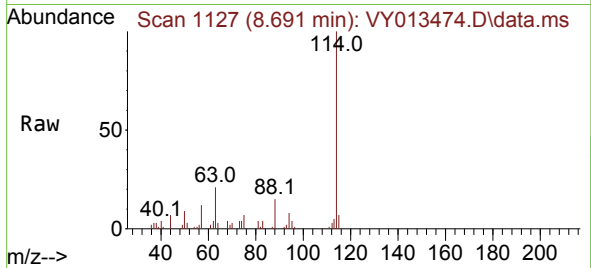




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

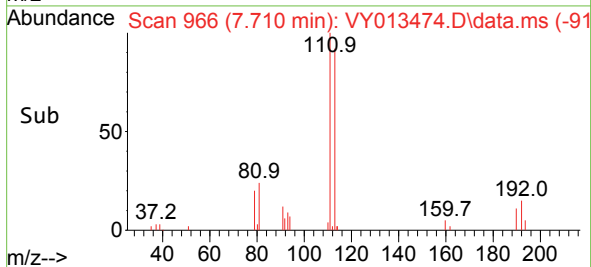
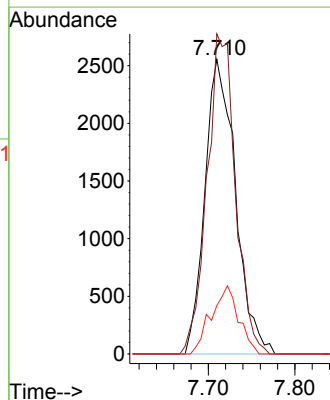
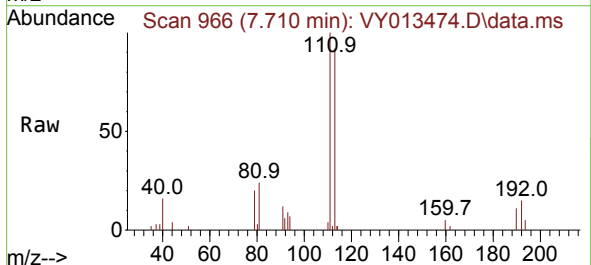
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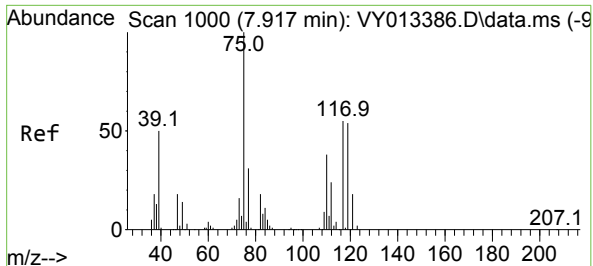
Tgt Ion:	114	Resp:	13152
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	36.6
88	14.8	0.0	28.8



#35
Dibromofluoromethane
Concen: 75.774 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013474.D
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Tgt Ion:	113	Resp:	6268
Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.2	123.2
192	20.7	16.7	25.1

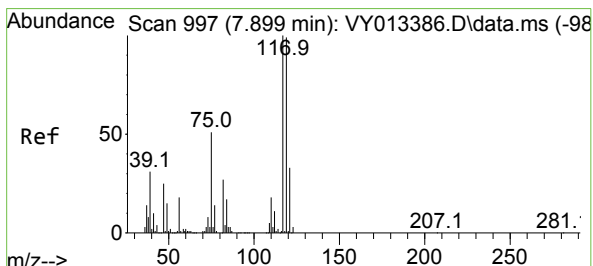
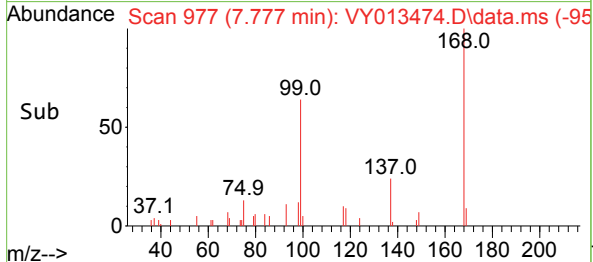
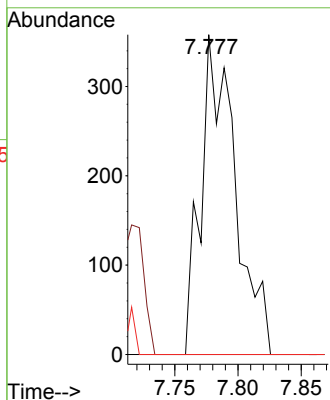
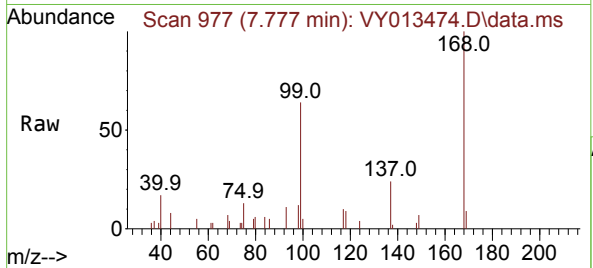




#36
1,1-Dichloropropene
Concen: 4.909 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

