

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
 Data File : VY012441.D
 Acq On : 01 Feb 2023 14:52
 Operator : KP/MD
 Sample : 01382-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-013123

Quant Time: Feb 01 23:05:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

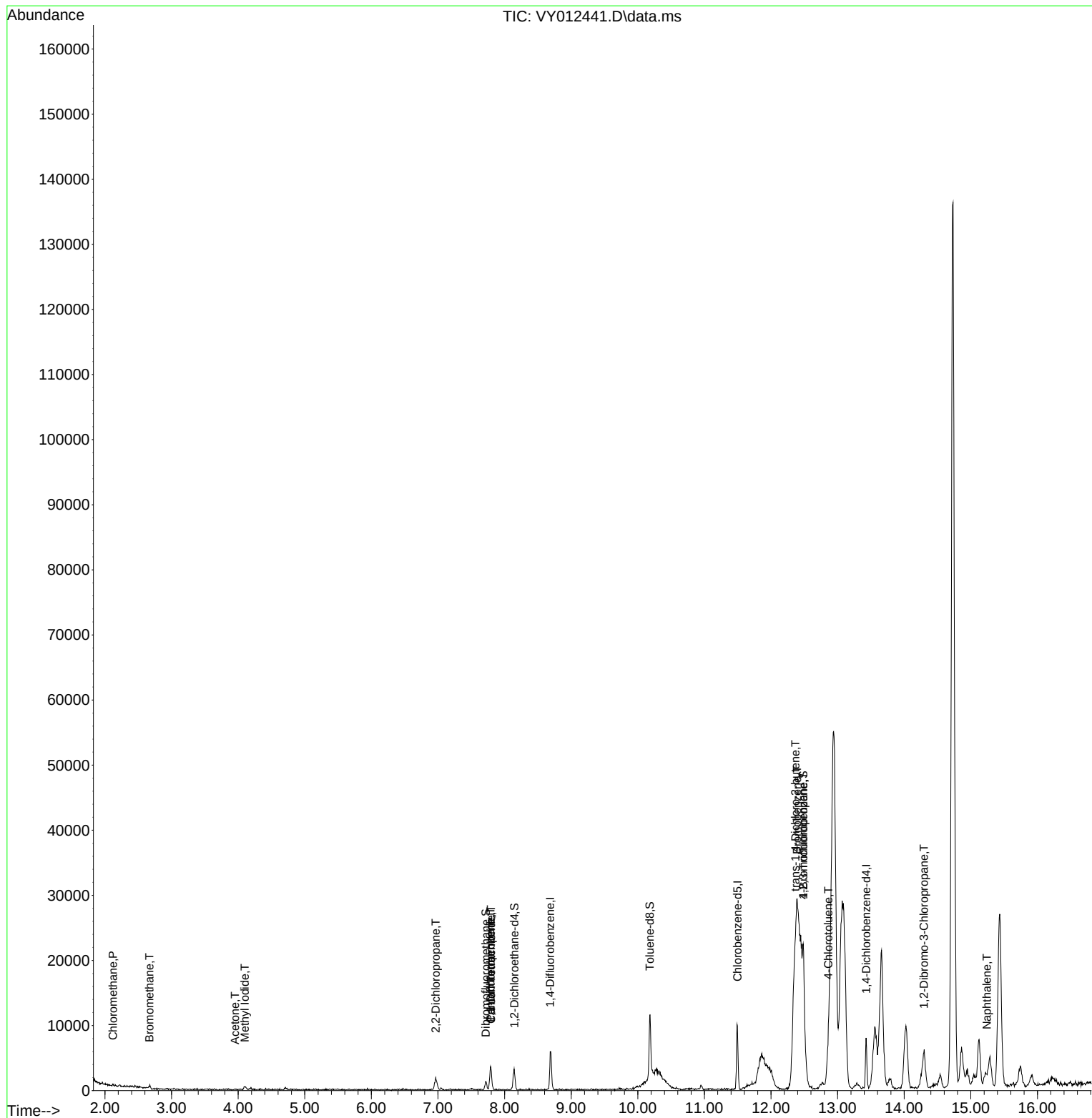
Internal Standards						
1) Pentafluorobenzene	7.789	168	3442	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	6094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	6335	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2587	94.147	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.300%#	
35) Dibromofluoromethane	7.716	113	963	29.844	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 59.680%	
50) Toluene-d8	10.179	98	7354	67.274	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 134.540%	
62) 4-Bromofluorobenzene	12.483	95	2626	57.730	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.460%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	104	3.745	ug/l	# 41
5) Bromomethane	2.668	94	211	8.420	ug/l	# 74
10) Methyl Iodide	4.101	142	772	16.500	ug/l	# 82
16) Acetone	3.954	43	48	5.008	ug/l	# 40
20) Methylene Chloride	4.710	84	262	Below Cal	#	40
26) 2,2-Dichloropropane	6.966	77	84	1.432	ug/l	# 53
36) 1,1-Dichloropropene	7.789	75	154	2.808	ug/l	# 41
38) Carbon Tetrachloride	7.795	117	247	3.487	ug/l	# 14
76) 1,2,3-Trichloropropane	12.483	75	1636	77.120	ug/l	# 100
77) Bromobenzene	12.392	156	61583	1538.428	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.367	75	253	24.573	ug/l	# 42
82) 4-Chlorotoluene	12.861	91	146	1.263	ug/l	# 41
92) 1,2-Dibromo-3-Chloropr...	14.294	75	44	8.125	ug/l	# 1
95) Naphthalene	15.239	128	996	11.086	ug/l	# 93

