

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010523\
 Data File : VY012078.D
 Acq On : 05 Jan 2023 16:27
 Operator : KP/MD
 Sample : 01008-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-1-010323RE

Quant Time: Jan 05 23:19:49 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)

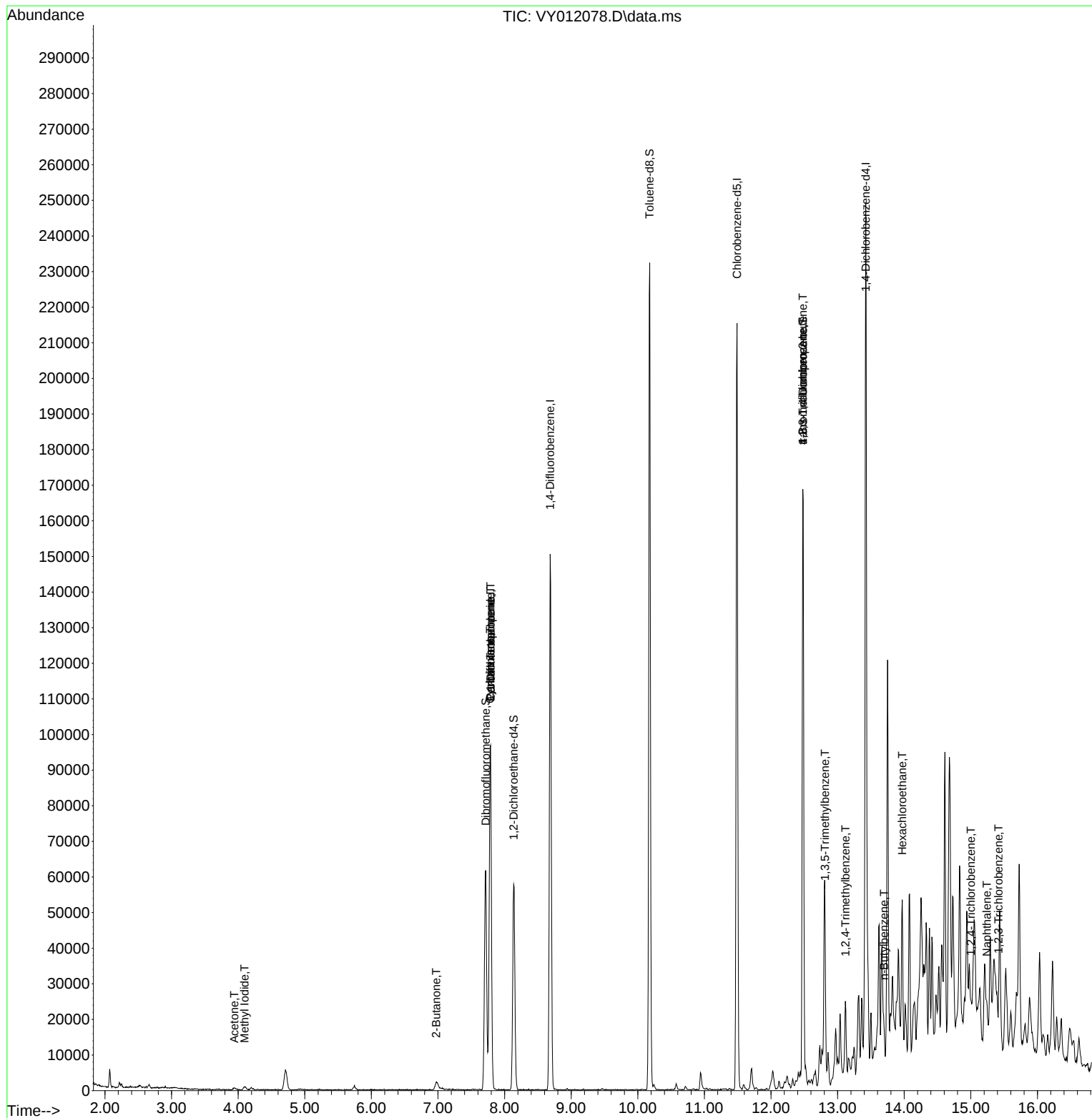
Internal Standards						
1) Pentafluorobenzene	7.789	168	77279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	130548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	123168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	60382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	48100	61.780	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.560%	
35) Dibromofluoromethane	7.716	113	41672	53.022	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.040%	
50) Toluene-d8	10.179	98	157054	49.253	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.477	95	50537	47.124	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.240%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	1363	1.348	ug/l #	92
11) Tert butyl alcohol	4.936	59	133	Below Cal	#	74
16) Acetone	3.942	43	963	8.936	ug/l	91
20) Methylene Chloride	4.722	84	4788	Below Cal	#	80
25) 2-Butanone	6.972	43	526	2.028	ug/l #	46
31) Cyclohexane	7.783	56	1640	1.251	ug/l #	23
36) 1,1-Dichloropropene	7.789	75	5476	4.344	ug/l #	51
38) Carbon Tetrachloride	7.789	117	7511	5.159	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	26219	34.896	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	7794	2.032	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.477	75	26219	95.562	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	11099	2.941	ug/l	100
89) n-Butylbenzene	13.696	91	5019	1.353	ug/l #	81
90) Hexachloroethane	13.971	117	1836	2.349	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.001	180	1081	1.011	ug/l #	1
95) Naphthalene	15.239	128	4120	4.528	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.415	180	1701	1.882	ug/l #	21

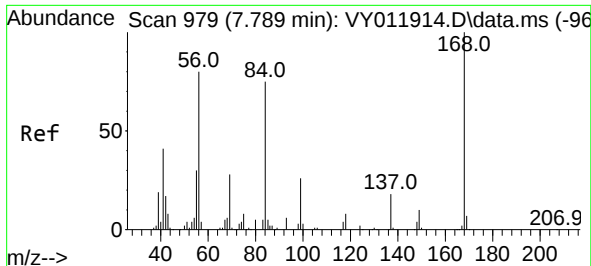
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010523\
Data File : VY012078.D
Acq On : 05 Jan 2023 16:27
Operator : KP/MD
Sample : 01008-01RE
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323RE

Quant Time: Jan 05 23:19:49 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

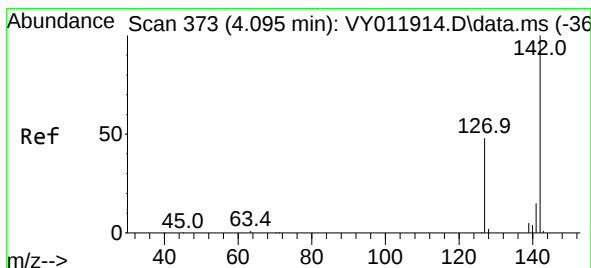
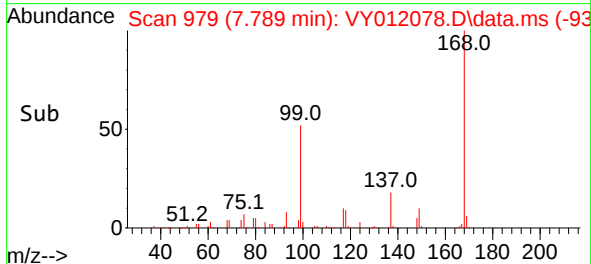
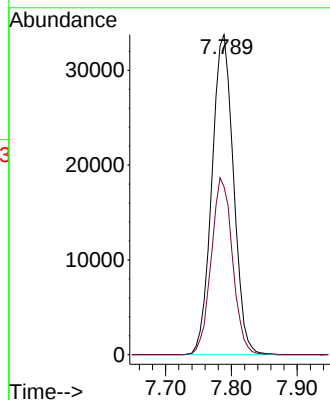
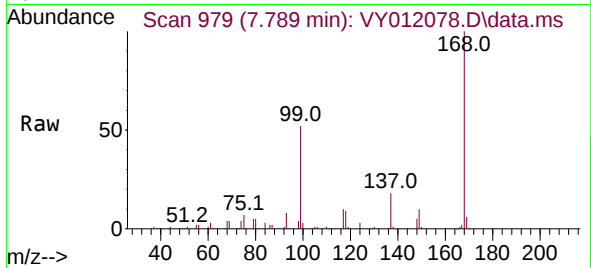