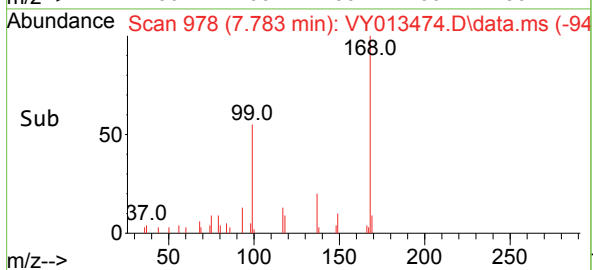
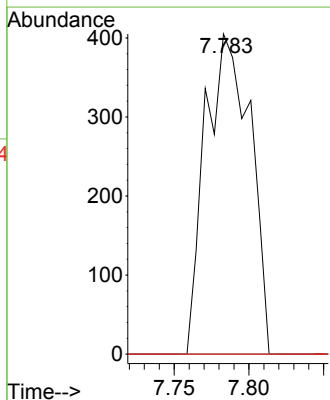
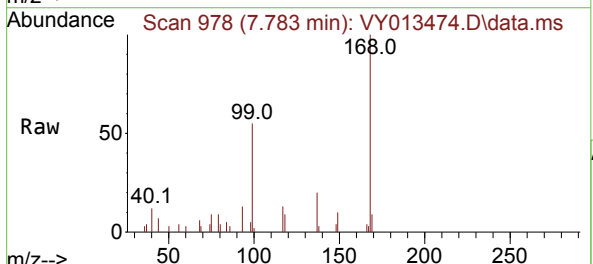
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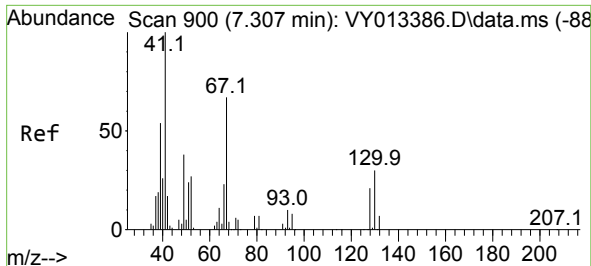
Tgt Ion: 75 Resp: 674
Ion Ratio Lower Upper
75 100
110 0.0 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.879 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

Tgt Ion: 117 Resp: 846
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#

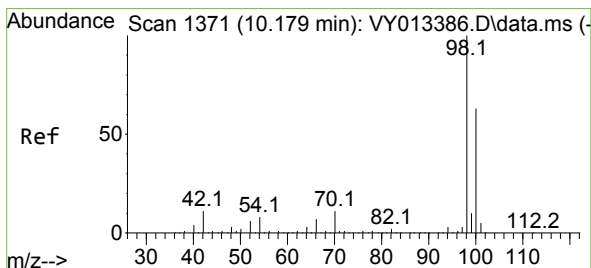
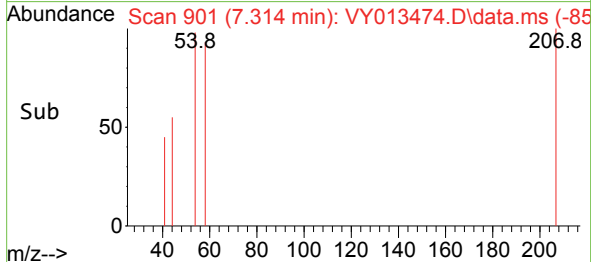
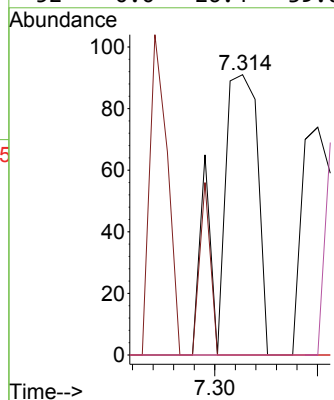
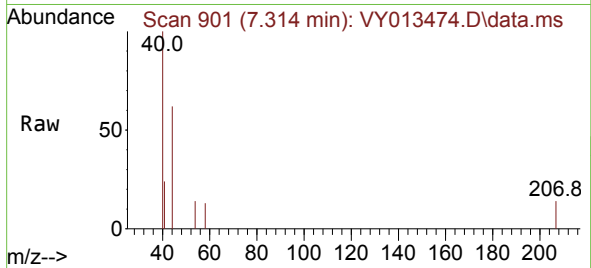




#41
Methacrylonitrile
Concen: 2.493 ug/l
RT: 7.314 min Scan# 901
Delta R.T. 0.007 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

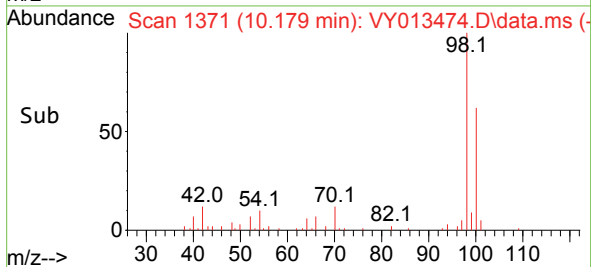
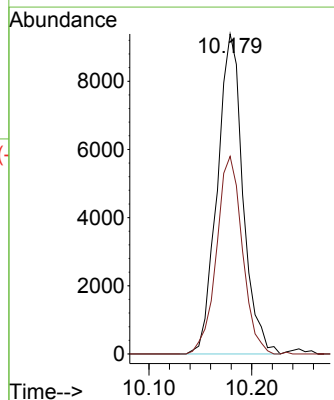
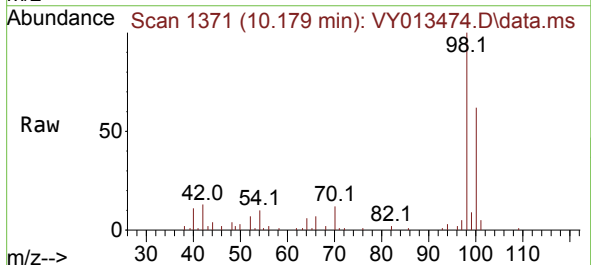
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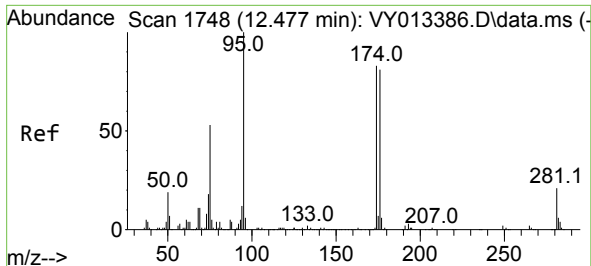
Tgt Ion: 41	Resp: 120
Ion Ratio	Lower Upper
41 100	
39 16.7	44.2 66.4#
67 0.0	62.9 94.3#
52 0.0	26.4 39.6#



#50
Toluene-d8
Concen: 55.347 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

