

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011950.D
 Acq On : 21 Dec 2022 16:34
 Operator : KP/MD
 Sample : N6092-04
 Misc : 3.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20221267-LOCATION-15

Quant Time: Dec 22 00:14:23 2022
 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)

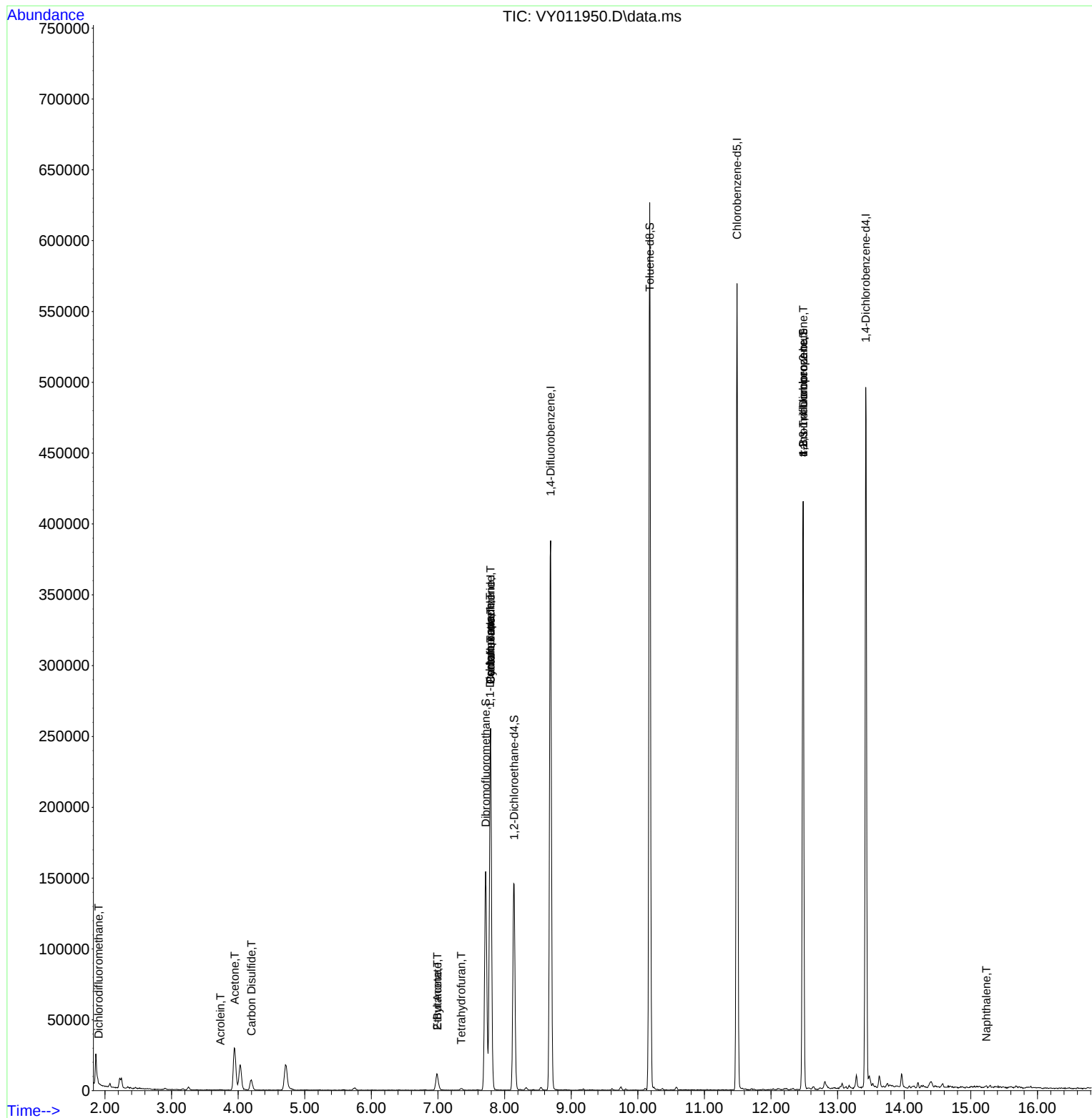
Internal Standards						
1) Pentafluorobenzene	7.789	168	196606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	340302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	313714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	119903	60.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.060%	
35) Dibromofluoromethane	7.716	113	106322	51.897	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.800%	
50) Toluene-d8	10.179	98	414004	49.807	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.620%	
62) 4-Bromofluorobenzene	12.483	95	126144	45.123	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.240%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	57	2.502	ug/l #	41
11) Tert butyl alcohol	4.942	59	174	Below Cal	#	74
13) Acrolein	3.735	56	322	1.739	ug/l #	14
16) Acetone	3.948	43	52703	92.257	ug/l	94
17) Carbon Disulfide	4.198	76	14334	2.416	ug/l	97
25) 2-Butanone	6.990	43	18139	27.491	ug/l	98
29) Tetrahydrofuran	7.350	42	853	2.282	ug/l	95
31) Cyclohexane	7.789	56	3930	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14141	4.303	ug/l #	50
37) Ethyl Acetate	6.990	43	18139	12.303	ug/l #	68
38) Carbon Tetrachloride	7.789	117	19621	5.170	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	65043	39.842	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65043	109.108	ug/l #	13
95) Naphthalene	15.233	128	832	2.941	ug/l #	84