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

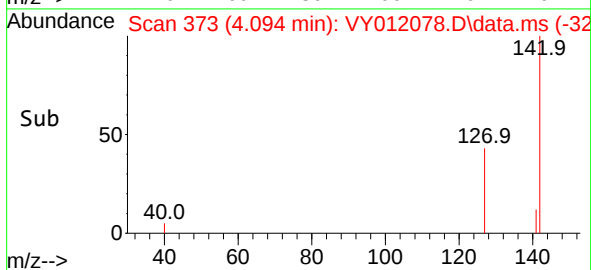
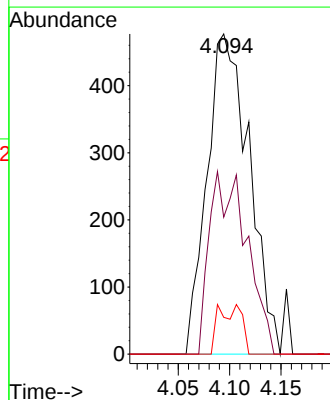
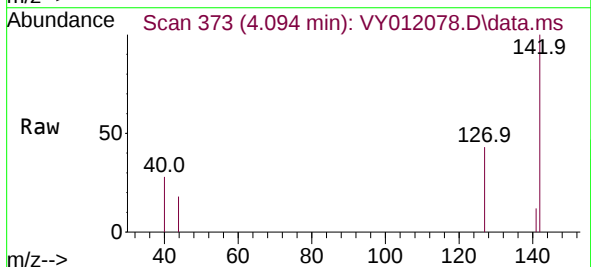
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323RE

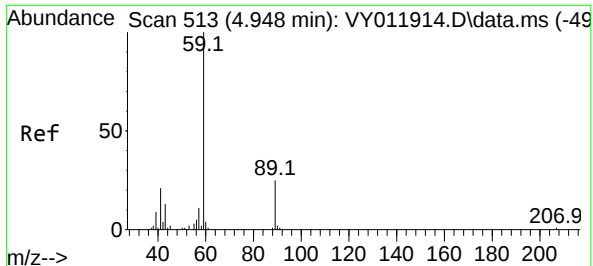
Tgt Ion:168 Resp: 77279
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#10
Methyl Iodide
Concen: 1.348 ug/l
RT: 4.094 min Scan# 373
Delta R.T. -0.001 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

Tgt Ion:142 Resp: 1363
Ion Ratio Lower Upper
142 100
127 50.5 37.0 55.4
141 8.4 11.4 17.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

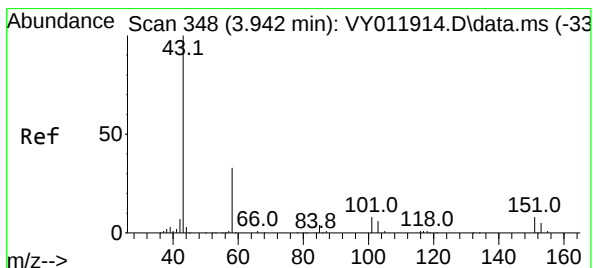
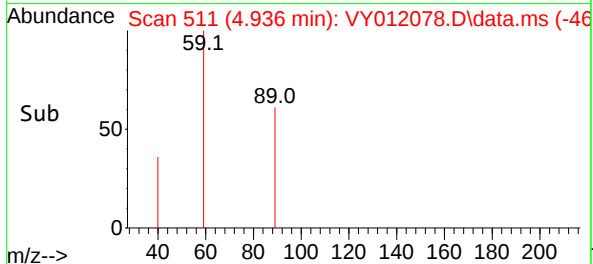
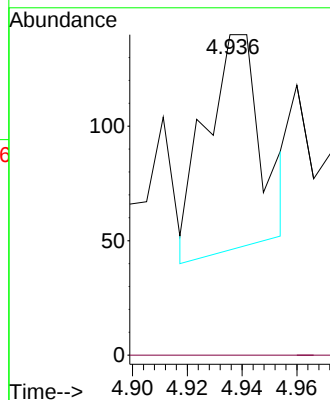
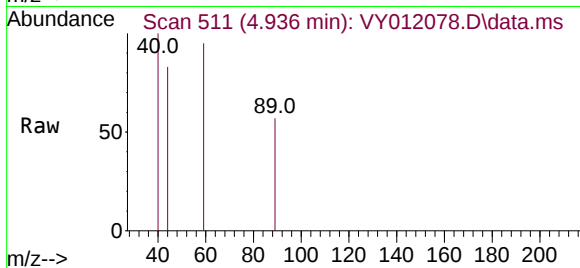
EO-1-010323RE

Tgt Ion: 59 Resp: 133

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 8.936 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY012078.D

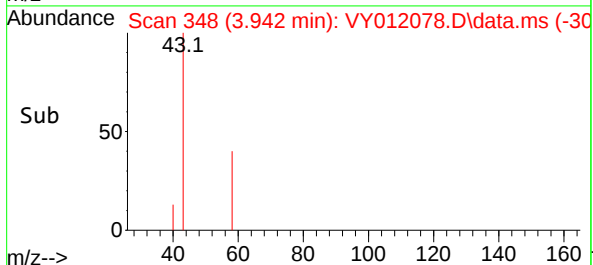
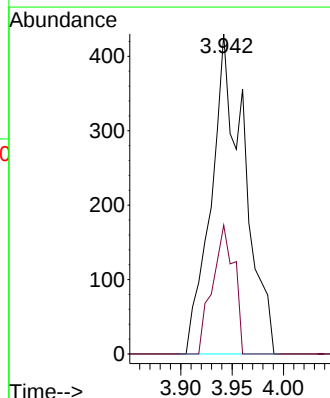
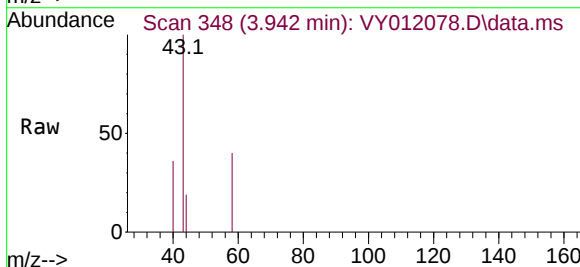
Acq: 05 Jan 2023 16:27

