

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010133.D
 Acq On : 20 Aug 2022 03:59
 Operator : KP/MD
 Sample : N4205-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-1

Quant Time: Aug 22 02:53:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

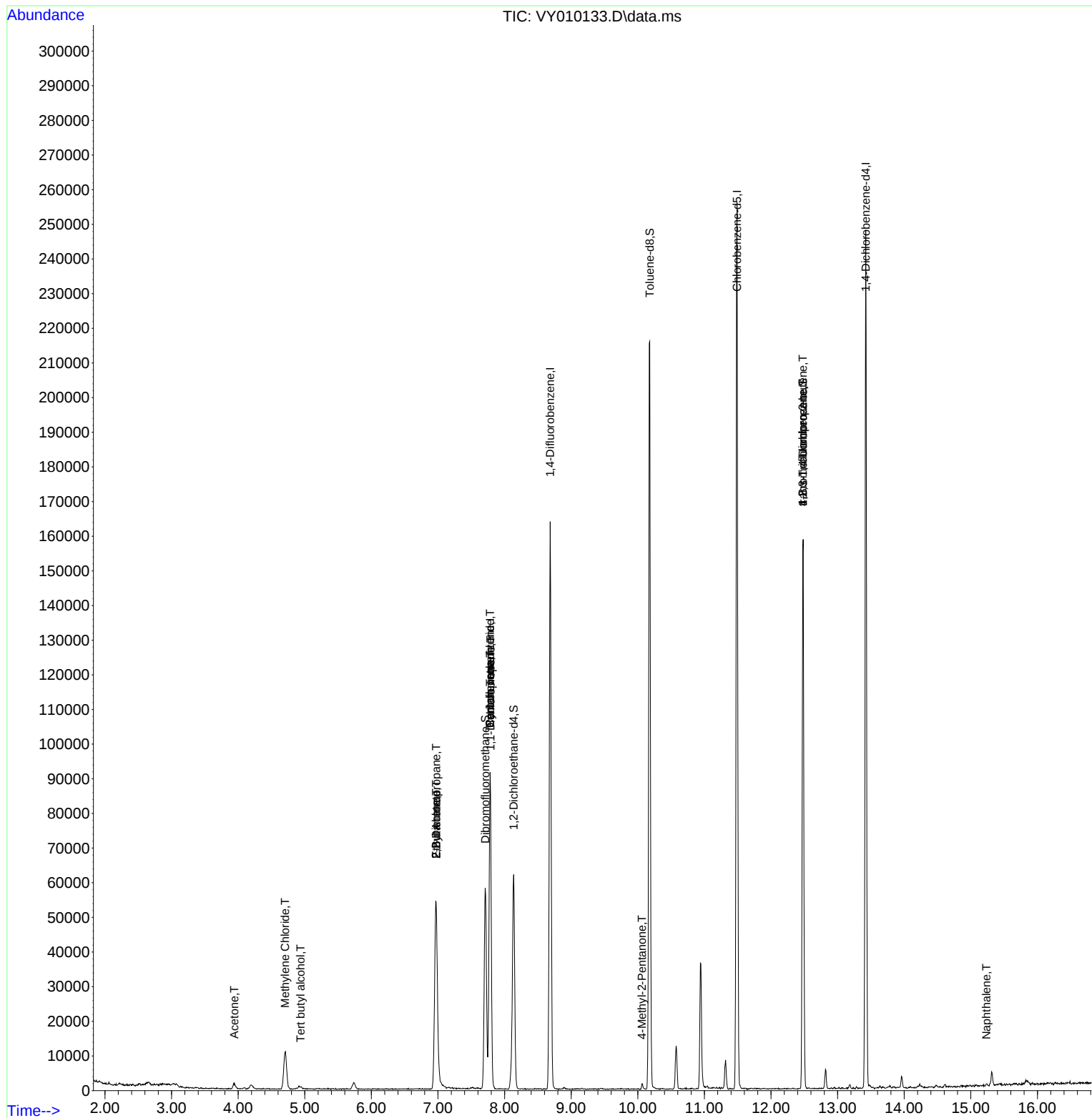
Internal Standards						
1) Pentafluorobenzene	7.783	168	74367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	143163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	147036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	67360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	43665	71.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.360%	
35) Dibromofluoromethane	7.710	113	43198	53.549	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.100%	
50) Toluene-d8	10.179	98	148271	49.052	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.100%	
62) 4-Bromofluorobenzene	12.477	95	48463	44.873	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1283	29.922	ug/l #	73
16) Acetone	3.942	43	2659	17.441	ug/l	89
20) Methylene Chloride	4.704	84	8550	2.148	ug/l	88
25) 2-Butanone	6.972	43	2629	10.720	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	4118	3.586	ug/l #	50
31) Cyclohexane	7.783	56	1265	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5844	4.538	ug/l #	48
37) Ethyl Acetate	6.972	43	2629	4.022	ug/l #	1
38) Carbon Tetrachloride	7.783	117	6999	5.183	ug/l #	17
51) 4-Methyl-2-Pentanone	10.063	43	1056	1.654	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	23281	36.904	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	23281	74.123	ug/l #	18
95) Naphthalene	15.233	128	191	3.956	ug/l #	69

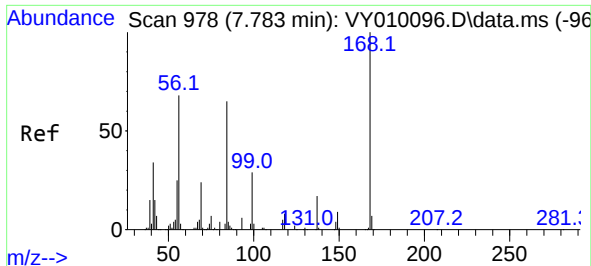
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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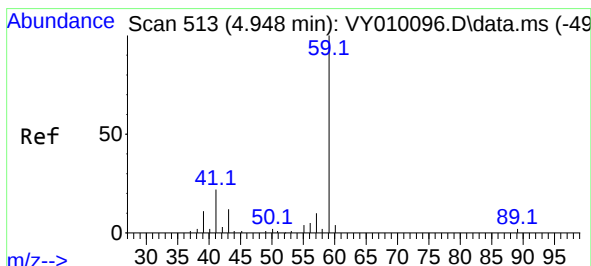
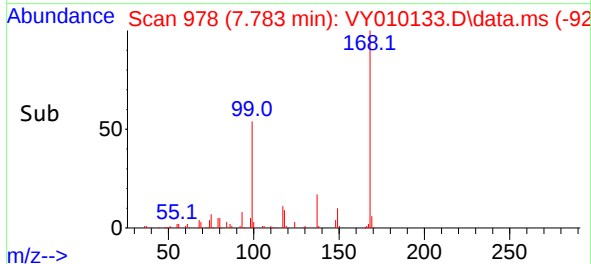
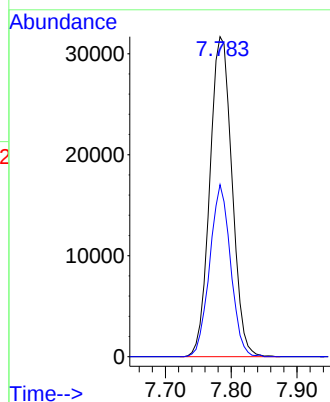
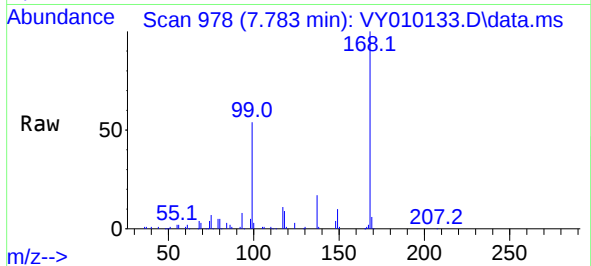




