

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
 Data File : VY012067.D
 Acq On : 04 Jan 2023 13:37
 Operator : KP/MD
 Sample : 01008-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-1-010323

Quant Time: Jan 05 00:41:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

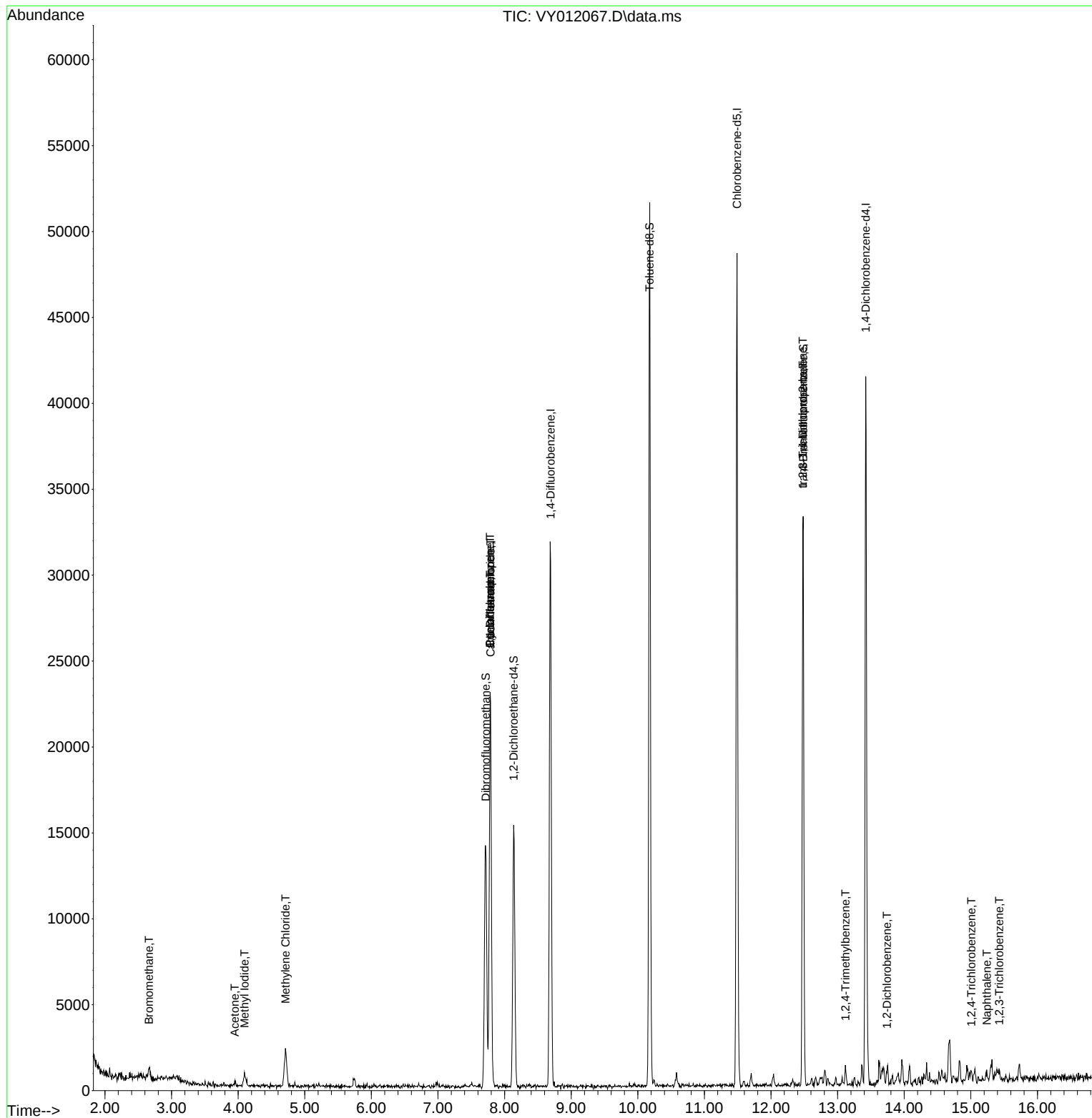
Internal Standards						
1) Pentafluorobenzene	7.783	168	18215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	29585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	27505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12082	65.838	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.680%			
35) Dibromofluoromethane	7.716	113	10130	56.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.740%			
50) Toluene-d8	10.179	98	34676	47.986	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.980%			
62) 4-Bromofluorobenzene	12.483	95	10192	41.936	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.880%			
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	423	3.326	ug/l	81
10) Methyl Iodide	4.094	142	1027	4.308	ug/l #	89
16) Acetone	3.948	43	347	11.084	ug/l	94
20) Methylene Chloride	4.710	84	1577	1.640	ug/l	98
31) Cyclohexane	7.783	56	337	1.091	ug/l #	68
36) 1,1-Dichloropropene	7.783	75	1213	4.246	ug/l #	49
38) Carbon Tetrachloride	7.789	117	1800	5.455	ug/l #	21
76) 1,2,3-Trichloropropane	12.477	75	5091	34.286	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5091	93.892	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	852	1.142	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	363	1.011	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	250	1.183	ug/l	81
95) Naphthalene	15.239	128	772	4.437	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	304	1.702	ug/l	73

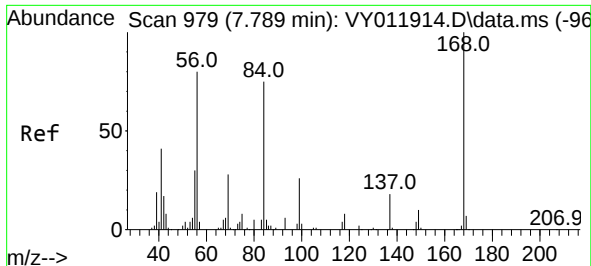
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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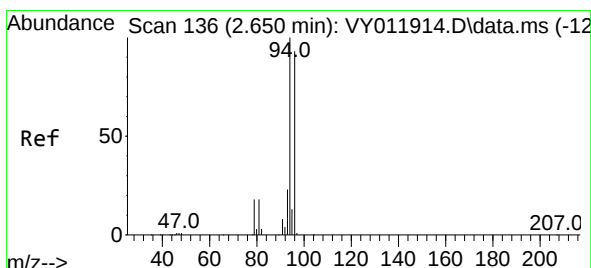
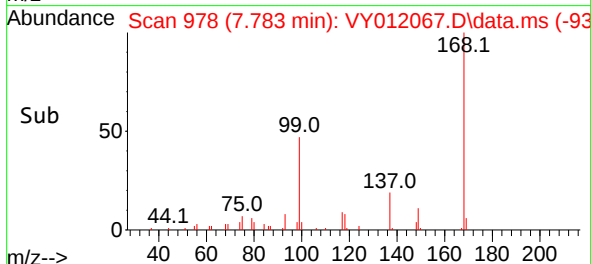
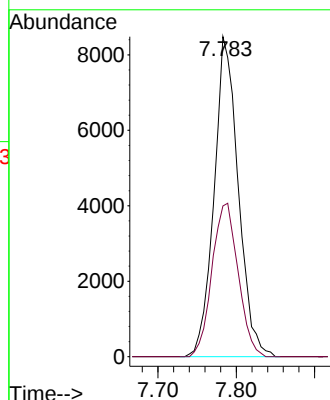
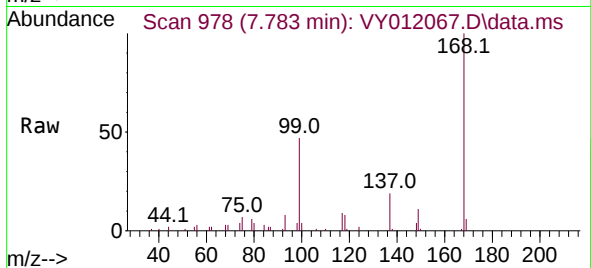