Tgt Ion: 98	Resp: 16287
Ion Ratio	Lower Upper
98 100	
100 61.9	50.5 75.7

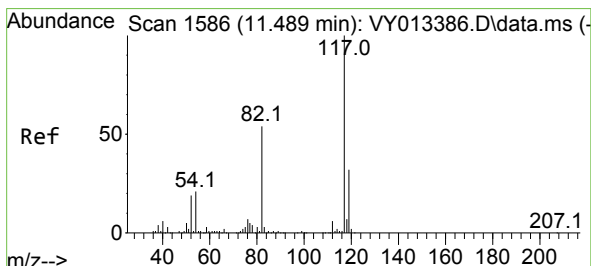
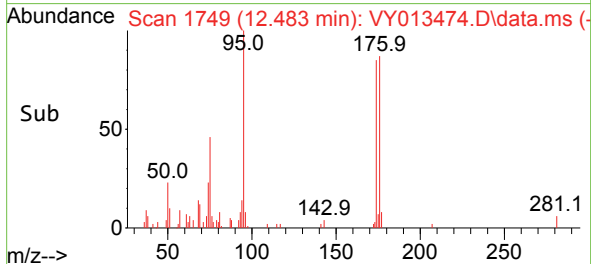
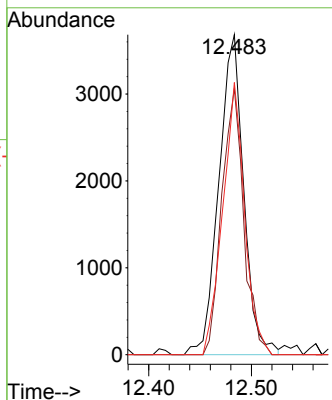
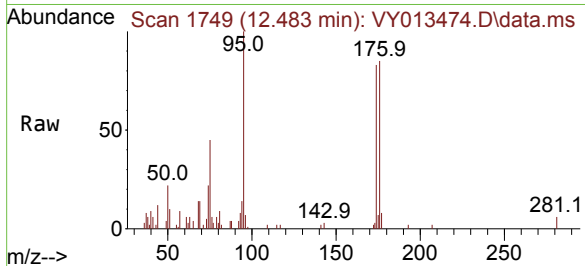




#62
4-Bromofluorobenzene
Concen: 62.235 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

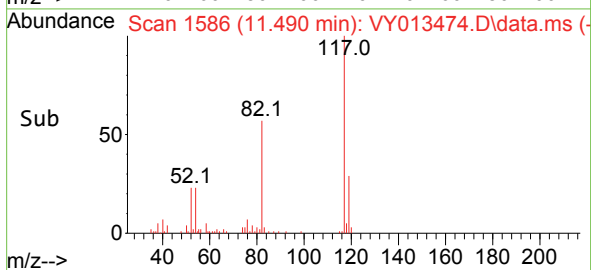
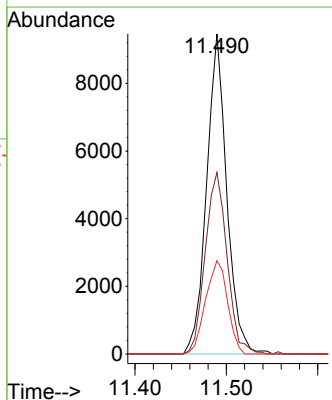
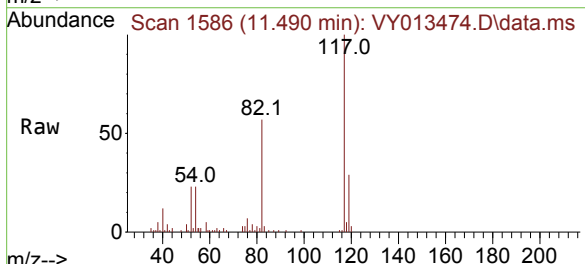
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-ST-&-BAY-AVE-INTERSECTION

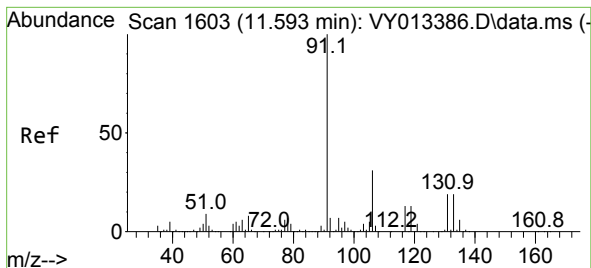
Tgt Ion: 95 Resp: 6174
Ion Ratio Lower Upper
95 100
174 73.7 0.0 182.0
176 75.0 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

Tgt Ion: 117 Resp: 14494
Ion Ratio Lower Upper
117 100
82 56.7 43.0 64.6
119 29.1 25.5 38.3





#67

Ethyl Benzene

Concen: 1.897 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013474.D

Acq: 26 Apr 2023 15:30

Instrument :

MSVOA_Y

ClientSampleId :

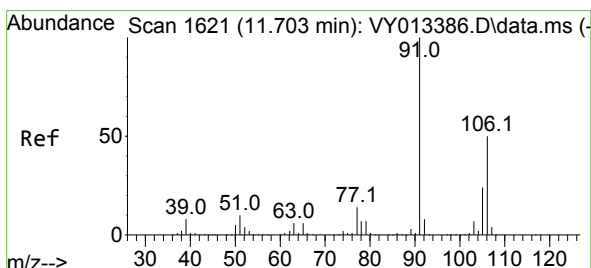
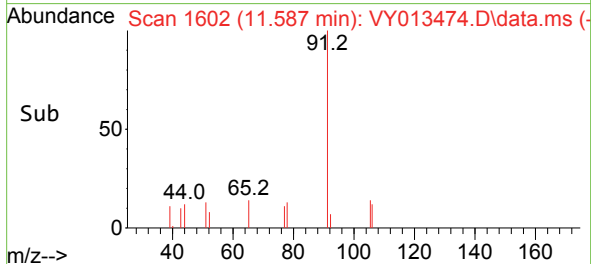
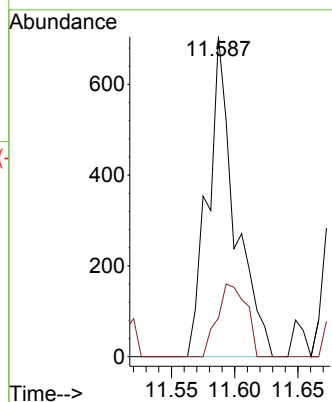
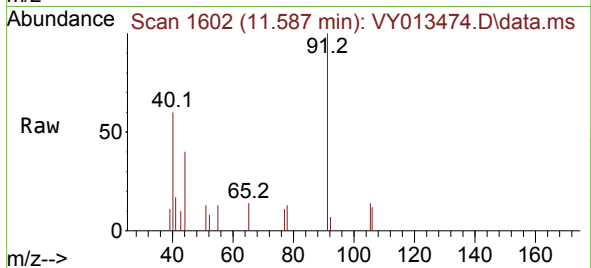
NORTH-ST-&-BAY-AVE-INTERSECTION