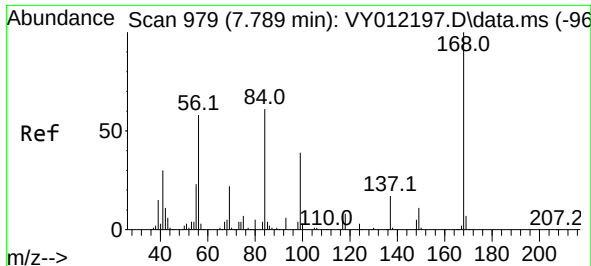
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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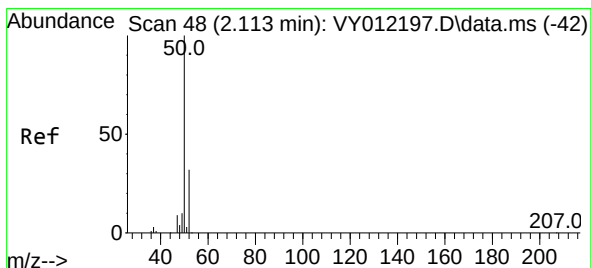
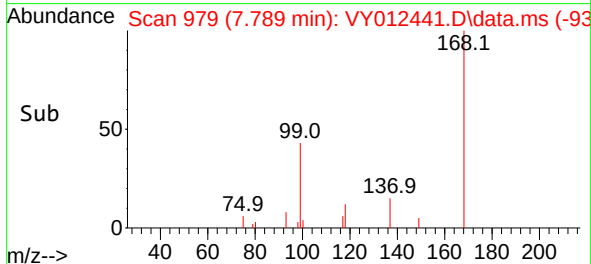
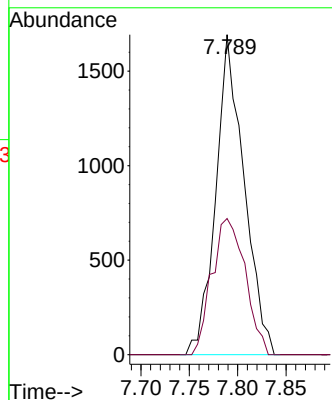
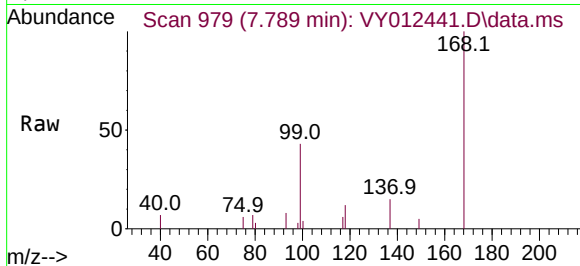




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

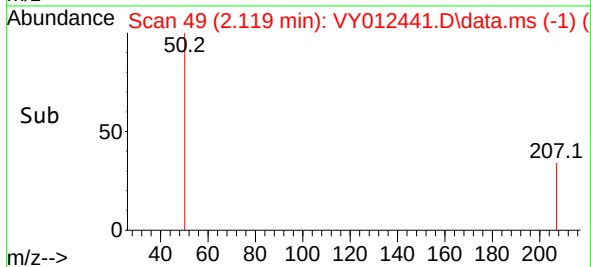
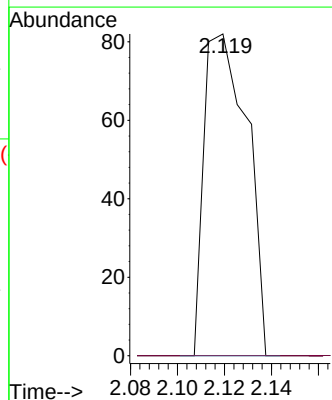
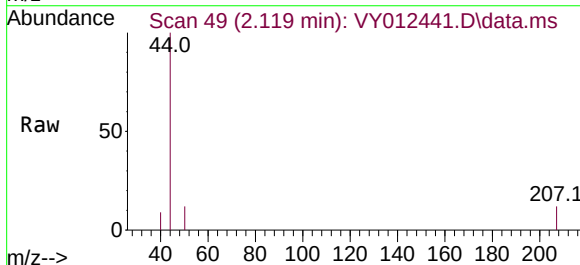
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

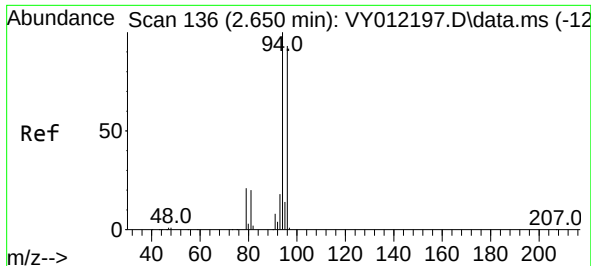
Tgt Ion:168 Resp: 3442
Ion Ratio Lower Upper
168 100
99 42.5 44.0 66.0#



#3
Chloromethane
Concen: 3.745 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

Tgt Ion: 50 Resp: 104
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

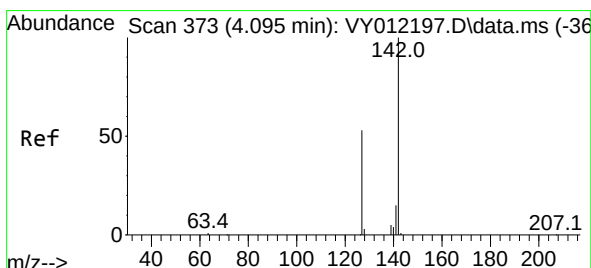
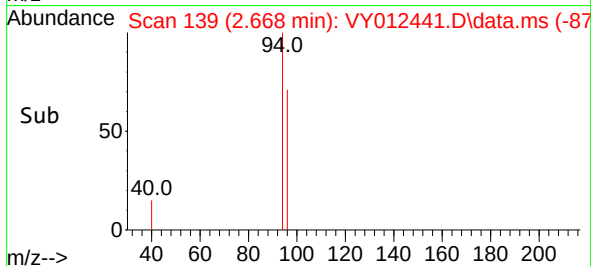
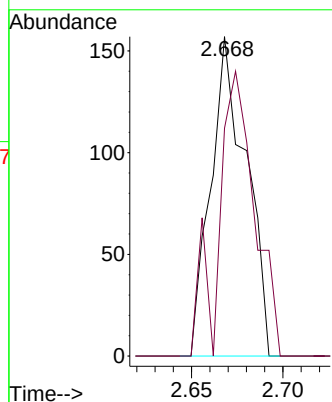
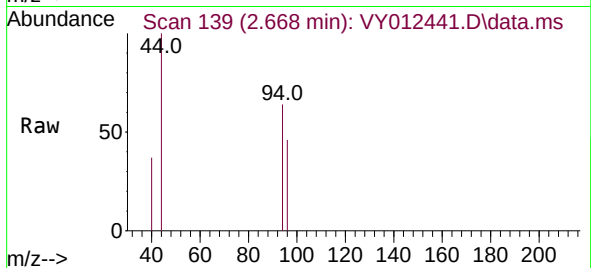




#5
Bromomethane
Concen: 8.420 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

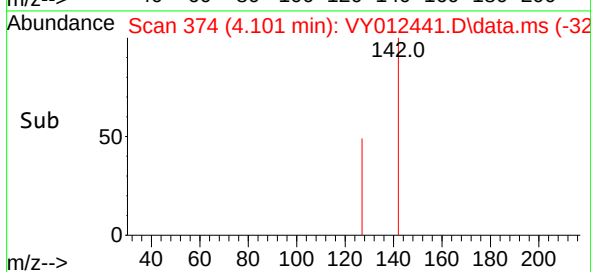
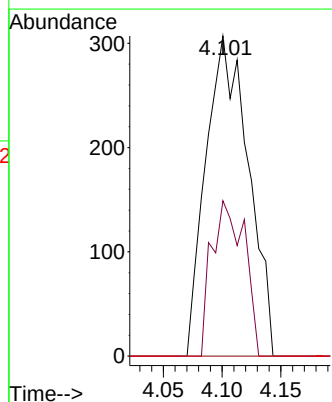
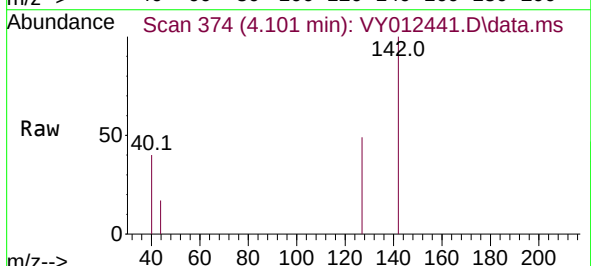
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