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

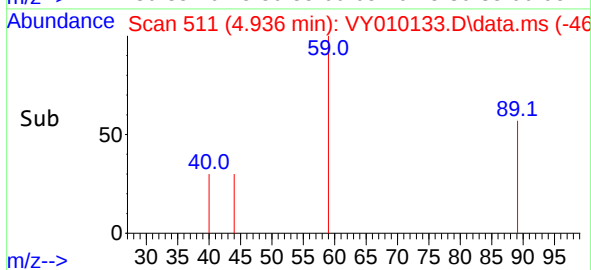
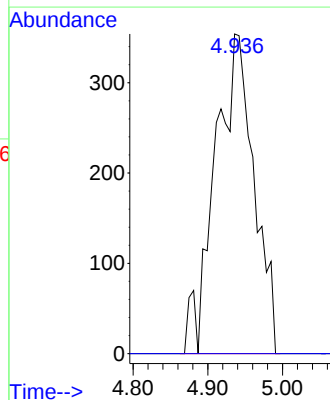
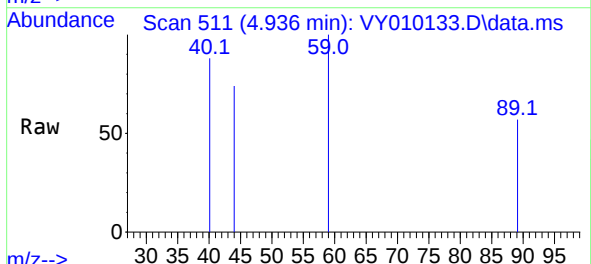
Instrument :
MSVOA_Y
ClientSampleId :
SS-1

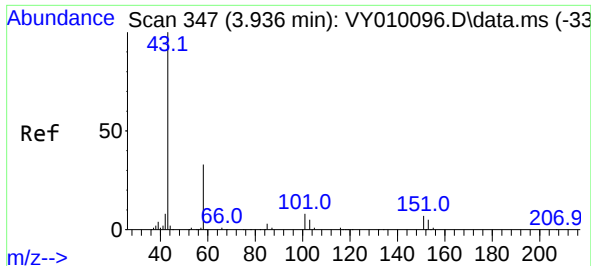
Tgt Ion:168 Resp: 74367
Ion Ratio Lower Upper
168 100
99 53.8 40.7 61.1



#11
Tert butyl alcohol
Concen: 29.922 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

Tgt Ion: 59 Resp: 1283
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

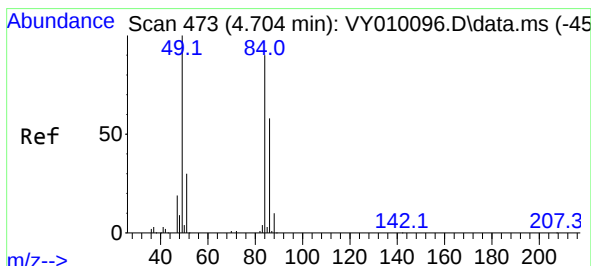
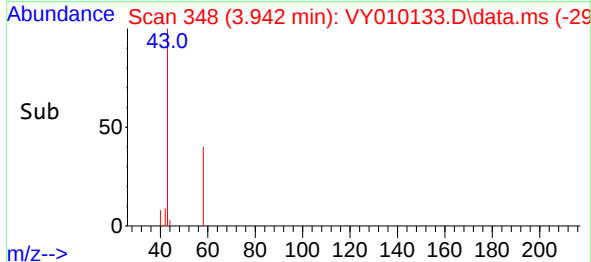
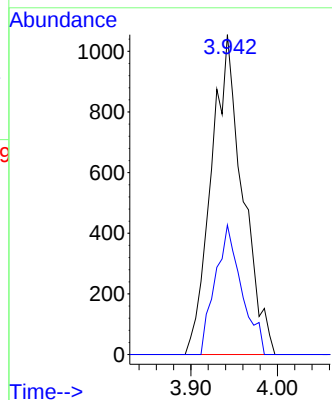
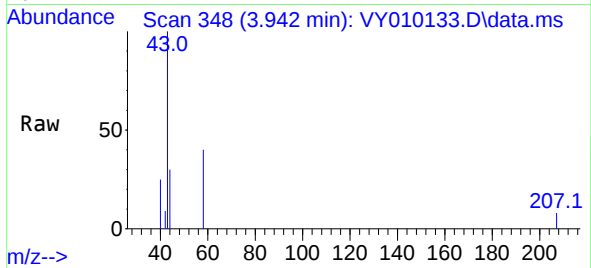




