

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011949.D
 Acq On : 21 Dec 2022 16:10
 Operator : KP/MD
 Sample : N6092-03
 Misc : 3.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20221263-LOCATION-11

Quant Time: Dec 22 00:14:15 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)

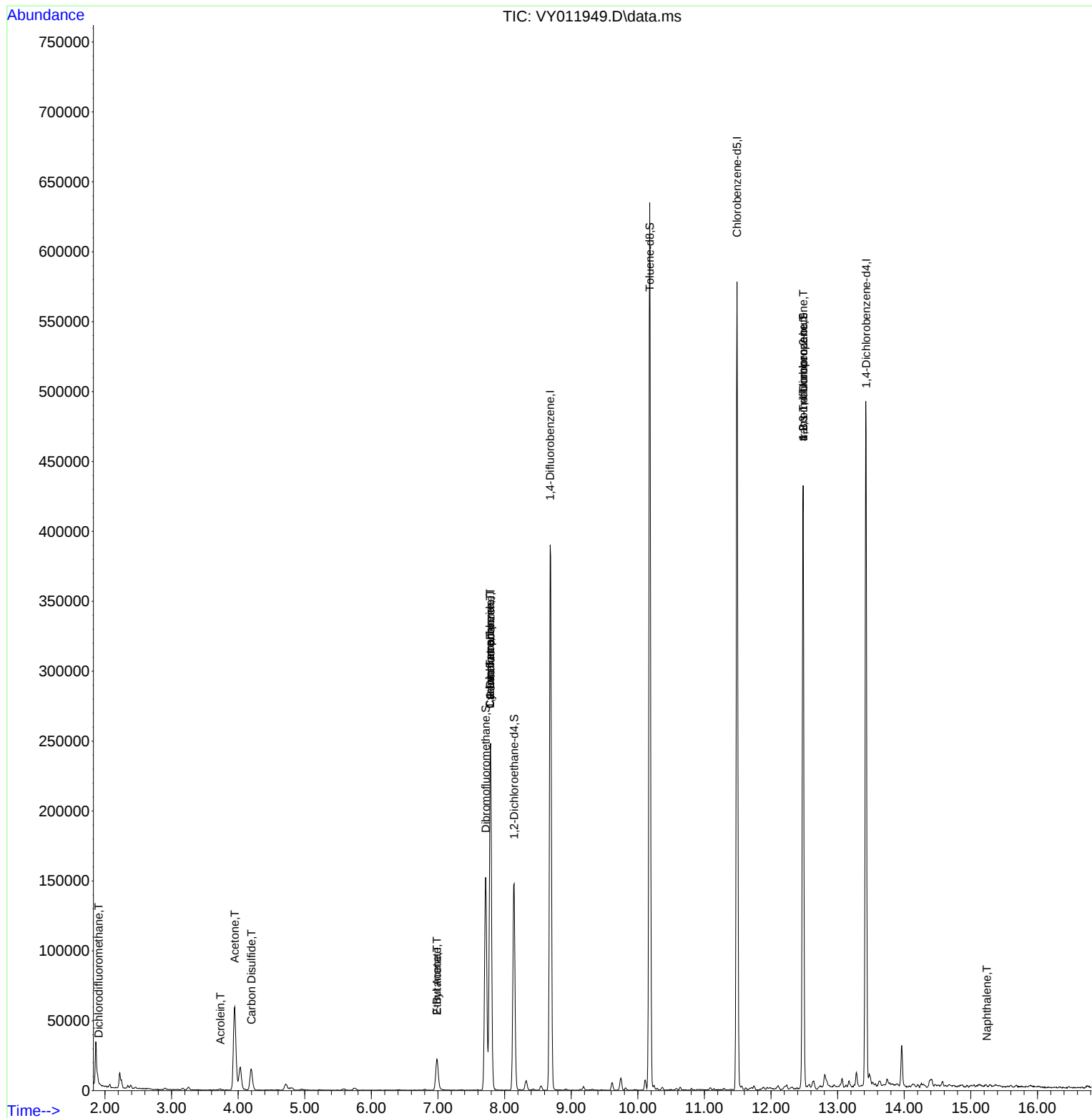
Internal Standards						
1) Pentafluorobenzene	7.789	168	196438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	343615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	311960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	119163	60.212	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.420%	
35) Dibromofluoromethane	7.716	113	106461	51.464	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.920%	
50) Toluene-d8	10.179	98	417252	49.714	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.420%	
62) 4-Bromofluorobenzene	12.483	95	127162	45.049	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	93	2.524	ug/l #	41
11) Tert butyl alcohol	4.954	59	1390	Below Cal	#	74
13) Acrolein	3.735	56	966	5.222	ug/l #	48
16) Acetone	3.948	43	103633	176.847	ug/l	99
17) Carbon Disulfide	4.198	76	31284	5.277	ug/l #	95
20) Methylene Chloride	4.716	84	3312	Below Cal	#	81
25) 2-Butanone	6.984	43	34322	52.063	ug/l	97
31) Cyclohexane	7.783	56	3953	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13981	4.213	ug/l #	50
37) Ethyl Acetate	6.984	43	34322	23.055	ug/l #	68
38) Carbon Tetrachloride	7.783	117	19446	5.074	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	66273	40.948	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	66273	112.137	ug/l #	13
95) Naphthalene	15.239	128	897	2.955	ug/l #	93

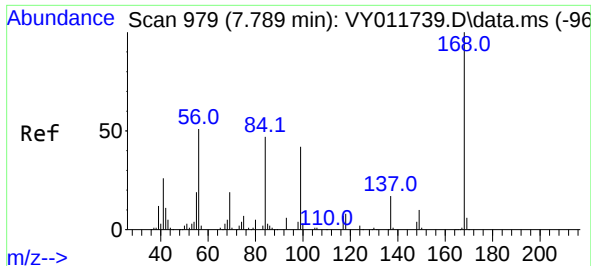
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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20221263-LOCATION-11