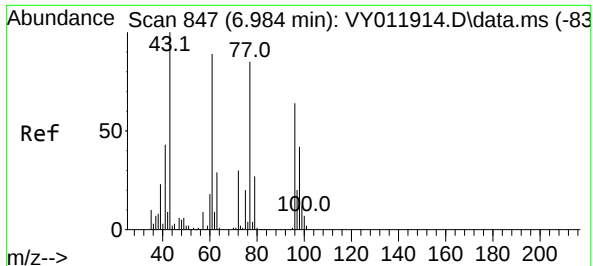
Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

58 40.2 27.9 41.9





#25

2-Butanone

Concen: 2.028 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

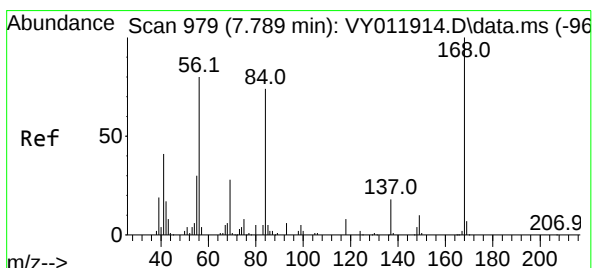
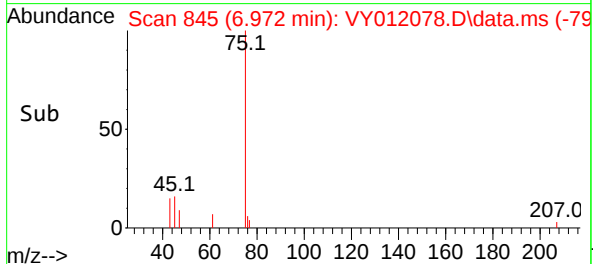
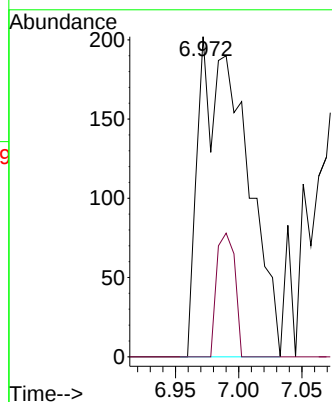
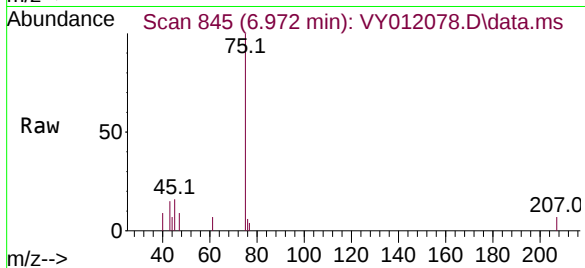
EO-1-010323RE

Tgt Ion: 43 Resp: 526

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

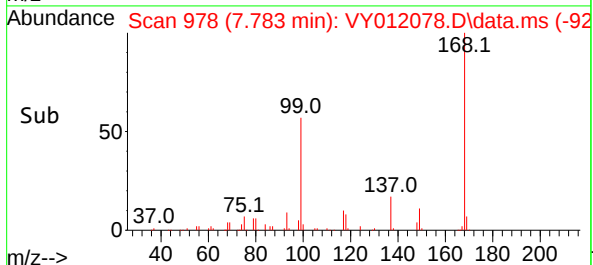
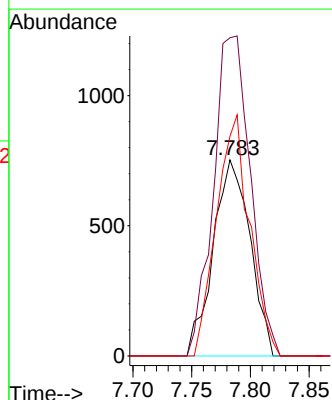
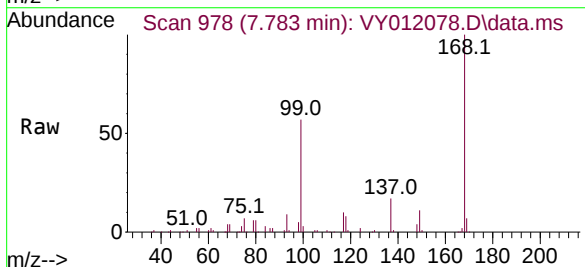
Tgt Ion: 56 Resp: 1640

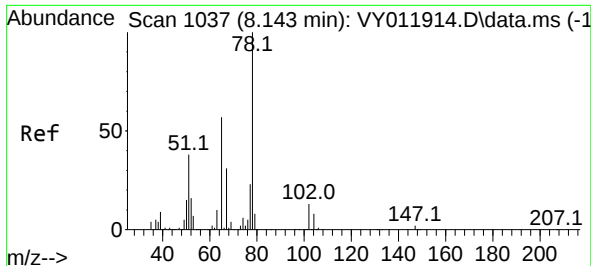
Ion Ratio Lower Upper

56 100

69 162.3 29.2 43.8#

84 112.0 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 61.780 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

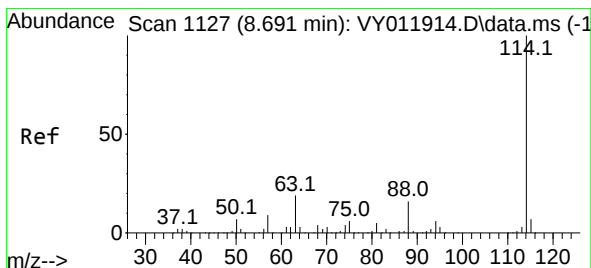
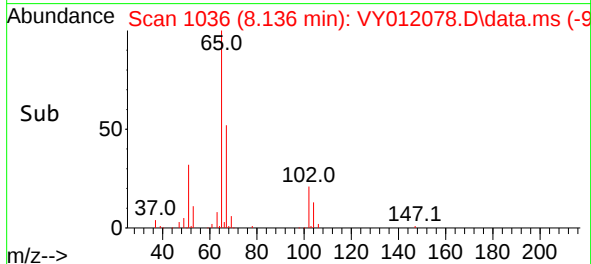
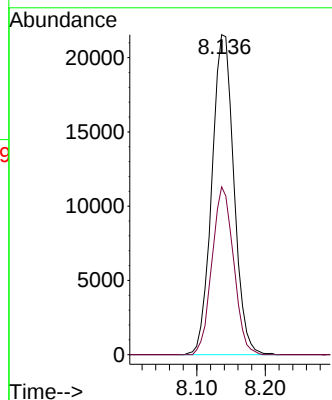
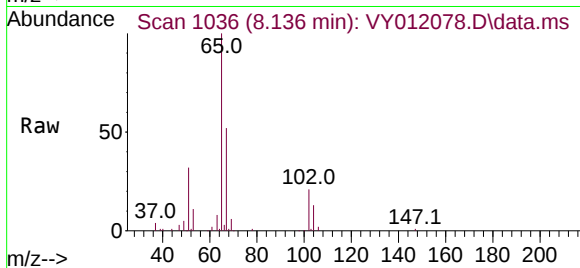
EO-1-010323RE