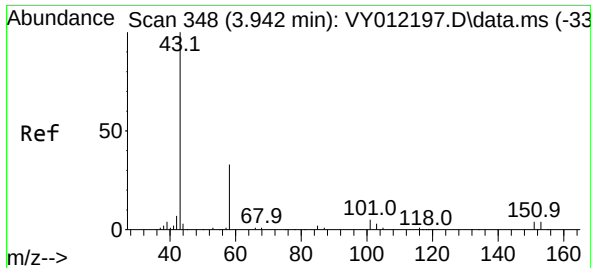
Tgt Ion: 94 Resp: 211
Ion Ratio Lower Upper
94 100
96 71.3 77.4 116.2#



#10
Methyl Iodide
Concen: 16.500 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

Tgt Ion:142 Resp: 772
Ion Ratio Lower Upper
142 100
127 37.4 37.0 55.4
141 0.0 11.4 17.0#

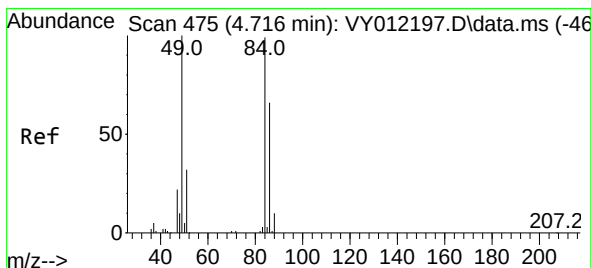
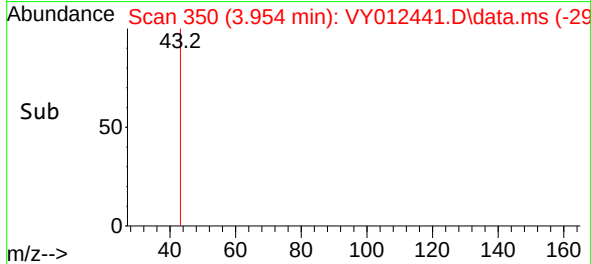
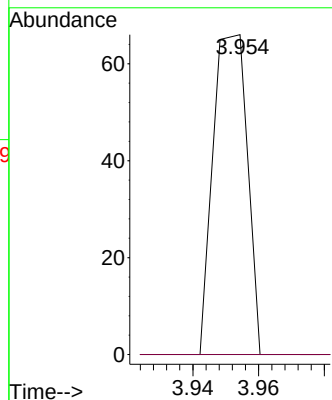
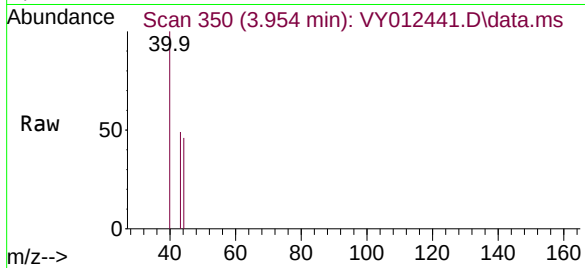




#16
Acetone
Concen: 5.008 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

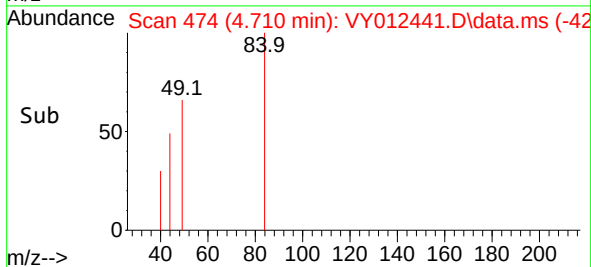
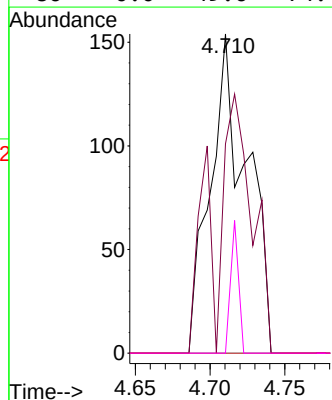
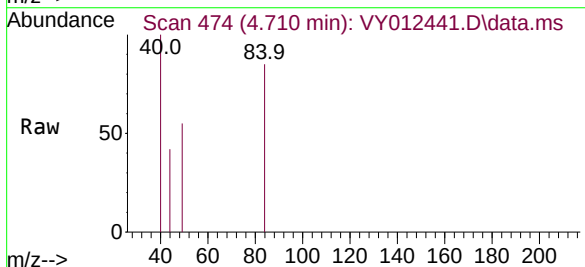
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

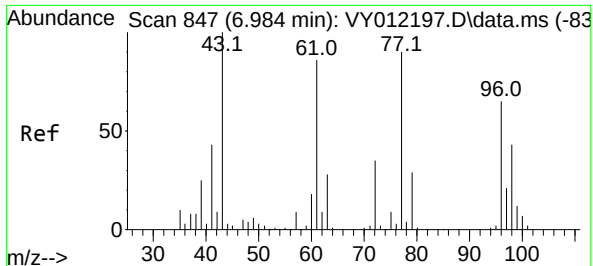
Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

Tgt Ion: 84 Resp: 262
Ion Ratio Lower Upper
84 100
49 65.6 95.4 143.2#
51 0.0 29.9 44.9#
86 0.0 49.6 74.4#