Tgt Ion: 91 Resp: 1052

Ion Ratio Lower Upper

91 100

106 12.1 25.1 37.7#



#68

m/p-Xylenes

Concen: 3.705 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY013474.D

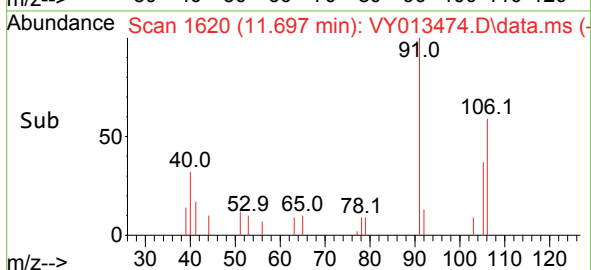
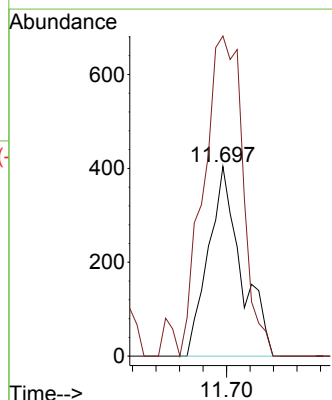
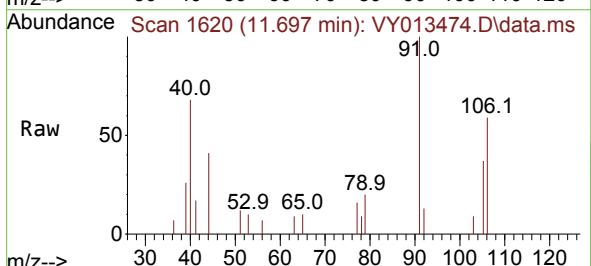
Acq: 26 Apr 2023 15:30

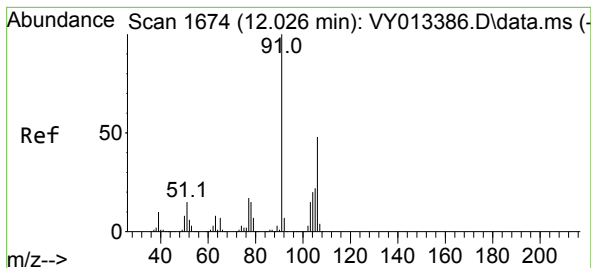
Tgt Ion:106 Resp: 781

Ion Ratio Lower Upper

106 100

91 202.3 160.9 241.3





#69

o-Xylene

Concen: 1.415 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013474.D

Acq: 26 Apr 2023 15:30

Instrument :

MSVOA_Y

ClientSampleId :

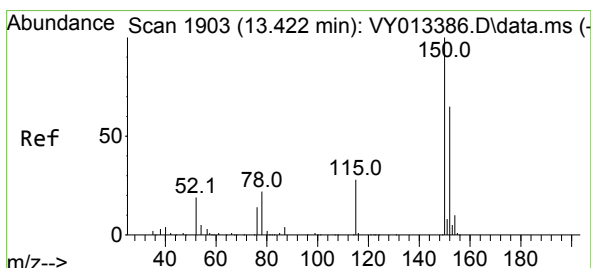
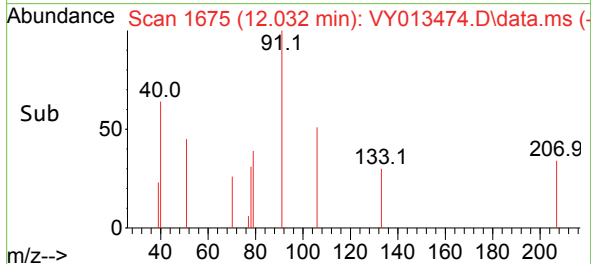
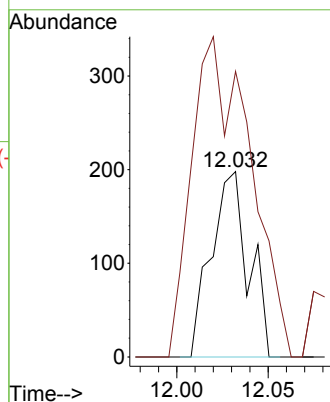
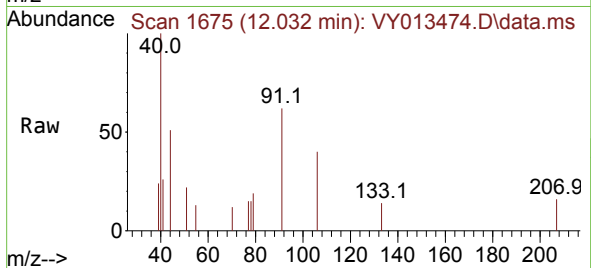
NORTH-ST-&-BAY-AVE-INTERSECTION