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

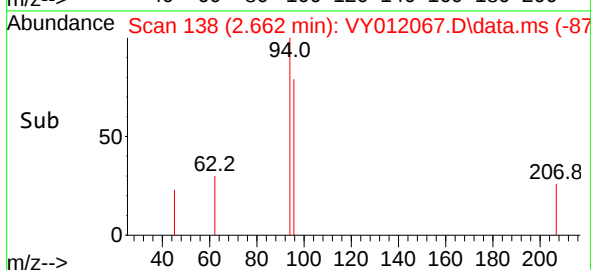
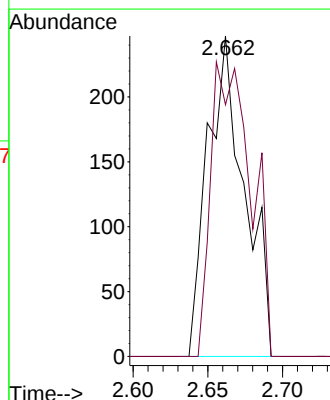
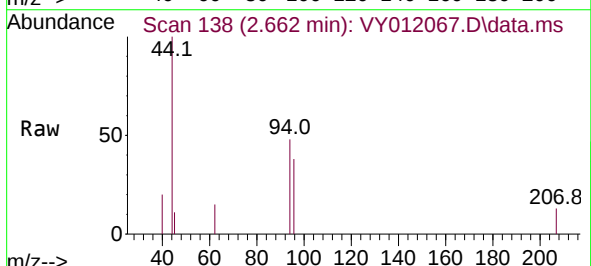
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323

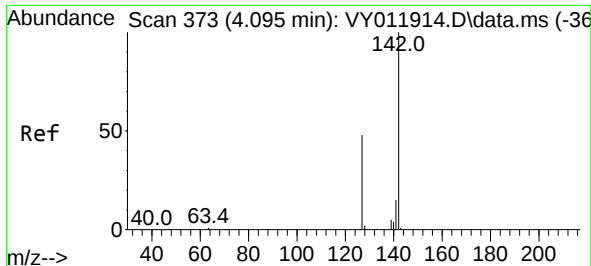
Tgt Ion:168 Resp: 18215
Ion Ratio Lower Upper
168 100
99 47.1 44.0 66.0



#5
Bromomethane
Concen: 3.326 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

Tgt Ion: 94 Resp: 423
Ion Ratio Lower Upper
94 100
96 78.5 77.4 116.2

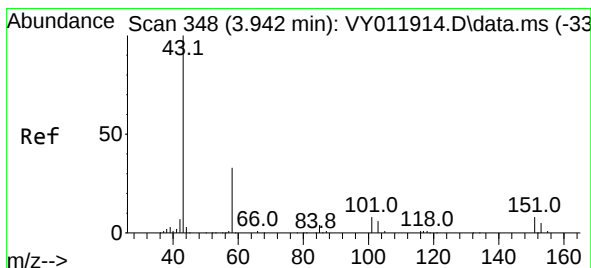
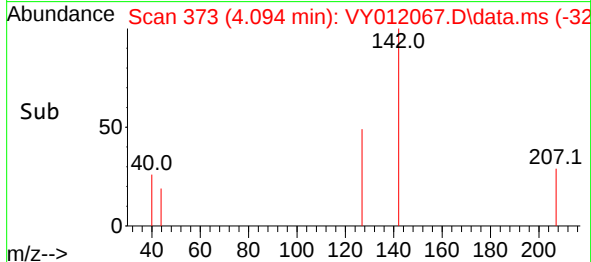
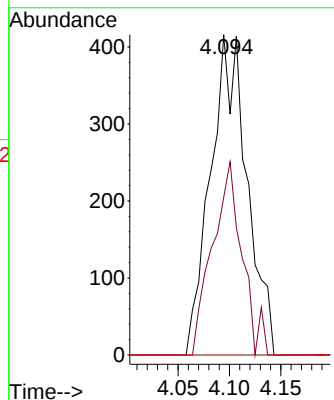
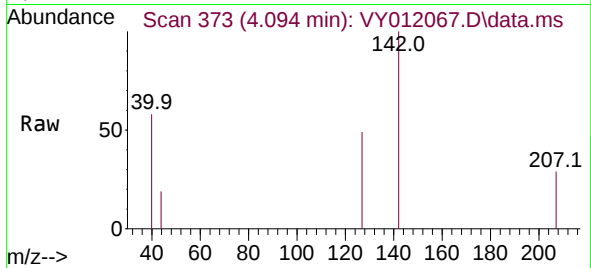




#10
Methyl Iodide
Concen: 4.308 ug/l
RT: 4.094 min Scan# 31
Delta R.T. -0.001 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

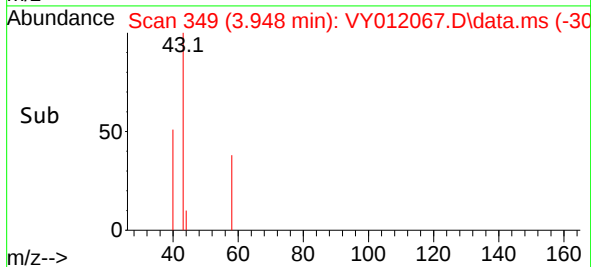
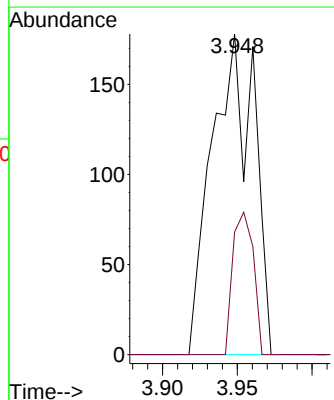
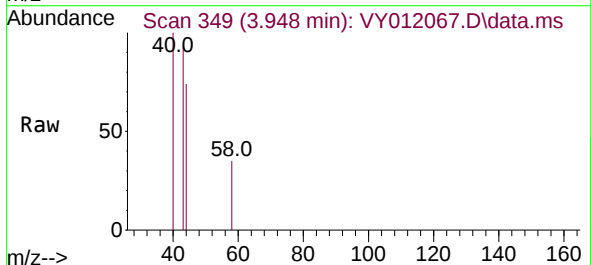
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323