Tgt Ion: 65 Resp: 48100

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

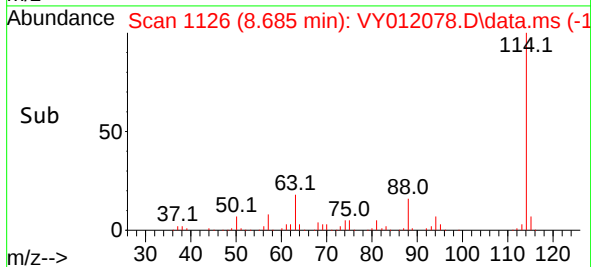
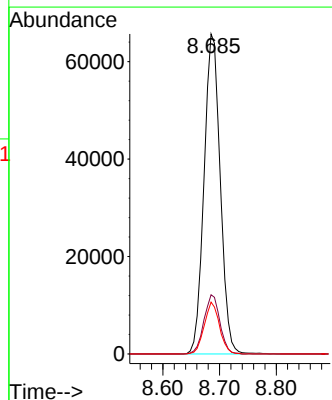
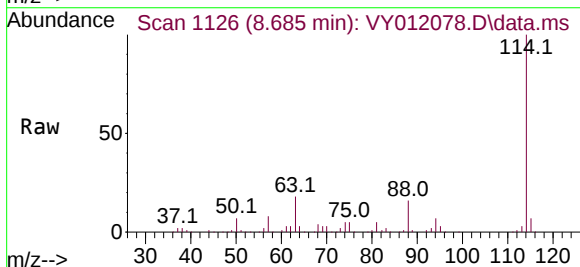
Tgt Ion: 114 Resp: 130548

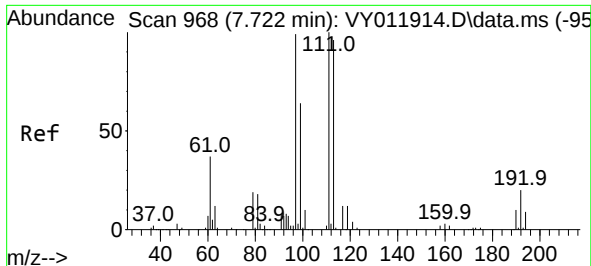
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 16.2 0.0 32.2

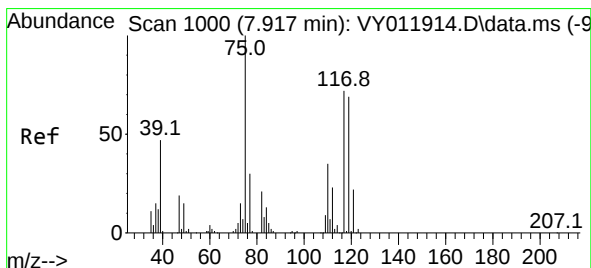
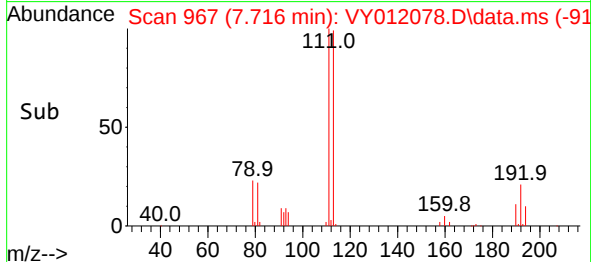
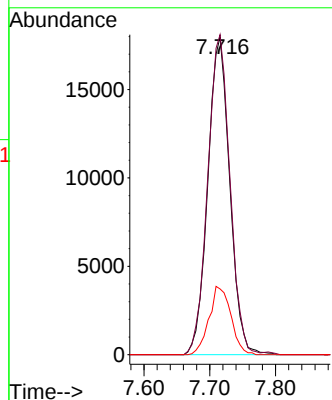
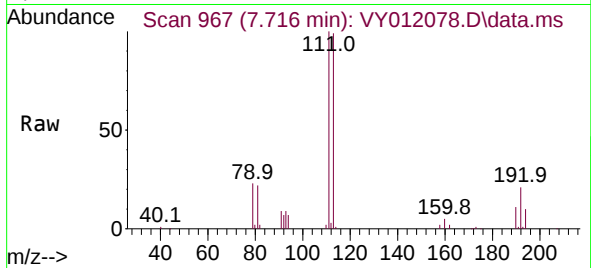




#35
Dibromofluoromethane
Concen: 53.022 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

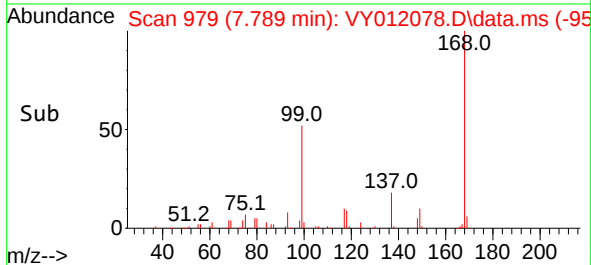
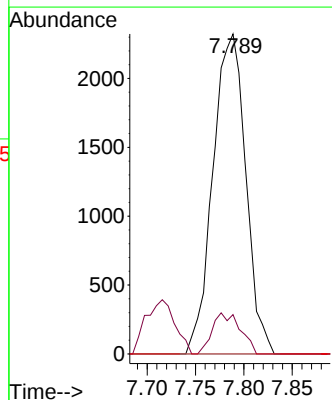
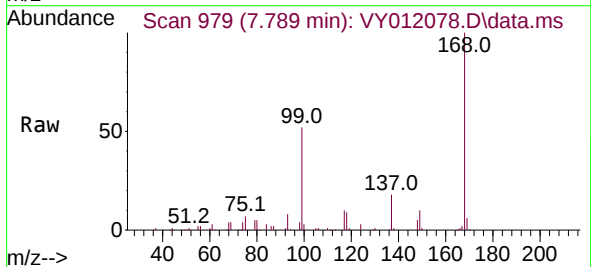
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323RE

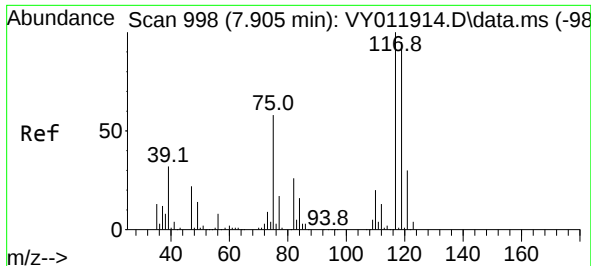
Tgt Ion:113 Resp: 41672
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.4
192 21.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.344 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

Tgt Ion: 75 Resp: 5476
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.1#
77 0.0 25.1 37.7#