#16
Acetone
Concen: 17.441 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

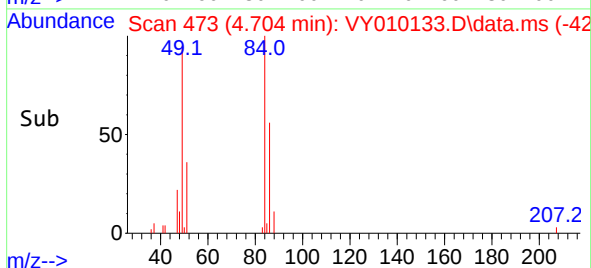
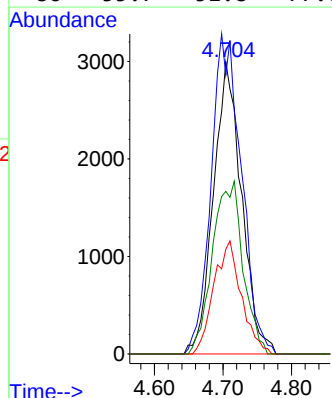
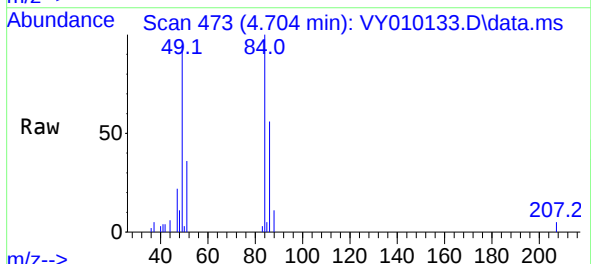
Instrument :
MSVOA_Y
ClientSampleId :
SS-1

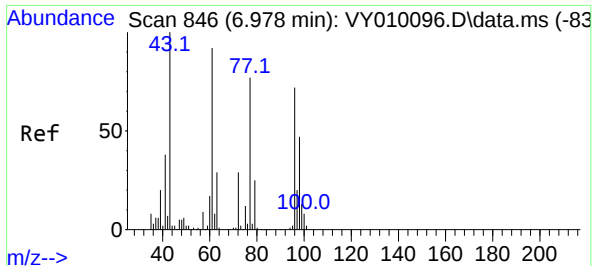
Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
58 40.5 27.4 41.0



#20
Methylene Chloride
Concen: 2.148 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

Tgt Ion: 84 Resp: 8550
Ion Ratio Lower Upper
84 100
49 95.4 89.0 133.4
51 35.8 27.0 40.6
86 55.7 51.8 77.6





#25

2-Butanone

Concen: 10.720 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010133.D

Acq: 20 Aug 2022 03:59

Instrument :

MSVOA_Y

ClientSampleId :

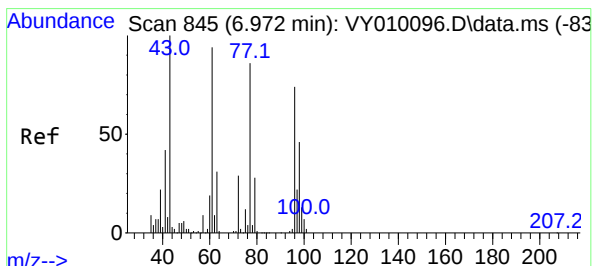
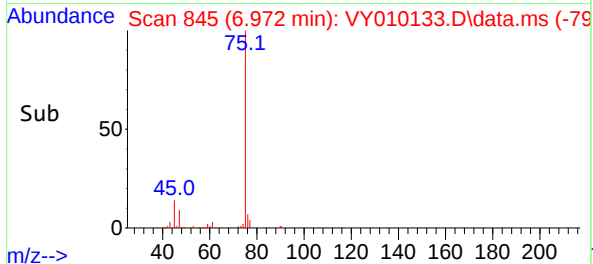
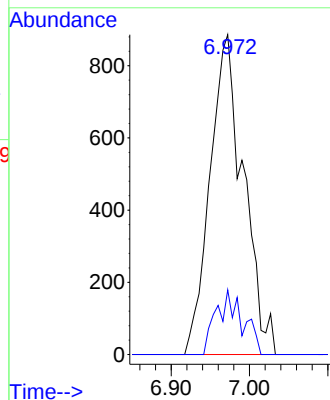
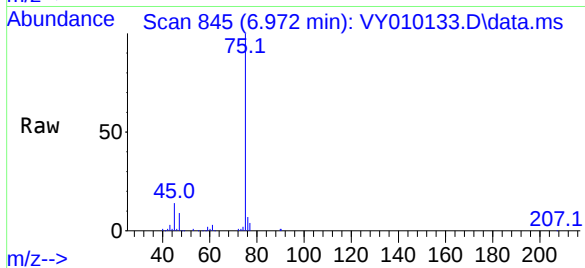
SS-1

Tgt Ion: 43 Resp: 2629

Ion Ratio Lower Upper

43 100

72 20.2 23.2 34.8#



#26

2,2-Dichloropropane

Concen: 3.586 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY010133.D

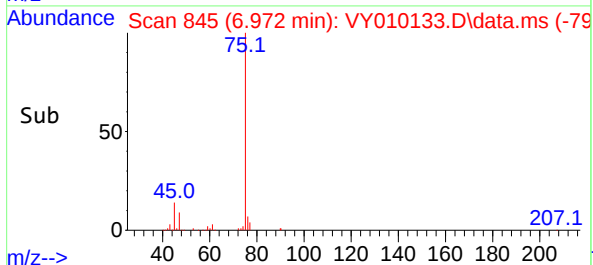
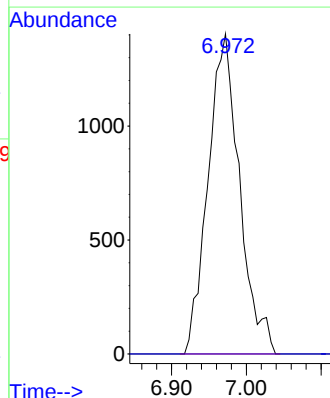
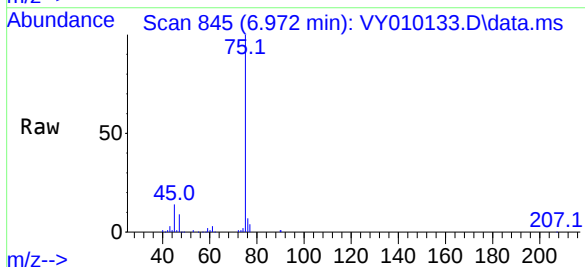
Acq: 20 Aug 2022 03:59