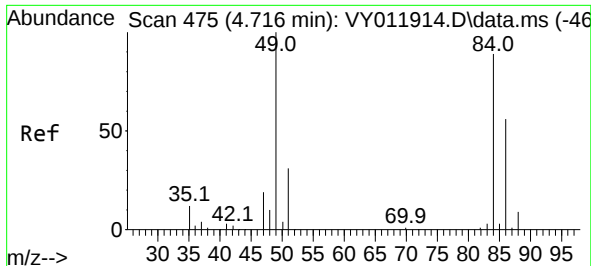
Tgt Ion:142 Resp: 1027
Ion Ratio Lower Upper
142 100
127 48.9 37.0 55.4
141 0.0 11.4 17.0#



#16
Acetone
Concen: 11.084 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

Tgt Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
58 38.2 27.9 41.9



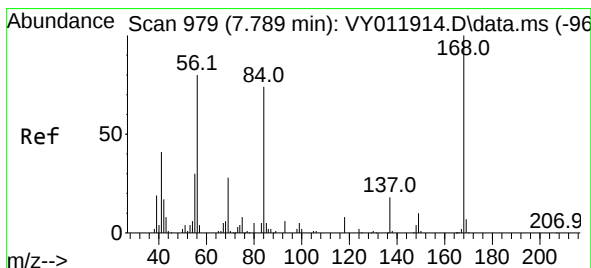
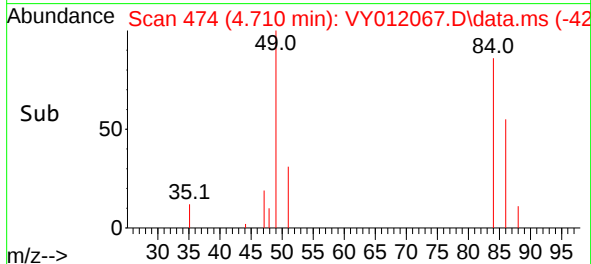
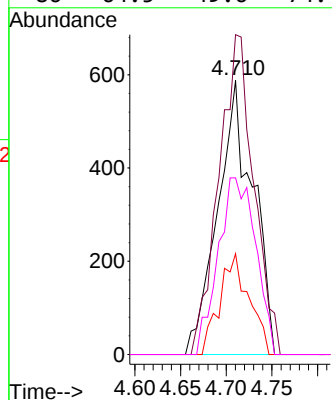
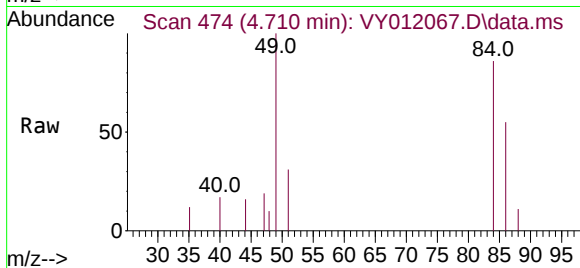


#20
Methylene Chloride
Concen: 1.640 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323

Tgt Ion: 84 Resp: 1577

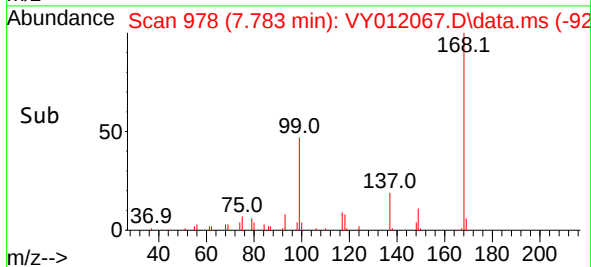
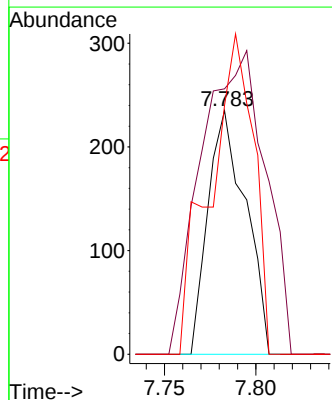
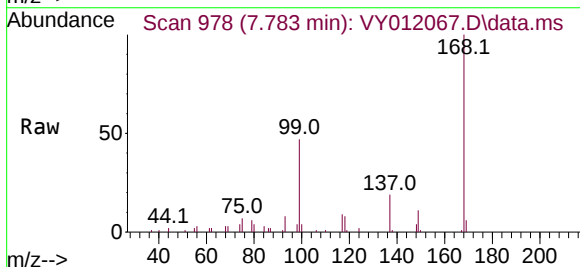
Ion	Ratio	Lower	Upper
84	100		
49	116.7	95.4	143.2
51	36.7	29.9	44.9
86	64.5	49.6	74.4

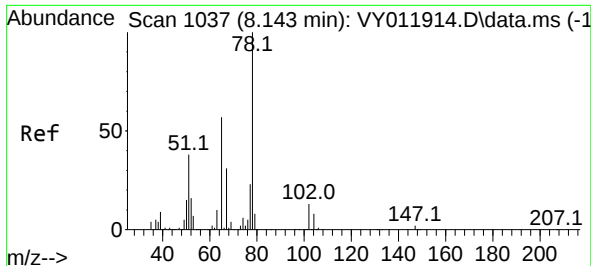


#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

Tgt Ion: 56 Resp: 337

Ion	Ratio	Lower	Upper
56	100		
69	84.3	29.2	43.8#
84	102.1	72.6	108.8





#33

1,2-Dichloroethane-d4

Concen: 65.838 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY012067.D

Acq: 04 Jan 2023 13:37

Instrument :

MSVOA_Y

ClientSampleId :