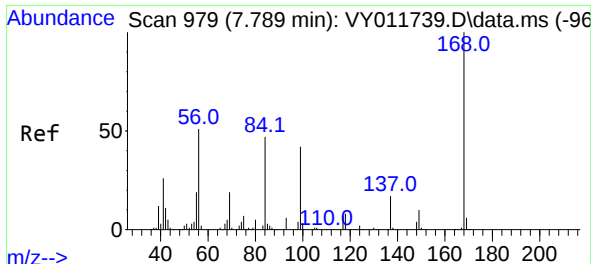
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 3.99g/5.0mL/MSVOA_Y/SOIL
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
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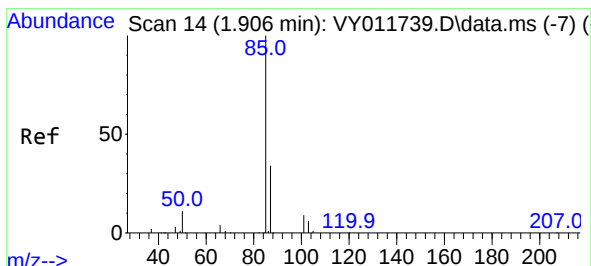
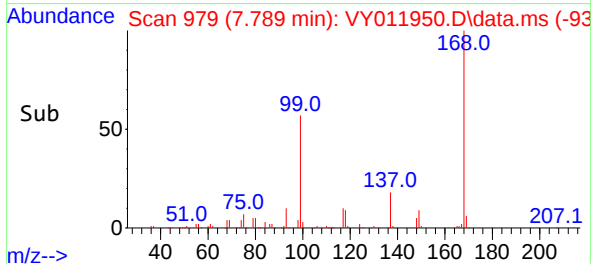
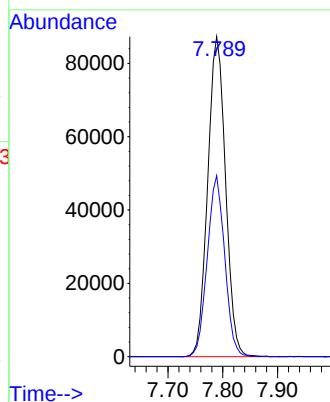
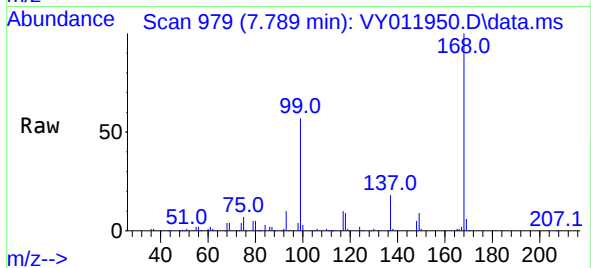




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

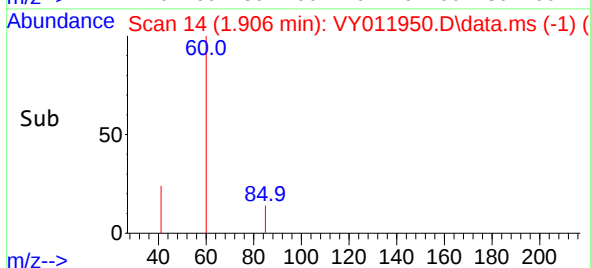
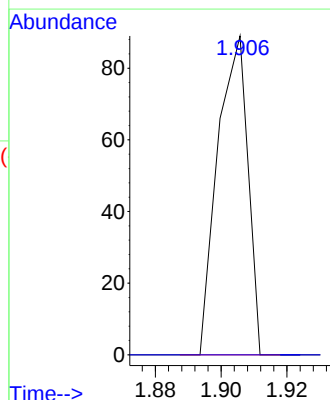
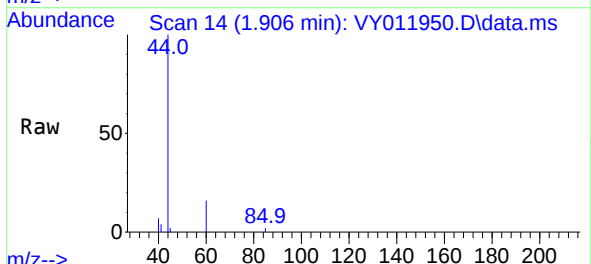
Instrument :
MSVOA_Y
ClientSampleId :
20221267-LOCATION-15

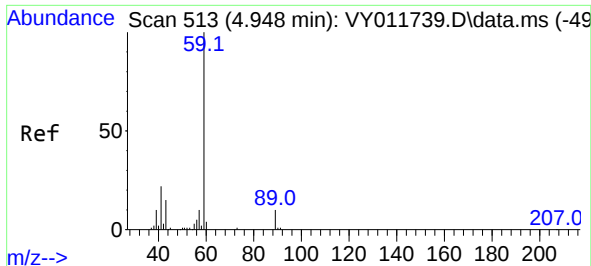
Tgt Ion:168 Resp: 196606
Ion Ratio Lower Upper
168 100
99 56.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.502 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 85 Resp: 57
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY011950.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_Y

ClientSampleId :

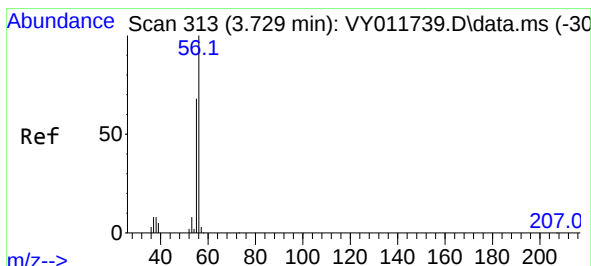
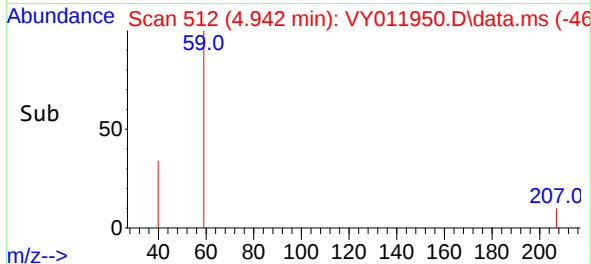
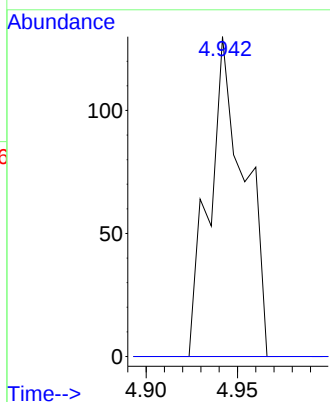
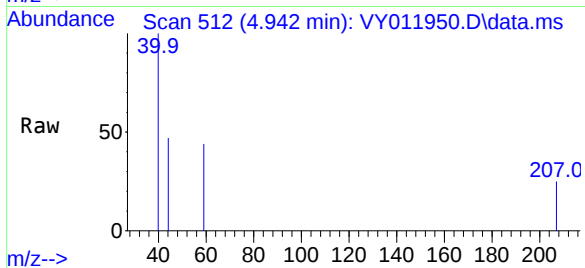
20221267-LOCATION-15