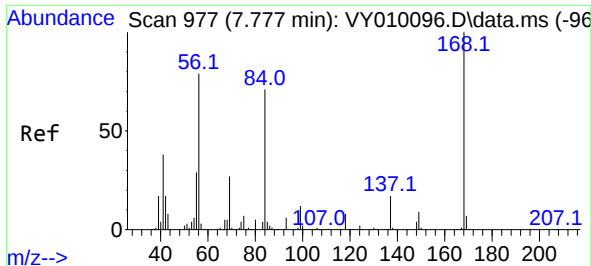
Tgt Ion: 77 Resp: 4118

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#

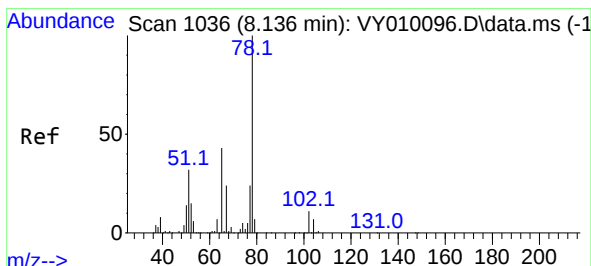
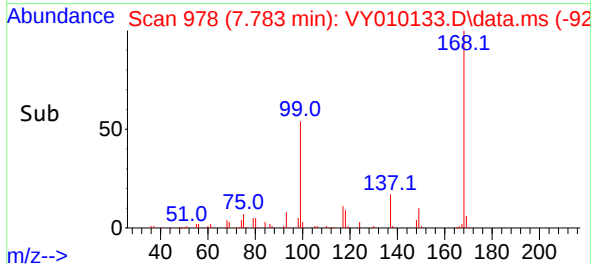
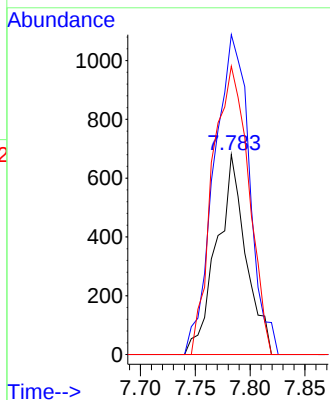
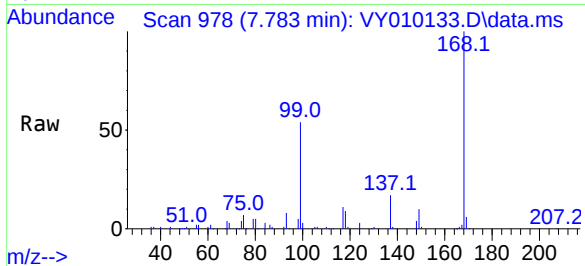




#31
Cyclohexane
Concen: 1.014 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

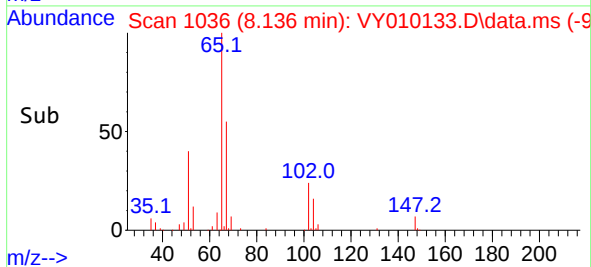
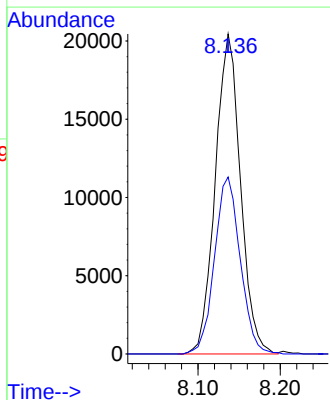
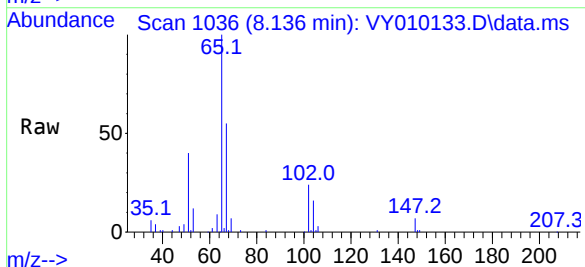
Instrument :
MSVOA_Y
ClientSampleId :
SS-1

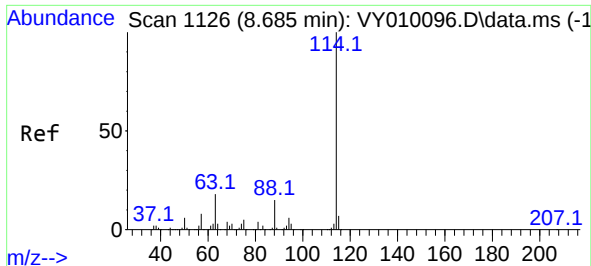
Tgt Ion: 56 Resp: 1265
Ion Ratio Lower Upper
56 100
69 160.0 27.3 40.9#
84 144.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 71.684 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

Tgt Ion: 65 Resp: 43665
Ion Ratio Lower Upper
65 100
67 56.4 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010133.D

Acq: 20 Aug 2022 03:59

Instrument :

MSVOA_Y

ClientSampleId :

SS-1

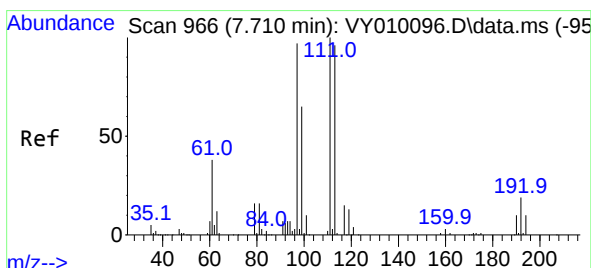
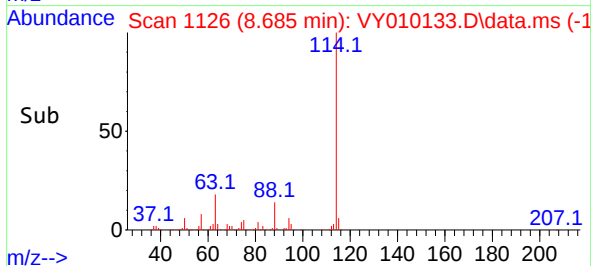
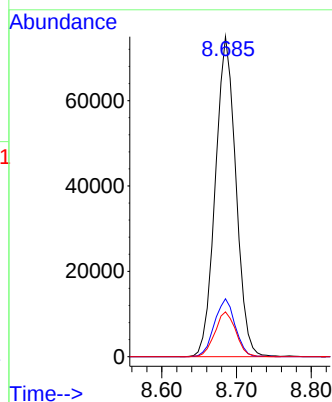
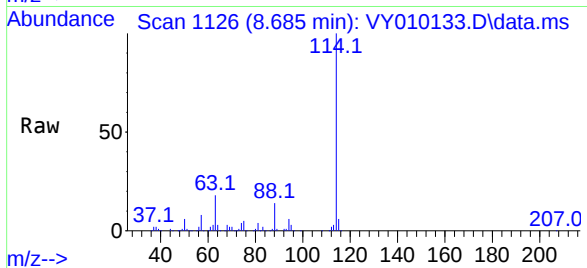
Tgt Ion:114 Resp: 143163