Tgt Ion:106 Resp: 282

Ion Ratio Lower Upper

106 100

91 269.1 105.5 316.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013474.D

Acq: 26 Apr 2023 15:30

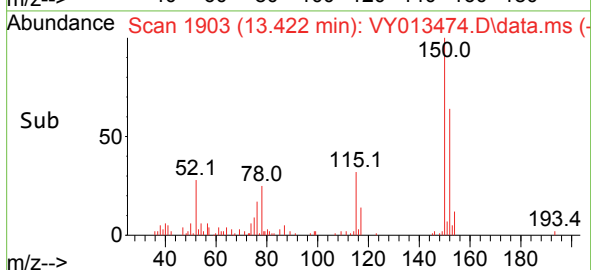
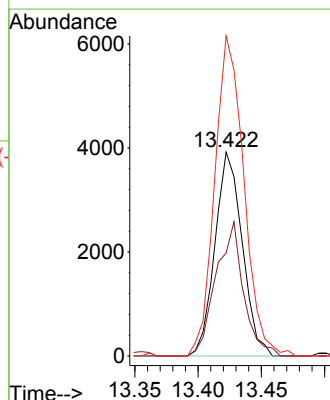
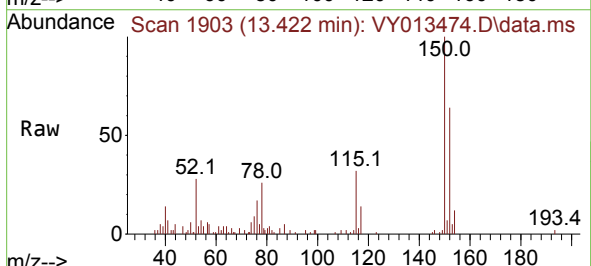
Tgt Ion:152 Resp: 5873

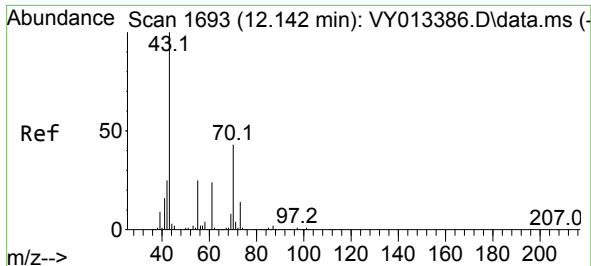
Ion Ratio Lower Upper

152 100

115 66.2 28.1 84.2

150 168.1 0.0 352.0

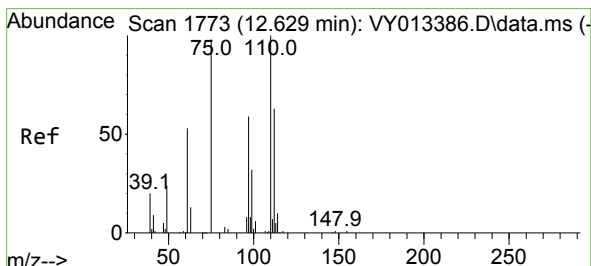
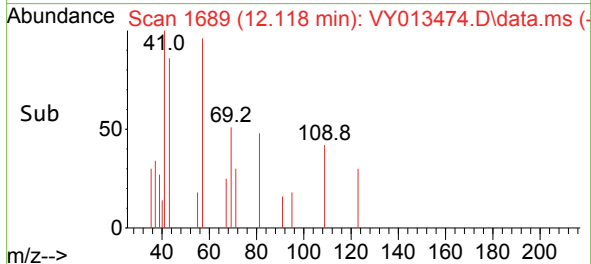
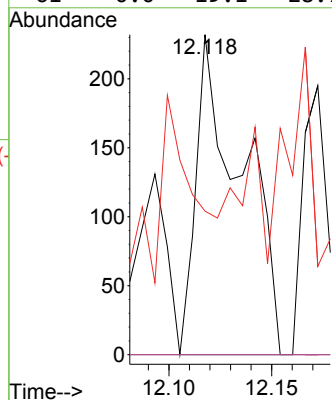
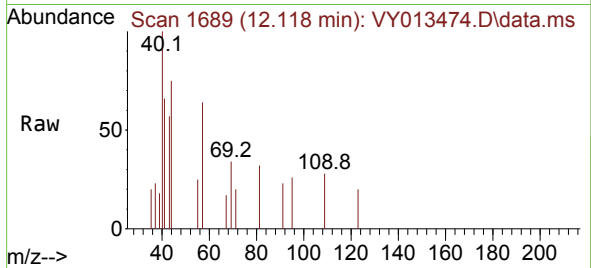




#74
N-amy1 acetate
Concen: 2.277 ug/l
RT: 12.118 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

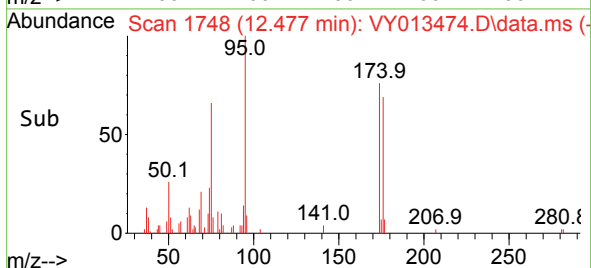
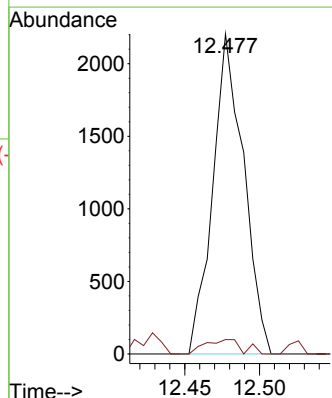
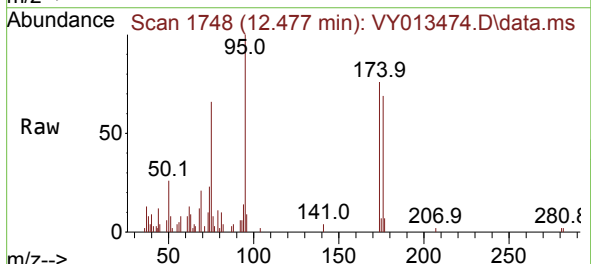
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-ST-&-BAY-AVE-INTERSECTION