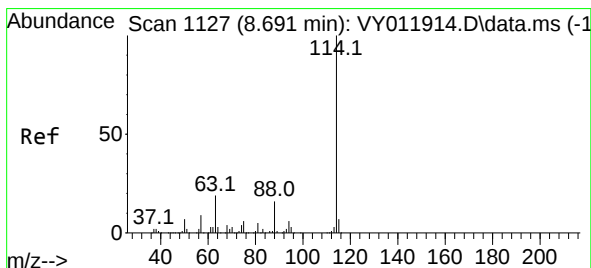
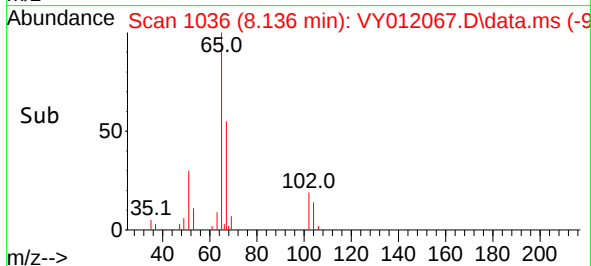
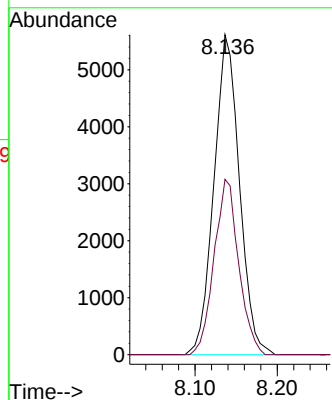
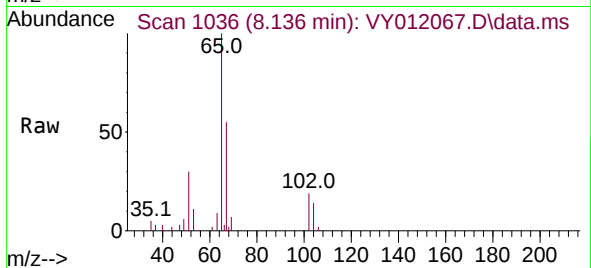
EO-1-010323

Tgt Ion: 65 Resp: 12082

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012067.D

Acq: 04 Jan 2023 13:37

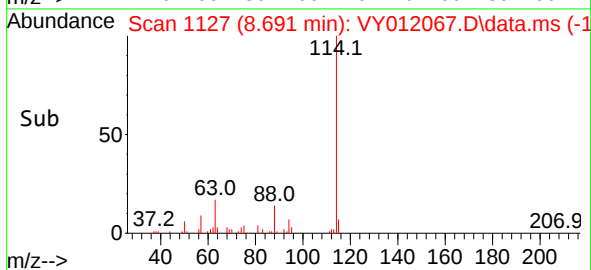
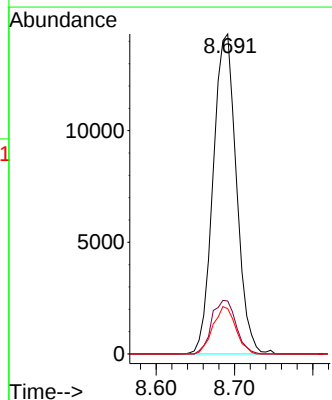
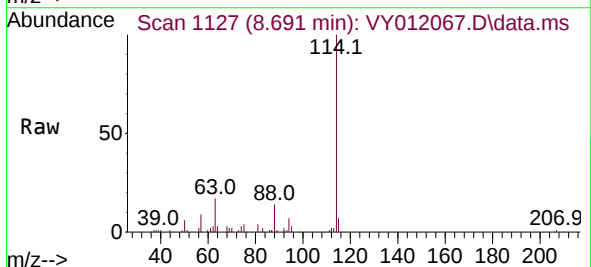
Tgt Ion:114 Resp: 29585

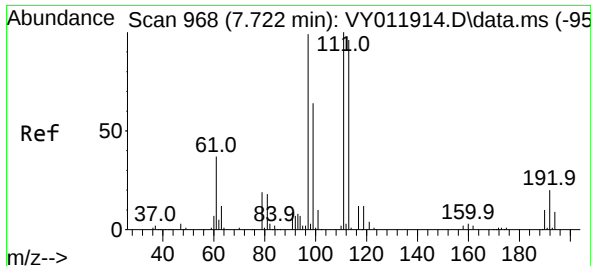
Ion Ratio Lower Upper

114 100

63 16.5 0.0 39.6

88 14.2 0.0 32.2

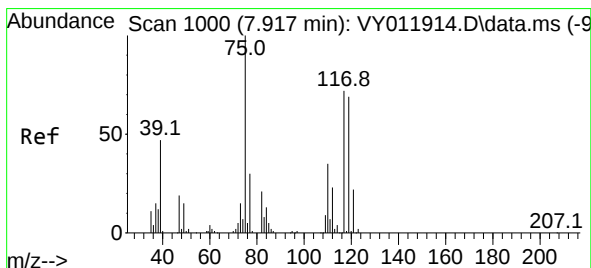
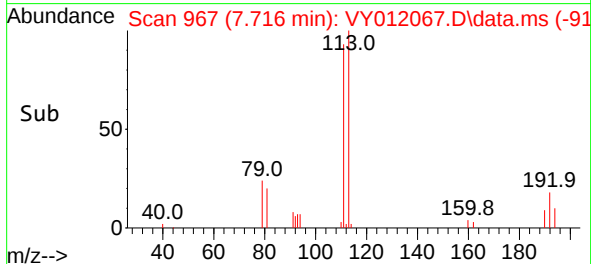
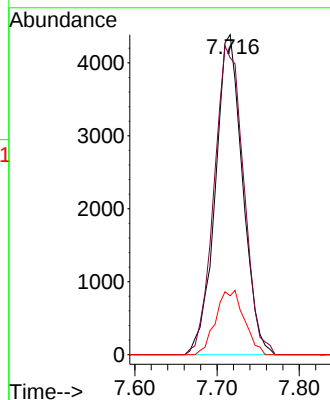
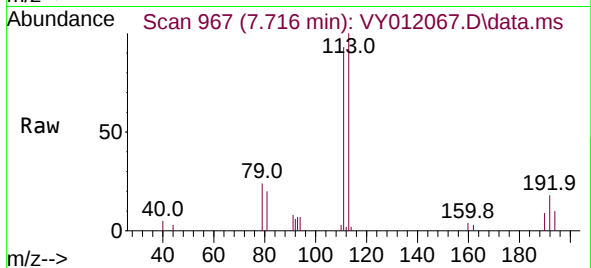




#35
Dibromofluoromethane
Concen: 56.875 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

