

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112222\
 Data File : VY011547.D
 Acq On : 22 Nov 2022 14:51
 Operator : KP/MD
 Sample : N5749-15
 Misc : 4.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:07:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

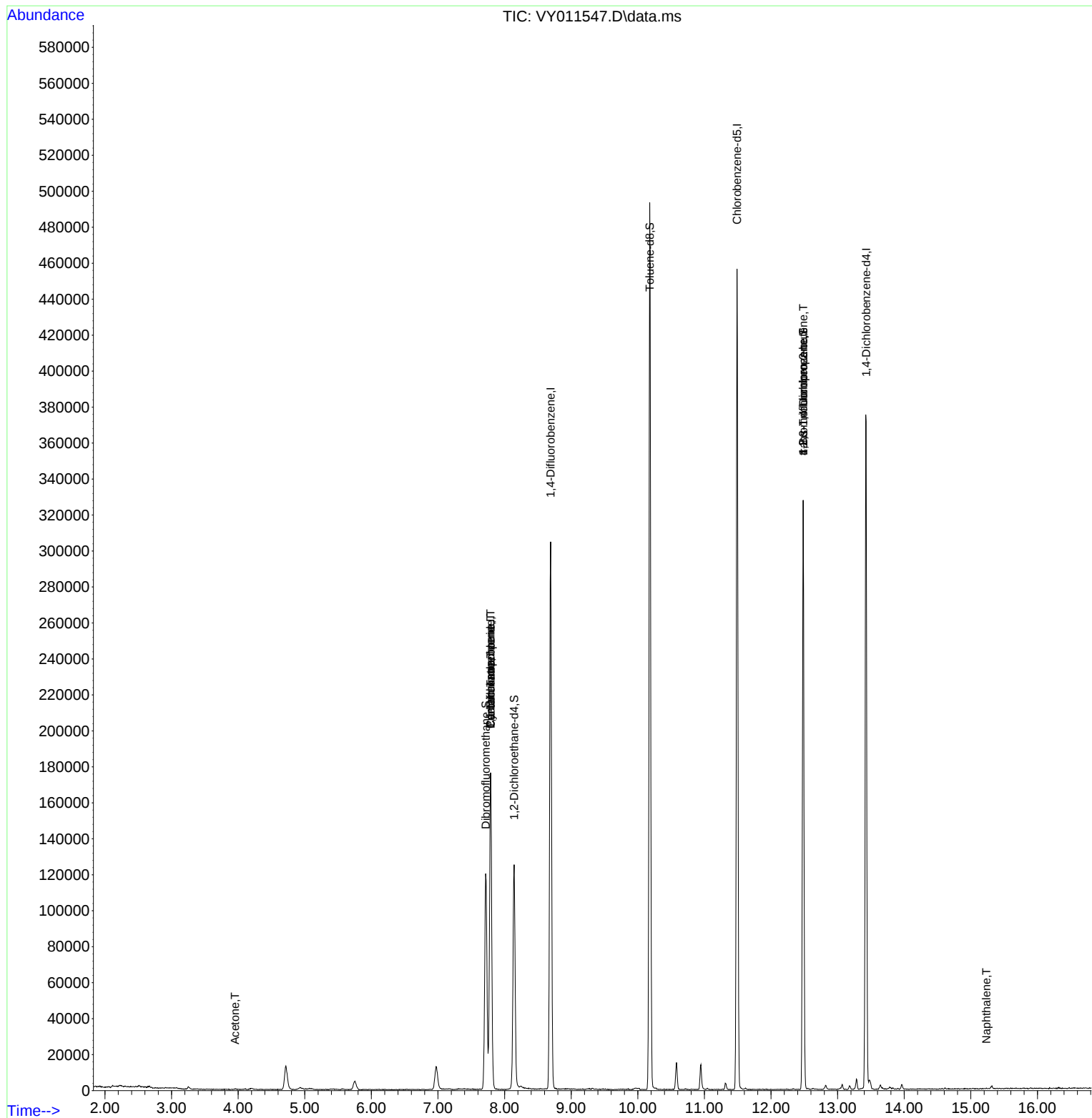
Internal Standards						
1) Pentafluorobenzene	7.789	168	132780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	253550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	94298	69.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.880%	
35) Dibromofluoromethane	7.716	113	84762	54.305	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.620%	
50) Toluene-d8	10.179	98	313121	55.205	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.420%	
62) 4-Bromofluorobenzene	12.483	95	93280	44.481	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.960%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	204	Below Cal	#	43
3) Chloromethane	2.119	50	165	Below Cal	#	44
5) Bromomethane	2.668	94	250	Below Cal	#	58
11) Tert butyl alcohol	4.936	59	1314	Below Cal	#	77
16) Acetone	3.954	43	471	1.076	ug/l #	47
18) Methyl Acetate	4.479	43	134	Below Cal	#	56
20) Methylene Chloride	4.716	84	9073	Below Cal		87
31) Cyclohexane	7.789	56	2991	1.338	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10531	4.316	ug/l #	47
38) Carbon Tetrachloride	7.789	117	13645	4.999	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	50119	48.177	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50119	105.523	ug/l #	7
95) Naphthalene	15.233	128	196	4.073	ug/l #	69