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QLast Update : Tue Dec 20 12:37:37 2022
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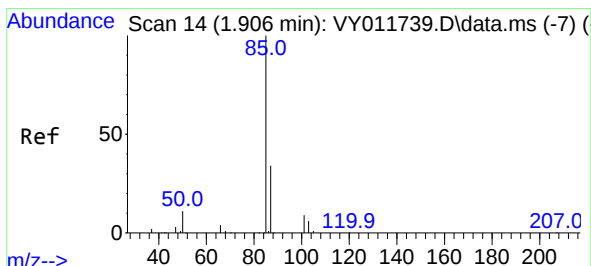
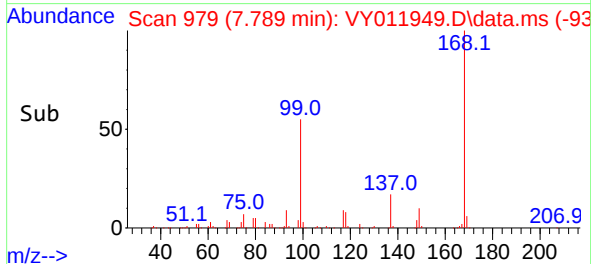
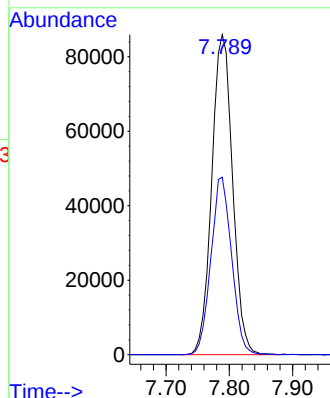
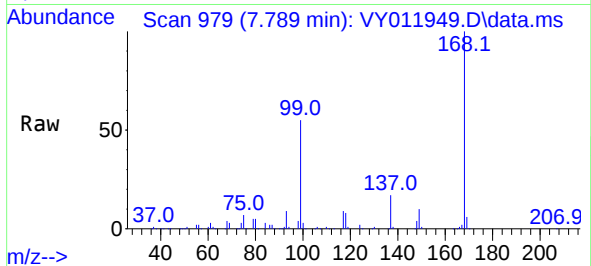




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

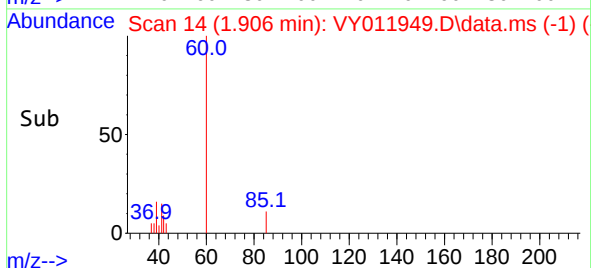
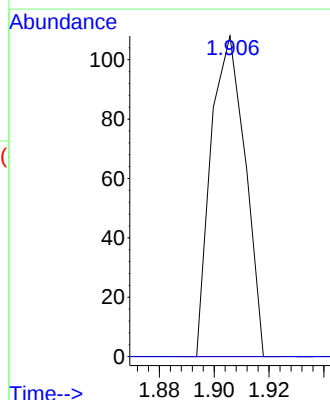
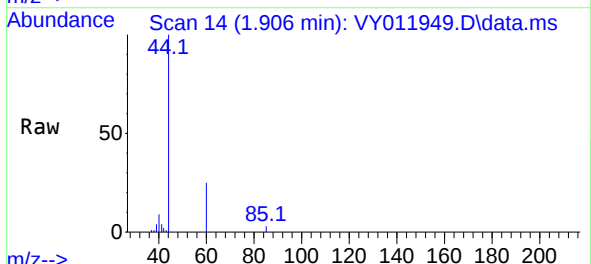
Instrument :
MSVOA_Y
ClientSampleId :
20221263-LOCATION-11

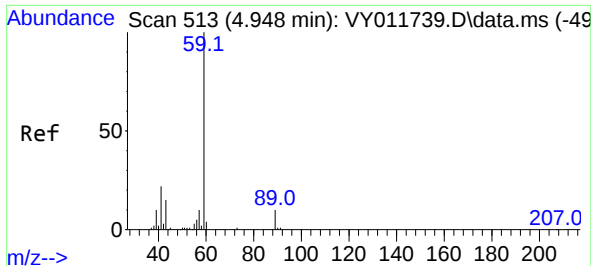
Tgt Ion:168 Resp: 196438
Ion Ratio Lower Upper
168 100
99 55.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.524 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

Tgt Ion: 85 Resp: 93
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

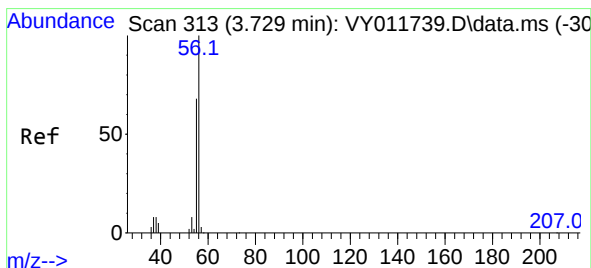
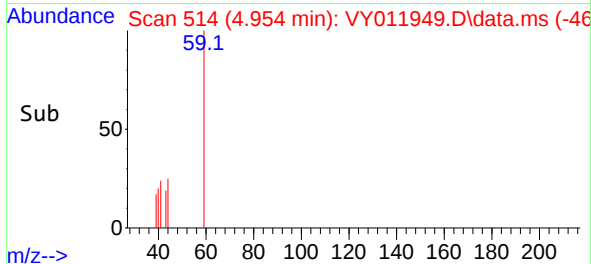
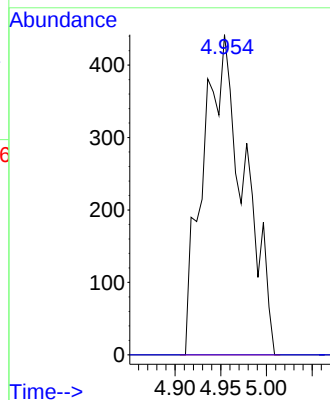
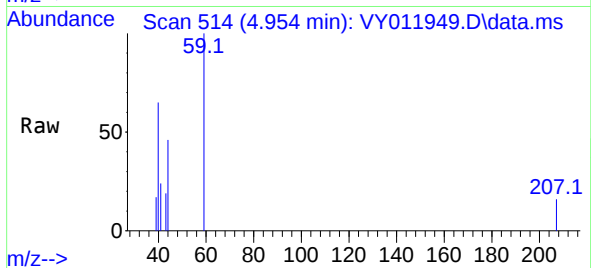




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

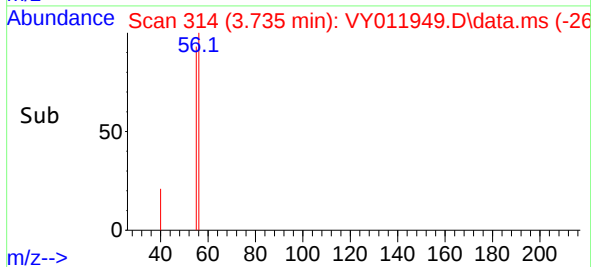
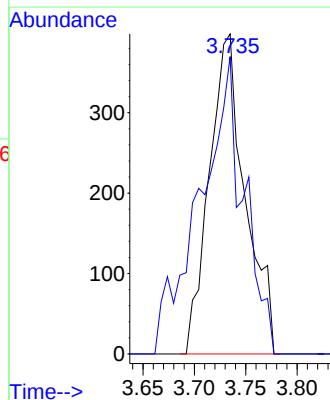
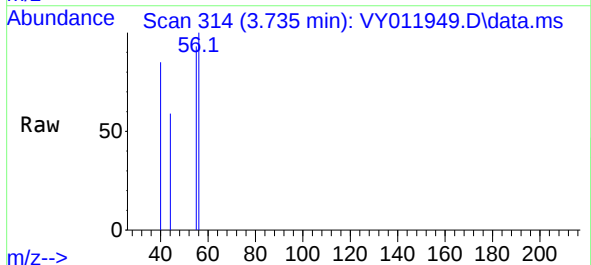
Instrument :
MSVOA_Y
ClientSampleId :
20221263-LOCATION-11