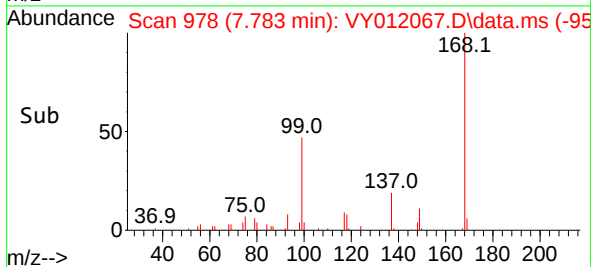
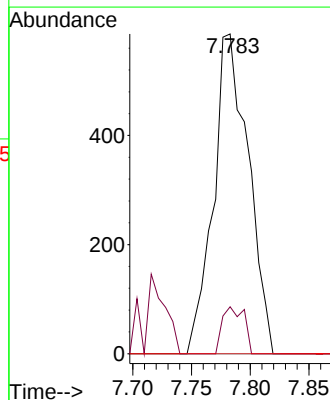
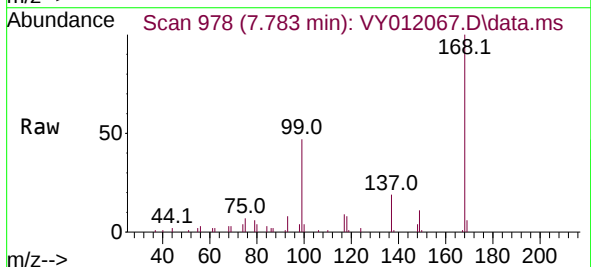
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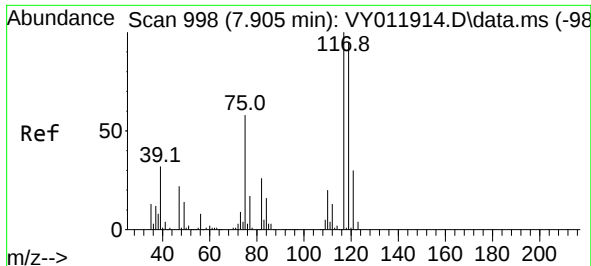
Tgt Ion:113 Resp: 10130
Ion Ratio Lower Upper
113 100
111 104.2 83.0 124.4
192 20.9 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.246 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

Tgt Ion: 75 Resp: 1213
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.1#
77 0.0 25.1 37.7#

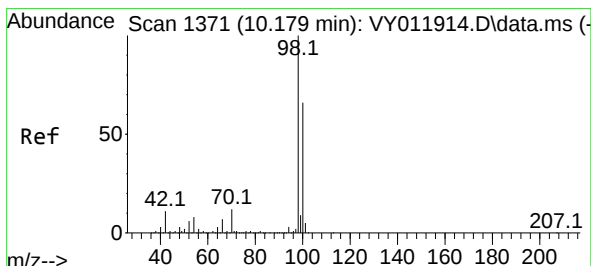
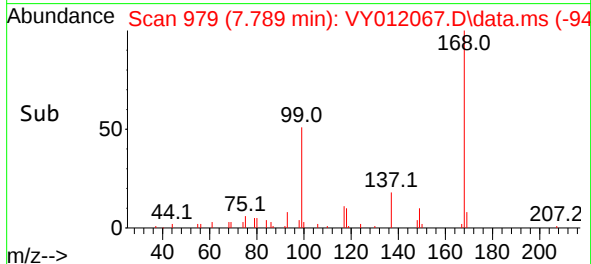
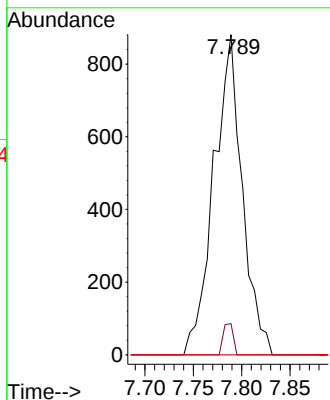
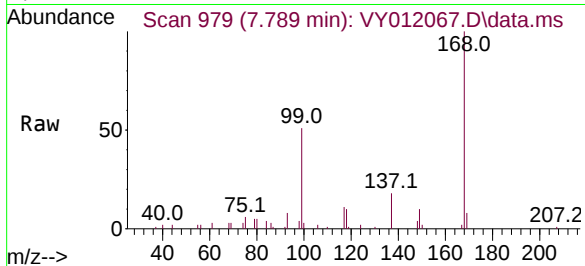




#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

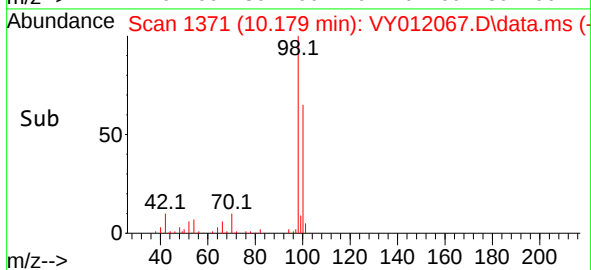
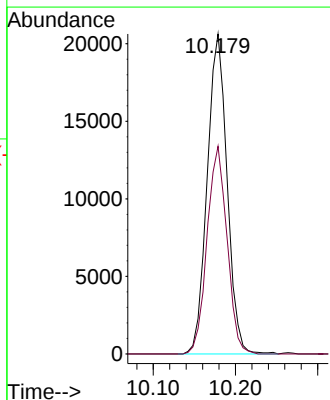
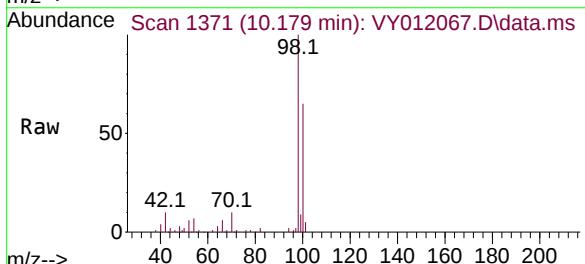
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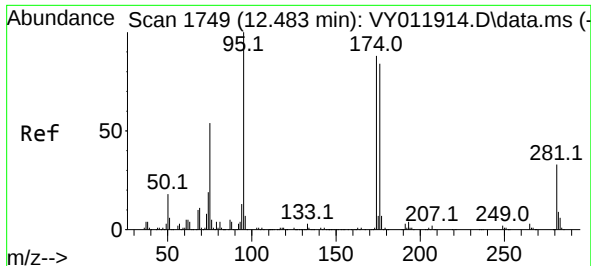
Tgt Ion:117 Resp: 1800
Ion Ratio Lower Upper
117 100
119 9.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 47.986 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

Tgt Ion: 98 Resp: 34676
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 41.936 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012067.D

