

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010165.D
 Acq On : 23 Aug 2022 15:12
 Operator : KP/MD
 Sample : N4205-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-2

Quant Time: Aug 24 04:33:05 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)

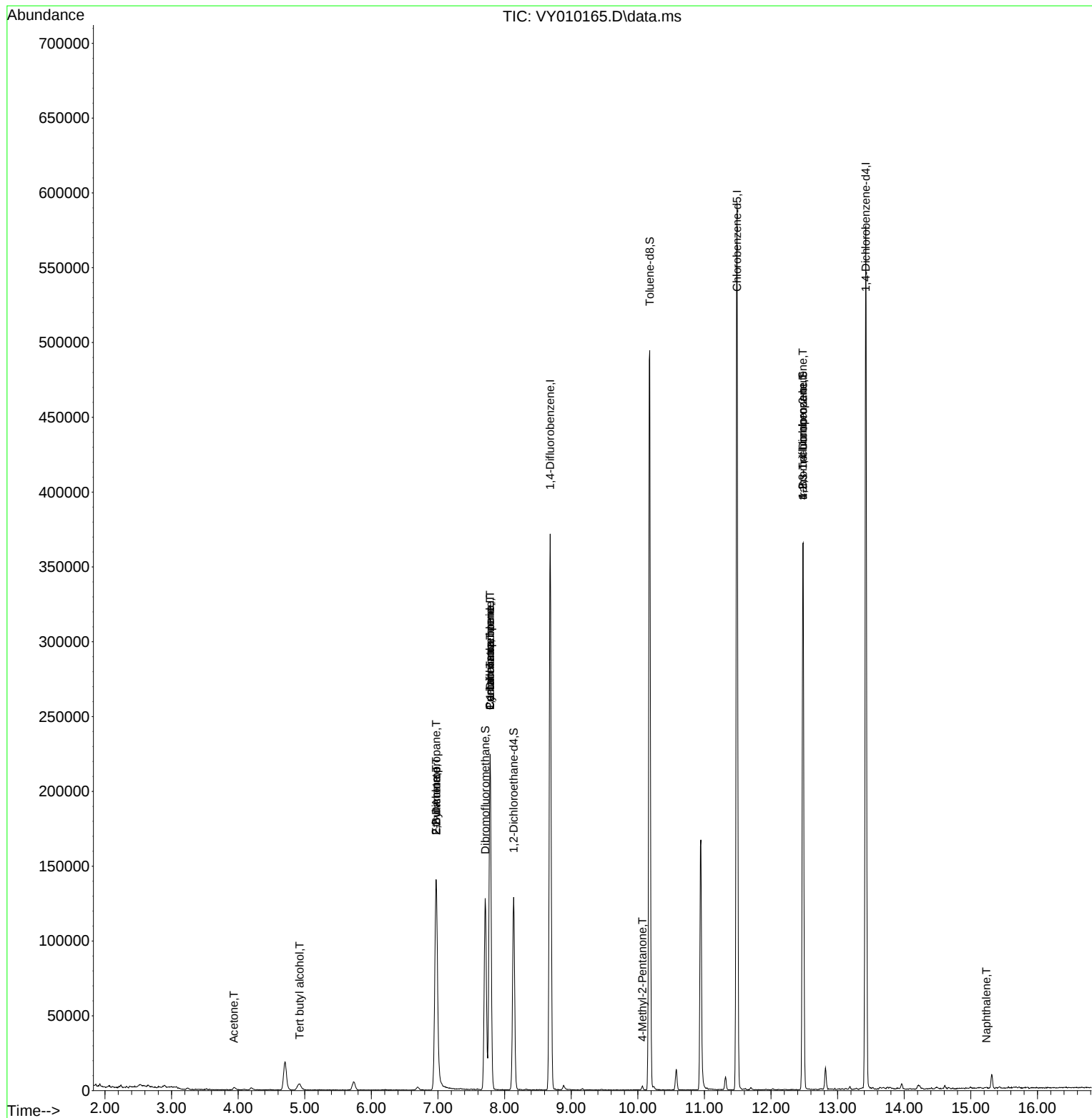
Internal Standards						
1) Pentafluorobenzene	7.783	168	181226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	332753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	95399	64.267	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.540%
35) Dibromofluoromethane	7.710	113	91835	49.715	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.440%
50) Toluene-d8	10.179	98	337782	48.801	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.600%
62) 4-Bromofluorobenzene	12.477	95	113459	45.878	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	5067	42.005	ug/l #	73
16) Acetone	3.936	43	2872	7.730	ug/l	92
20) Methylene Chloride	4.698	84	14073	Below Cal		94
25) 2-Butanone	6.972	43	6542	10.947	ug/l #	76
26) 2,2-Dichloropropane	6.972	77	10448	3.733	ug/l #	50
31) Cyclohexane	7.783	56	3427	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12772	4.332	ug/l #	49
37) Ethyl Acetate	6.972	43	6542	4.370	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16777	5.425	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	1767	1.209	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	56209	38.916	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56209	78.163	ug/l #	18
95) Naphthalene	15.233	128	793	4.012	ug/l #	77