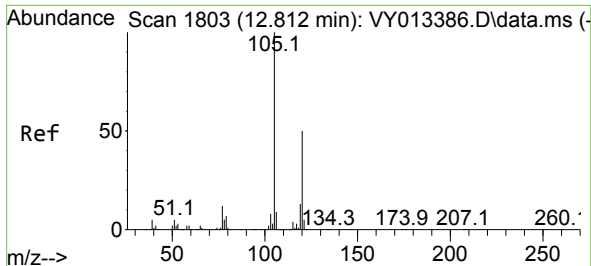
Tgt Ion: 43	Resp:	360
Ion Ratio	Lower	Upper
43	100	
70	0.0	33.0 49.4#
55	0.0	19.8 29.6#
61	0.0	19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 40.048 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

Tgt Ion: 75	Resp:	3172
Ion Ratio	Lower	Upper
75	100	
77	5.5	0.0 0.0#

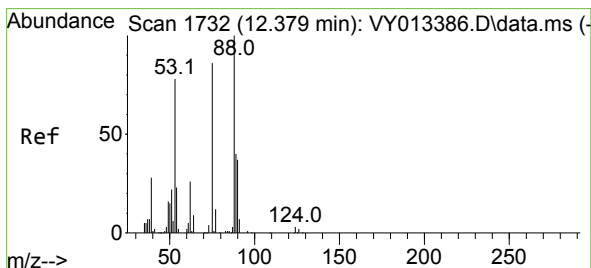
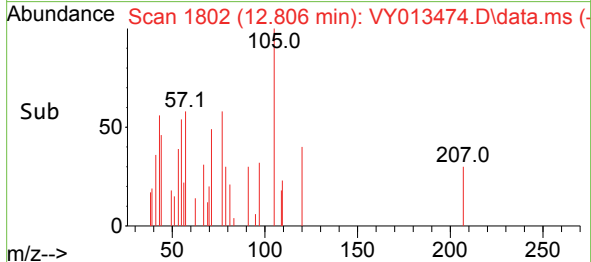
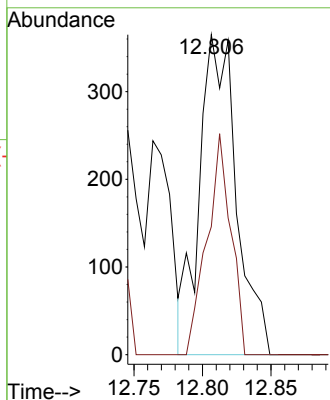
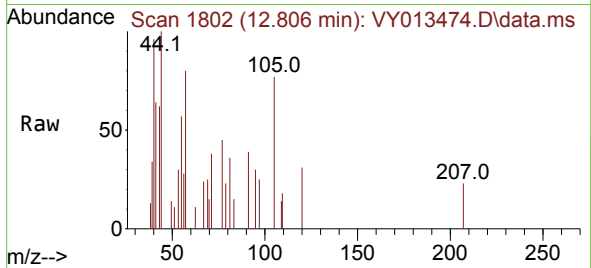




#80
1,3,5-Trimethylbenzene
Concen: 1.892 ug/l
RT: 12.806 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

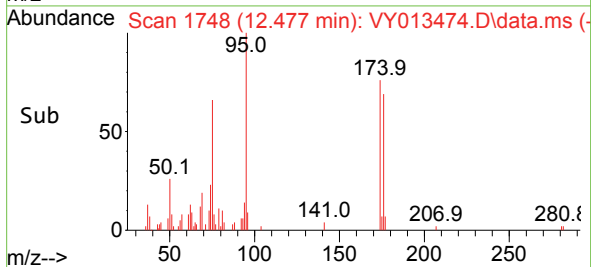
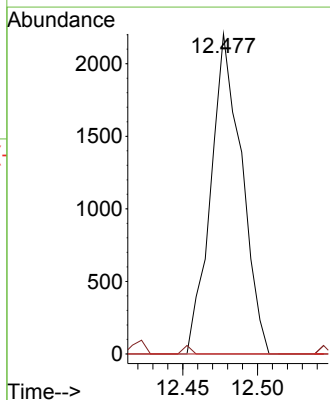
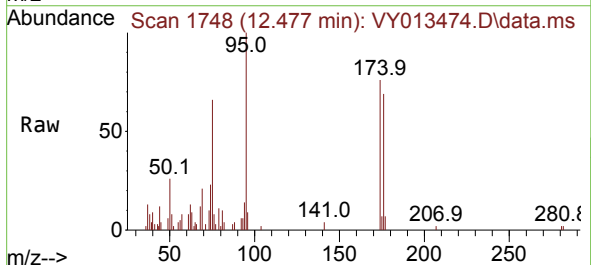
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-ST-&-BAY-AVE-INTERSECTION

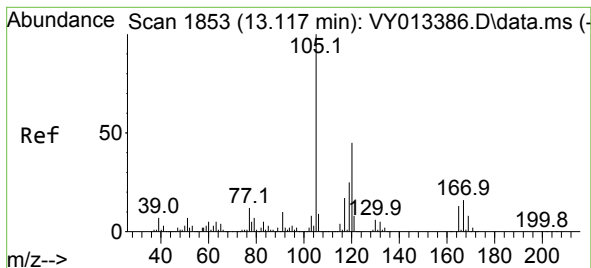
Tgt Ion:105 Resp: 686
Ion Ratio Lower Upper
105 100
120 44.5 24.7 74.1



#81
trans-1,4-Dichloro-2-butene
Concen: 81.921 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013474.D
Acq: 26 Apr 2023 15:30

Tgt Ion: 75 Resp: 3172
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#





#84

1,2,4-Trimethylbenzene

Concen: 4.806 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013474.D

Acq: 26 Apr 2023 15:30

Instrument :

MSVOA_Y

ClientSampleId :