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

88 14.0 0.0 29.6



#35

Dibromofluoromethane

Concen: 53.549 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010133.D

Acq: 20 Aug 2022 03:59

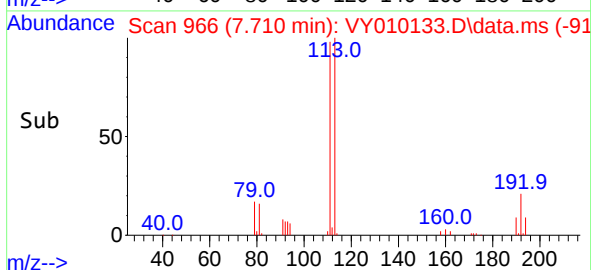
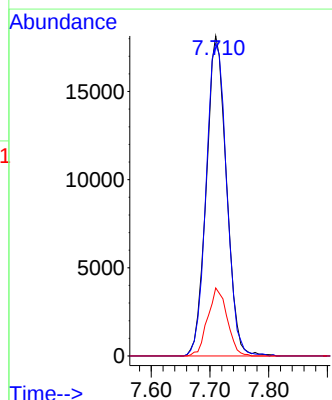
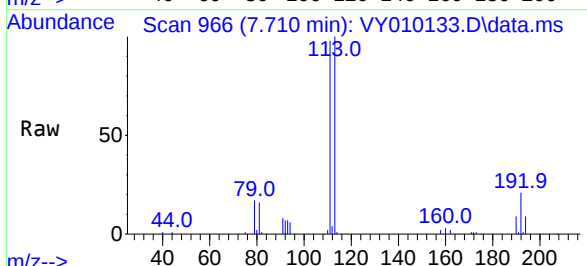
Tgt Ion:113 Resp: 43198

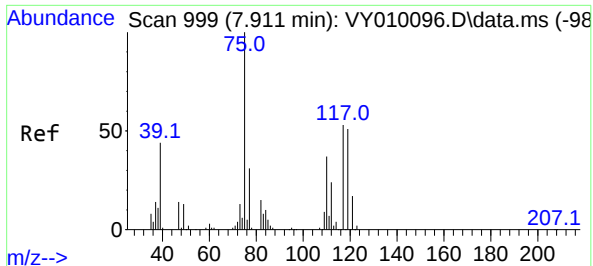
Ion Ratio Lower Upper

113 100

111 99.9 82.8 124.2

192 20.5 16.3 24.5





#36

1,1-Dichloropropene

Concen: 4.538 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY010133.D

Acq: 20 Aug 2022 03:59

Instrument :

MSVOA_Y

ClientSampleId :

SS-1

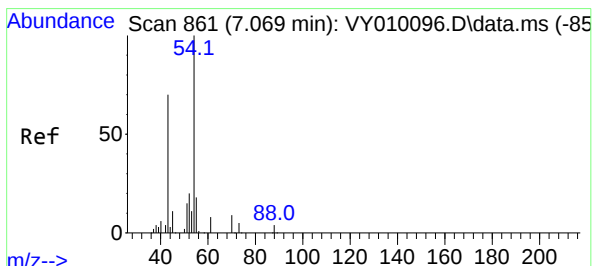
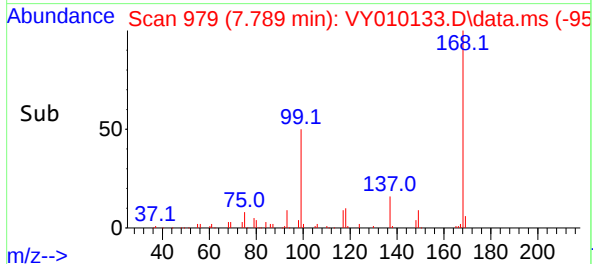
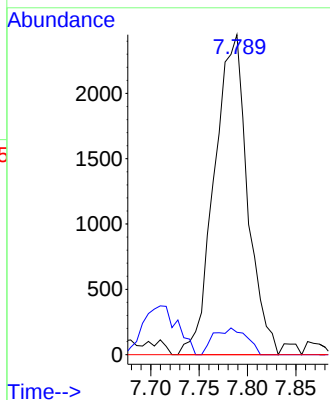
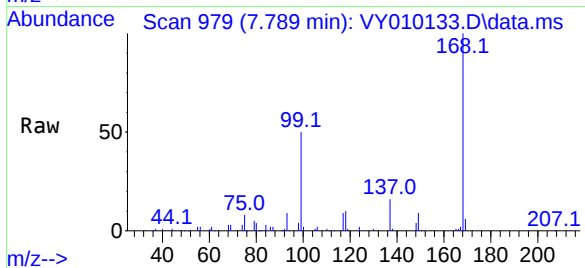
Tgt Ion: 75 Resp: 5844

Ion Ratio Lower Upper

75 100

110 8.2 18.6 56.0#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 4.022 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.097 min

Lab File: VY010133.D

Acq: 20 Aug 2022 03:59

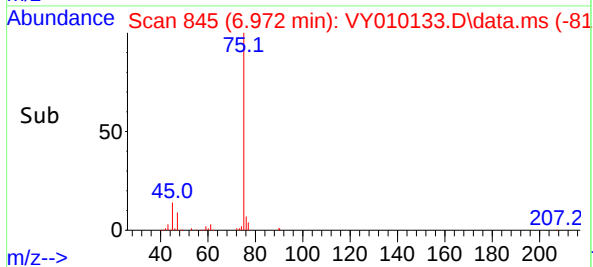
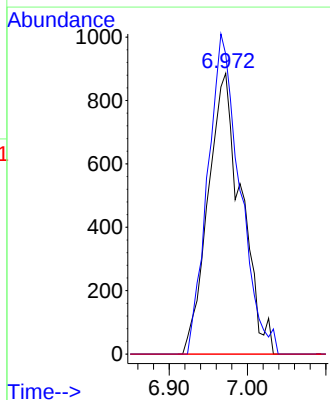
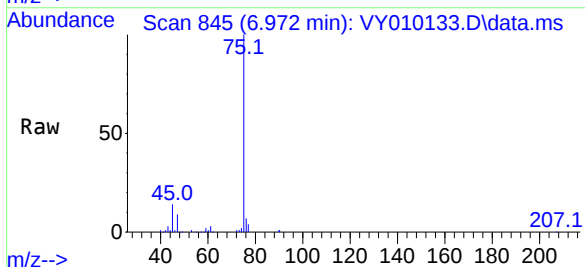
Tgt Ion: 43 Resp: 2629