Tgt Ion: 59 Resp: 174

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 1.739 ug/l

RT: 3.735 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY011950.D

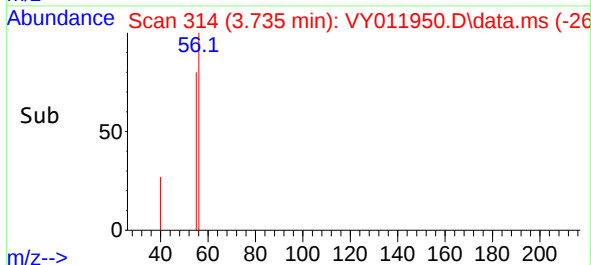
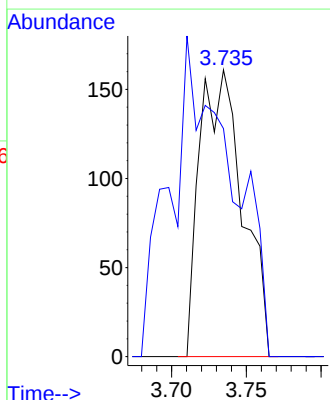
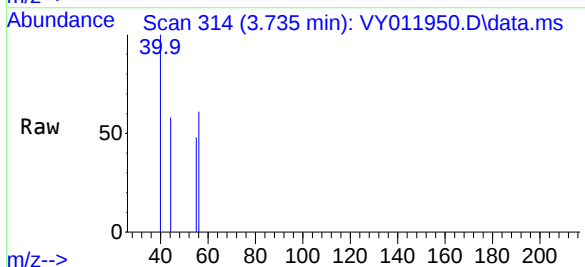
Acq: 21 Dec 2022 16:34

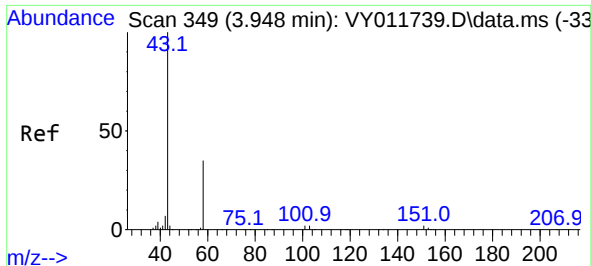
Tgt Ion: 56 Resp: 322

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#

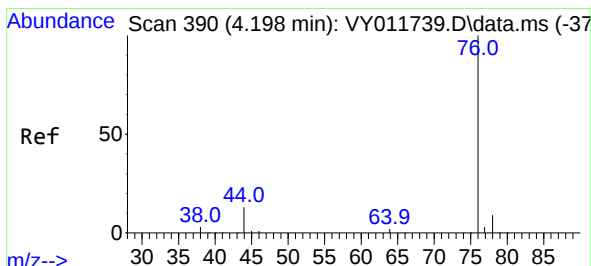
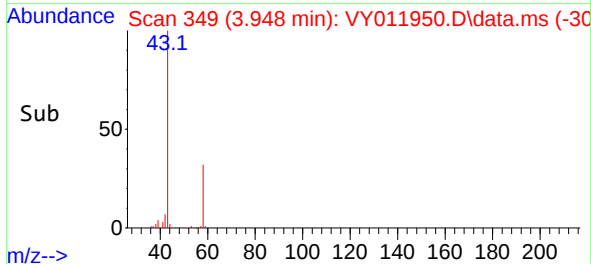
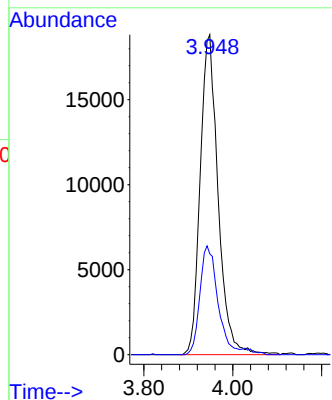
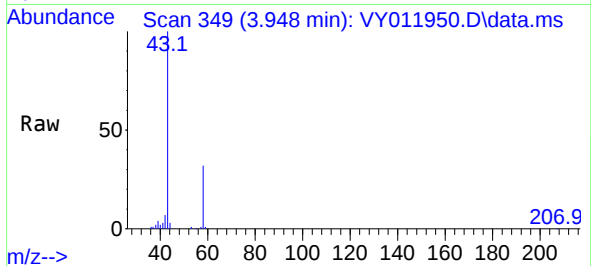




#16
Acetone
Concen: 92.257 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

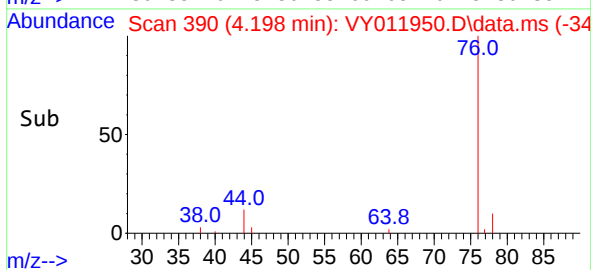
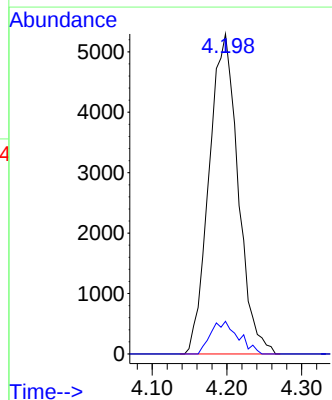
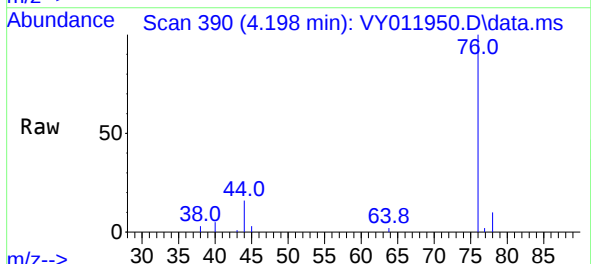
Instrument :
MSVOA_Y
ClientSampleId :
20221267-LOCATION-15

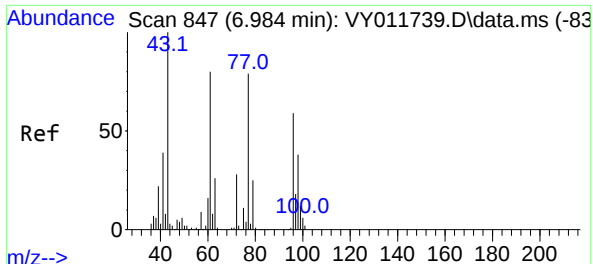
Tgt Ion: 43 Resp: 52703
Ion Ratio Lower Upper
43 100
58 31.5 27.9 41.9



#17
Carbon Disulfide
Concen: 2.416 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 76 Resp: 14334
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8





#25

2-Butanone

Concen: 27.491 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY011950.D

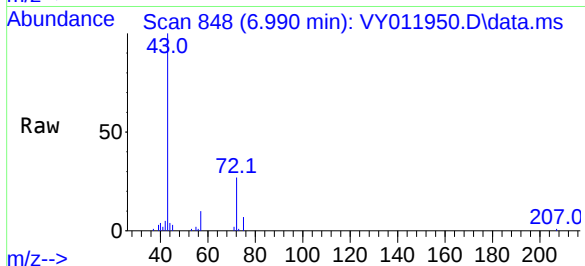
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Instrument :