Acq: 04 Jan 2023 13:37

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-010323

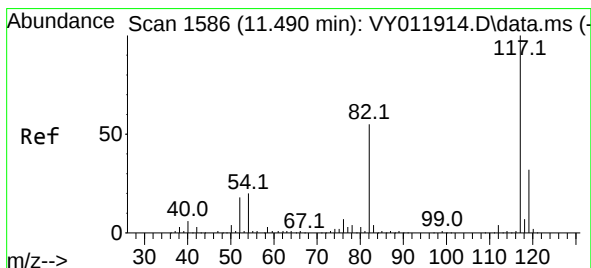
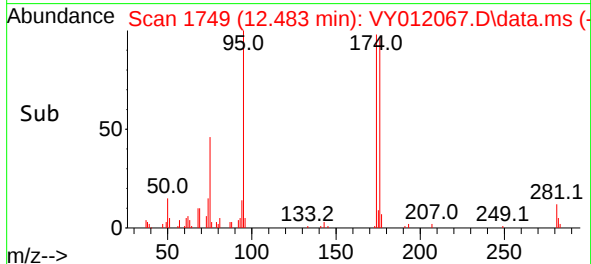
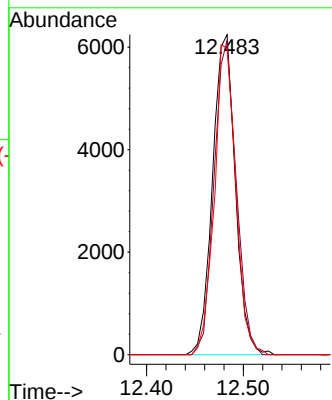
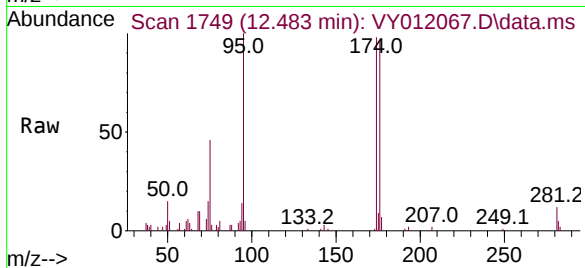
Tgt Ion: 95 Resp: 10192

Ion Ratio Lower Upper

95 100

174 95.5 0.0 172.0

176 91.9 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY012067.D

Acq: 04 Jan 2023 13:37

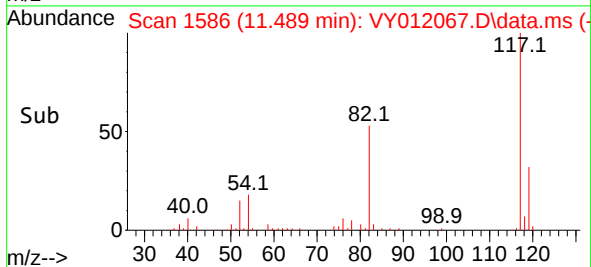
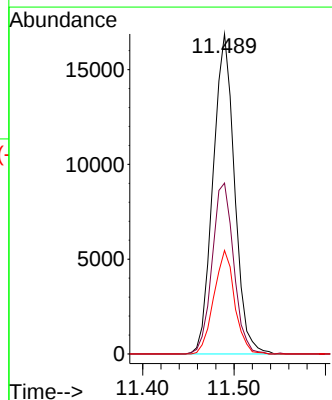
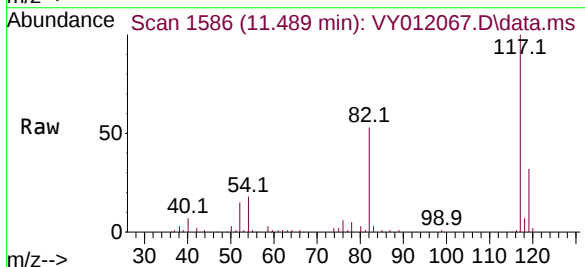
Tgt Ion: 117 Resp: 27505

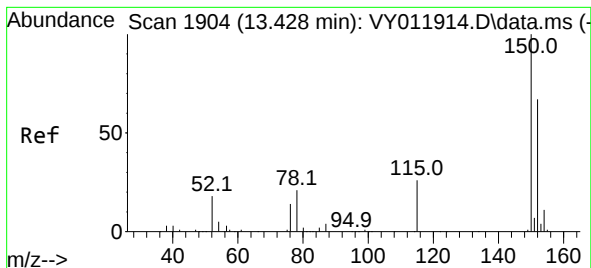
Ion Ratio Lower Upper

117 100

82 53.4 44.8 67.2

119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY012067.D

Acq: 04 Jan 2023 13:37

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-010323

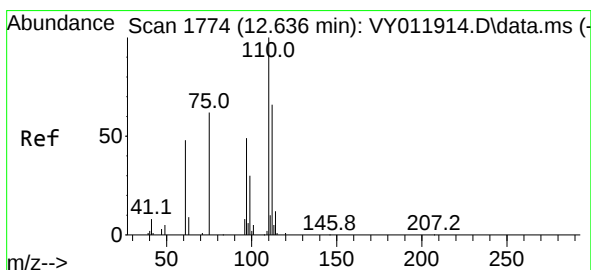
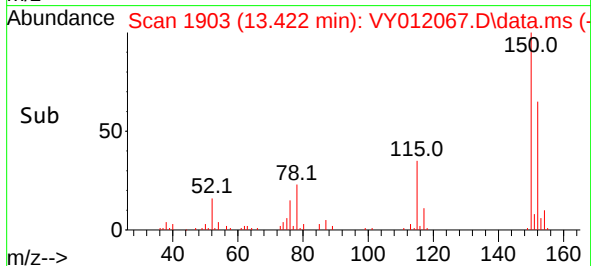
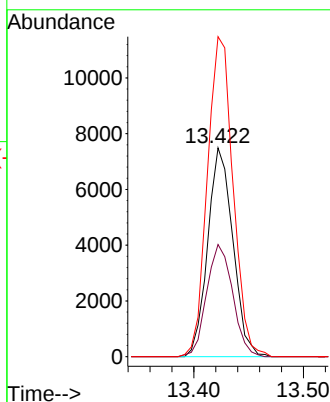
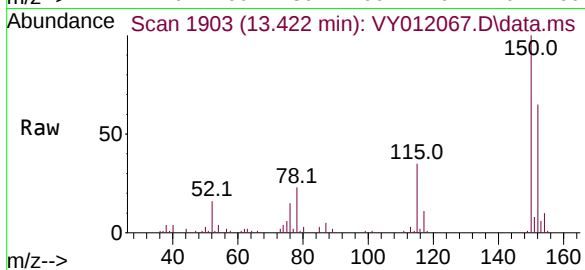
Tgt Ion:152 Resp: 11933

Ion Ratio Lower Upper

152 100

115 55.6 29.1 87.3

150 156.7 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 34.286 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY012067.D