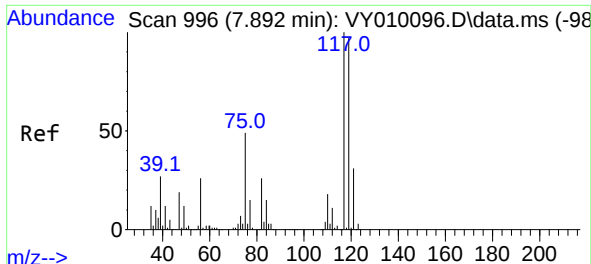
Ion Ratio Lower Upper

43 100

61 109.5 11.7 17.5#

70 0.0 9.0 13.4#

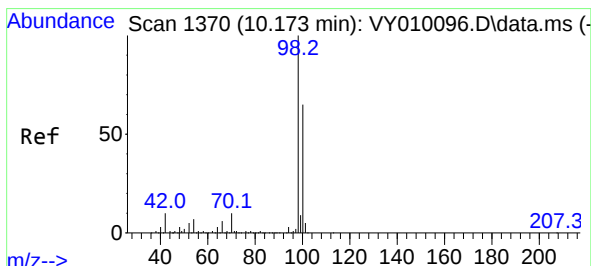
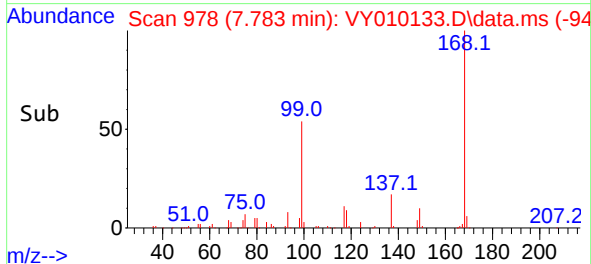
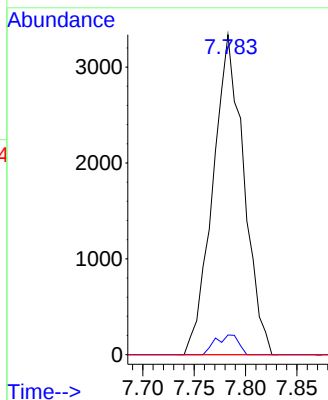
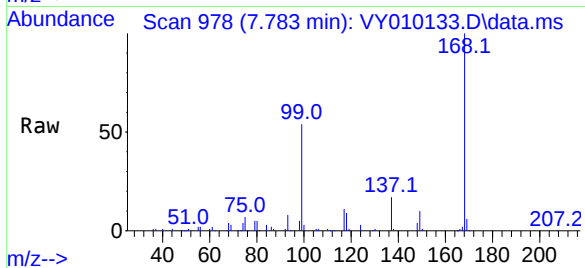




#38
Carbon Tetrachloride
Concen: 5.183 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

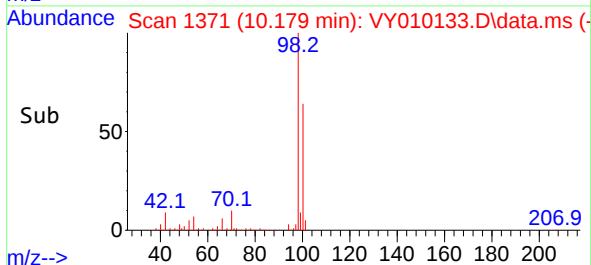
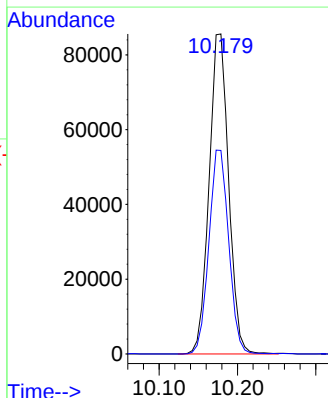
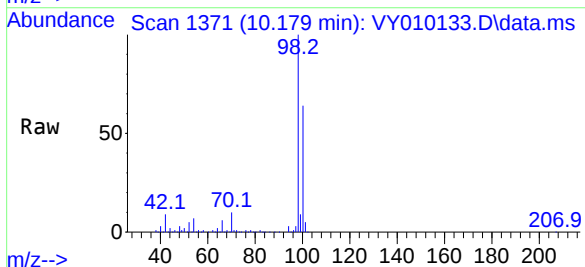
Instrument :
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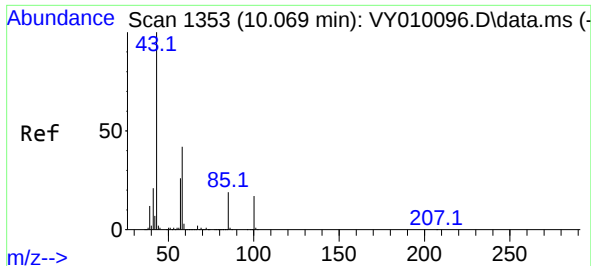
Tgt Ion:117 Resp: 6999
Ion Ratio Lower Upper
117 100
119 6.2 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.052 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

Tgt Ion: 98 Resp: 148271
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

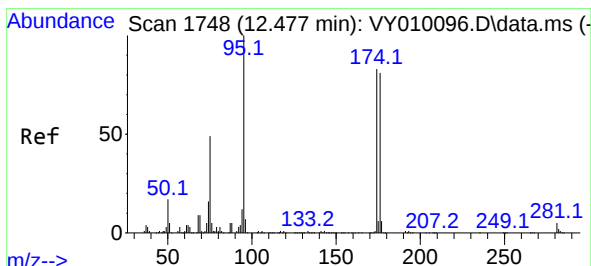
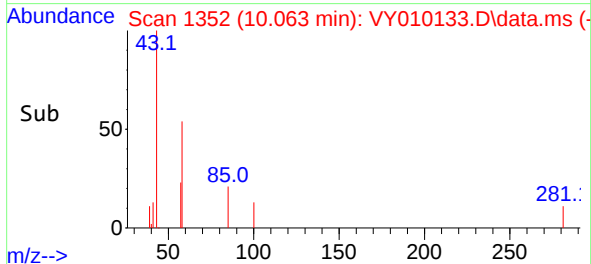
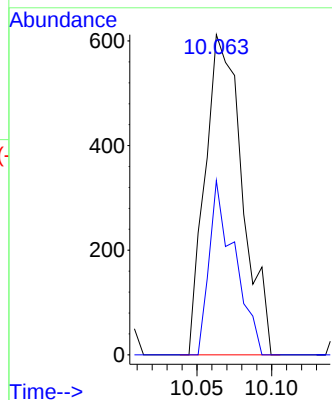
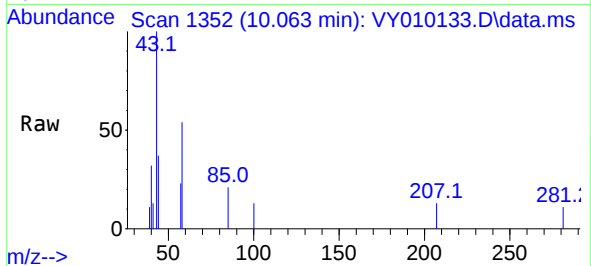