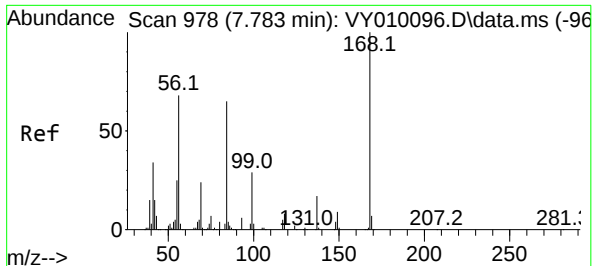
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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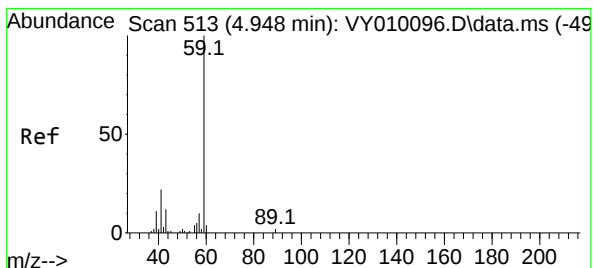
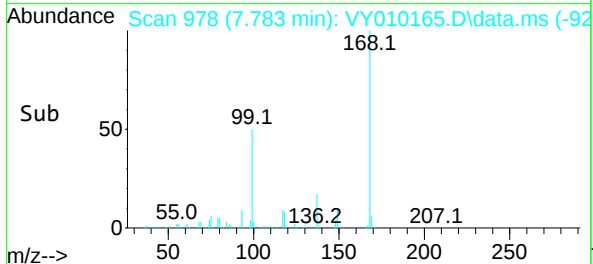
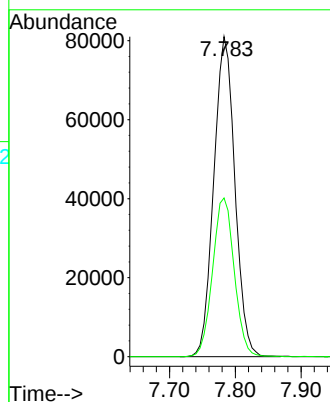
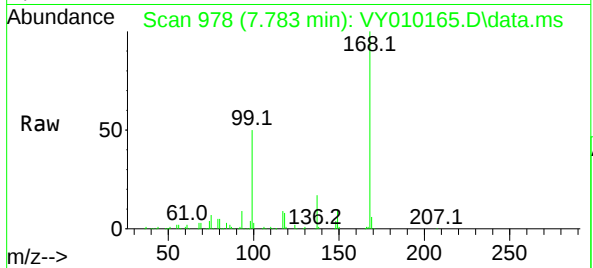