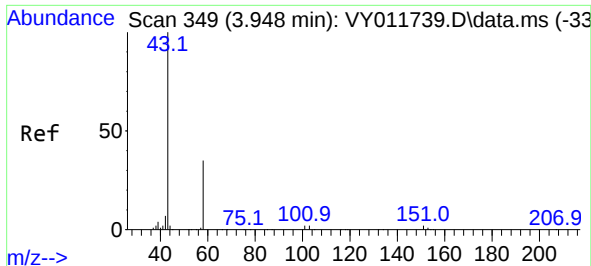
Tgt Ion: 59 Resp: 1390
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: 5.222 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

Tgt Ion: 56 Resp: 966
Ion Ratio Lower Upper
56 100
55 113.9 56.6 85.0#

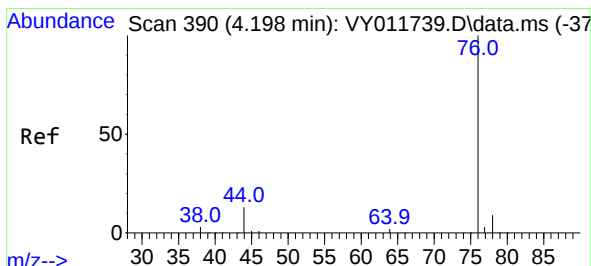
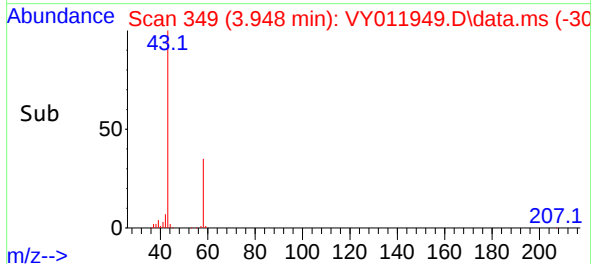
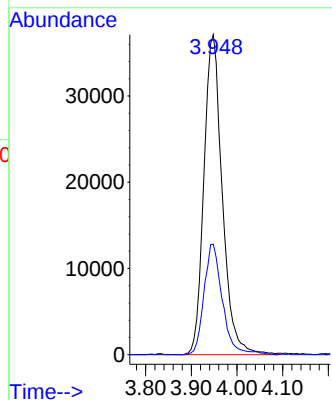
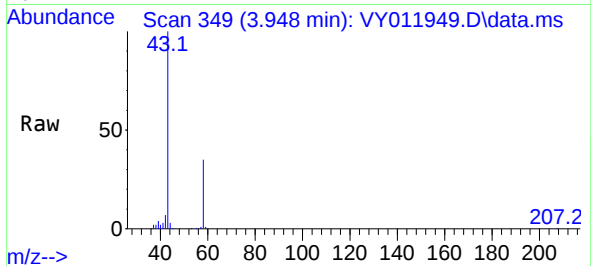




#16
Acetone
Concen: 176.847 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

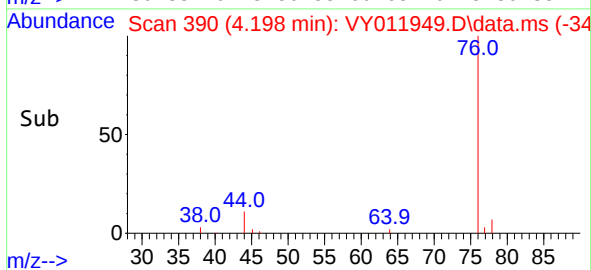
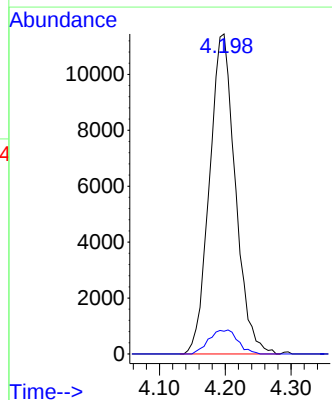
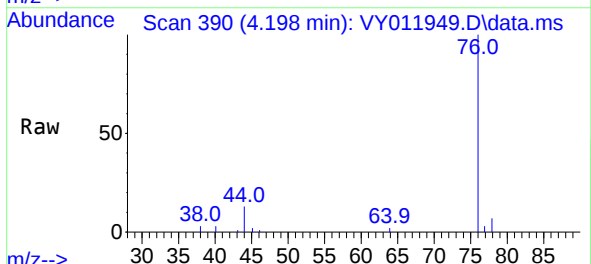
Instrument :
MSVOA_Y
ClientSampleId :
20221263-LOCATION-11

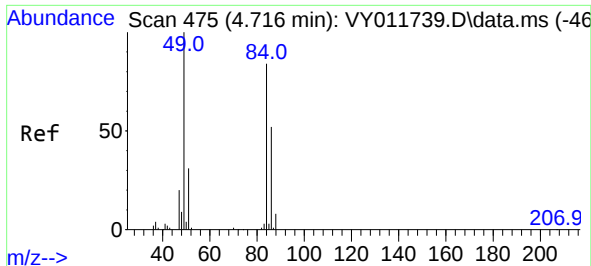
Tgt Ion: 43 Resp: 103633
Ion Ratio Lower Upper
43 100
58 34.5 27.9 41.9



#17
Carbon Disulfide
Concen: 5.277 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