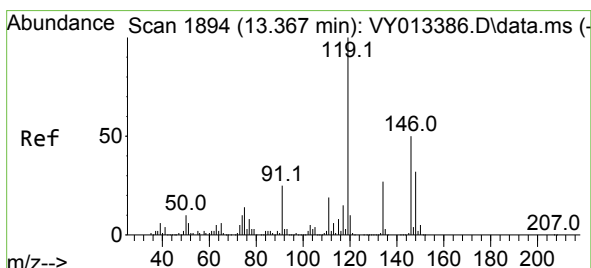
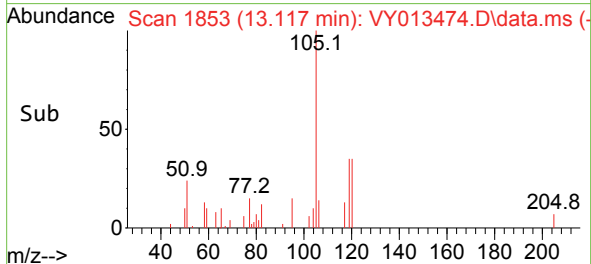
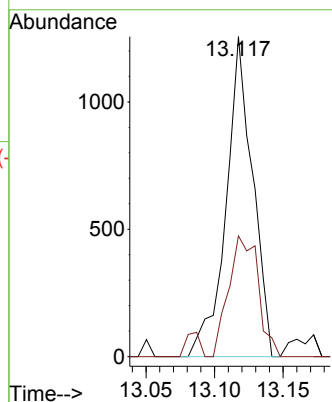
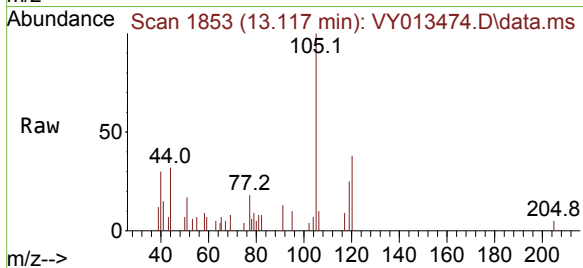
NORTH-ST-&-BAY-AVE-INTERSECTION

Tgt Ion:105 Resp: 1694

Ion Ratio Lower Upper

105 100

120 42.0 22.3 66.9



#87

1,3-Dichlorobenzene

Concen: 3.262 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.086 min

Lab File: VY013474.D

Acq: 26 Apr 2023 15:30

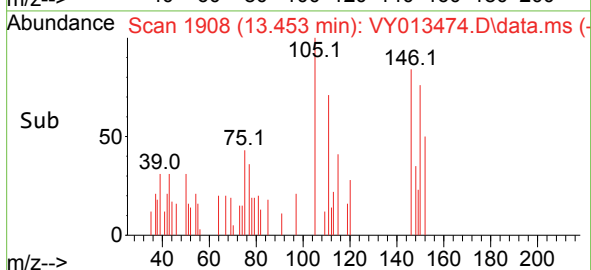
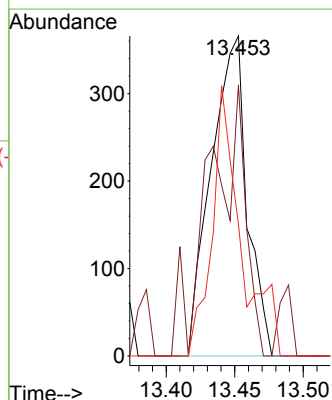
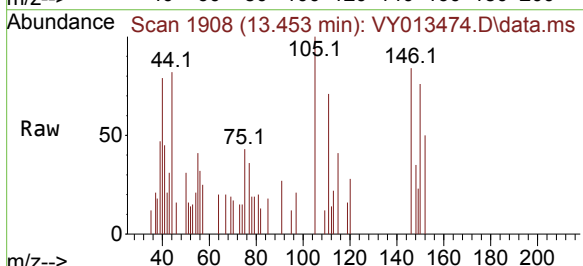
Tgt Ion:146 Resp: 669

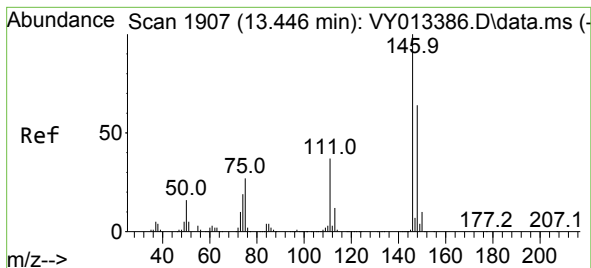
Ion Ratio Lower Upper

146 100

111 56.7 19.3 57.9

148 67.1 31.9 95.7





#88

1,4-Dichlorobenzene

Concen: 3.230 ug/l

RT: 13.453 min Scan# 1907

Delta R.T. 0.007 min

Lab File: VY013474.D

Acq: 26 Apr 2023 15:30

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-ST-&-BAY-AVE-INTERSECTION

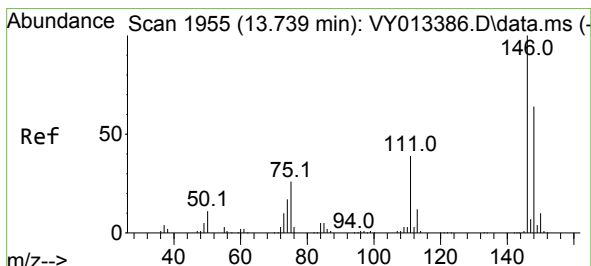
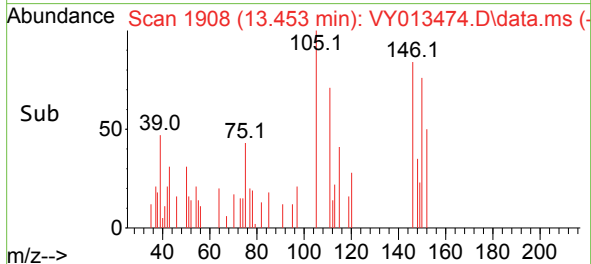
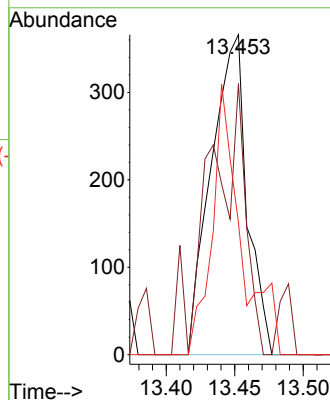
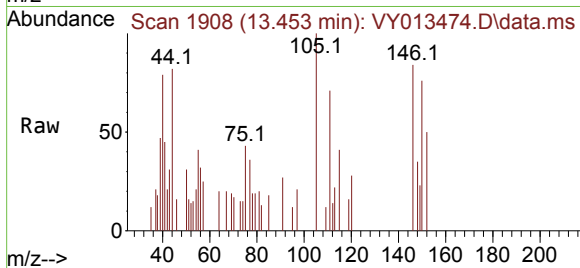
Tgt Ion:146 Resp: 669