#51
4-Methyl-2-Pentanone
Concen: 1.654 ug/l
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

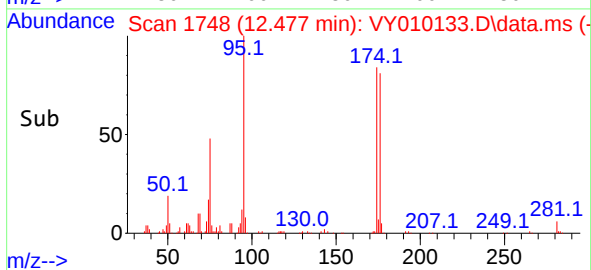
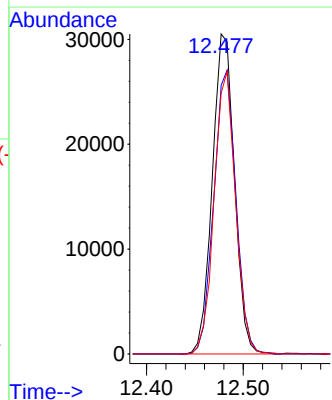
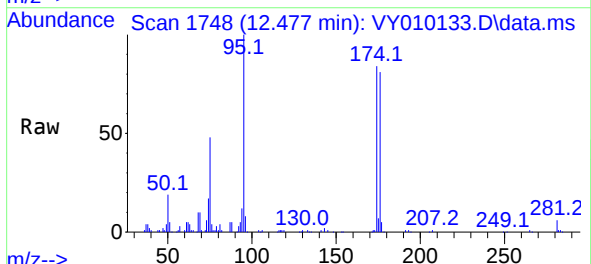
Instrument :
MSVOA_Y
ClientSampleId :
SS-1

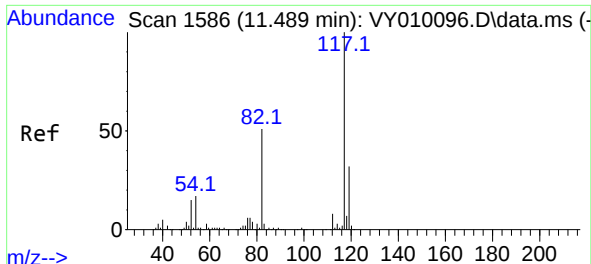
Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 37.2 33.3 49.9



#62
4-Bromofluorobenzene
Concen: 44.873 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

Tgt Ion: 95 Resp: 48463
Ion Ratio Lower Upper
95 100
174 88.8 0.0 173.8
176 85.5 0.0 167.2

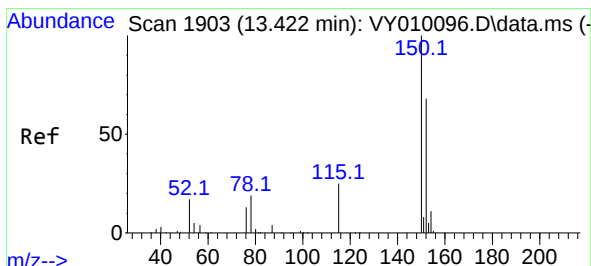
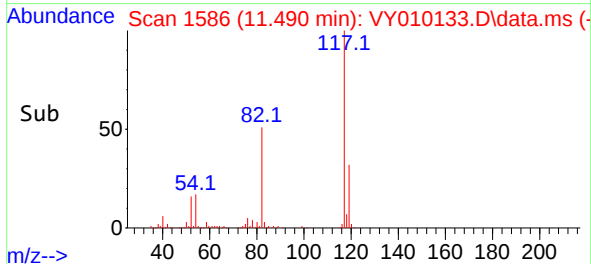
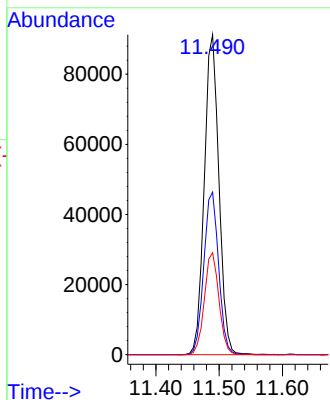
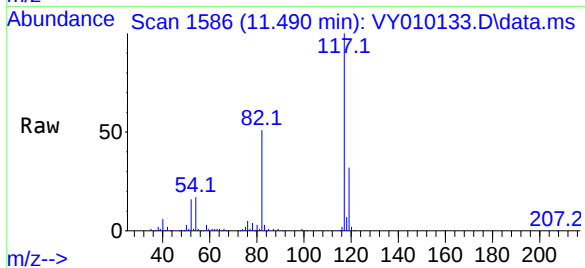




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

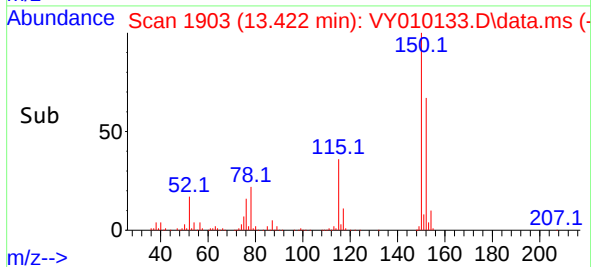
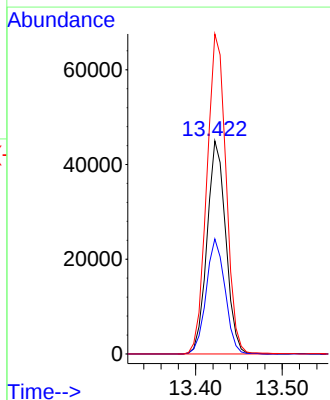
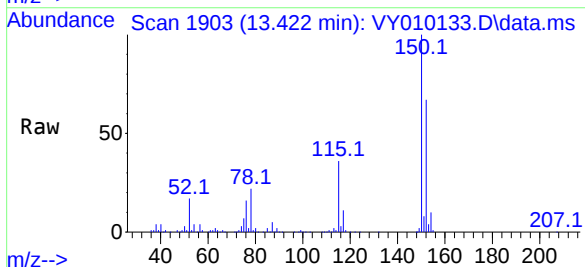
Instrument :
MSVOA_Y
ClientSampleId :
SS-1