Tgt Ion: 76 Resp: 31284
Ion Ratio Lower Upper
76 100
78 7.1 7.2 10.8#

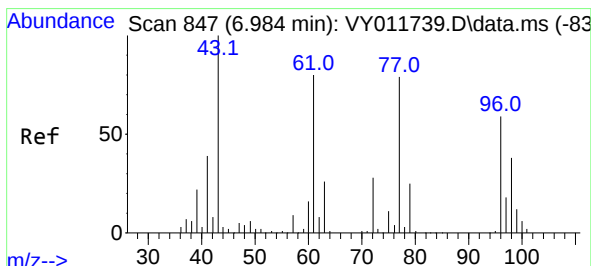
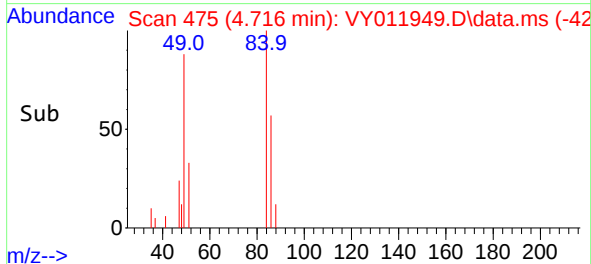
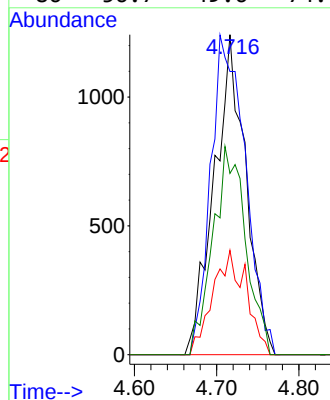
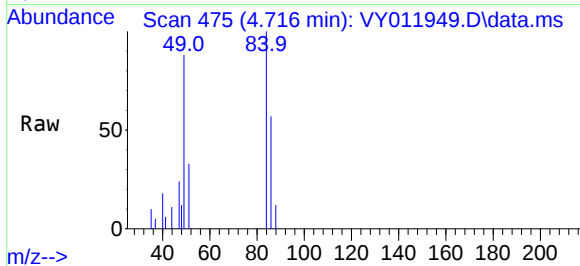




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

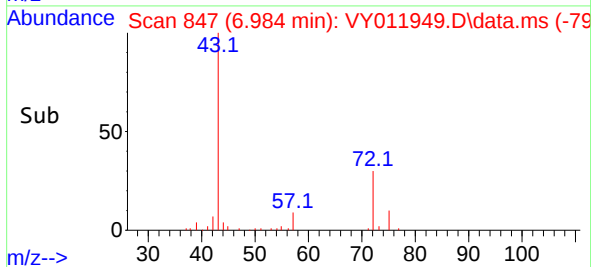
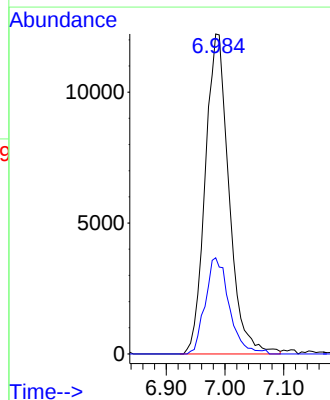
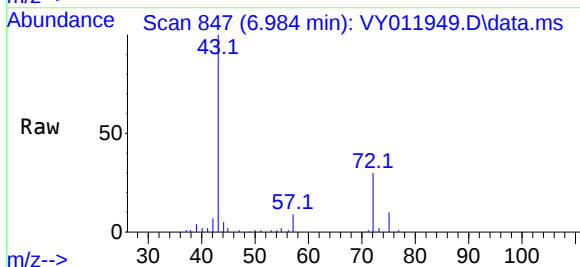
Instrument :
MSVOA_Y
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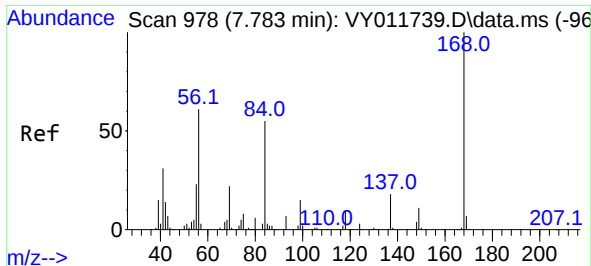
Tgt Ion: 84 Resp: 3312
Ion Ratio Lower Upper
84 100
49 88.5 95.4 143.2#
51 32.6 29.9 44.9
86 56.7 49.6 74.4



#25
2-Butanone
Concen: 52.063 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

Tgt Ion: 43 Resp: 34322
Ion Ratio Lower Upper
43 100
72 30.1 22.6 34.0

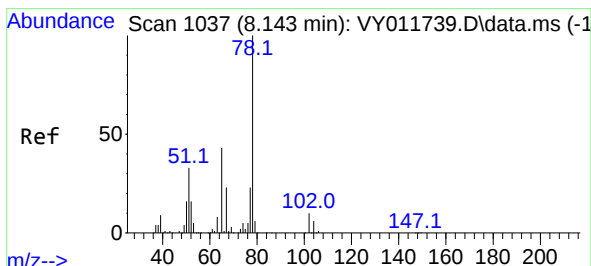
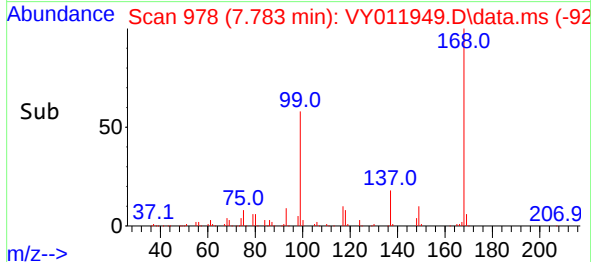
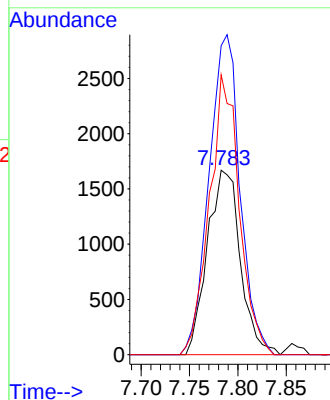
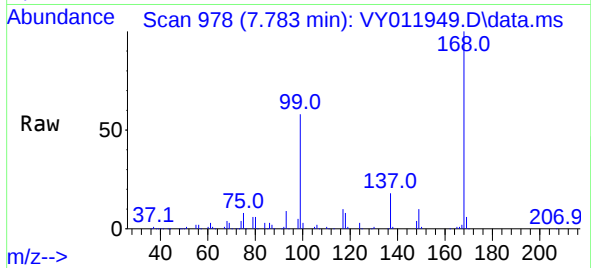