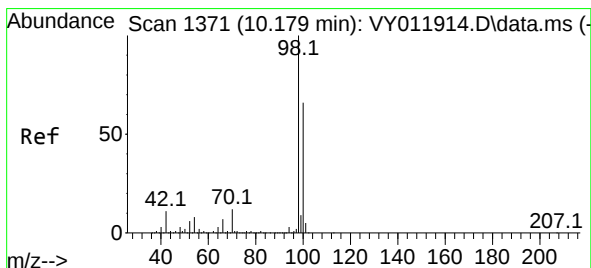
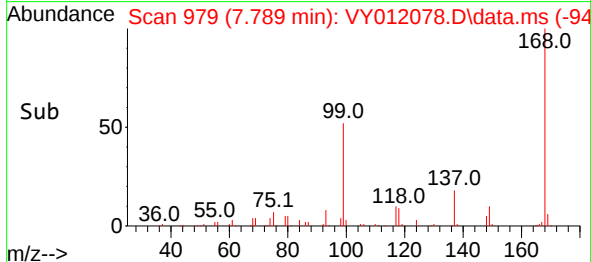
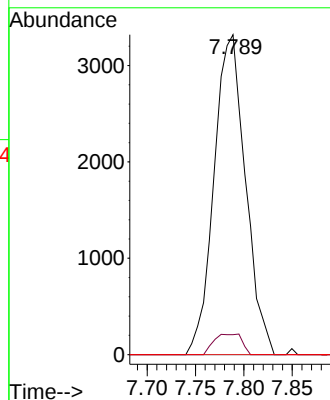
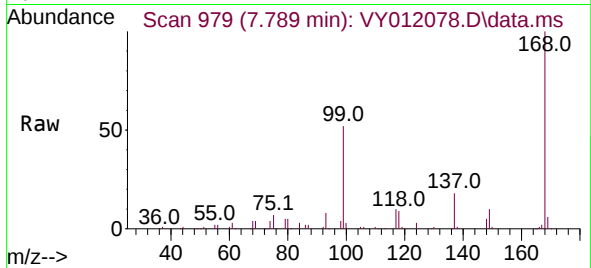




#38
Carbon Tetrachloride
Concen: 5.159 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

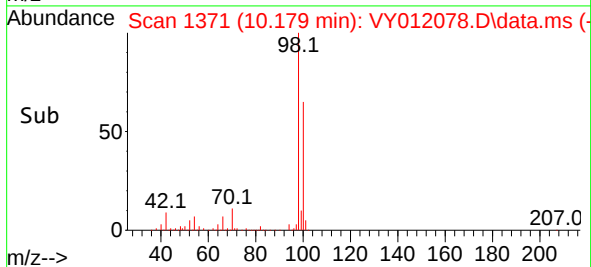
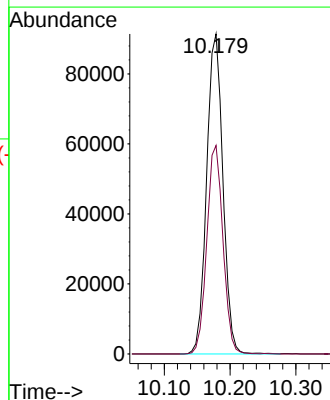
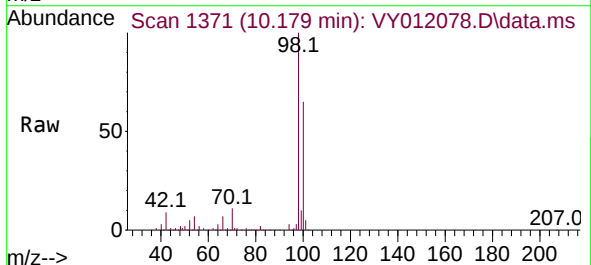
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323RE

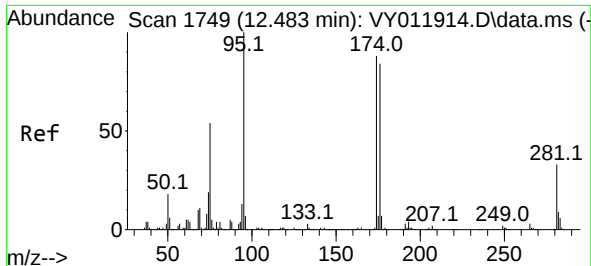
Tgt Ion:117 Resp: 7511
Ion Ratio Lower Upper
117 100
119 6.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.253 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

Tgt Ion: 98 Resp: 157054
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

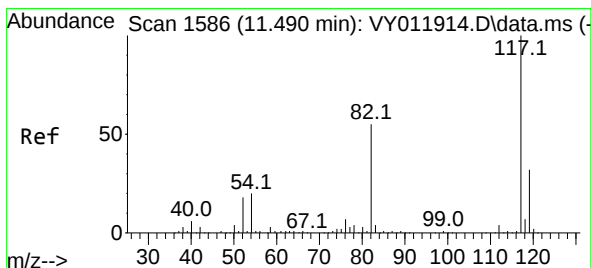
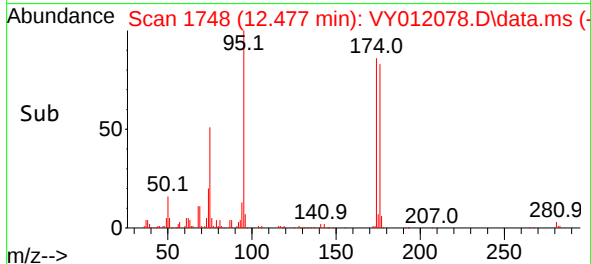
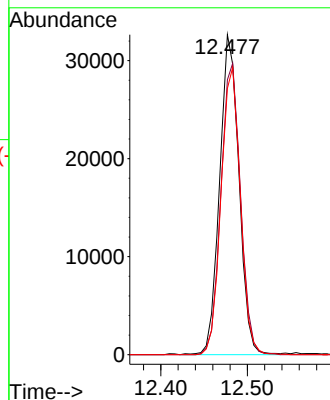
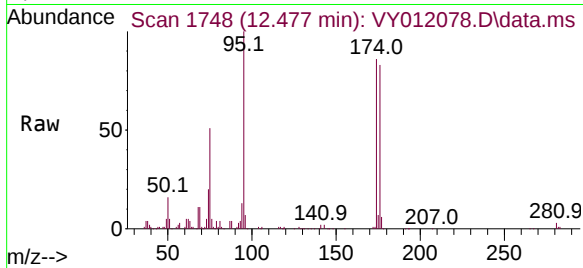




#62
4-Bromofluorobenzene
Concen: 47.124 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

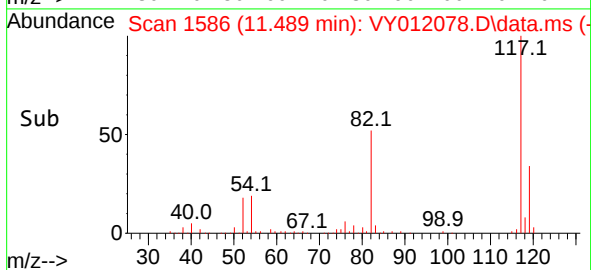
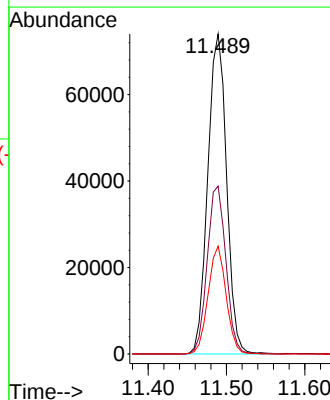
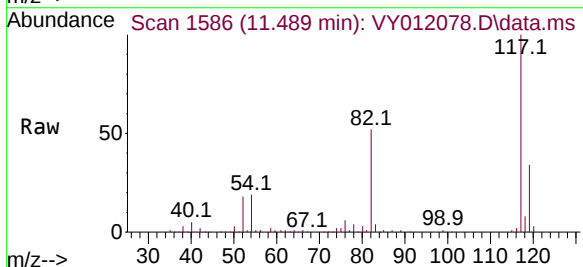
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323RE