MSVOA_Y

ClientSampleId :

20221267-LOCATION-15

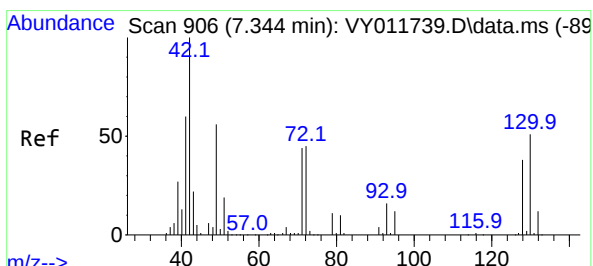
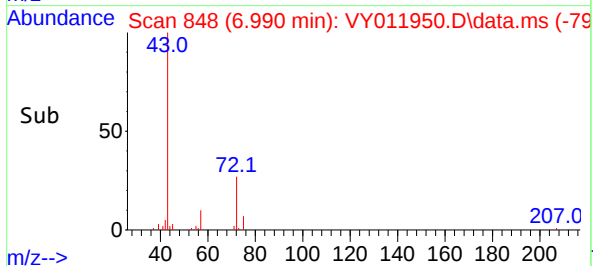
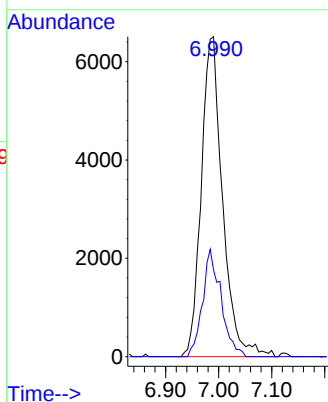


Tgt Ion: 43 Resp: 18139

Ion Ratio Lower Upper

43 100

72 27.0 22.6 34.0



#29

Tetrahydrofuran

Concen: 2.282 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY011950.D

Acq: 21 Dec 2022 16:34

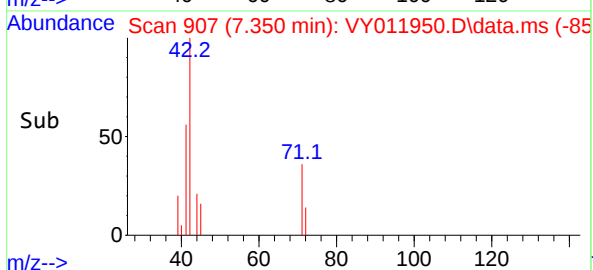
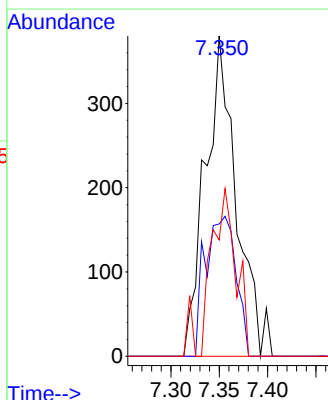
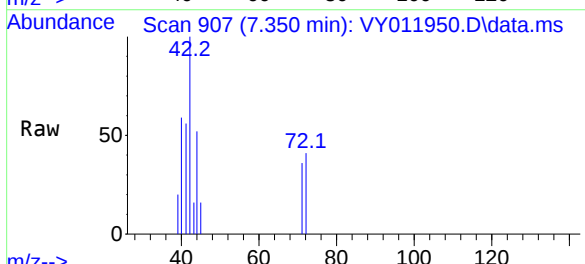
Tgt Ion: 42 Resp: 853

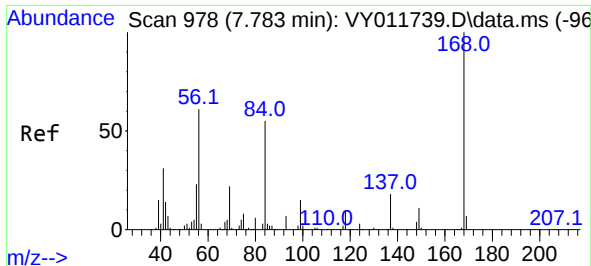
Ion Ratio Lower Upper

42 100

72 43.1 37.0 55.6

71 40.0 34.9 52.3

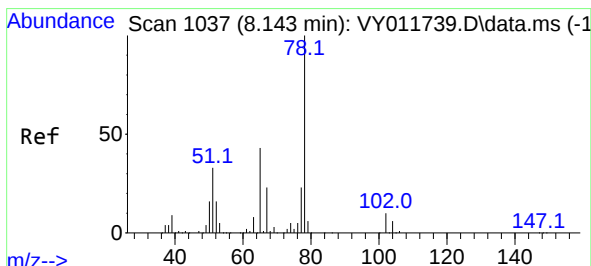
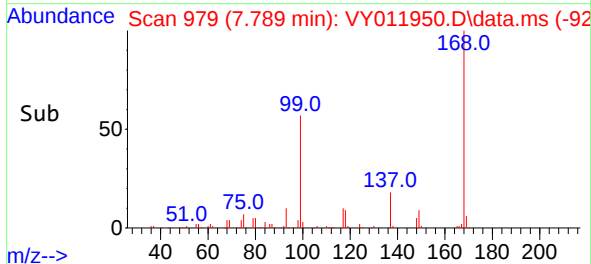
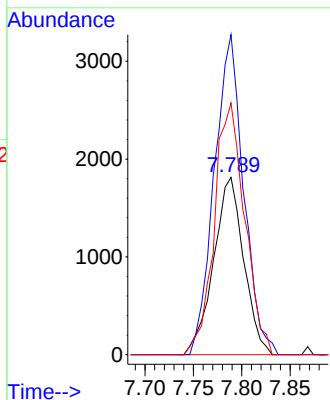
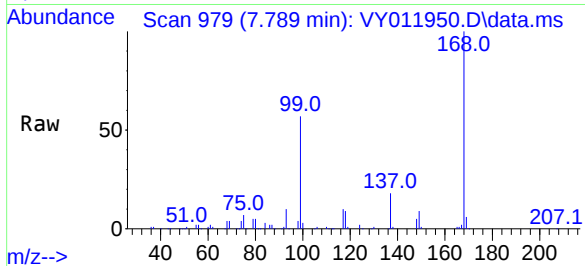