#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

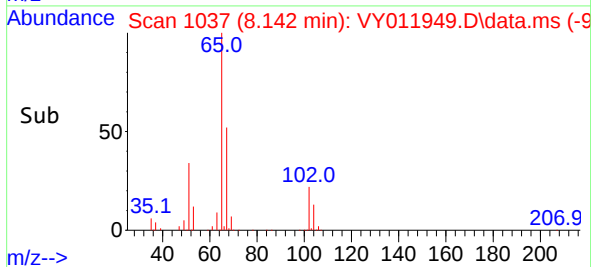
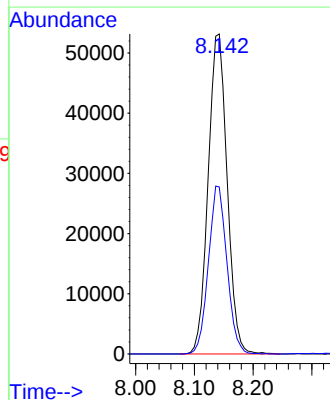
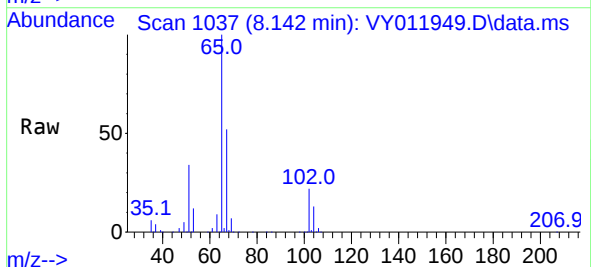
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ClientSampleId :
20221263-LOCATION-11

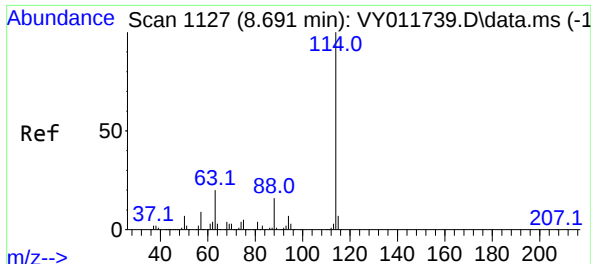
Tgt Ion: 56 Resp: 3953
Ion Ratio Lower Upper
56 100
69 167.5 29.2 43.8#
84 151.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 60.212 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

Tgt Ion: 65 Resp: 119163
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# 1127

Delta R.T. -0.006 min

Lab File: VY011949.D

Acq: 21 Dec 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

20221263-LOCATION-11

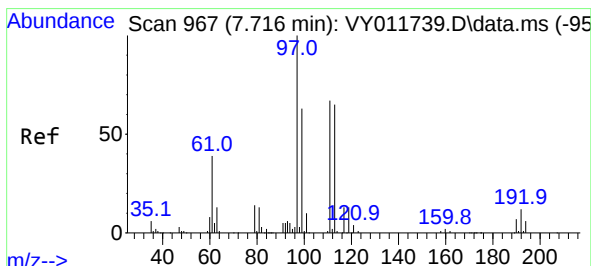
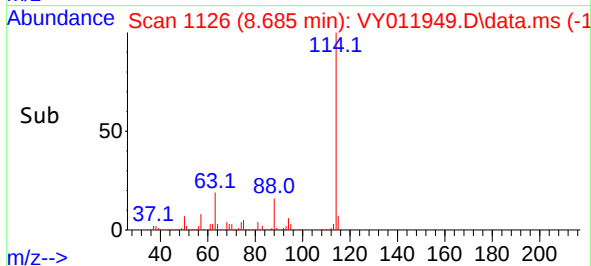
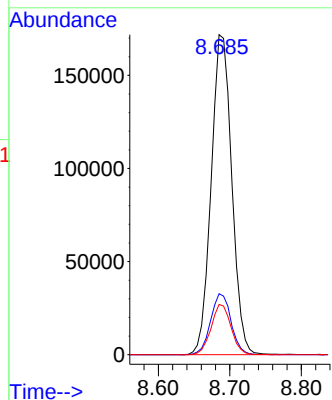
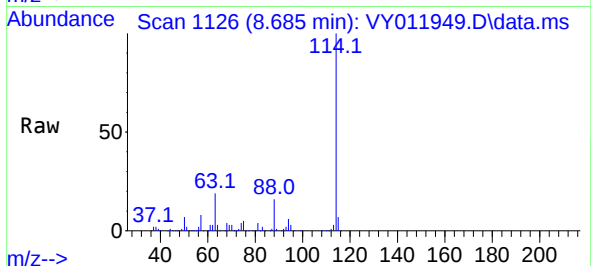
Tgt Ion:114 Resp: 343615

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.464 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011949.D

Acq: 21 Dec 2022 16:10

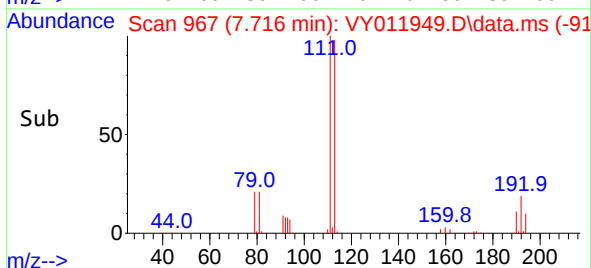
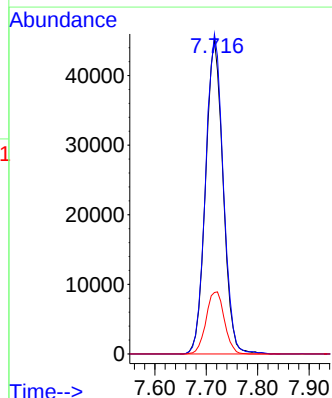
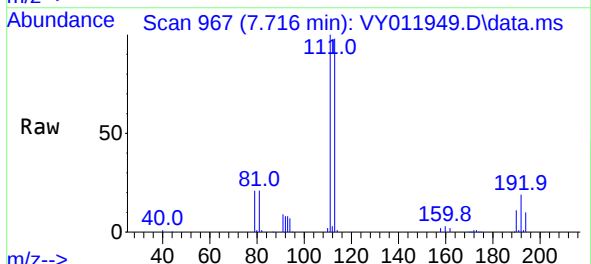
Tgt Ion:113 Resp: 106461

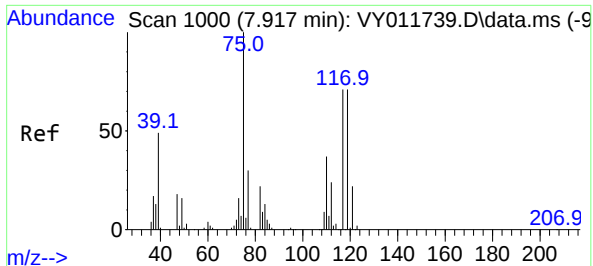
Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

192 20.7 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.213 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011949.D