#26

2,2-Dichloropropane

Concen: 1.432 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012441.D

Acq: 01 Feb 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

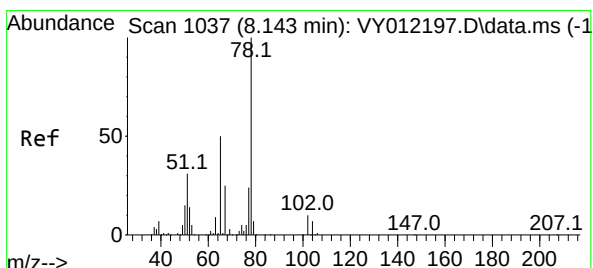
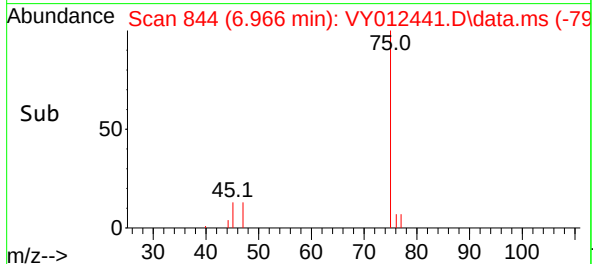
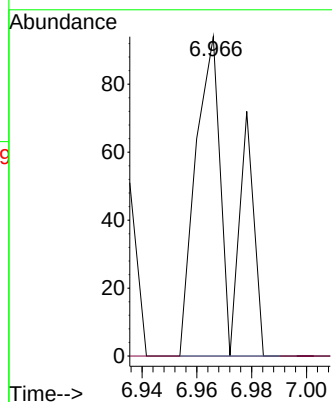
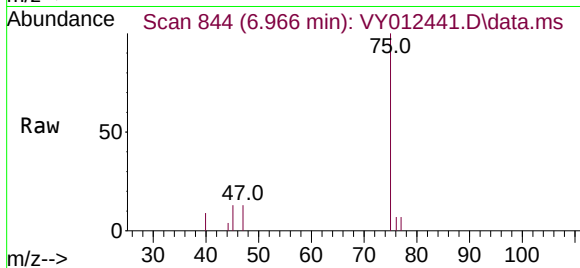
OR-3-013123

Tgt Ion: 77 Resp: 84

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#33

1,2-Dichloroethane-d4

Concen: 94.147 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VY012441.D

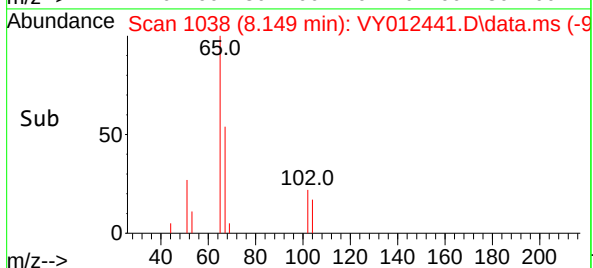
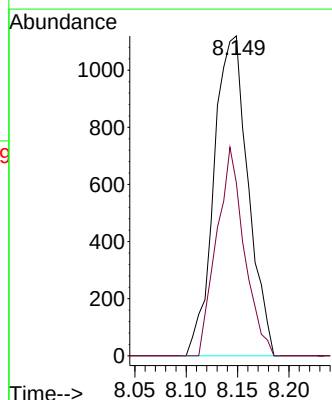
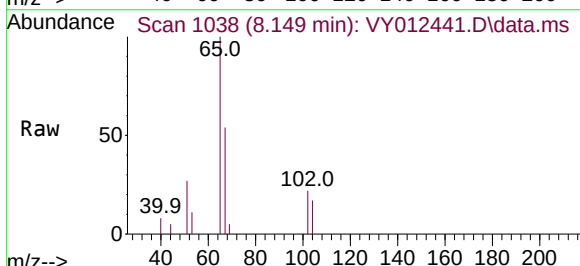
Acq: 01 Feb 2023 14:52

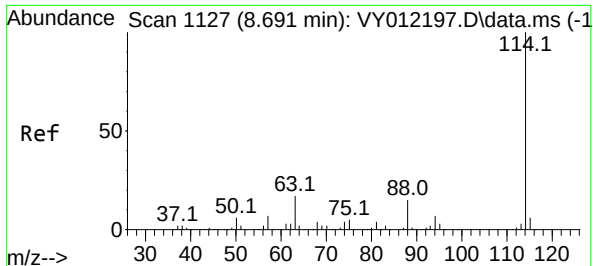
Tgt Ion: 65 Resp: 2587

Ion Ratio Lower Upper

65 100

67 52.8 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: VY012441.D

Acq: 01 Feb 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-013123

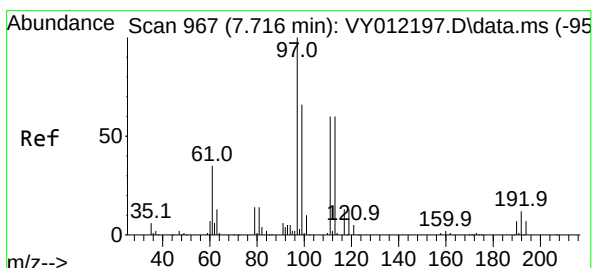
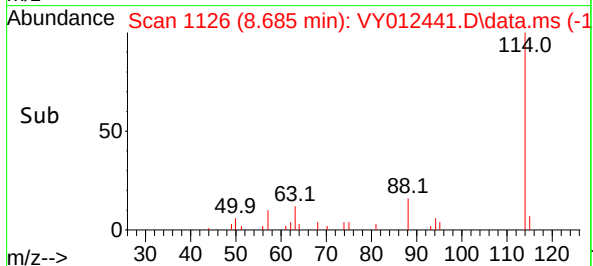
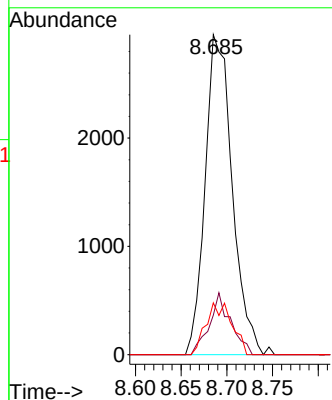
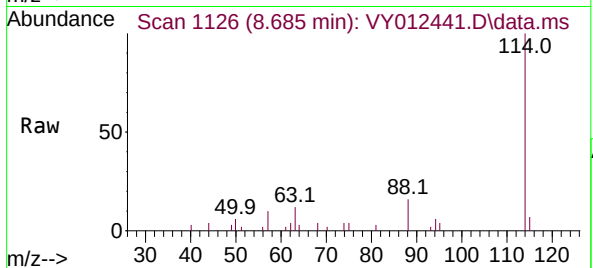
Tgt Ion:114 Resp: 6094

Ion Ratio Lower Upper

114 100

63 12.3 0.0 39.6

88 16.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 29.844 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012441.D