#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

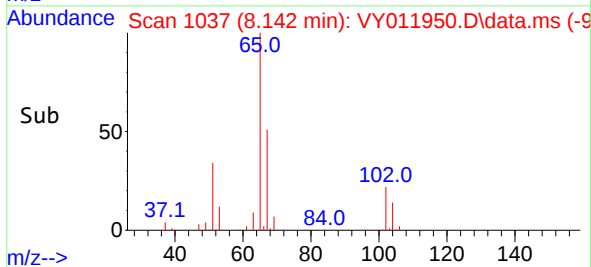
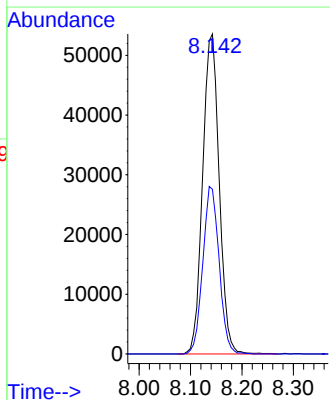
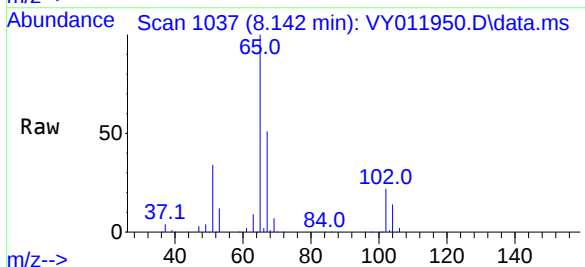
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20221267-LOCATION-15

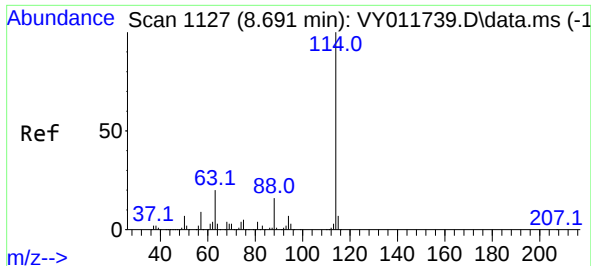
Tgt Ion: 56 Resp: 3930
Ion Ratio Lower Upper
56 100
69 180.5 29.2 43.8#
84 142.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 60.534 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 65 Resp: 119903
Ion Ratio Lower Upper
65 100
67 51.5 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: VY011950.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_Y

ClientSampleId :

20221267-LOCATION-15

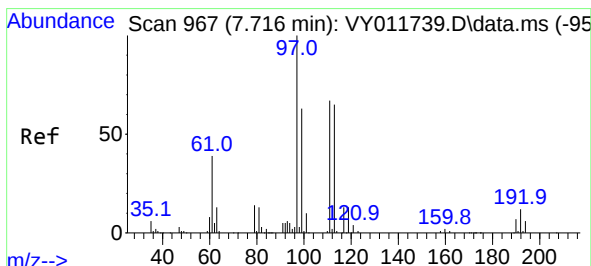
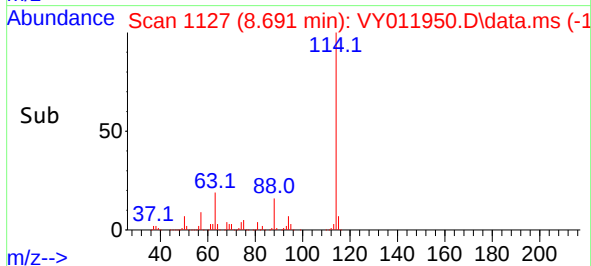
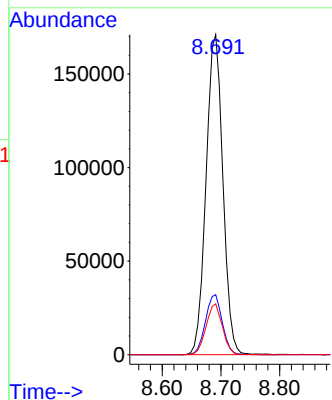
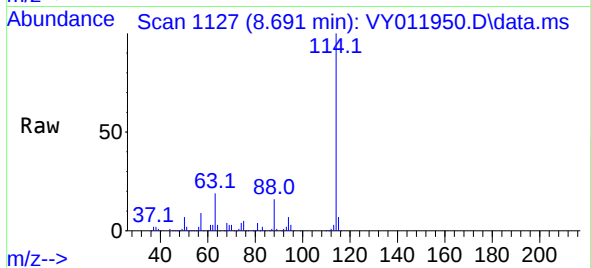
Tgt Ion:114 Resp: 340302

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.897 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011950.D

Acq: 21 Dec 2022 16:34

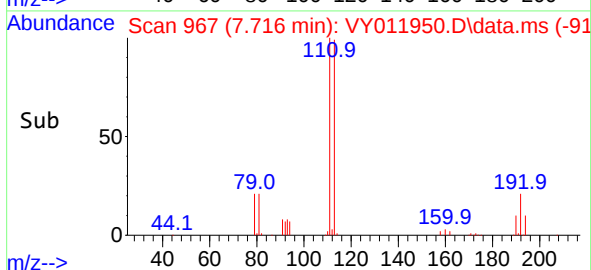
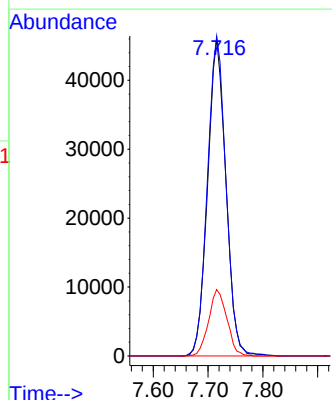
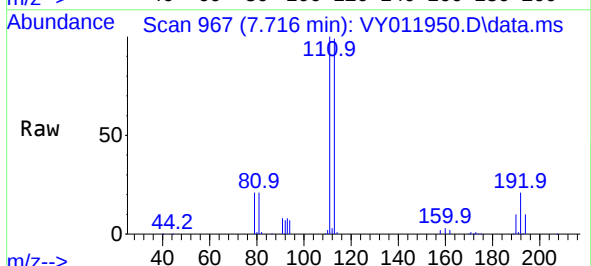
Tgt Ion:113 Resp: 106322

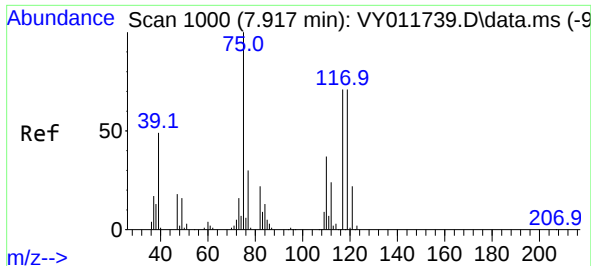
Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.4