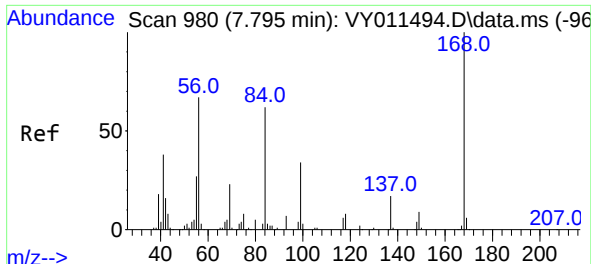
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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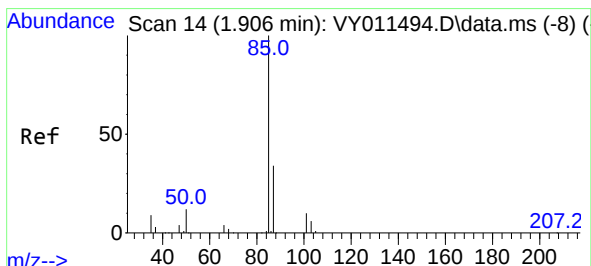
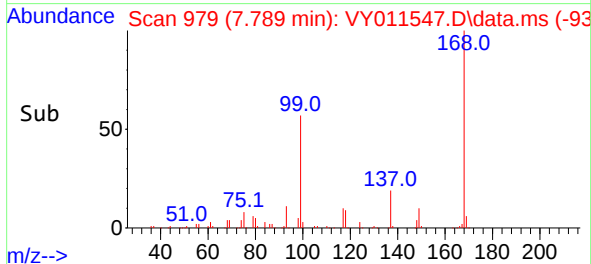
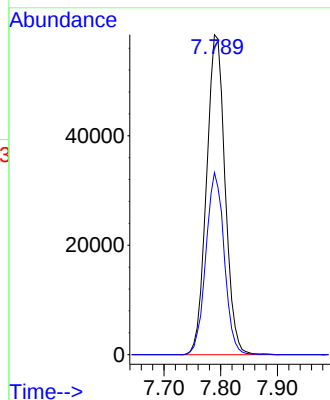
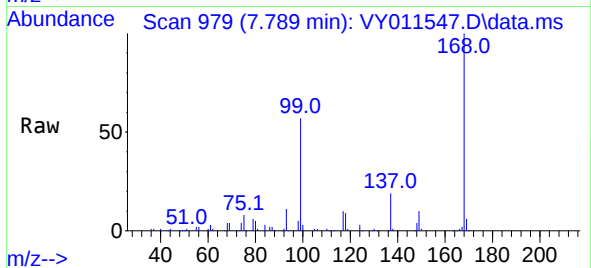




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

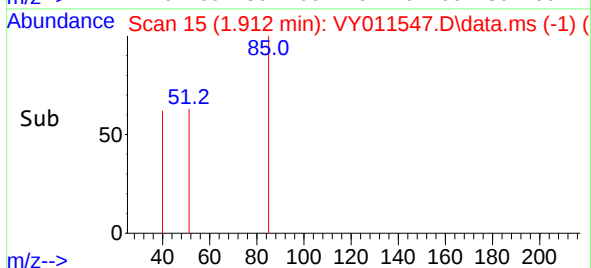
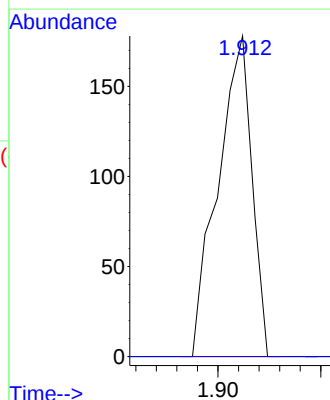
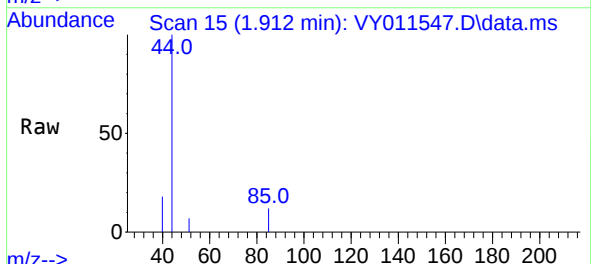
Instrument :
MSVOA_Y
ClientSampleId :

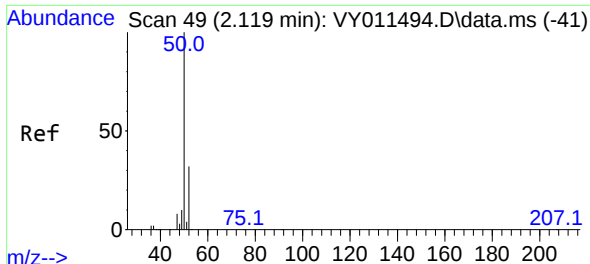
Tgt Ion:168 Resp: 132780
Ion Ratio Lower Upper
168 100
99 56.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

Tgt Ion: 85 Resp: 204
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

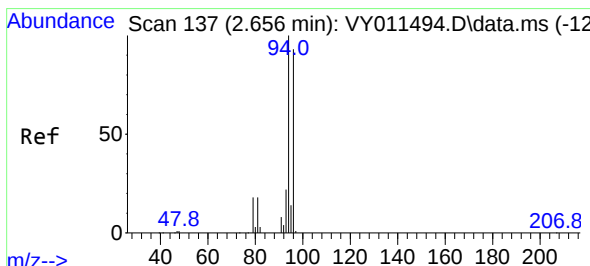
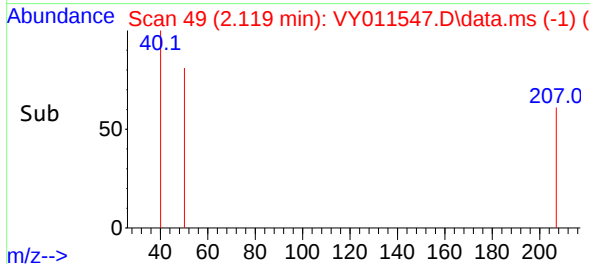
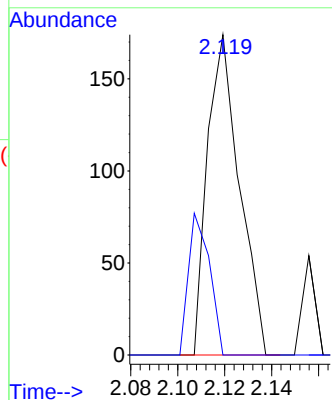
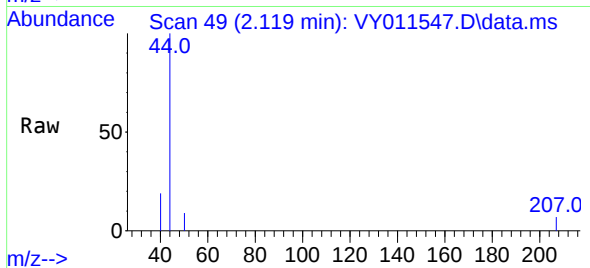