Ion Ratio Lower Upper

146 100

111 56.7 18.9 56.5#

148 67.1 31.9 95.5



#91

1,2-Dichlorobenzene

Concen: 5.508 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013474.D

Acq: 26 Apr 2023 15:30

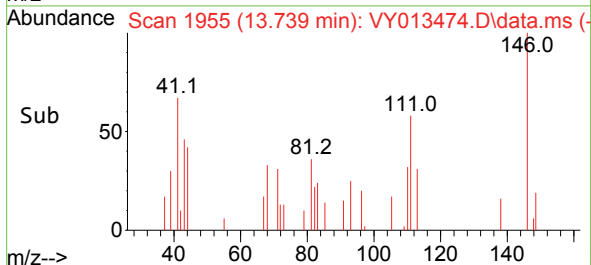
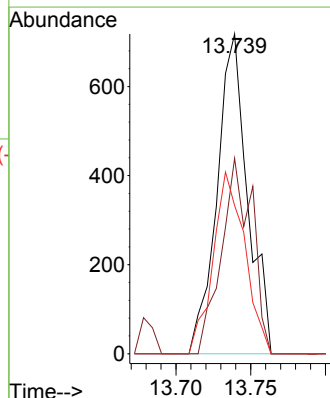
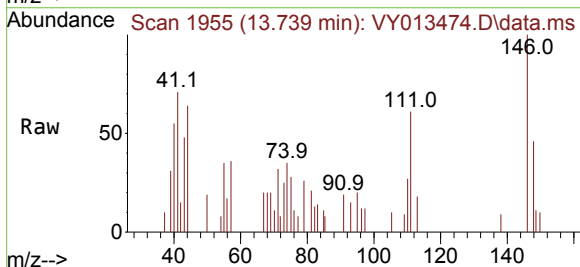
Tgt Ion:146 Resp: 1020

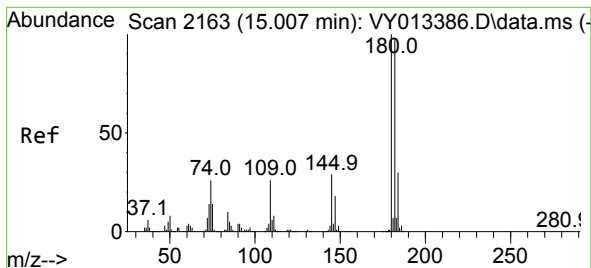
Ion Ratio Lower Upper

146 100

111 61.6 19.8 59.4#

148 58.9 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 2.237 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY013474.D

Acq: 26 Apr 2023 15:30

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-ST-&-BAY-AVE-INTERSECTION

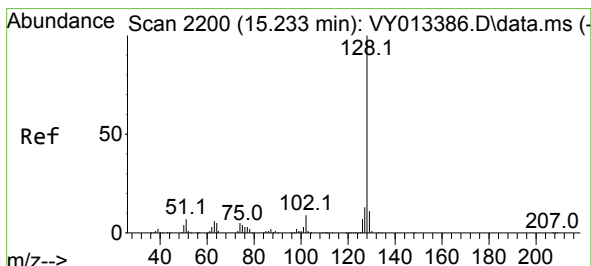
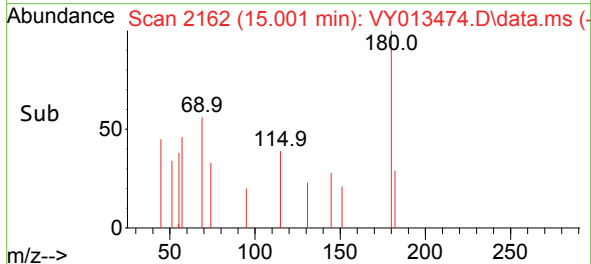
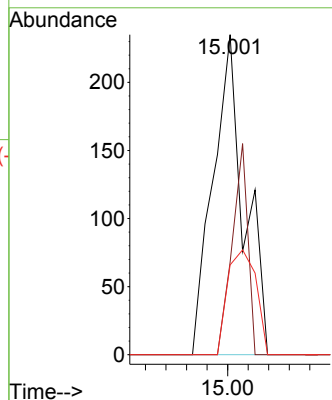
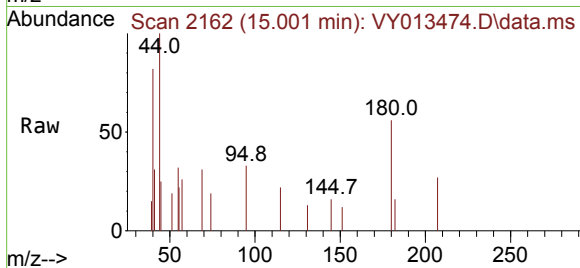
Tgt Ion:180 Resp: 247

Ion Ratio Lower Upper

180 100

182 33.2 48.5 145.5#

145 30.0 15.0 45.0



#95

Naphthalene

Concen: 3.657 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY013474.D

Acq: 26 Apr 2023 15:30

Tgt Ion:128 Resp: 876

Ion Ratio Lower Upper

128 100

127 16.4 10.7 16.1#

129 14.7 8.8 13.2#