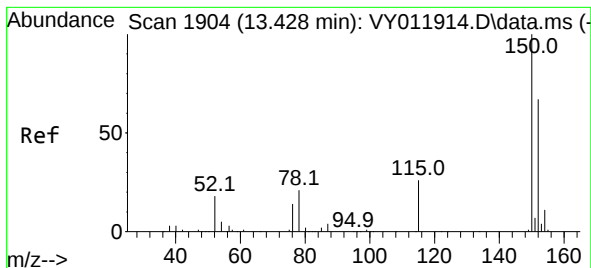
Tgt Ion: 95 Resp: 50537
Ion Ratio Lower Upper
95 100
174 92.4 0.0 172.0
176 89.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

Tgt Ion: 117 Resp: 123168
Ion Ratio Lower Upper
117 100
82 52.5 44.8 67.2
119 33.7 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: VY012078.D

Acq: 05 Jan 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-010323RE

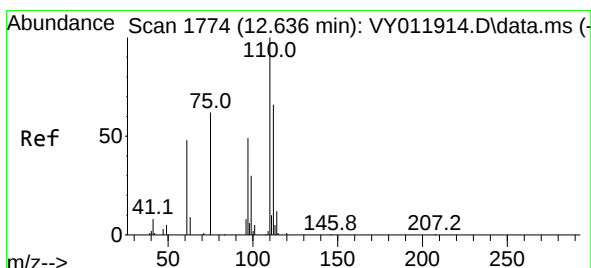
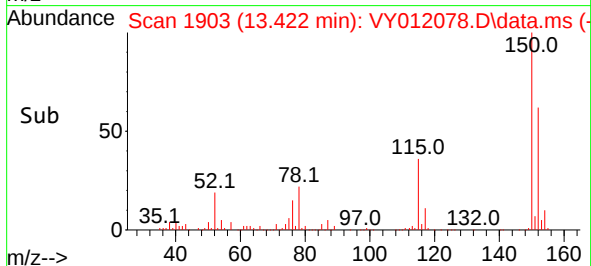
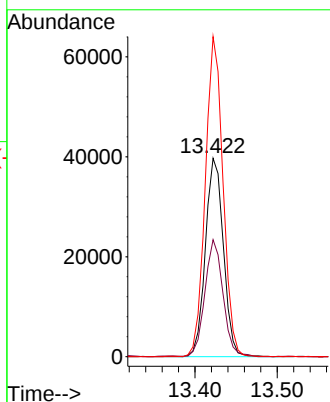
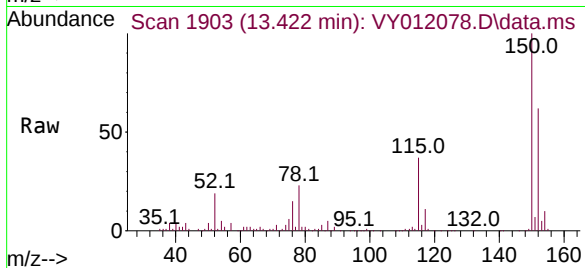
Tgt Ion:152 Resp: 60382

Ion Ratio Lower Upper

152 100

115 59.5 29.1 87.3

150 158.4 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 34.896 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY012078.D

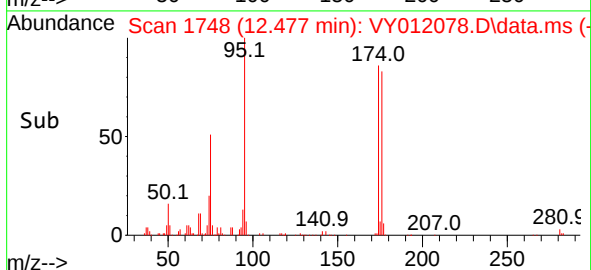
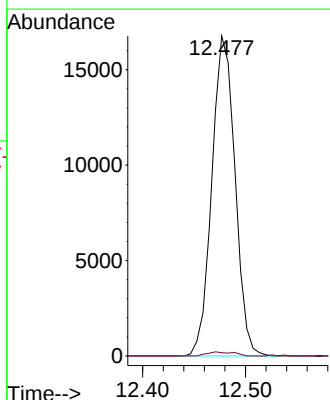
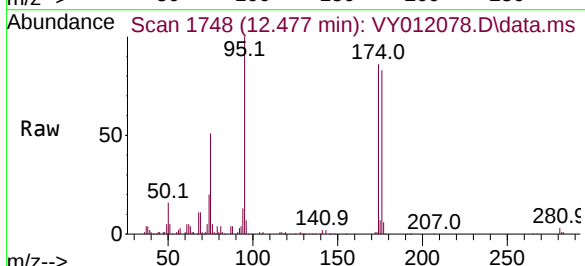
Acq: 05 Jan 2023 16:27

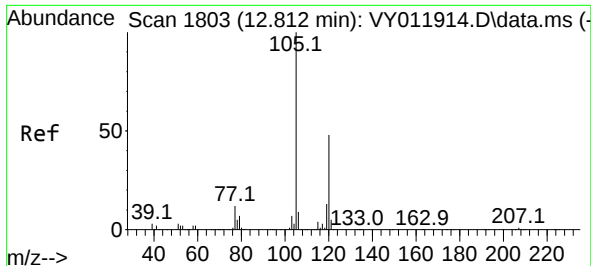
Tgt Ion: 75 Resp: 26219

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

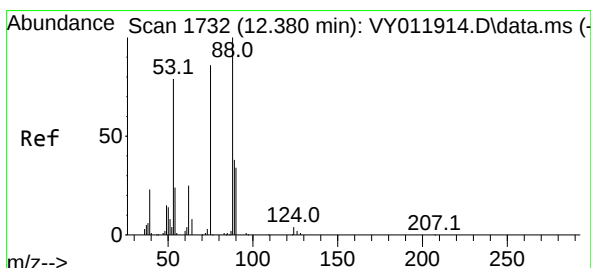
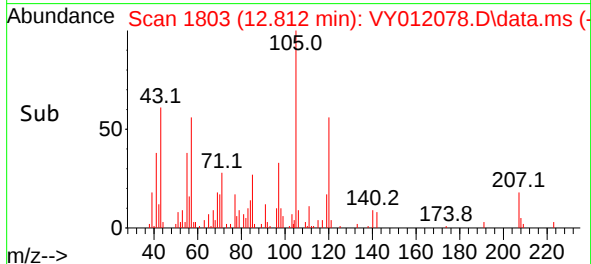
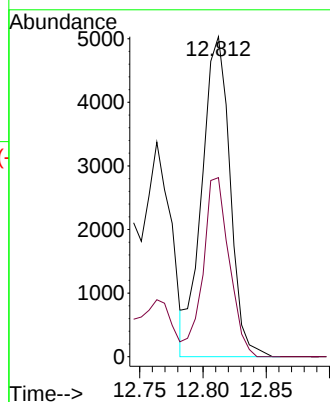
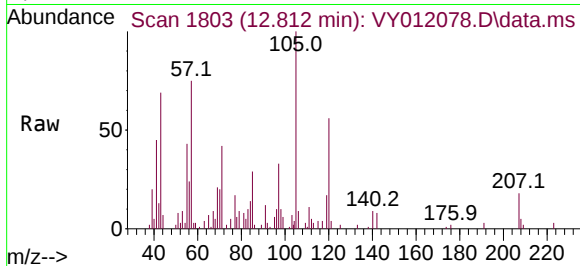