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

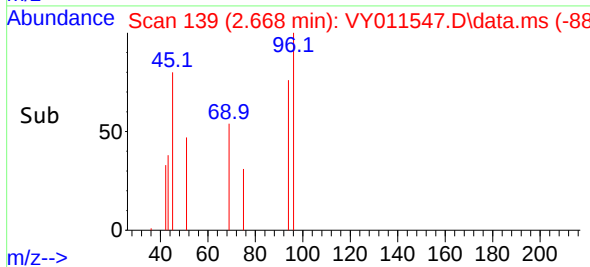
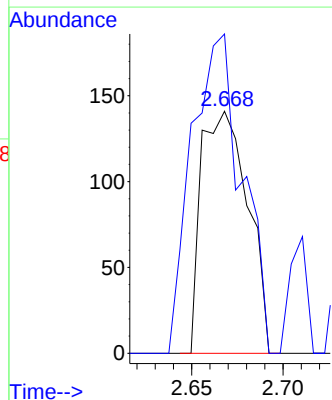
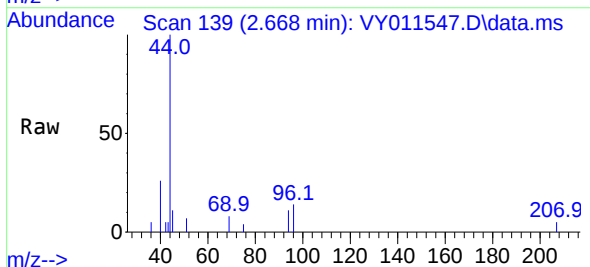
Instrument :
MSVOA_Y
ClientSampleId :

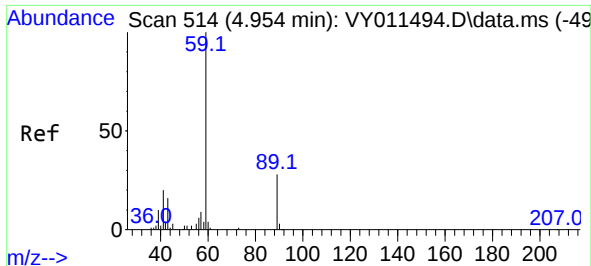
Tgt Ion: 50 Resp: 165
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

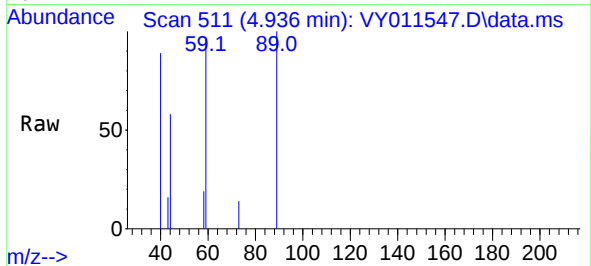
Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 131.9 73.5 110.3#



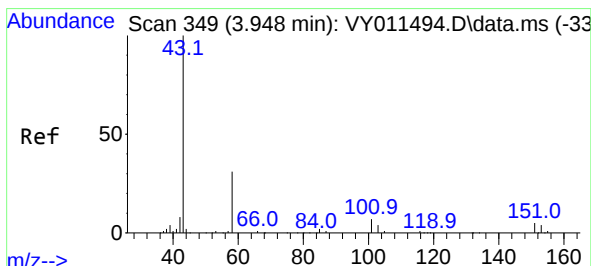
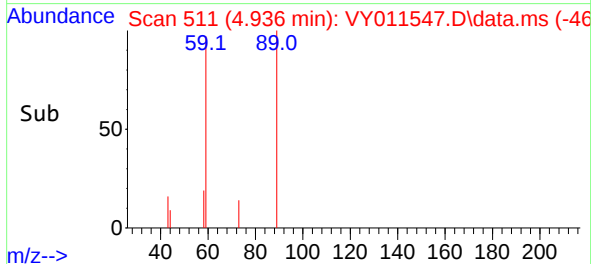
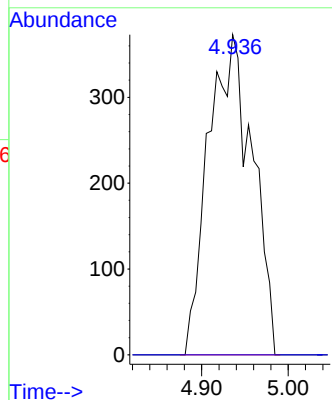


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

Instrument :
MSVOA_Y
ClientSampleId :

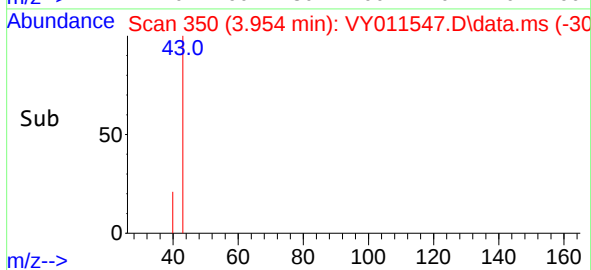
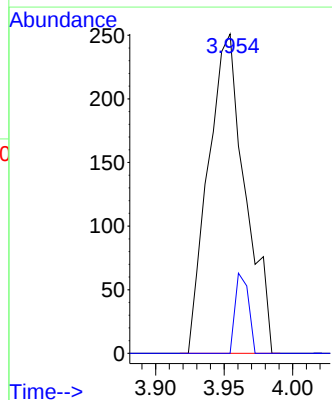
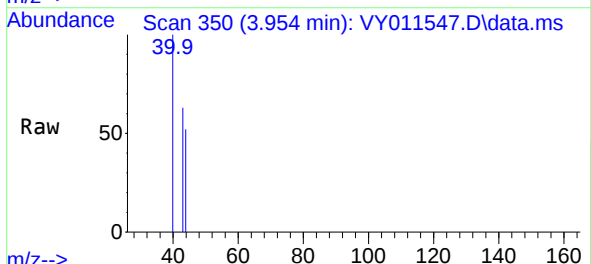


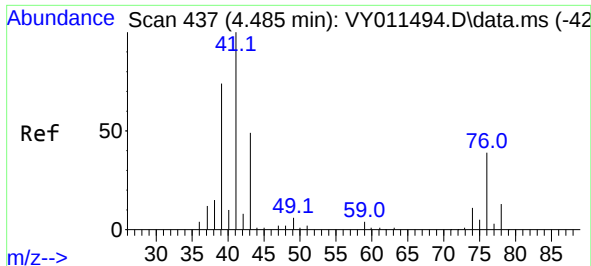
Tgt Ion: 59 Resp: 1314
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.076 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