Acq: 01 Feb 2023 14:52

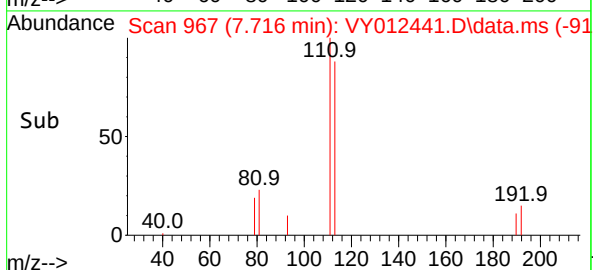
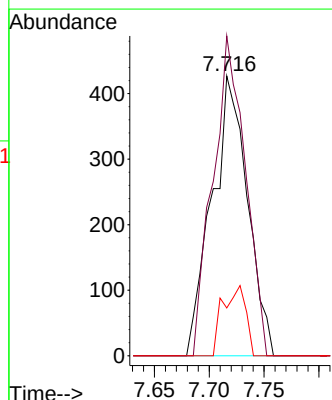
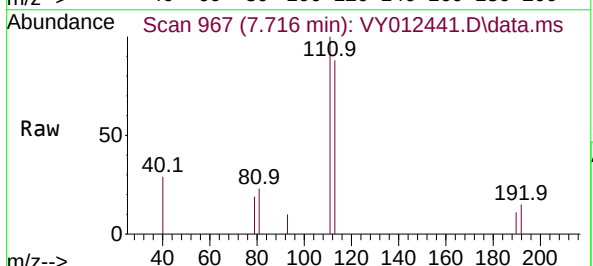
Tgt Ion:113 Resp: 963

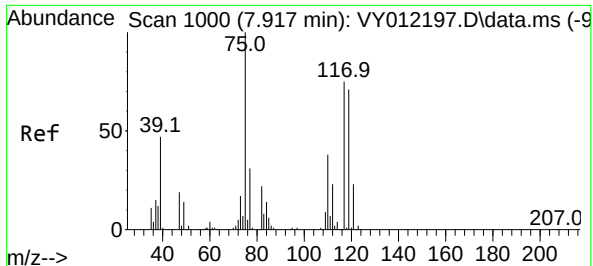
Ion Ratio Lower Upper

113 100

111 104.4 83.0 124.4

192 16.1 16.0 24.0





#36

1,1-Dichloropropene

Concen: 2.808 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012441.D

Acq: 01 Feb 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-013123

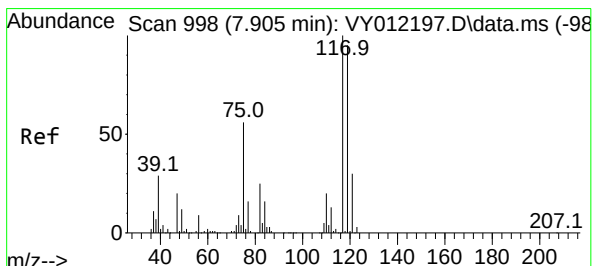
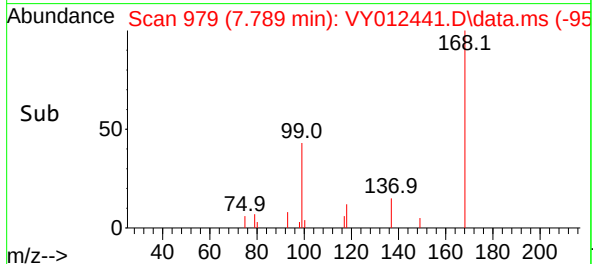
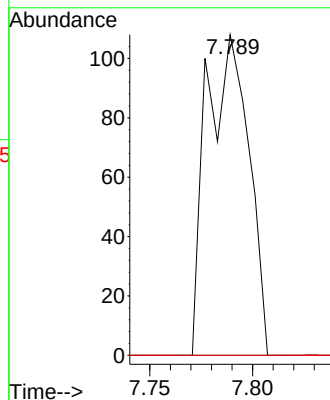
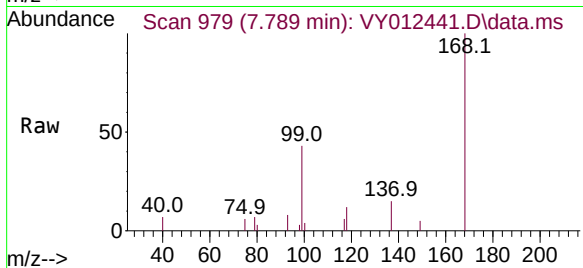
Tgt Ion: 75 Resp: 154

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 3.487 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY012441.D

Acq: 01 Feb 2023 14:52

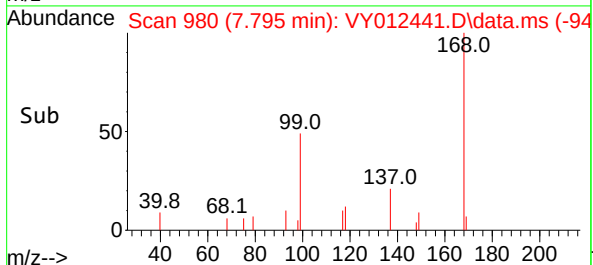
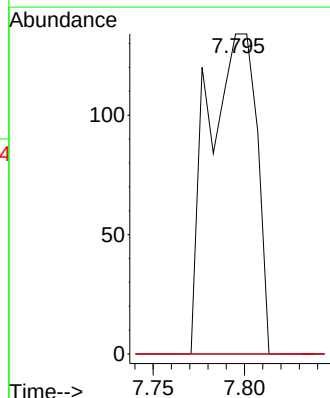
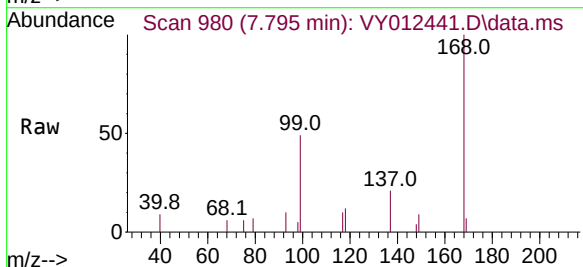
Tgt Ion: 117 Resp: 247