192 20.9 16.0 24.0

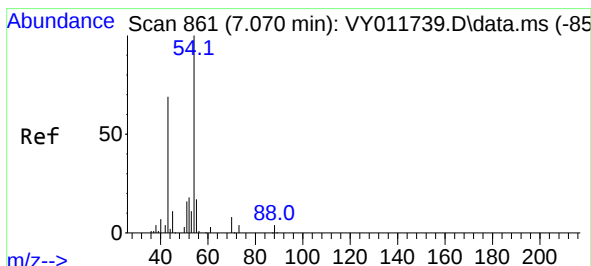
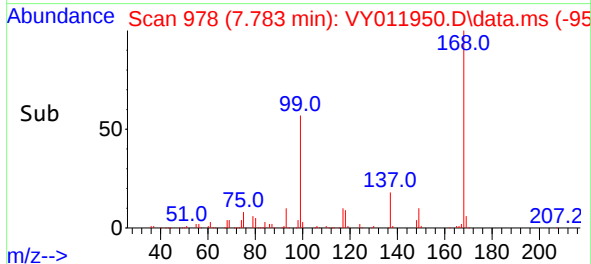
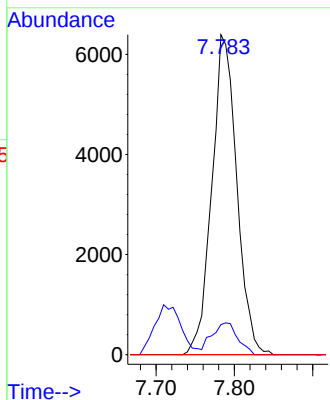
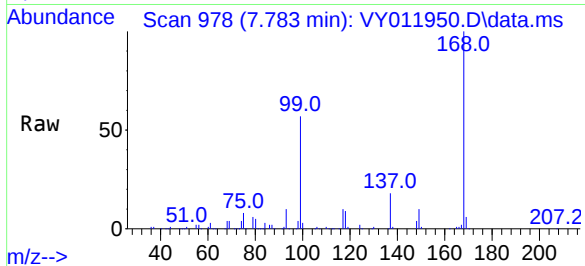




#36
1,1-Dichloropropene
Concen: 4.303 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

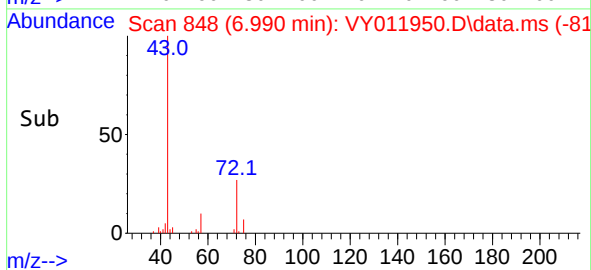
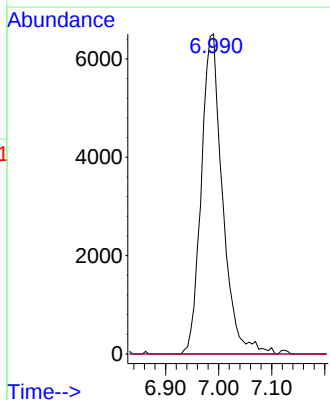
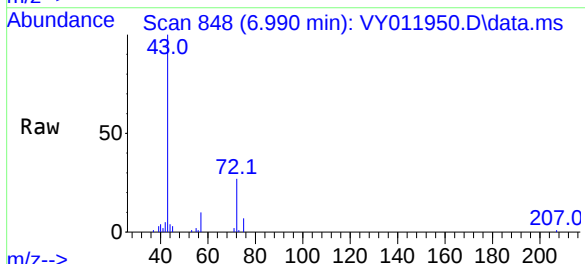
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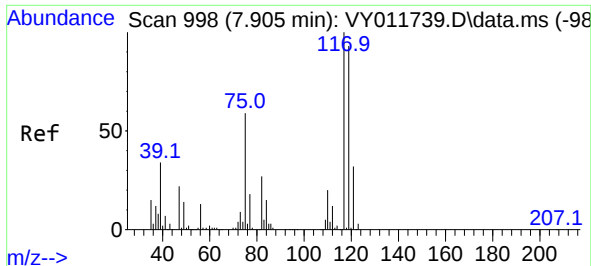
Tgt Ion: 75 Resp: 14141
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.1#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 12.303 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.080 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 43 Resp: 18139
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.2 12.4#

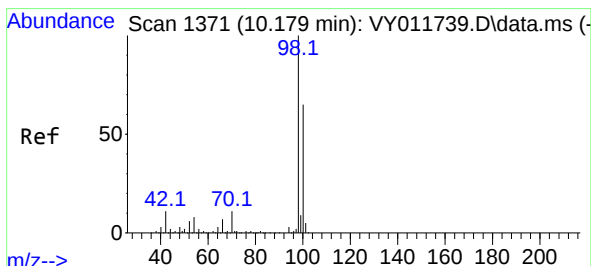
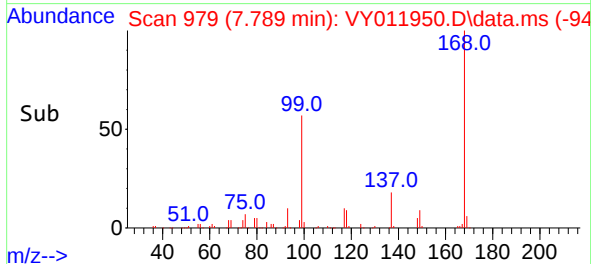
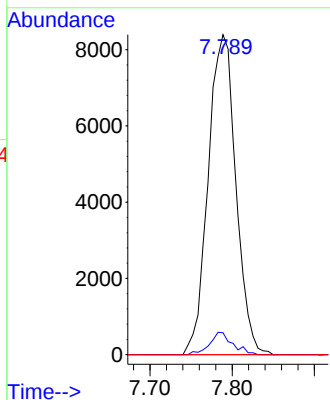
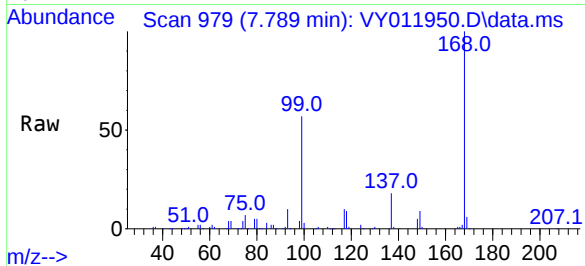




#38
Carbon Tetrachloride
Concen: 5.170 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