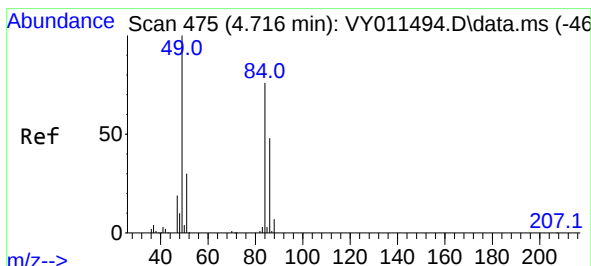
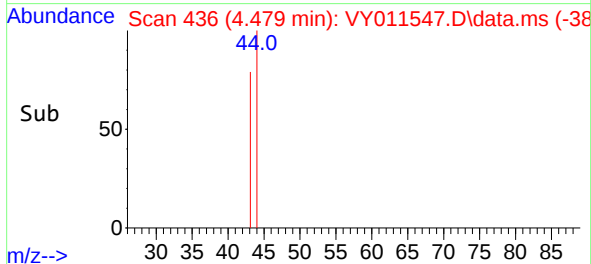
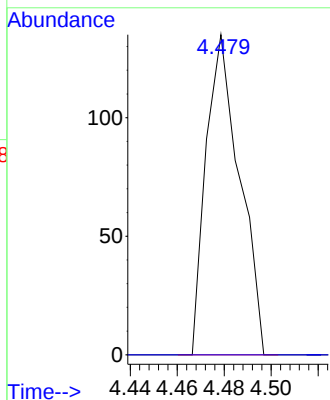
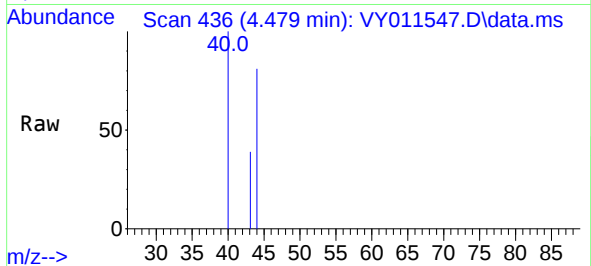




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

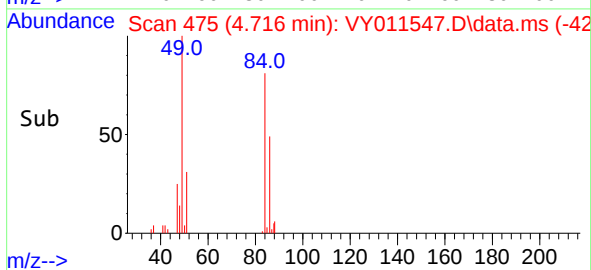
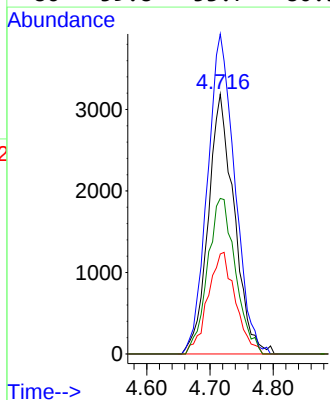
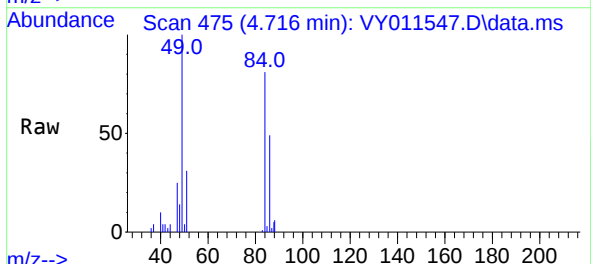
Instrument :
MSVOA_Y
ClientSampleId :

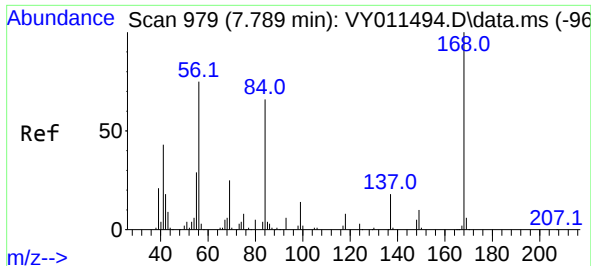
Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

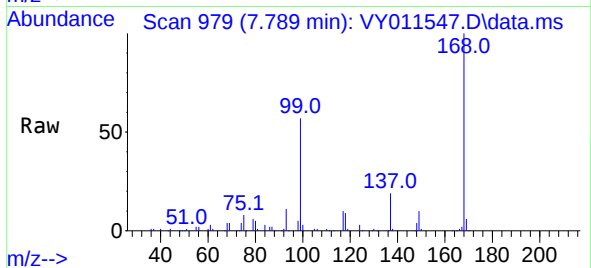
Tgt Ion: 84 Resp: 9073
Ion Ratio Lower Upper
84 100
49 123.1 114.4 171.6
51 38.5 35.3 52.9
86 59.8 53.7 80.5



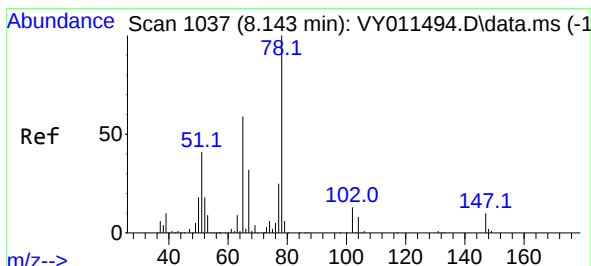
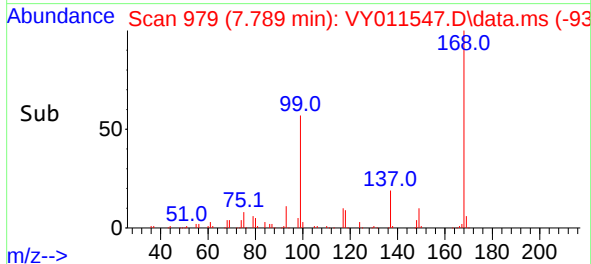
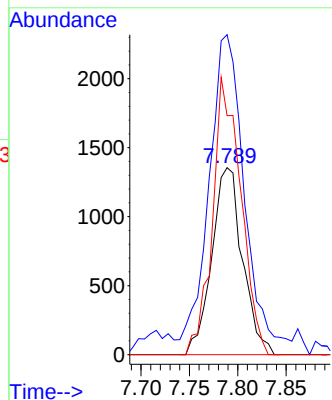


#31
Cyclohexane
Concen: 1.338 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