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

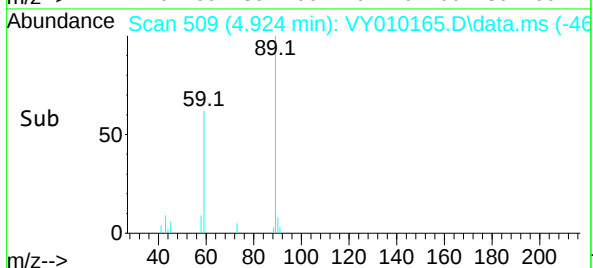
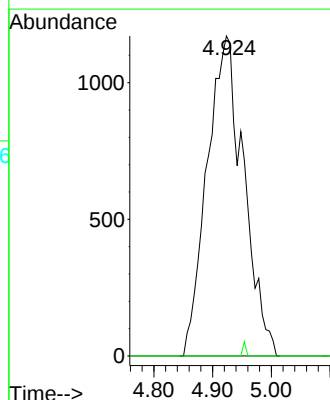
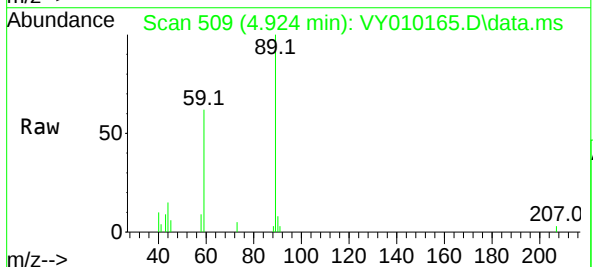
Instrument :
MSVOA_Y
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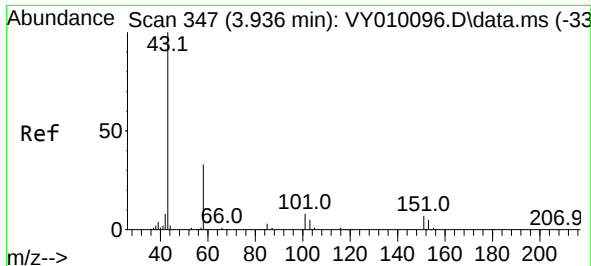
Tgt Ion:168 Resp: 181226
Ion Ratio Lower Upper
168 100
99 49.6 40.7 61.1



#11
Tert butyl alcohol
Concen: 42.005 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion: 59 Resp: 5067
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

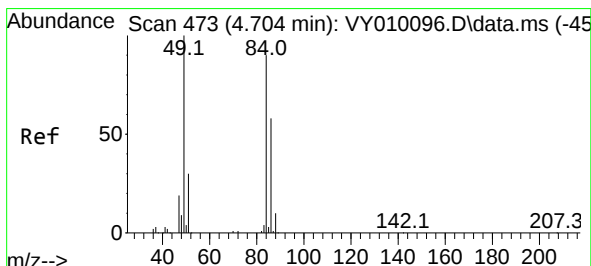
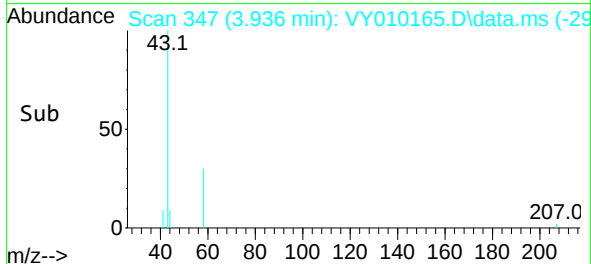
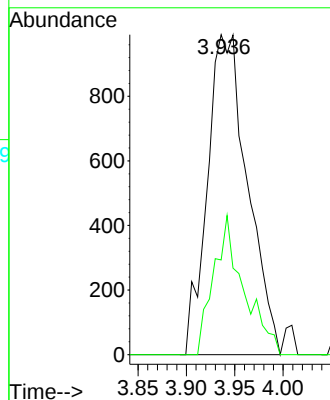
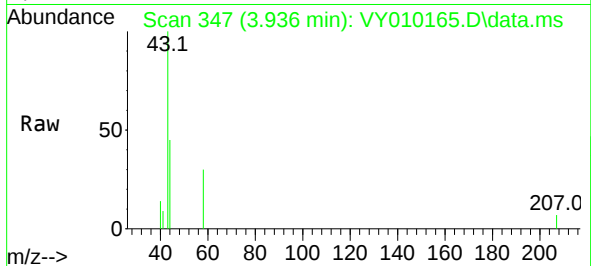