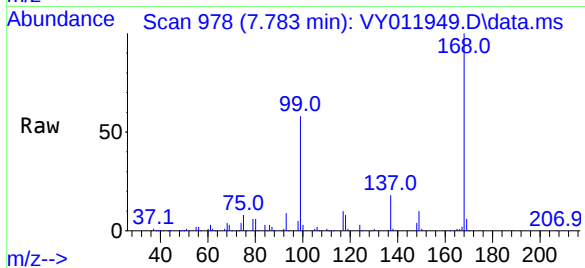
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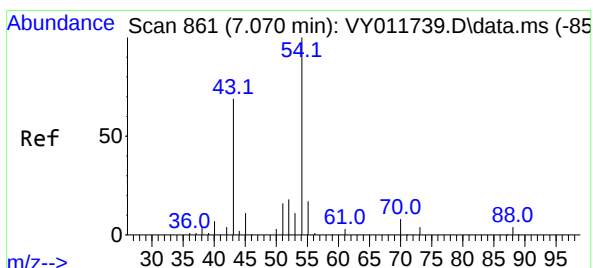
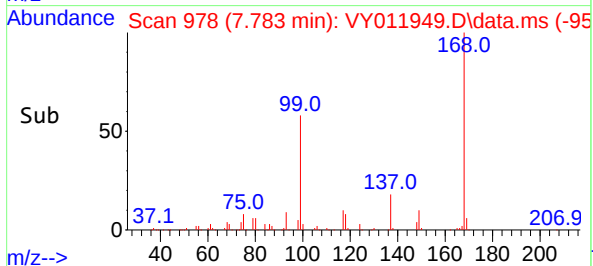
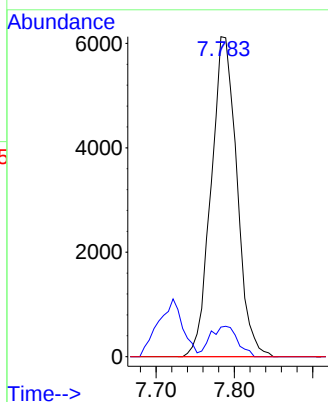
Tgt Ion: 75 Resp: 13981

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 23.055 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011949.D

Acq: 21 Dec 2022 16:10

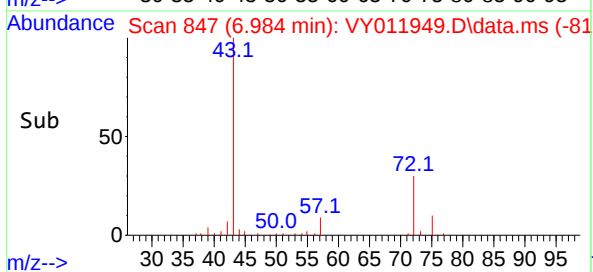
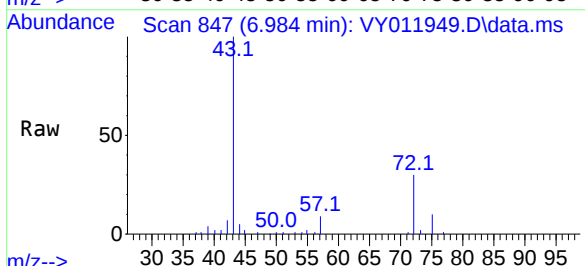
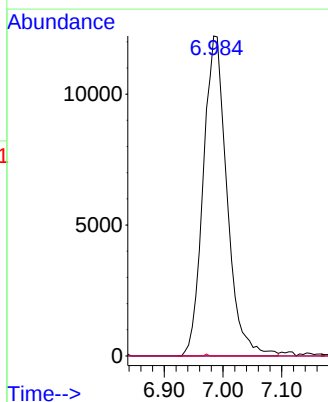
Tgt Ion: 43 Resp: 34322

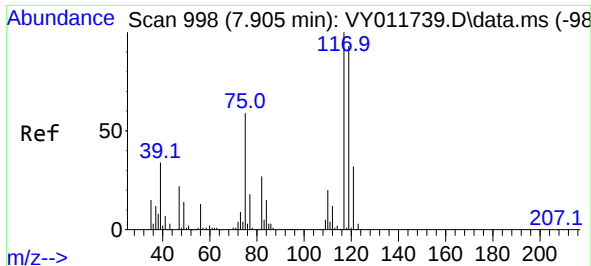
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.1 8.2 12.4#

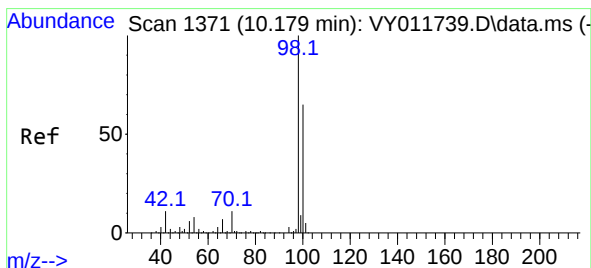
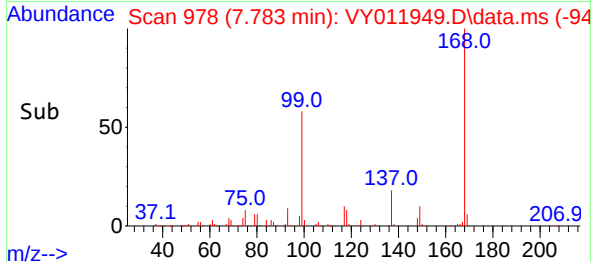
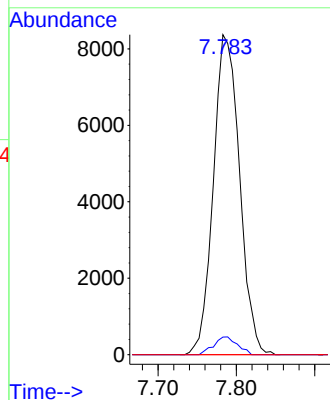
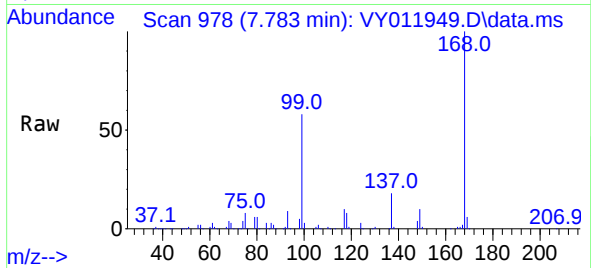




#38
Carbon Tetrachloride
Concen: 5.074 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