Instrument :
MSVOA_Y
ClientSampleId :

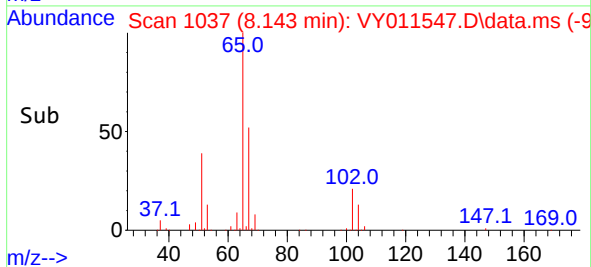
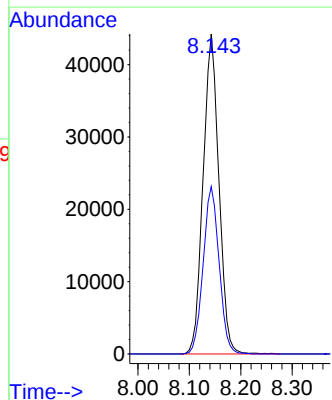
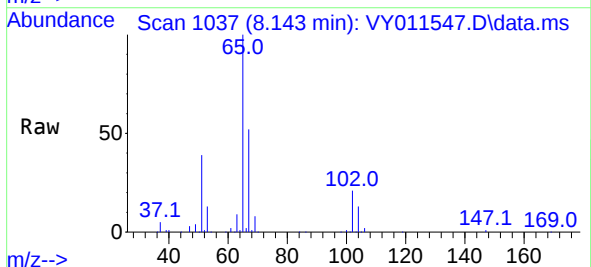


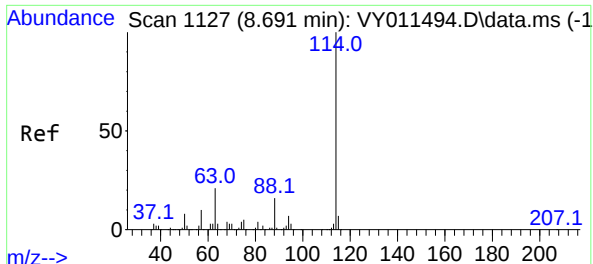
Tgt Ion: 56 Resp: 2991
Ion Ratio Lower Upper
56 100
69 163.1 26.7 40.1#
84 127.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 69.941 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

Tgt Ion: 65 Resp: 94298
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011547.D

Acq: 22 Nov 2022 14:51

Instrument :

MSVOA_Y

ClientSampleId :

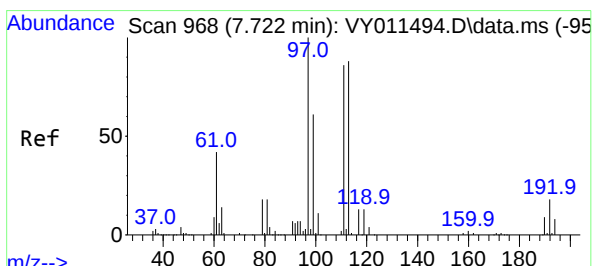
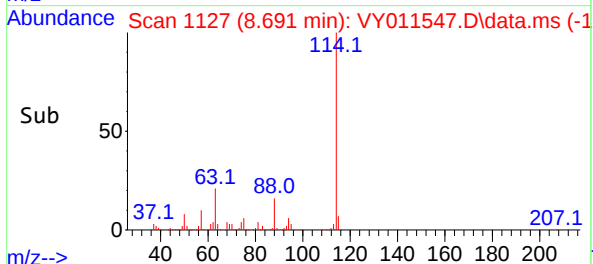
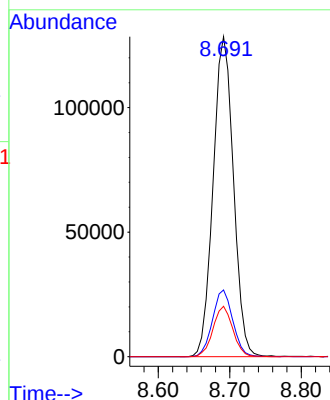
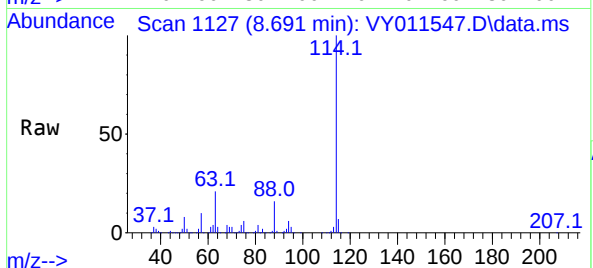
Tgt Ion:114 Resp: 253550

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.305 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011547.D

Acq: 22 Nov 2022 14:51

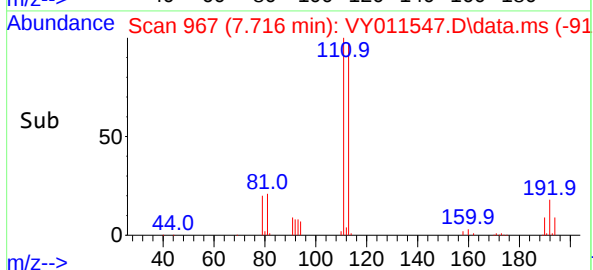
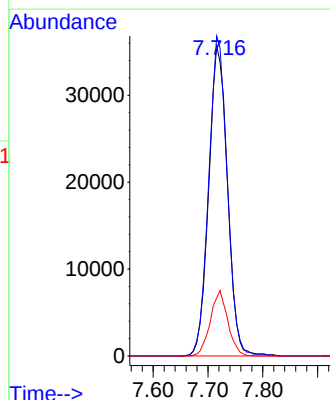
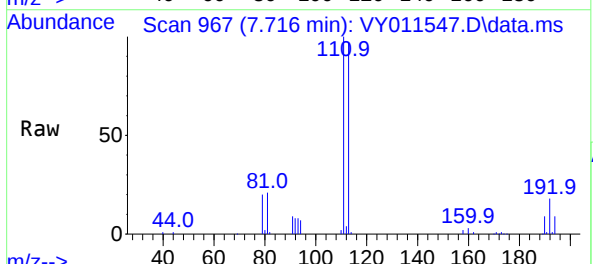
Tgt Ion:113 Resp: 84762