#16
Acetone
Concen: 7.730 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

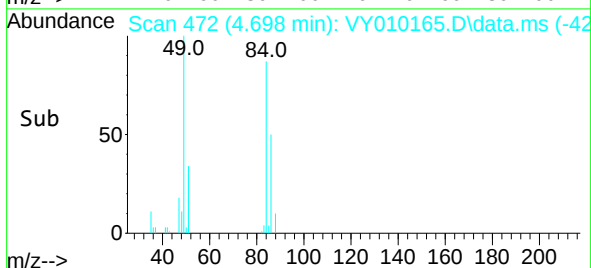
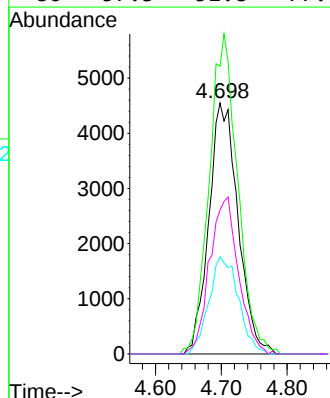
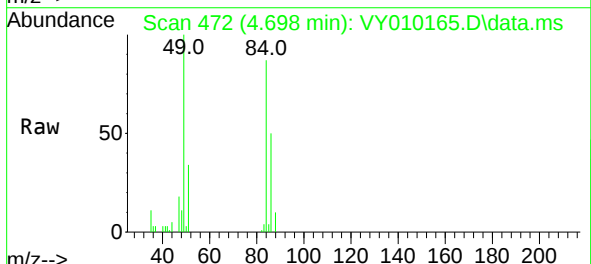
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

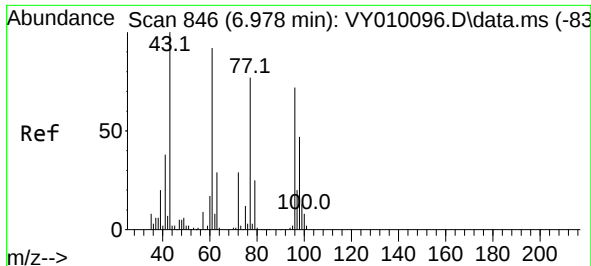
Tgt Ion: 43 Resp: 2872
Ion Ratio Lower Upper
43 100
58 29.6 27.4 41.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion: 84 Resp: 14073
Ion Ratio Lower Upper
84 100
49 114.7 89.0 133.4
51 38.8 27.0 40.6
86 57.3 51.8 77.6





#25

2-Butanone

Concen: 10.947 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010165.D

Acq: 23 Aug 2022 15:12

Instrument :

MSVOA_Y

ClientSampleId :