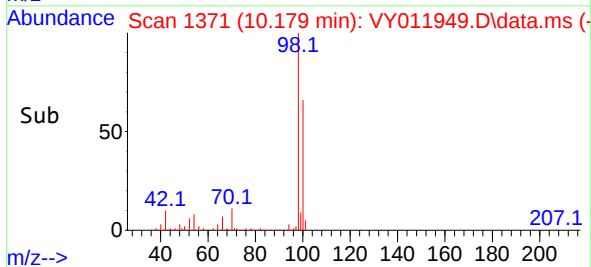
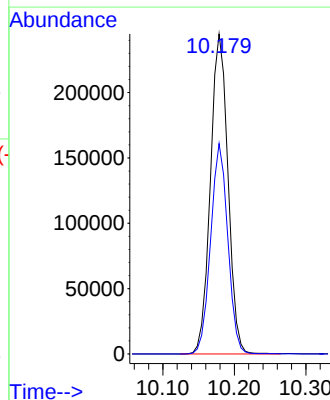
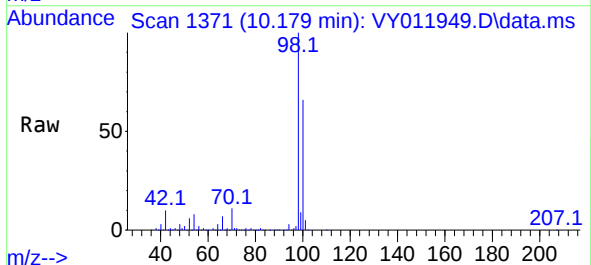
Instrument :
MSVOA_Y
ClientSampleId :
20221263-LOCATION-11

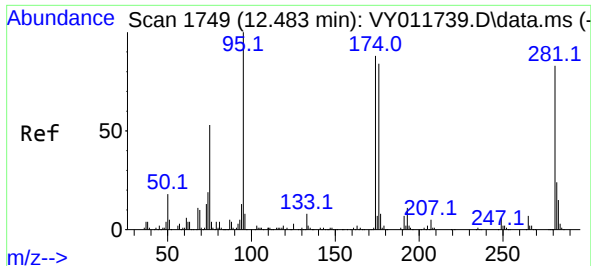
Tgt Ion:117 Resp: 19446
Ion Ratio Lower Upper
117 100
119 5.5 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.714 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

Tgt Ion: 98 Resp: 417252
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

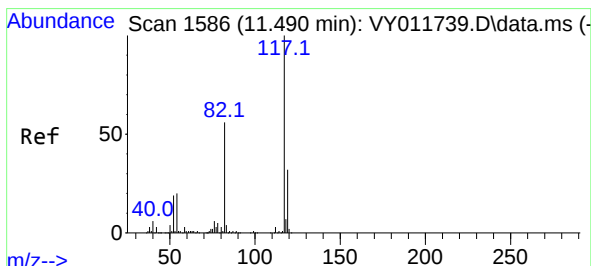
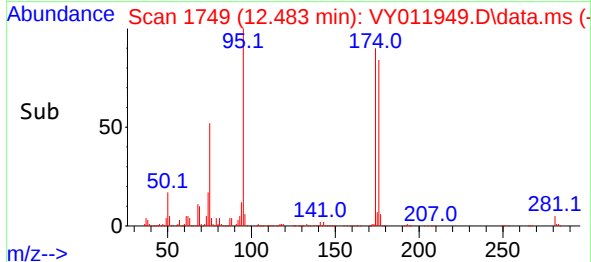
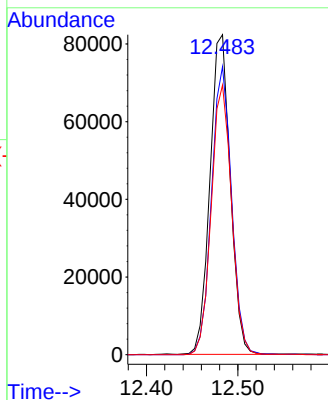
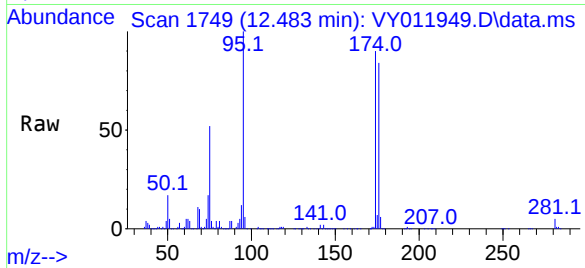




#62
4-Bromofluorobenzene
Concen: 45.049 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

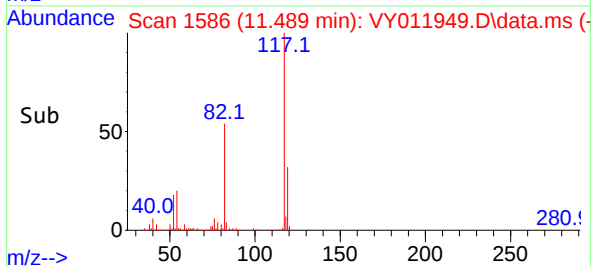
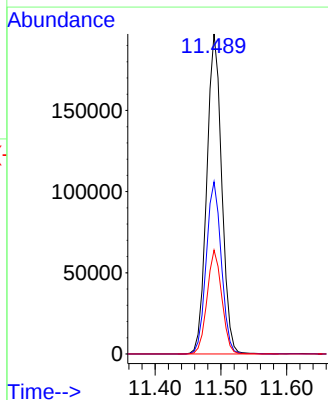
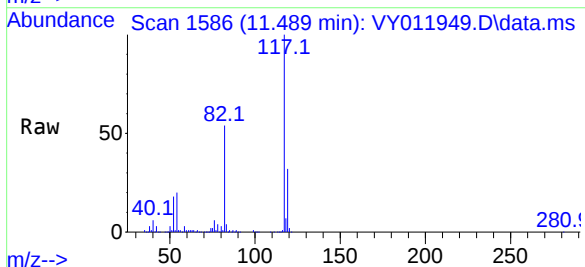
Instrument :
MSVOA_Y
ClientSampleId :
20221263-LOCATION-11

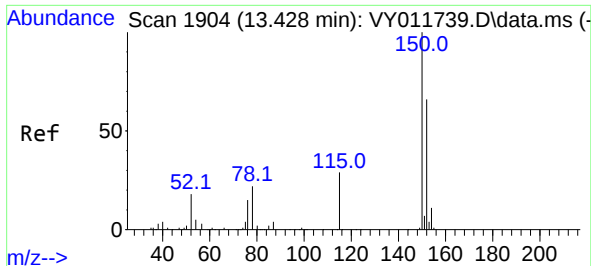
Tgt Ion: 95 Resp: 127162
Ion Ratio Lower Upper
95 100
174 88.9 0.0 172.0
176 84.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

Tgt Ion: 117 Resp: 311960
Ion Ratio Lower Upper
117 100
82 53.8 44.8 67.2
119 32.5 25.4 38.2