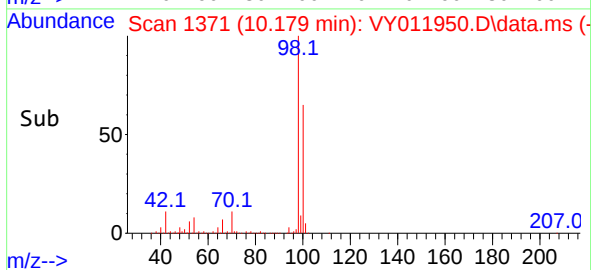
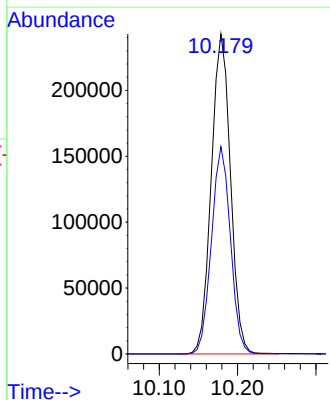
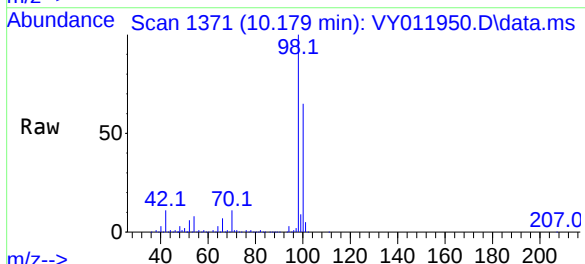
Instrument :
MSVOA_Y
ClientSampleId :
20221267-LOCATION-15

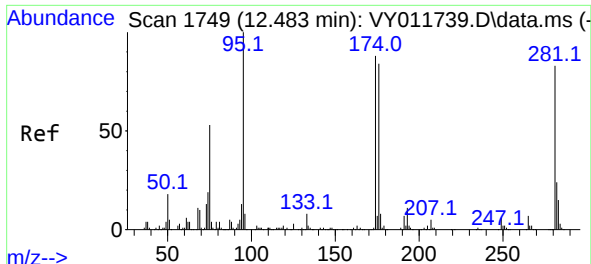
Tgt Ion:117 Resp: 19621
Ion Ratio Lower Upper
117 100
119 6.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.807 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 98 Resp: 414004
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

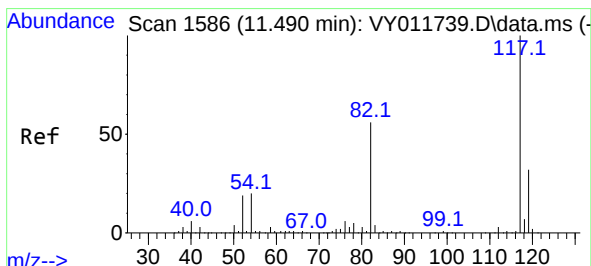
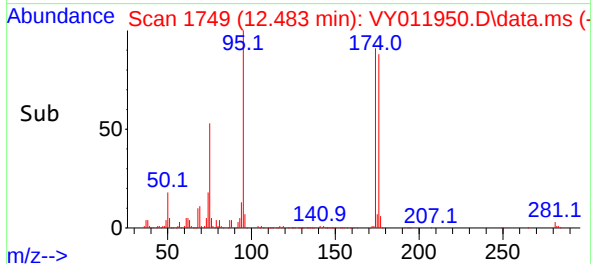
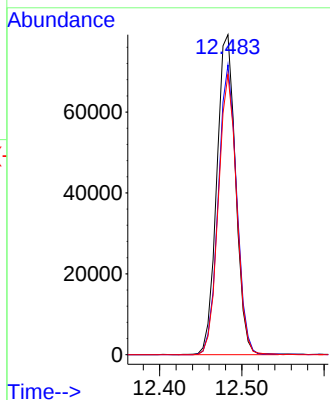
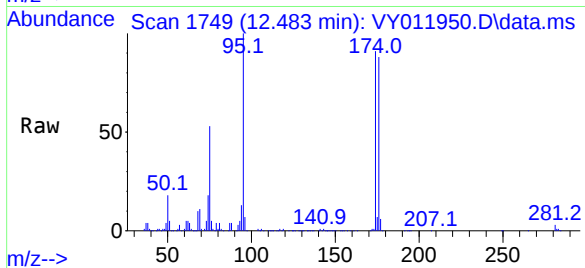




#62
4-Bromofluorobenzene
Concen: 45.123 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

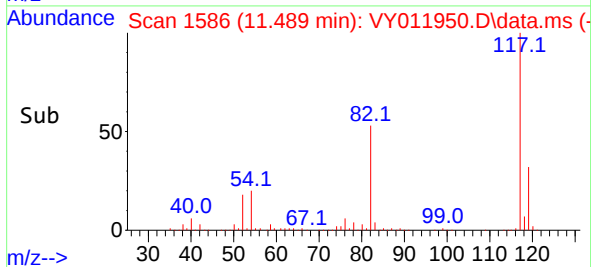
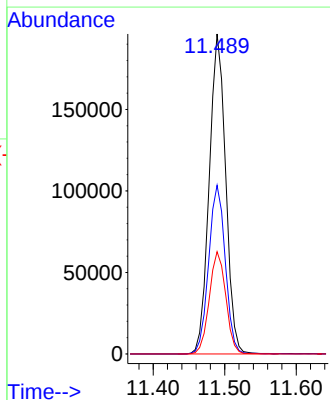
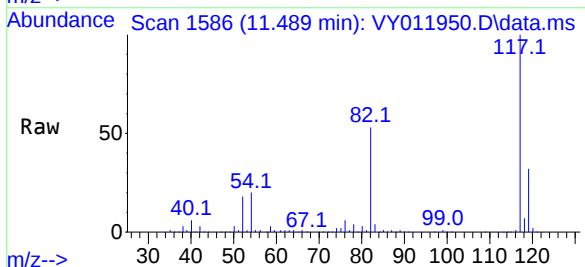
Instrument :
MSVOA_Y
ClientSampleId :
20221267-LOCATION-15

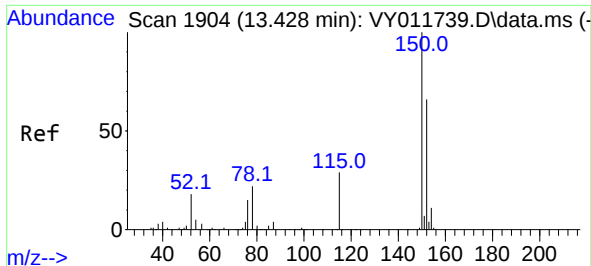
Tgt Ion: 95 Resp: 126144
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.0
176 84.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 117 Resp: 313714
Ion Ratio Lower Upper
117 100
82 52.7 44.8 67.2
119 32.0 25.4 38.2