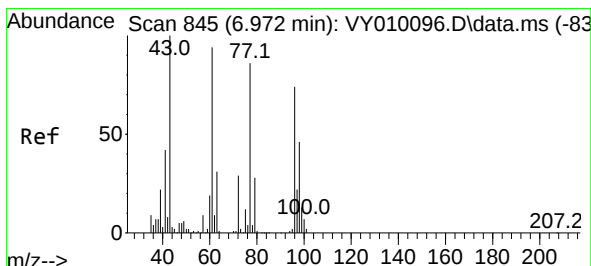
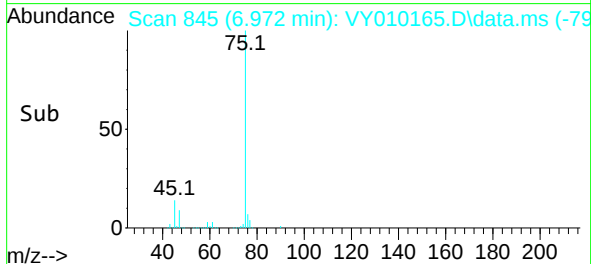
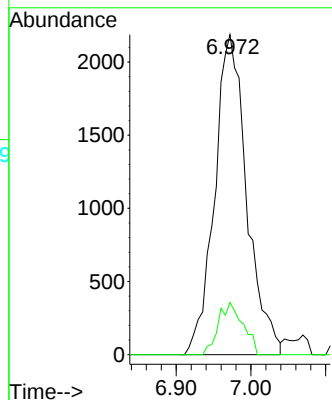
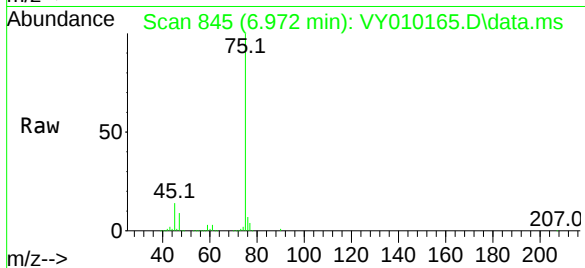
SS-2

Tgt Ion: 43 Resp: 6542

Ion Ratio Lower Upper

43 100

72 16.3 23.2 34.8#



#26

2,2-Dichloropropane

Concen: 3.733 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010165.D

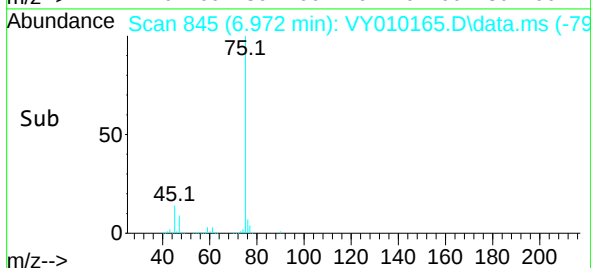
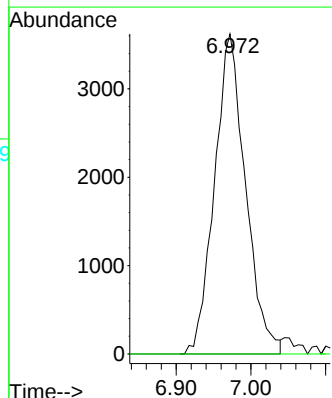
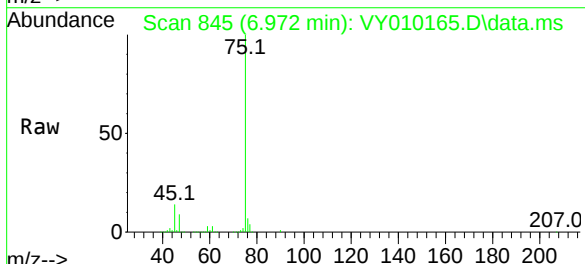
Acq: 23 Aug 2022 15:12