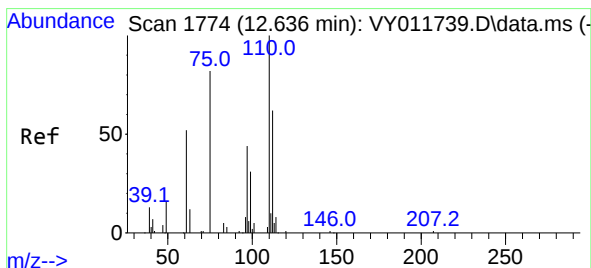
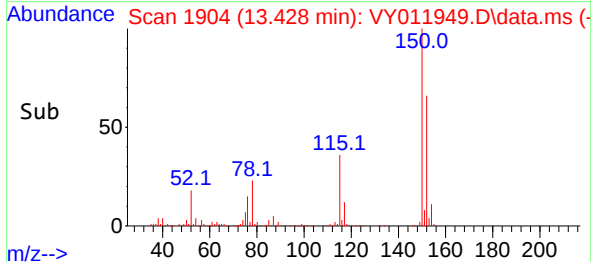
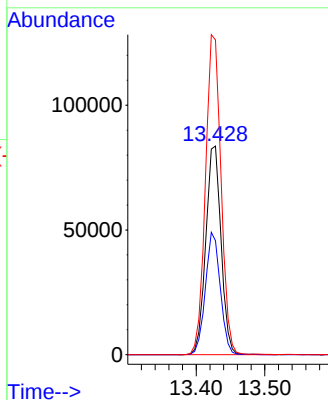
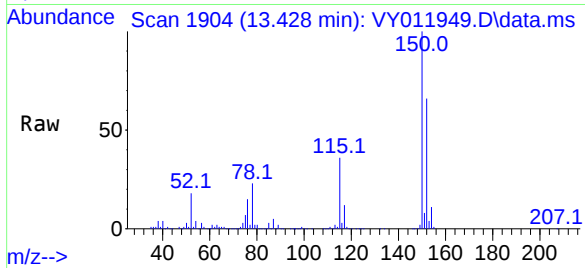




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011949.D
 Acq: 21 Dec 2022 16:10

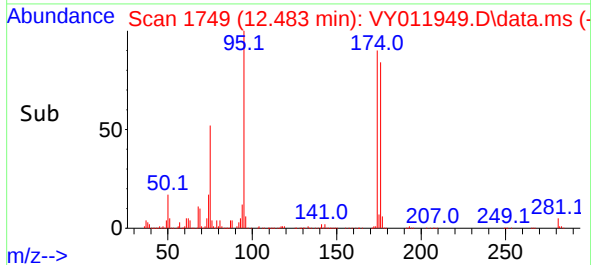
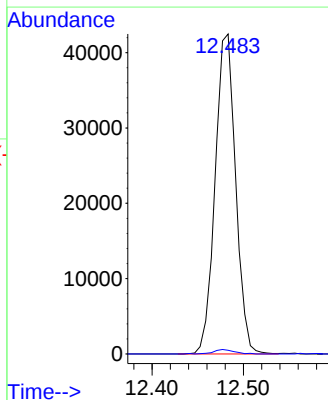
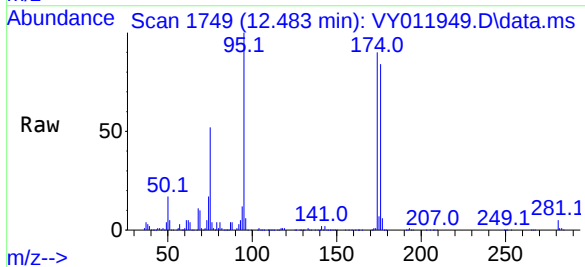
Instrument :
 MSVOA_Y
 ClientSampleId :
 20221263-LOCATION-11

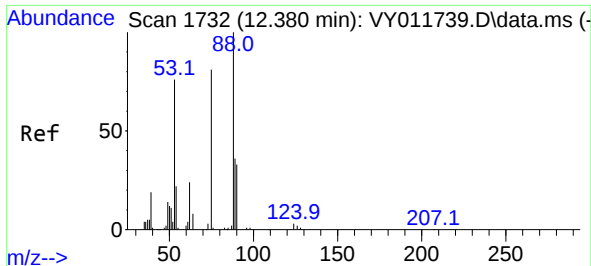
Tgt Ion:152 Resp: 130066
 Ion Ratio Lower Upper
 152 100
 115 57.1 29.1 87.3
 150 155.7 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 40.948 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011949.D
 Acq: 21 Dec 2022 16:10

Tgt Ion: 75 Resp: 66273
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

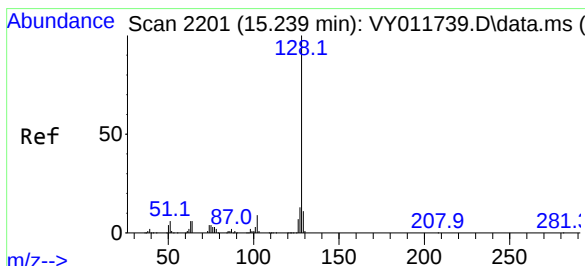
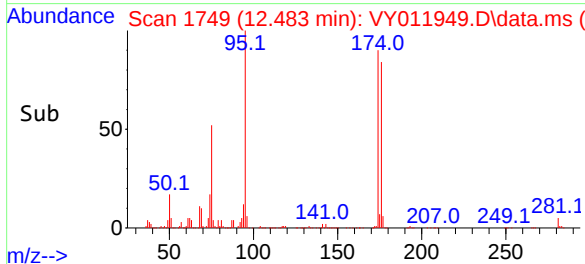
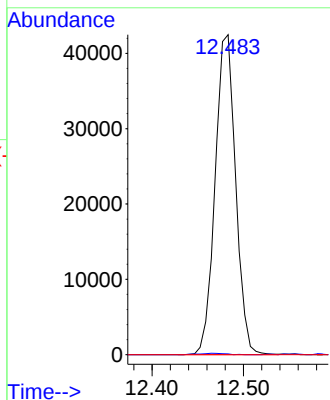
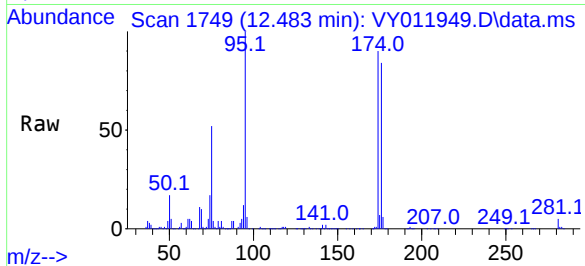




#81
trans-1,4-Dichloro-2-butene
Concen: 112.137 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

Instrument :
MSVOA_Y
ClientSampleId :
20221263-LOCATION-11

Tgt Ion: 75 Resp: 66273
Ion Ratio Lower Upper
75 100
53 0.6 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.955 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011949.D
Acq: 21 Dec 2022 16:10

Tgt Ion:128 Resp: 897
Ion Ratio Lower Upper
128 100
127 17.3 10.2 15.2#
129 10.6 8.8 13.2