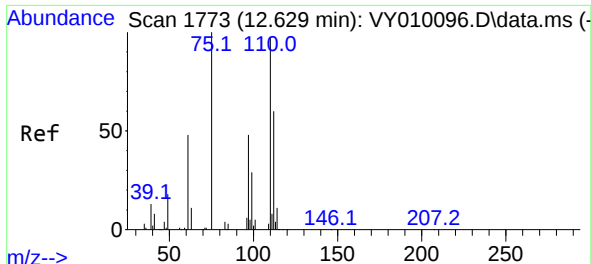
Tgt Ion:117 Resp: 147036
Ion Ratio Lower Upper
117 100
82 50.8 40.6 61.0
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

Tgt Ion:152 Resp: 67360
Ion Ratio Lower Upper
152 100
115 54.5 28.1 84.2
150 154.3 0.0 346.2

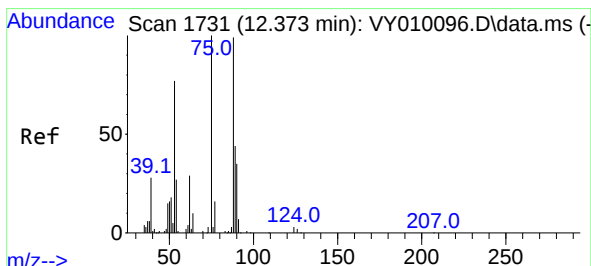
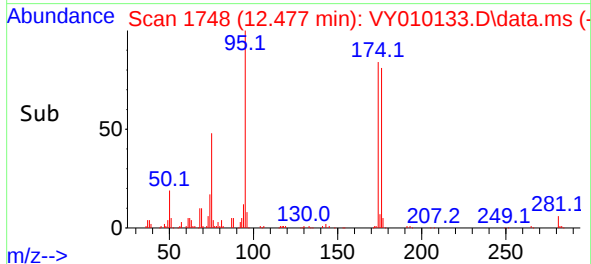
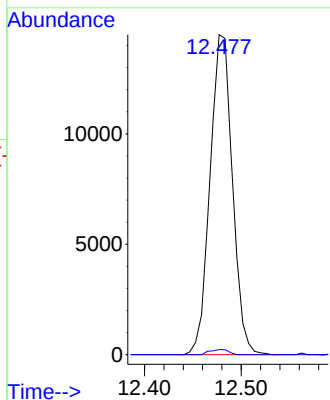
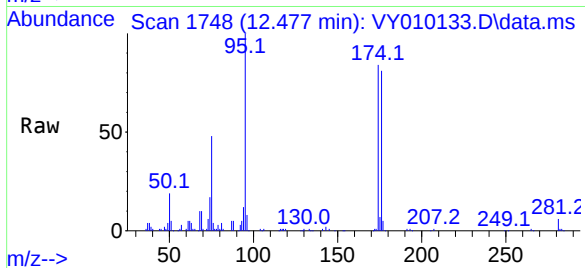




#76
1,2,3-Trichloropropane
Concen: 36.904 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

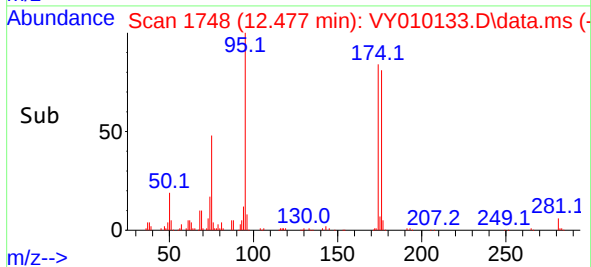
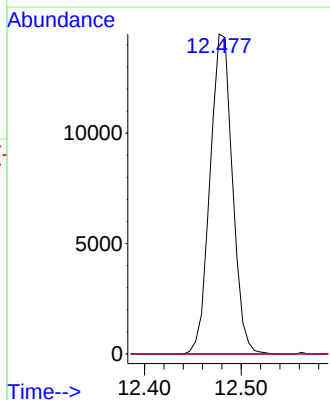
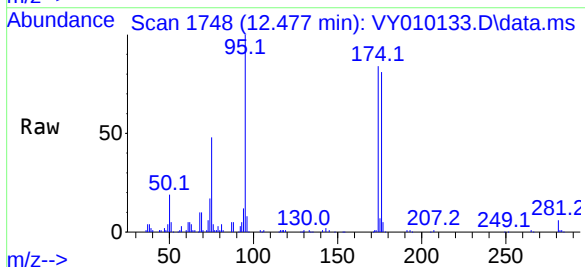
Instrument :
MSVOA_Y
ClientSampleId :
SS-1

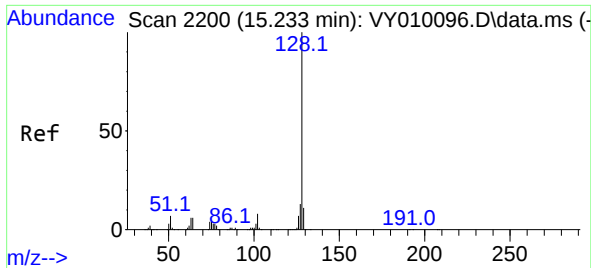
Tgt Ion: 75 Resp: 23281
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.123 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

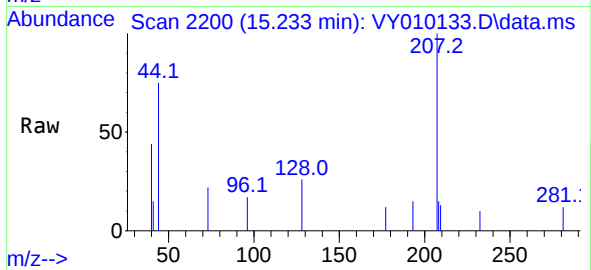
Tgt Ion: 75 Resp: 23281
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 36.8 55.2#





#95
Naphthalene
Concen: 3.956 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010133.D
Acq: 20 Aug 2022 03:59

Instrument :
MSVOA_Y
ClientSampleId :
SS-1



Tgt Ion:128 Resp: 191
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.9 13.3#