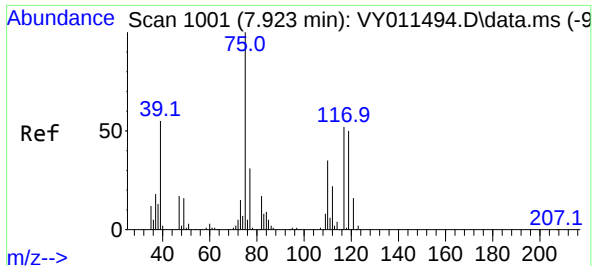
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.316 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

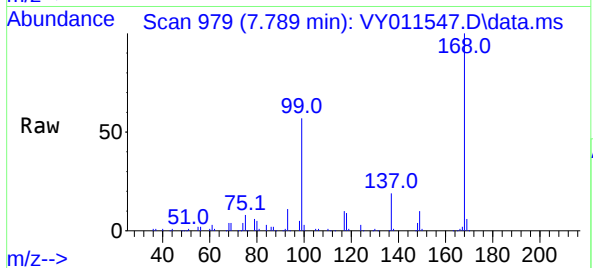
Lab File: VY011547.D

Acq: 22 Nov 2022 14:51

Instrument :

MSVOA_Y

ClientSampleId :



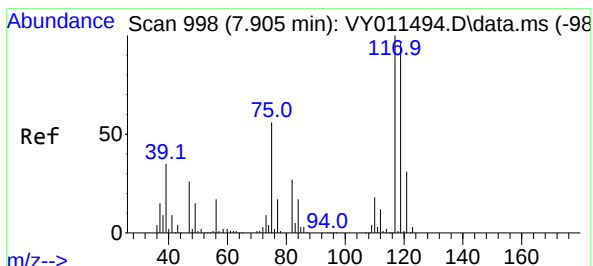
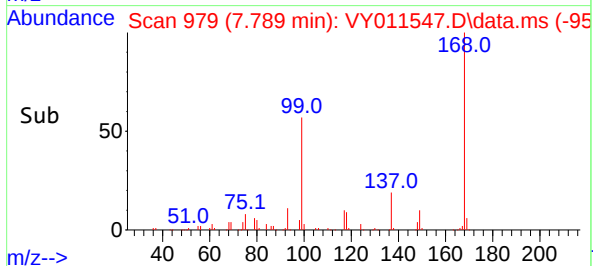
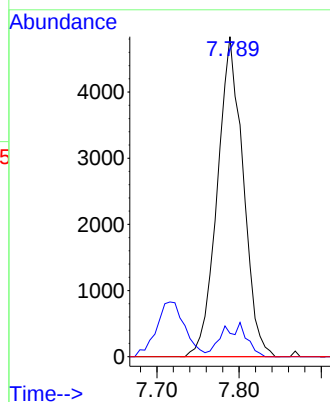
Tgt Ion: 75 Resp: 10531

Ion Ratio Lower Upper

75 100

110 4.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.999 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011547.D

Acq: 22 Nov 2022 14:51

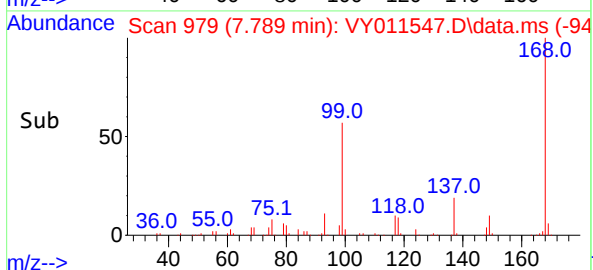
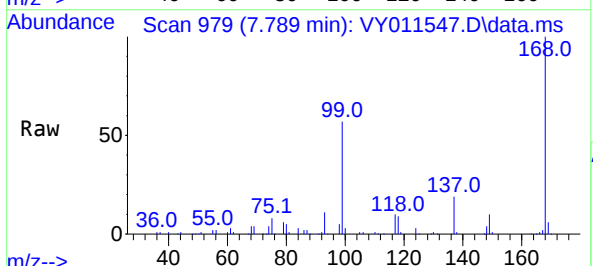
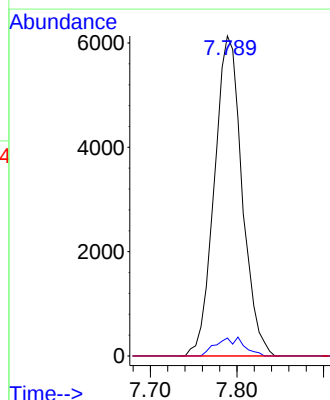
Tgt Ion: 117 Resp: 13645

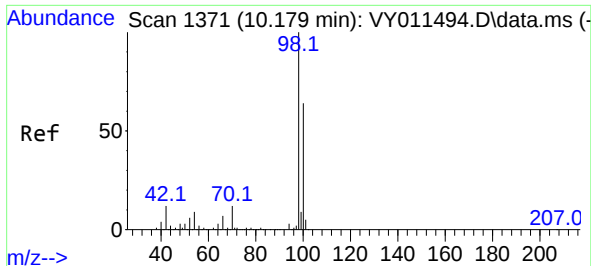
Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

121 0.0 24.8 37.2#

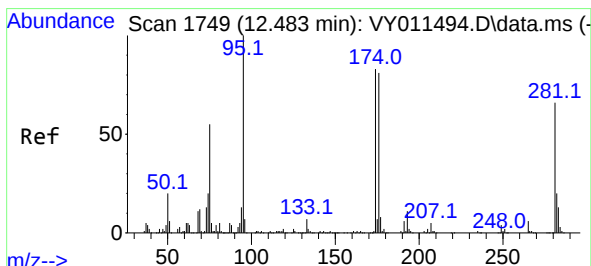
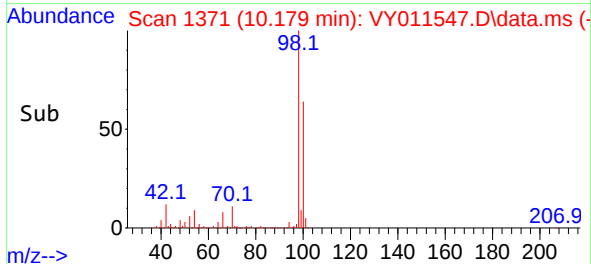
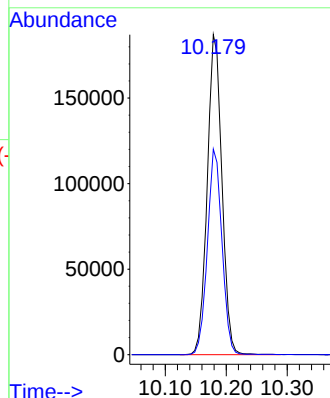
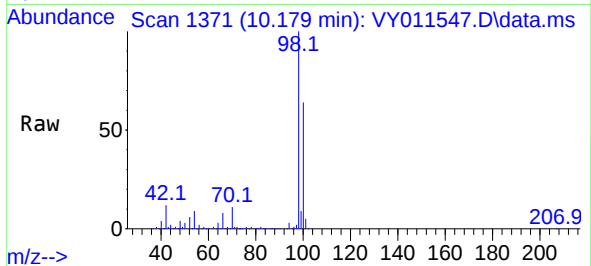