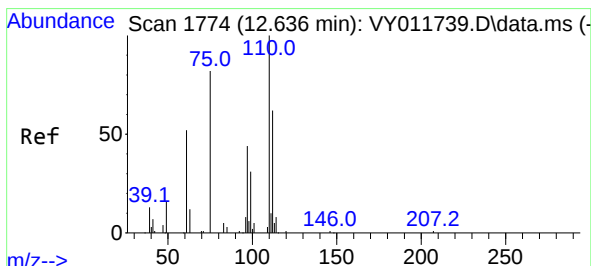
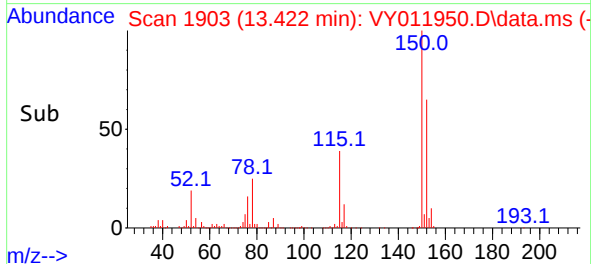
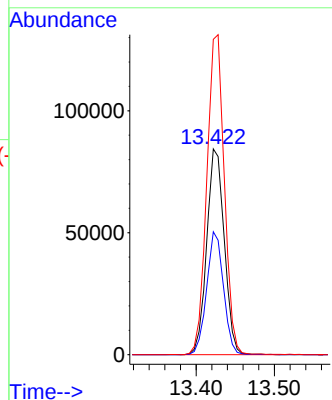
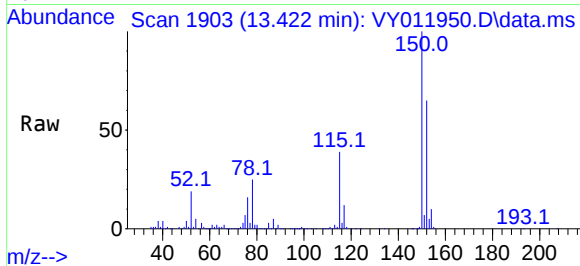




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

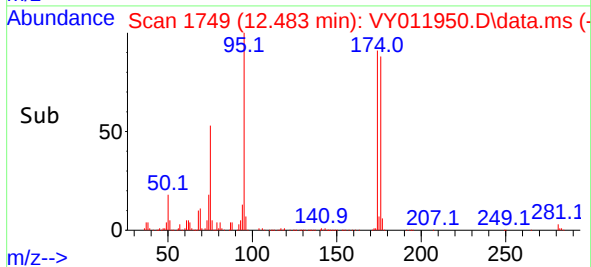
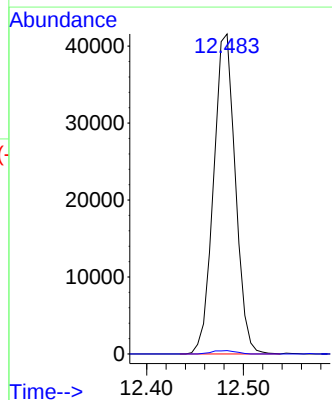
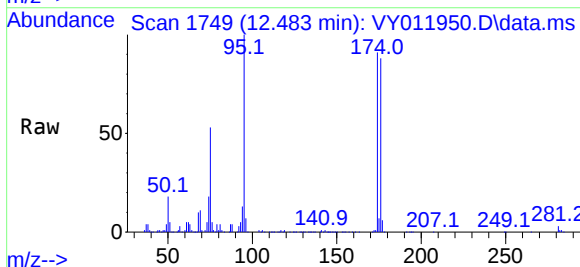
Instrument :
MSVOA_Y
ClientSampleId :
20221267-LOCATION-15

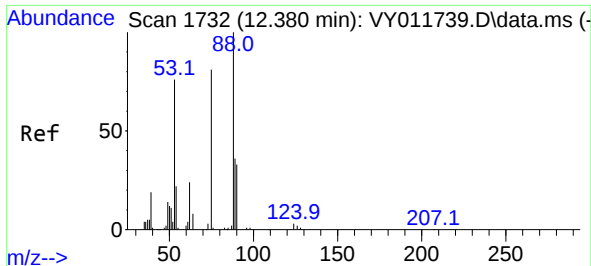
Tgt Ion:152 Resp: 131196
Ion Ratio Lower Upper
152 100
115 57.3 29.1 87.3
150 155.1 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 39.842 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 75 Resp: 65043
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

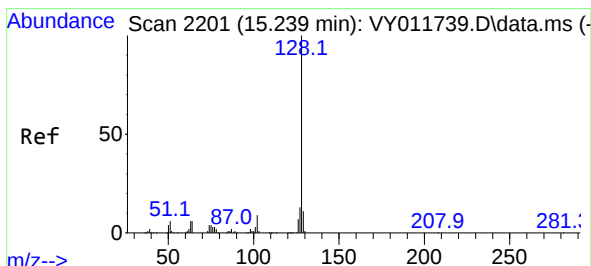
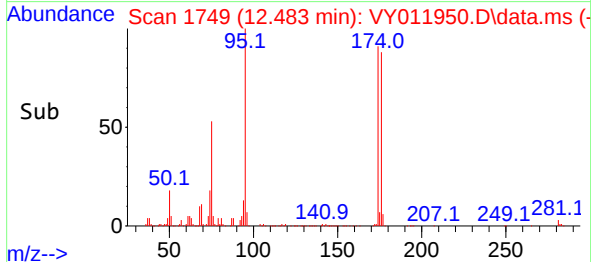
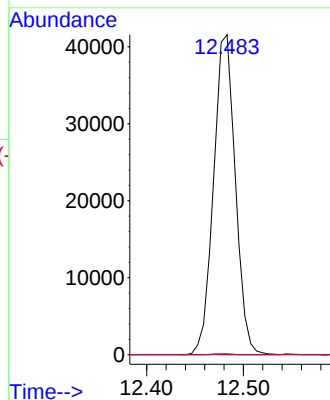
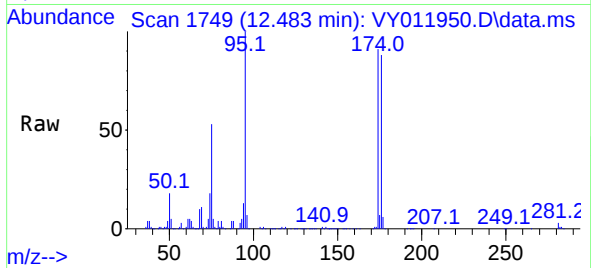




#81
trans-1,4-Dichloro-2-butene
Concen: 109.108 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

Instrument :
MSVOA_Y
ClientSampleId :
20221267-LOCATION-15

Tgt Ion: 75 Resp: 65043
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.941 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011950.D
Acq: 21 Dec 2022 16:34

Tgt Ion:128 Resp: 832
Ion Ratio Lower Upper
128 100
127 16.5 10.2 15.2#
129 2.3 8.8 13.2#