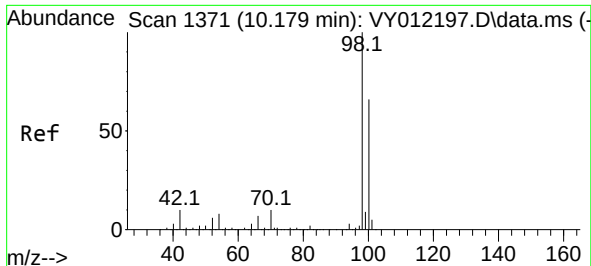
Ion Ratio Lower Upper

117 100

119 0.0 73.8 110.8#

121 0.0 25.2 37.8#

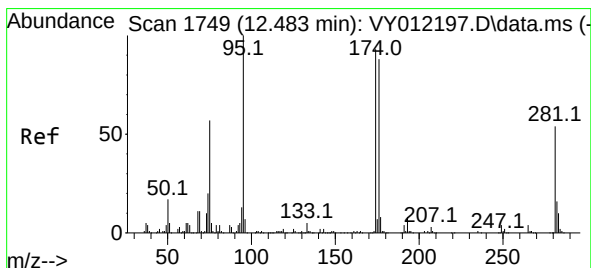
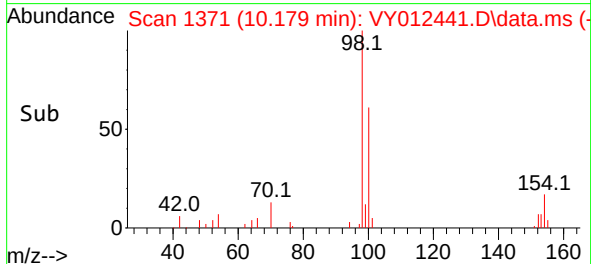
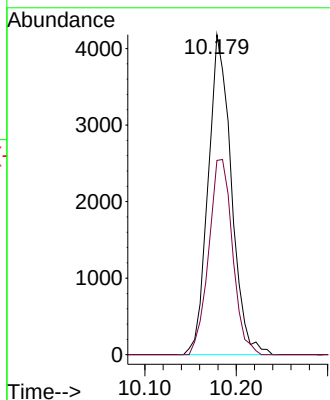
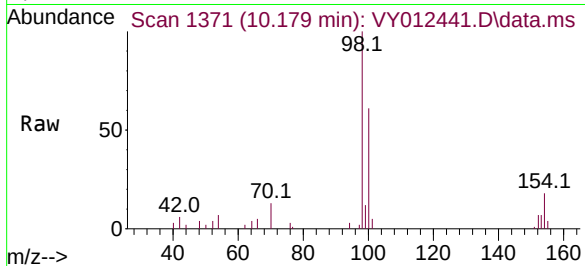




#50
Toluene-d8
Concen: 67.274 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

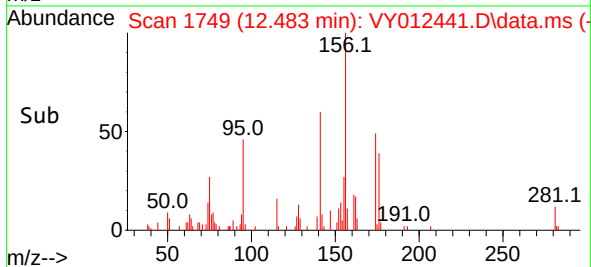
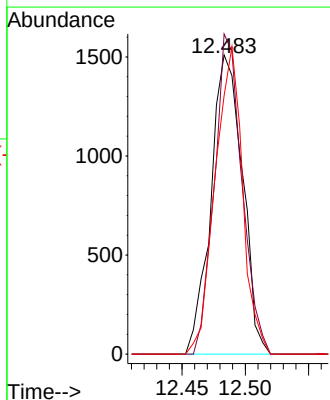
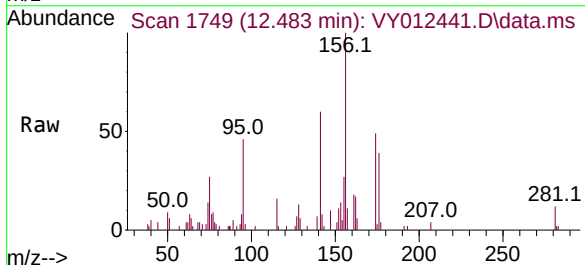
Instrument :
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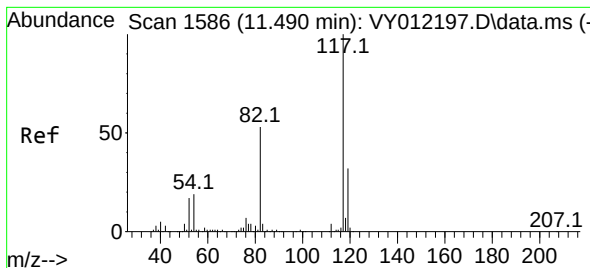
Tgt Ion: 98 Resp: 7354
Ion Ratio Lower Upper
98 100
100 62.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 57.730 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

Tgt Ion: 95 Resp: 2626
Ion Ratio Lower Upper
95 100
174 93.5 0.0 172.0
176 89.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012441.D

Acq: 01 Feb 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-013123

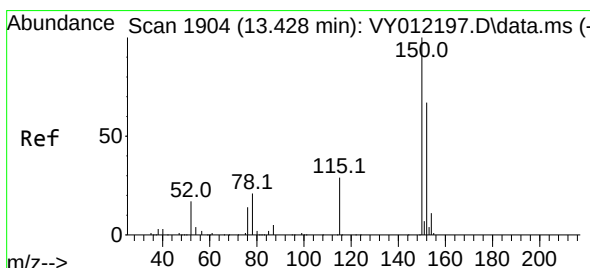
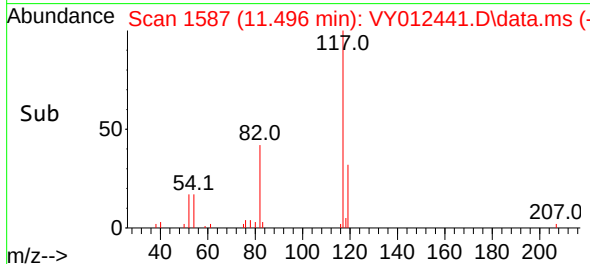
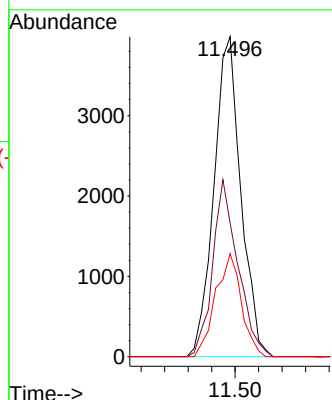
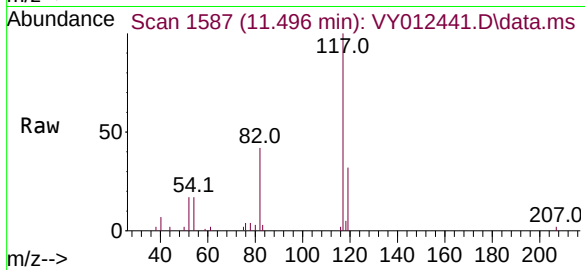
Tgt Ion:117 Resp: 6335