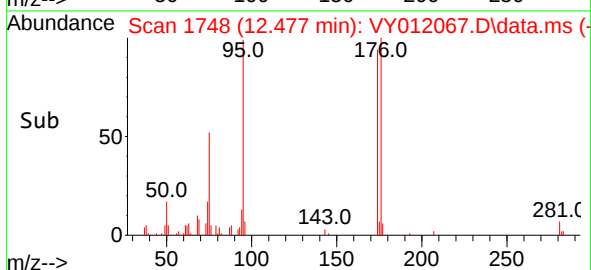
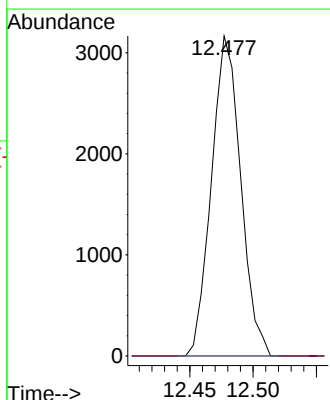
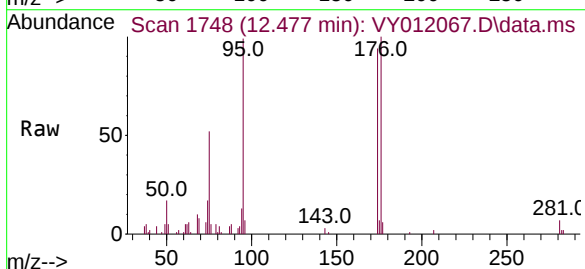
Acq: 04 Jan 2023 13:37

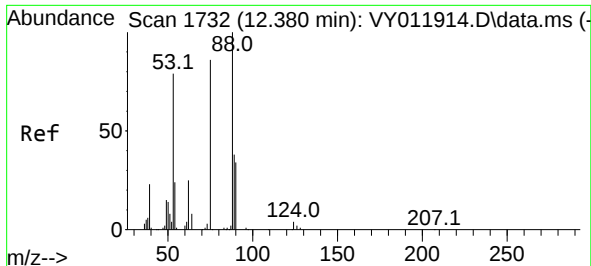
Tgt Ion: 75 Resp: 5091

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

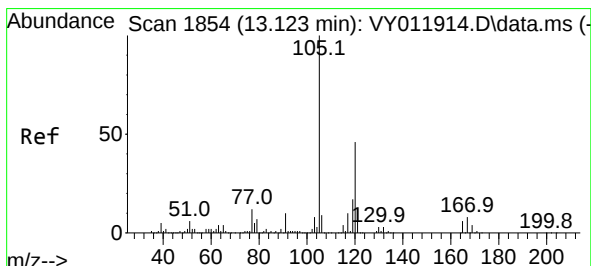
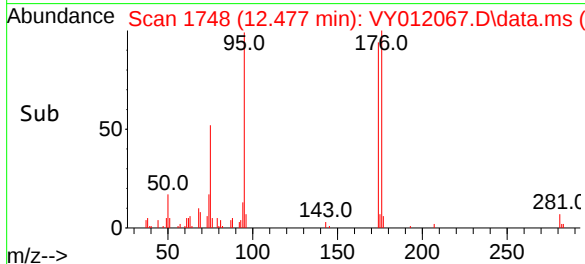
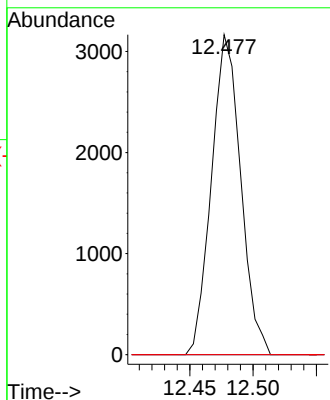
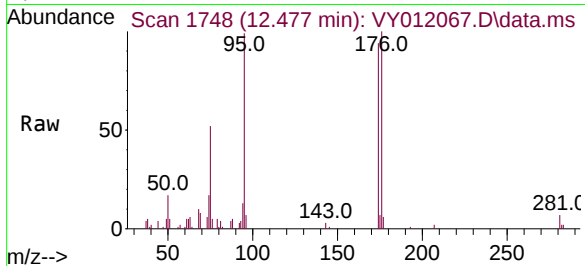




#81
trans-1,4-Dichloro-2-butene
Concen: 93.892 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

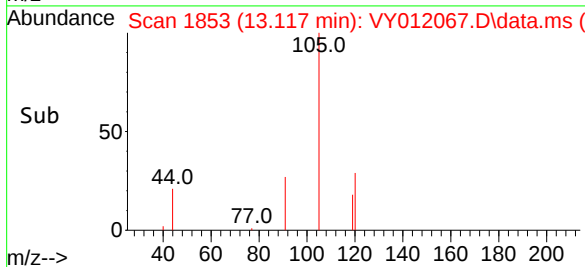
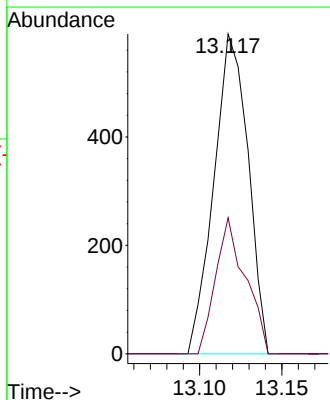
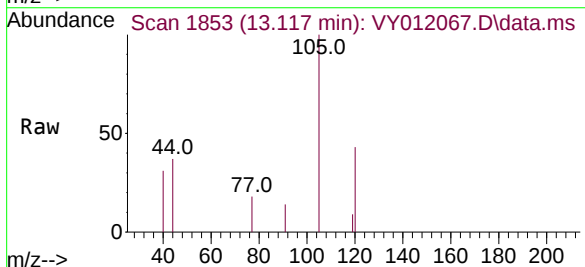
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323

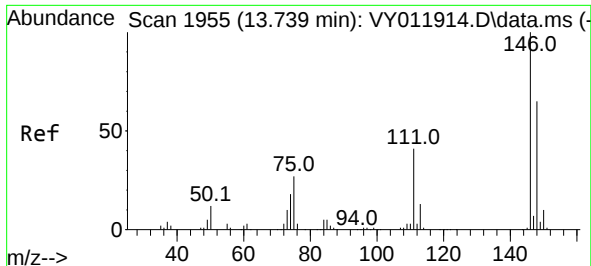
Tgt Ion: 75 Resp: 5091
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.142 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY012067.D
Acq: 04 Jan 2023 13:37