#50
Toluene-d8
Concen: 55.205 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

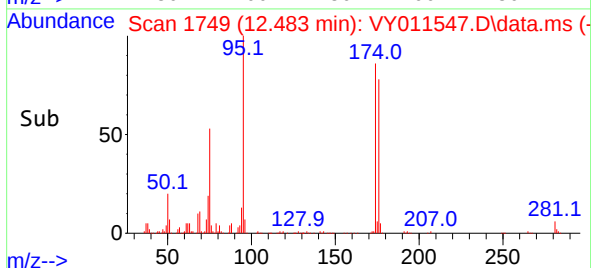
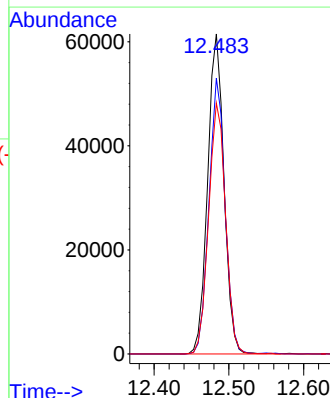
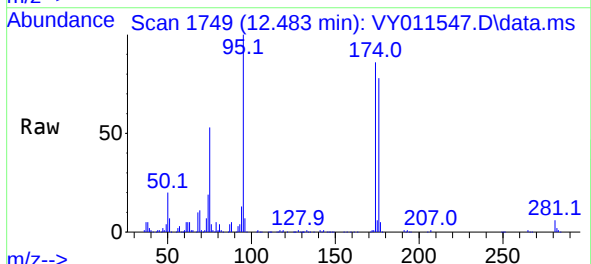
Instrument :
MSVOA_Y
ClientSampleId :

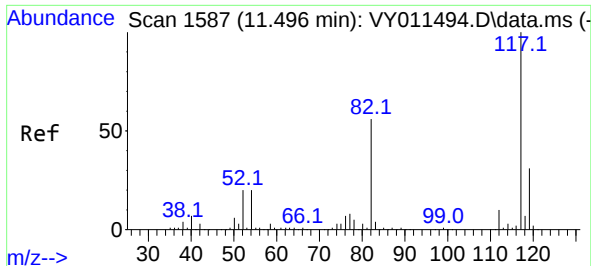
Tgt Ion: 98 Resp: 313121
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.481 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

Tgt Ion: 95 Resp: 93280
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 81.2 0.0 175.8

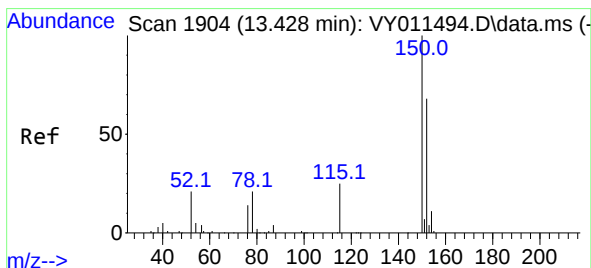
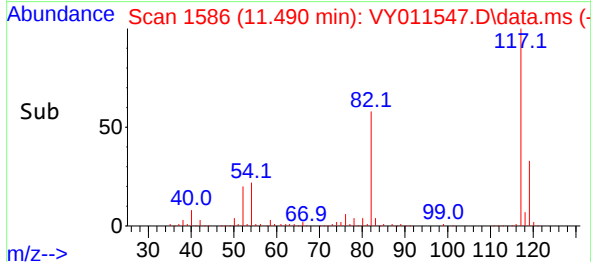
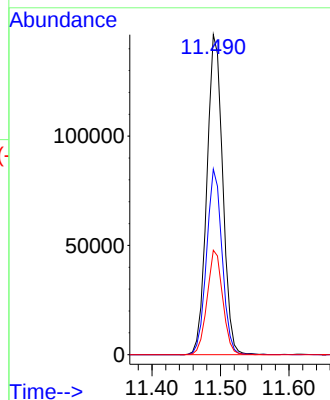
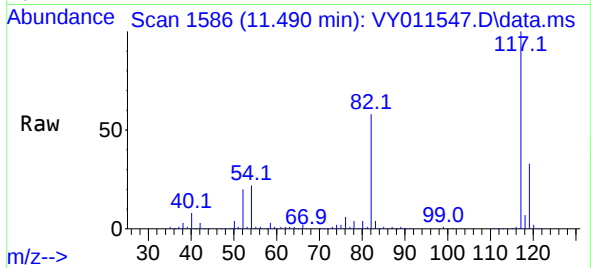




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

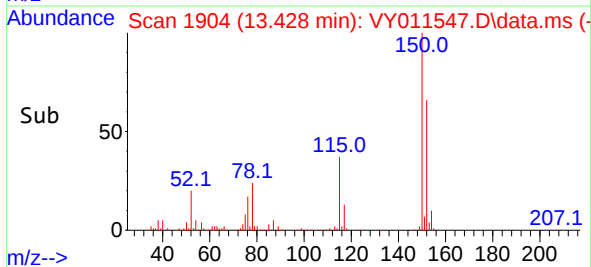
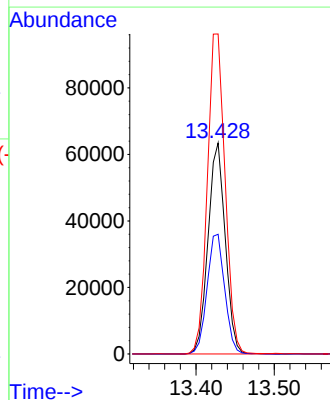
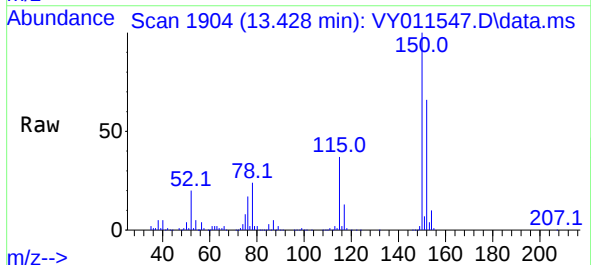
Instrument :
MSVOA_Y
ClientSampleId :