Ion Ratio Lower Upper

117 100

82 41.8 44.8 67.2#

119 32.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012441.D

Acq: 01 Feb 2023 14:52

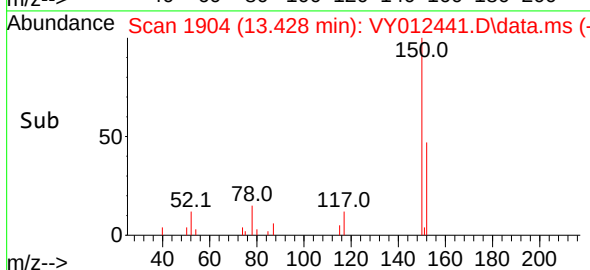
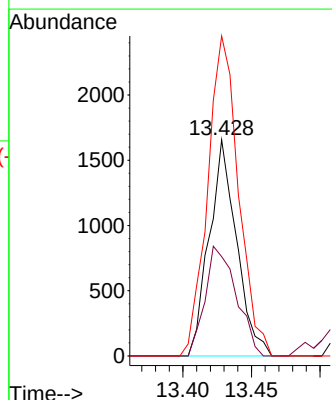
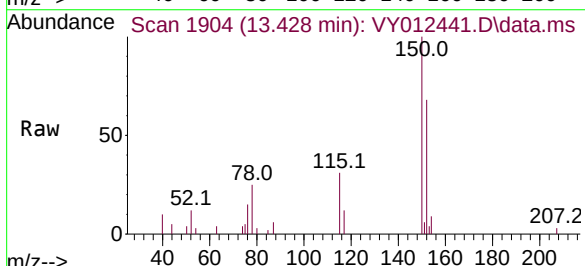
Tgt Ion:152 Resp: 2307

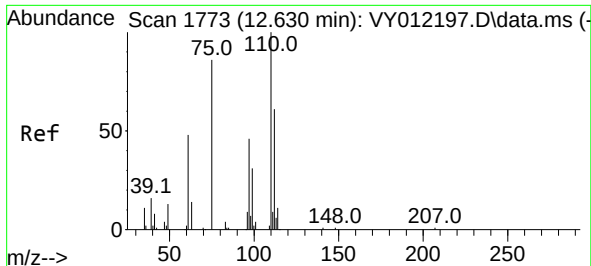
Ion Ratio Lower Upper

152 100

115 57.6 29.1 87.3

150 166.8 0.0 342.6

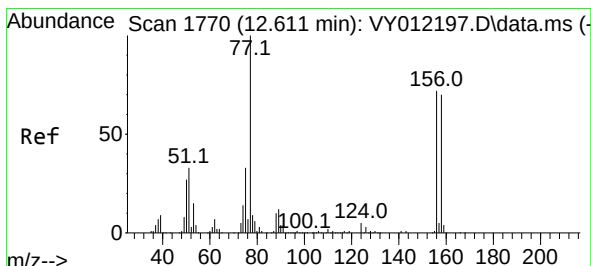
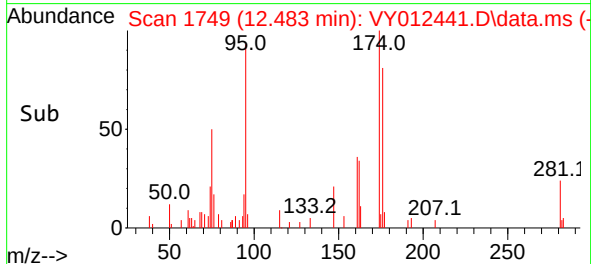
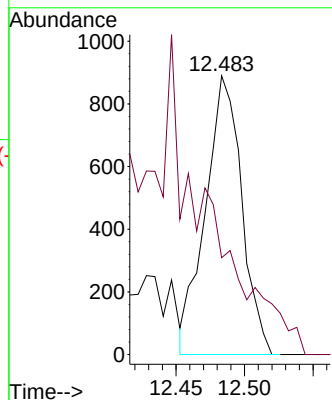
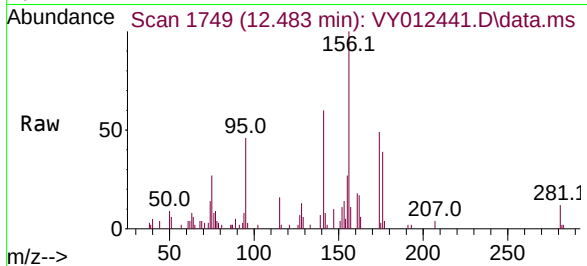




#76
1,2,3-Trichloropropane
Concen: 77.120 ug/l
RT: 12.483 min Scan# 1734
Delta R.T. -0.147 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

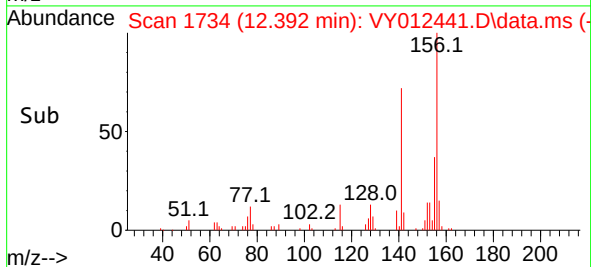
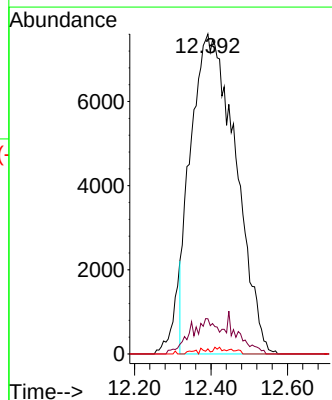
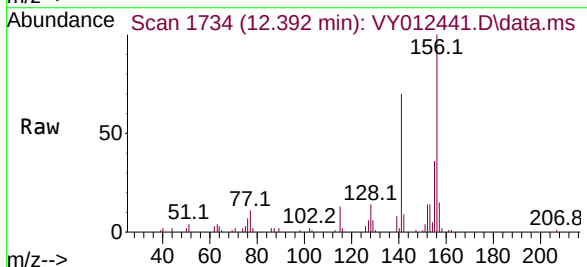
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

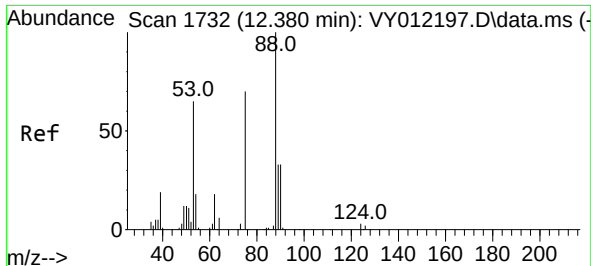
Tgt Ion: 75 Resp: 1636
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 1538.428 ug/l
RT: 12.392 min Scan# 1734
Delta R.T. -0.213 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

Tgt Ion: 156 Resp: 61583
Ion Ratio Lower Upper
156 100
77 3.5 90.0 270.0#
158 0.2 48.4 145.2#