Tgt Ion: 105 Resp: 852
Ion Ratio Lower Upper
105 100
120 37.2 22.9 68.7





#91

1,2-Dichlorobenzene

Concen: 1.011 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY012067.D

Acq: 04 Jan 2023 13:37

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-010323

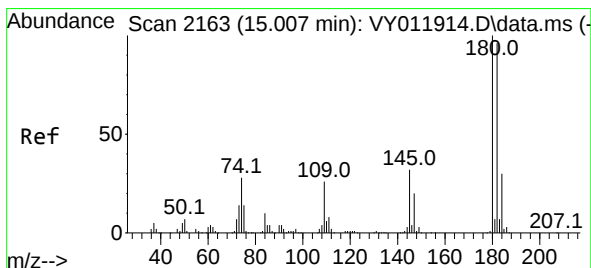
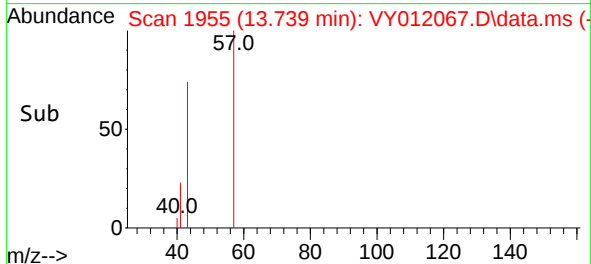
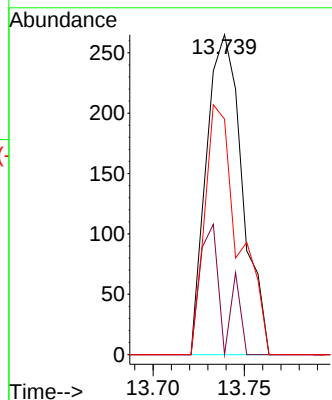
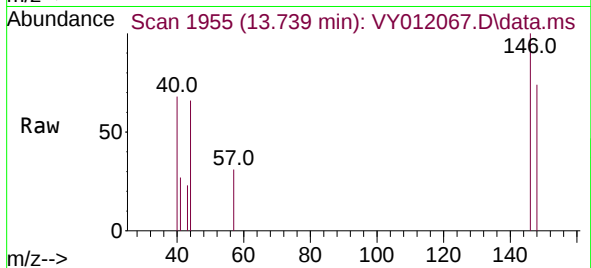
Tgt Ion:146 Resp: 363

Ion Ratio Lower Upper

146 100

111 26.7 20.3 60.8

148 73.6 31.8 95.4



#93

1,2,4-Trichlorobenzene

Concen: 1.183 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY012067.D

Acq: 04 Jan 2023 13:37

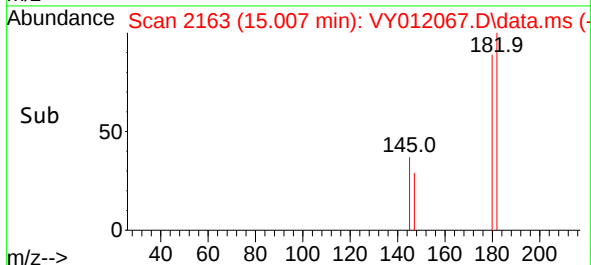
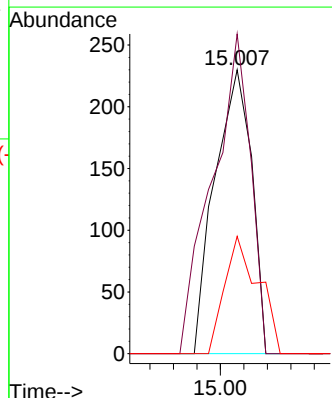
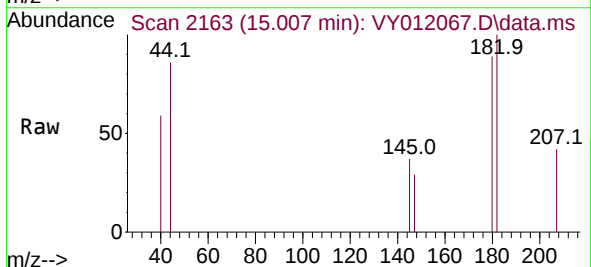
Tgt Ion:180 Resp: 250

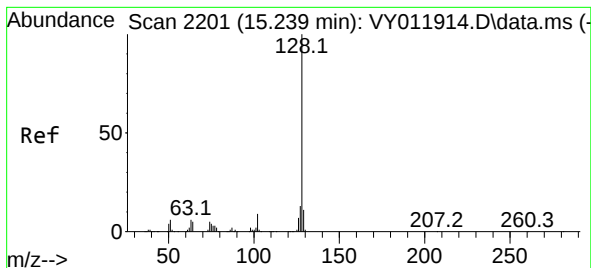
Ion Ratio Lower Upper

180 100

182 116.4 48.1 144.3

145 38.0 15.4 46.4





#95

Naphthalene

Concen: 4.437 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY012067.D

Acq: 04 Jan 2023 13:37

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-010323

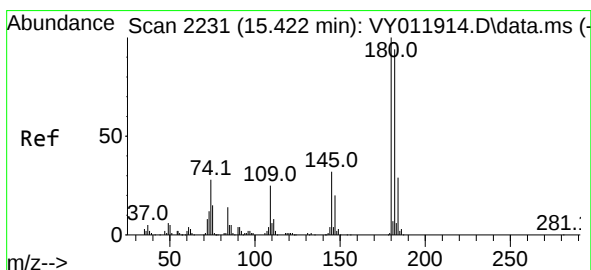
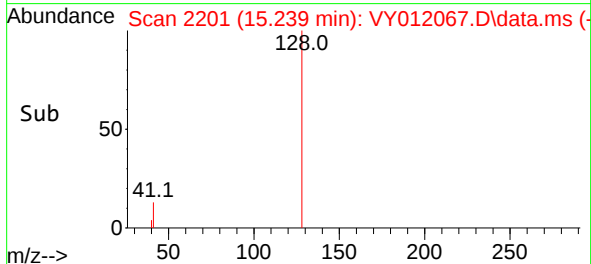
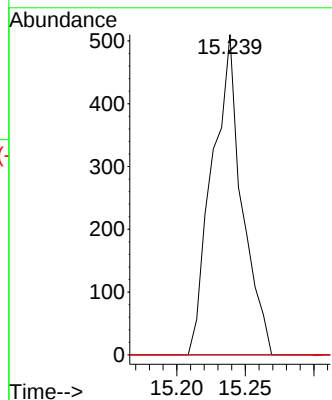
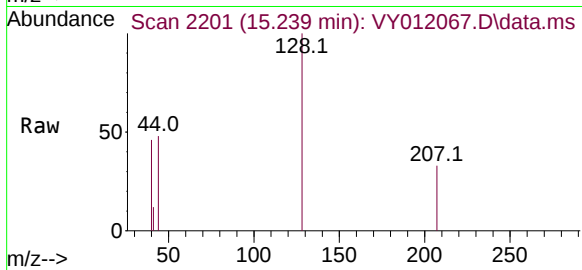
Tgt Ion:128 Resp: 772

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 1.702 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY012067.D

Acq: 04 Jan 2023 13:37

Tgt Ion:180 Resp: 304

Ion Ratio Lower Upper

180 100

182 129.3 47.9 143.7

145 30.3 16.1 48.2