#80
1,3,5-Trimethylbenzene
Concen: 2.032 ug/l
RT: 12.812 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

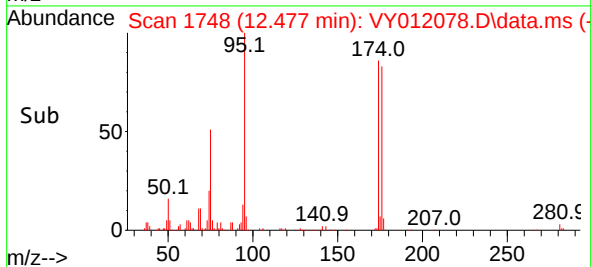
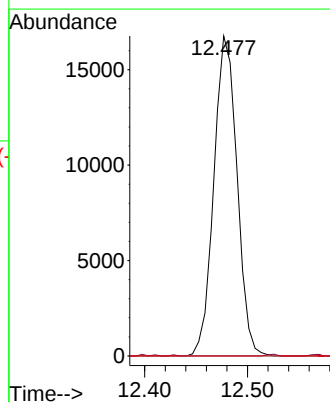
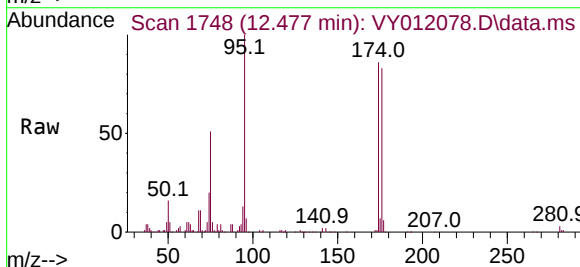
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-010323RE

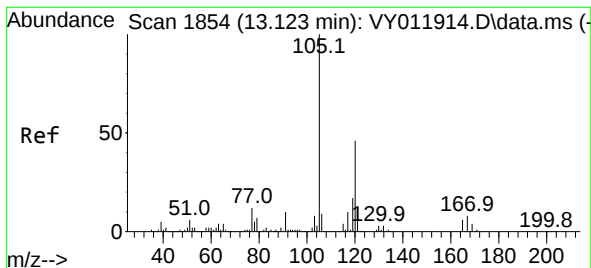
Tgt Ion:105 Resp: 7794
Ion Ratio Lower Upper
105 100
120 52.2 24.2 72.6



#81
trans-1,4-Dichloro-2-butene
Concen: 95.562 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY012078.D
Acq: 05 Jan 2023 16:27

Tgt Ion: 75 Resp: 26219
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: 2.941 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

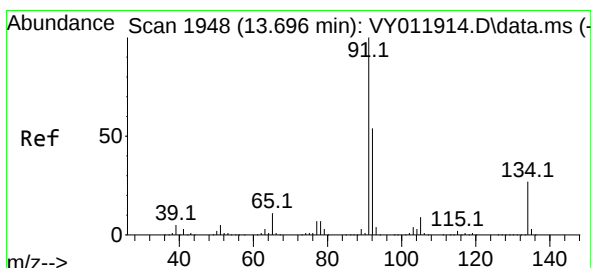
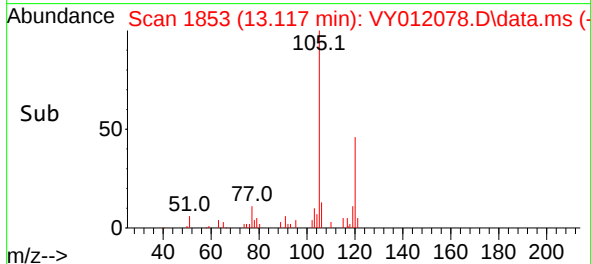
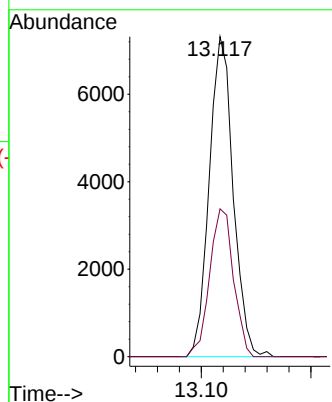
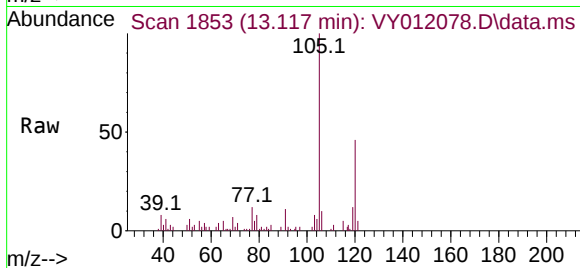
EO-1-010323RE

Tgt Ion:105 Resp: 11099

Ion Ratio Lower Upper

105 100

120 46.1 22.9 68.7



#89

n-Butylbenzene

Concen: 1.353 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

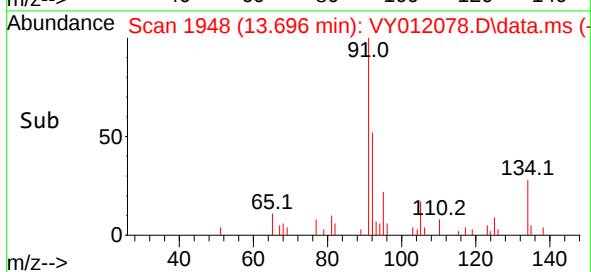
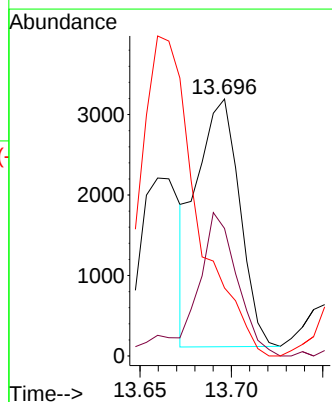
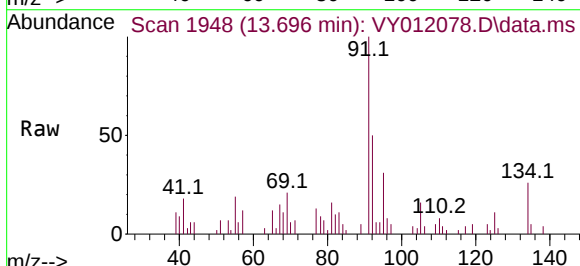
Tgt Ion: 91 Resp: 5019

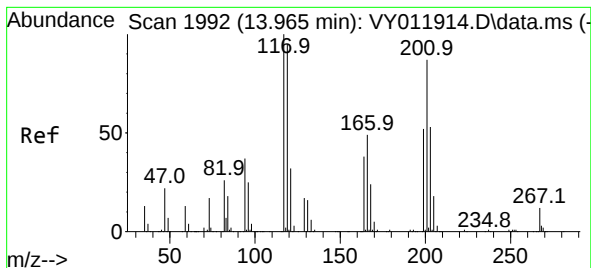
Ion Ratio Lower Upper

91 100

92 56.0 26.8 80.4

134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 2.349 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