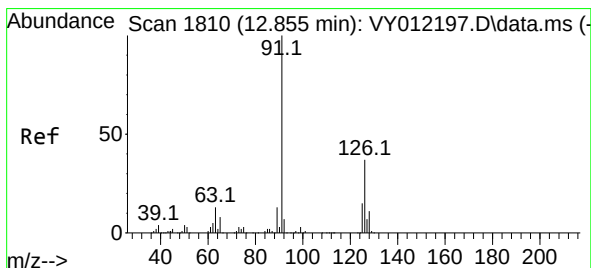
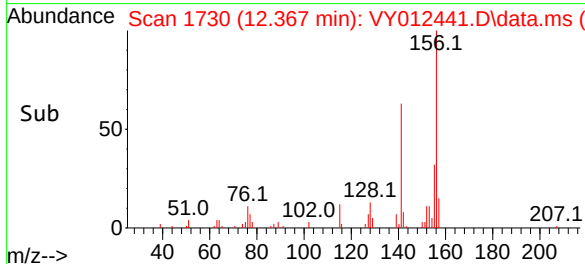
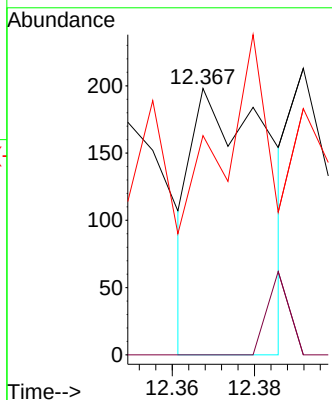
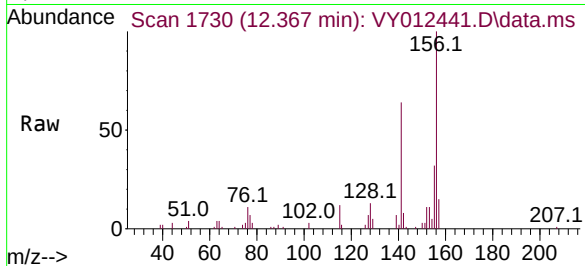




#81
trans-1,4-Dichloro-2-butene
Concen: 24.573 ug/l
RT: 12.367 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

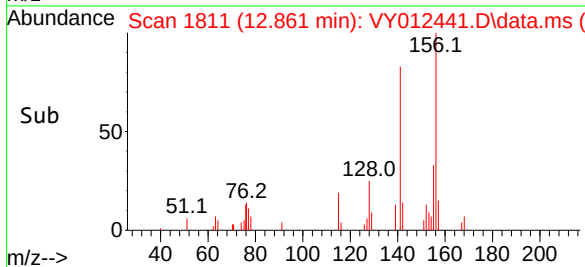
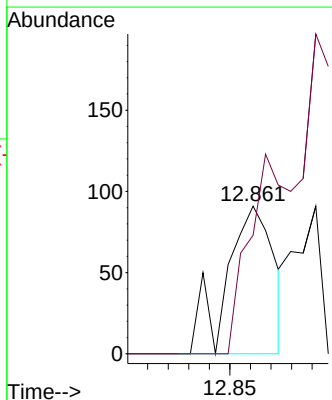
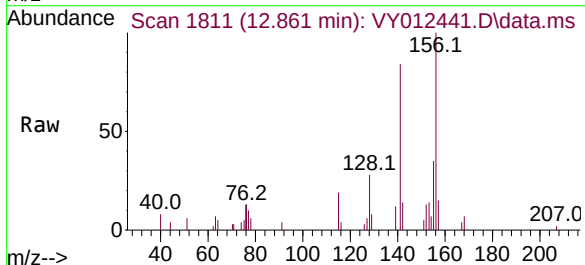
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

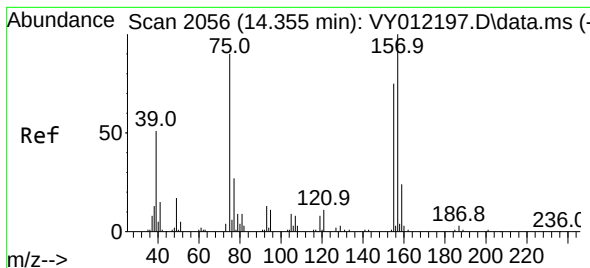
Tgt Ion: 75 Resp: 253
Ion Ratio Lower Upper
75 100
53 9.1 72.5 108.7#
89 44.7 37.0 55.4



#82
4-Chlorotoluene
Concen: 1.263 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

Tgt Ion: 91 Resp: 146
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

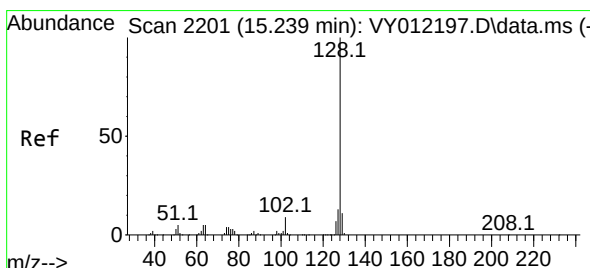
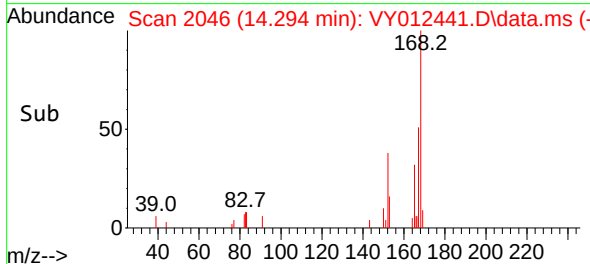
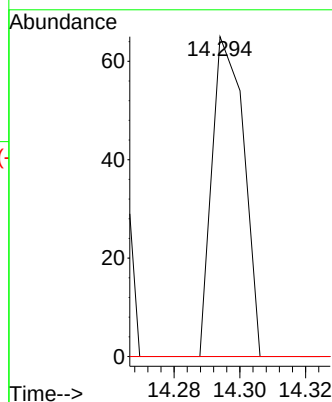
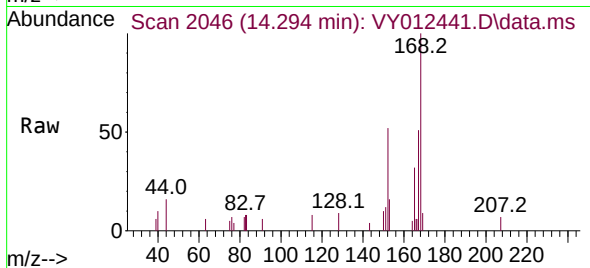




#92
1,2-Dibromo-3-Chloropropane
Concen: 8.125 ug/l
RT: 14.294 min Scan# 2056
Delta R.T. -0.061 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

Tgt Ion: 75 Resp: 44
Ion Ratio Lower Upper
75 100
155 0.0 42.3 126.8#
157 0.0 54.4 163.3#



#95
Naphthalene
Concen: 11.086 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012441.D
Acq: 01 Feb 2023 14:52

Tgt Ion: 128 Resp: 996
Ion Ratio Lower Upper
128 100
127 9.8 10.2 15.2#
129 8.3 8.8 13.2#