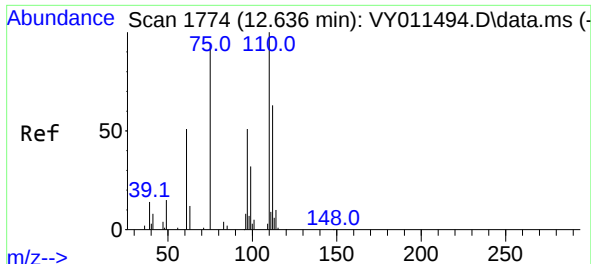
Tgt Ion:117 Resp: 235500
Ion Ratio Lower Upper
117 100
82 58.0 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

Tgt Ion:152 Resp: 96600
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 156.0 0.0 347.6

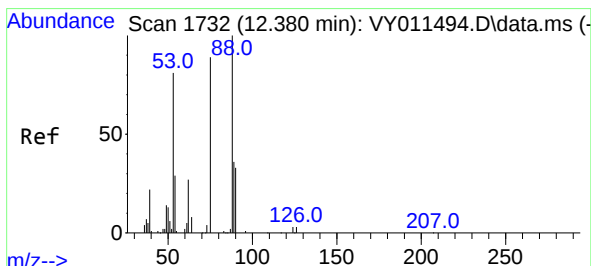
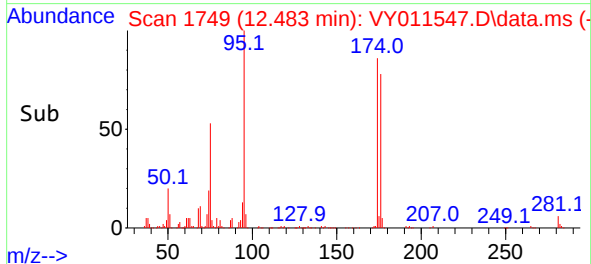
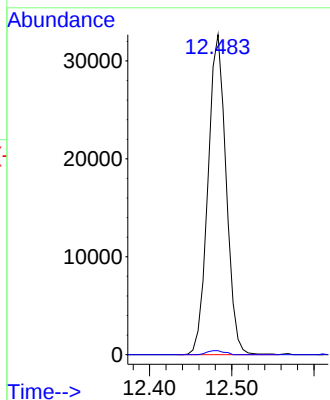
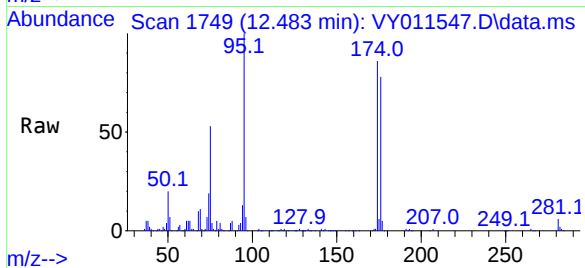




#76
1,2,3-Trichloropropane
Concen: 48.177 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

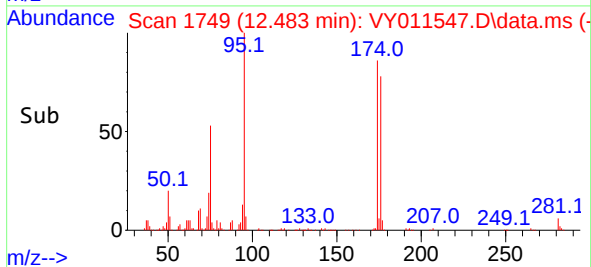
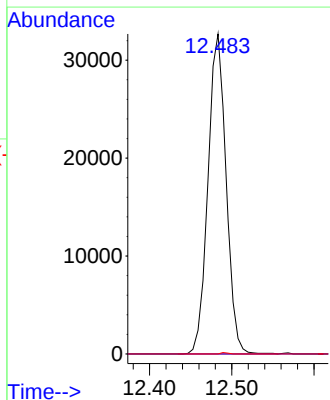
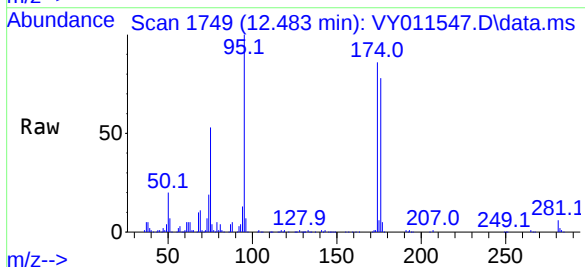
Instrument :
MSVOA_Y
ClientSampleId :

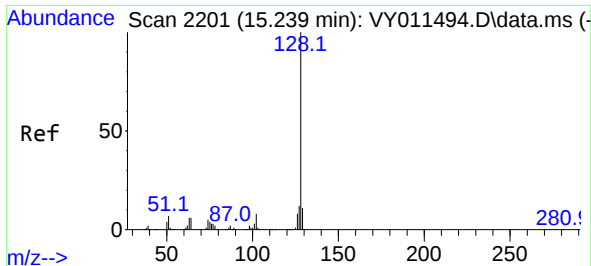
Tgt Ion: 75 Resp: 50119
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.523 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

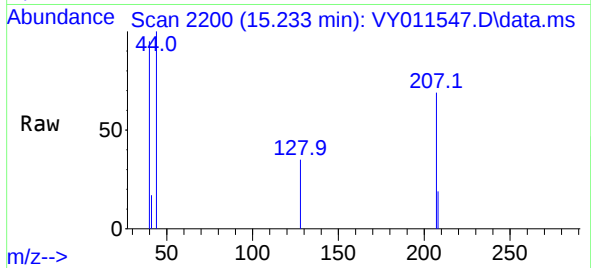
Tgt Ion: 75 Resp: 50119
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#





#95
Naphthalene
Concen: 4.073 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011547.D
Acq: 22 Nov 2022 14:51

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 196
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