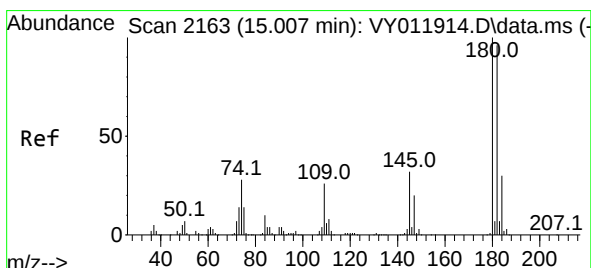
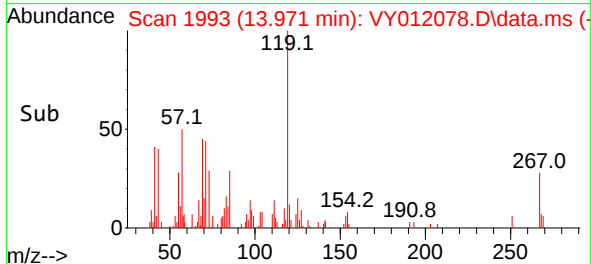
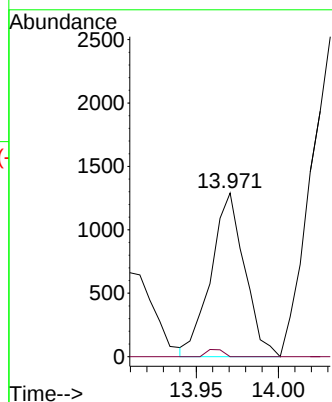
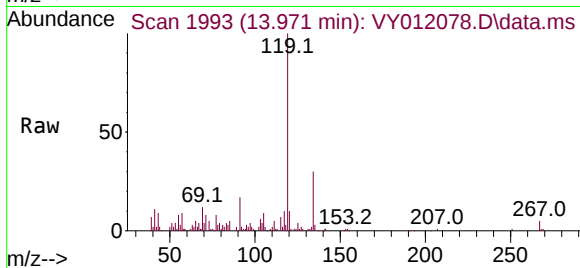
EO-1-010323RE

Tgt Ion:117 Resp: 1836

Ion Ratio Lower Upper

117 100

201 2.2 40.3 120.8#



#93

1,2,4-Trichlorobenzene

Concen: 1.011 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

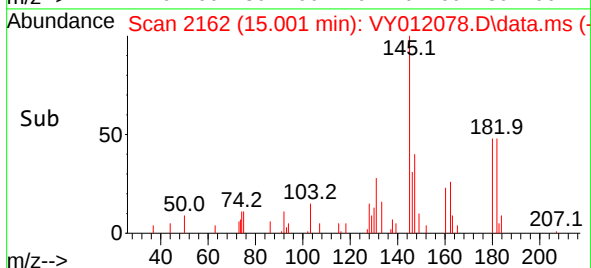
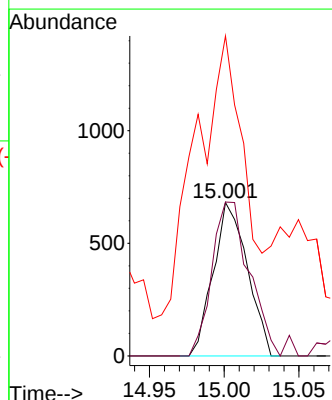
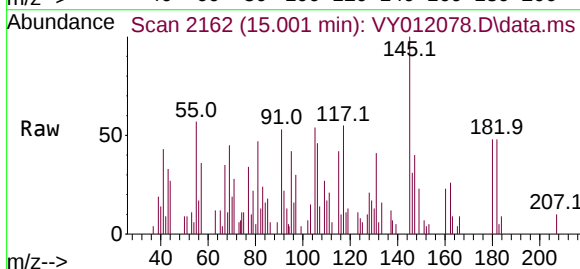
Tgt Ion:180 Resp: 1081

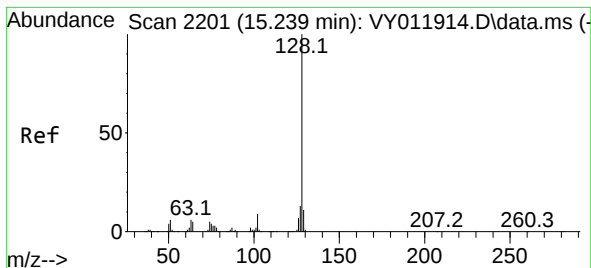
Ion Ratio Lower Upper

180 100

182 109.9 48.1 144.3

145 256.1 15.4 46.4#





#95

Naphthalene

Concen: 4.528 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-010323RE

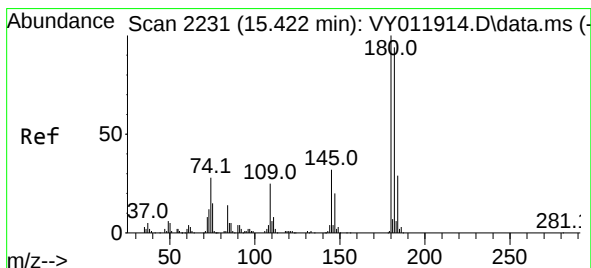
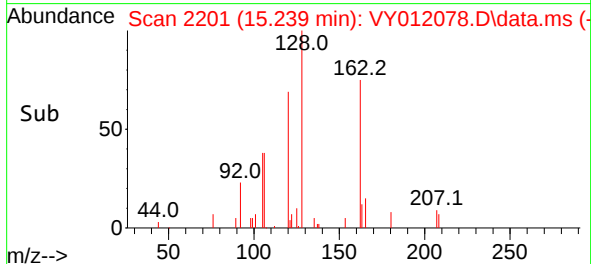
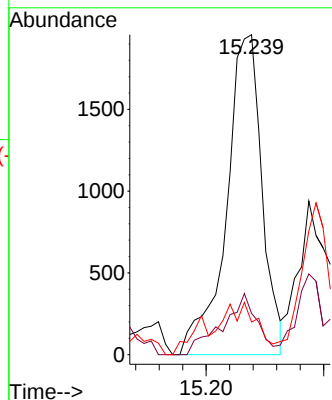
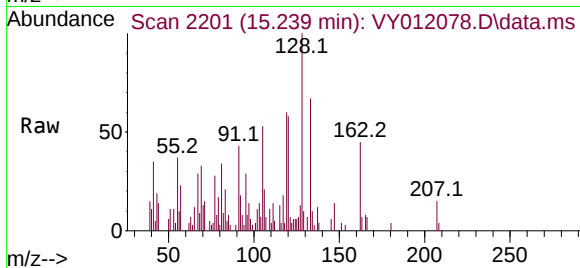
Tgt Ion:128 Resp: 4120

Ion Ratio Lower Upper

128 100

127 18.6 10.2 15.2#

129 3.6 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 1.882 ug/l

RT: 15.415 min Scan# 2230

Delta R.T. -0.006 min

Lab File: VY012078.D

Acq: 05 Jan 2023 16:27

Tgt Ion:180 Resp: 1701

Ion Ratio Lower Upper

180 100

182 59.1 47.9 143.7

145 144.5 16.1 48.2#