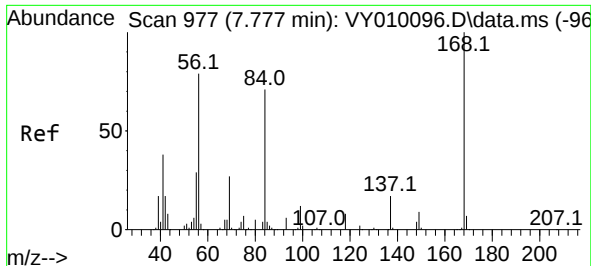
Tgt Ion: 77 Resp: 10448

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#

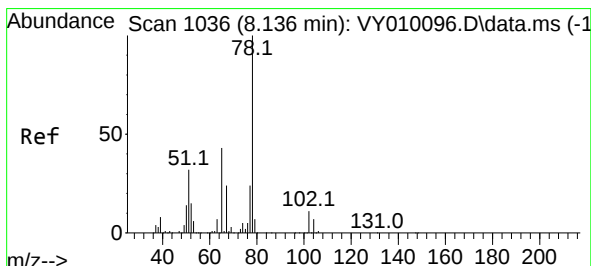
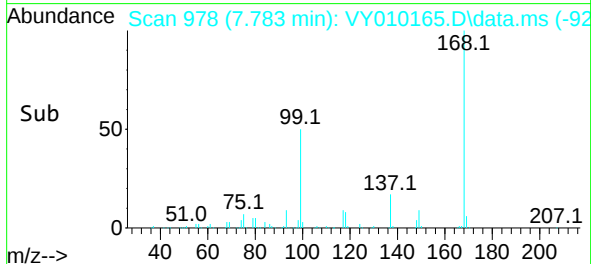
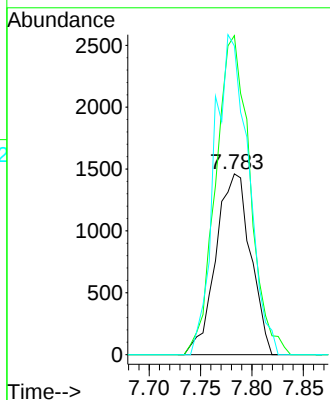
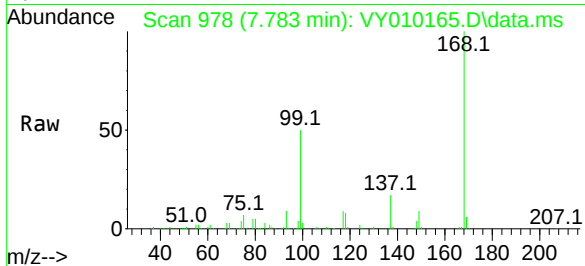




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

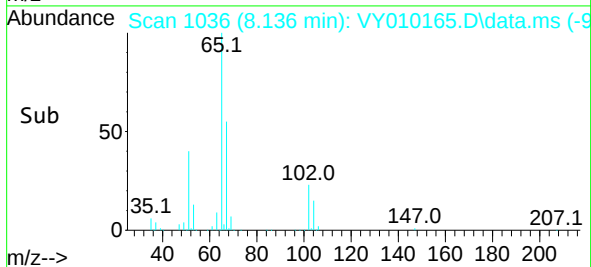
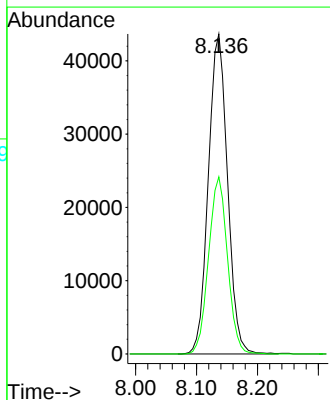
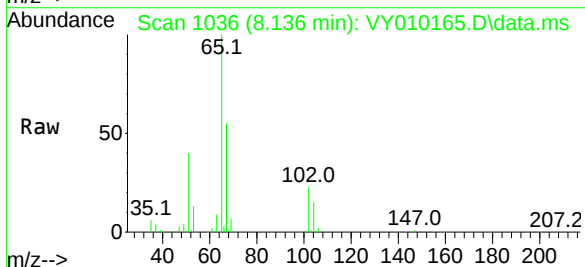
Instrument :
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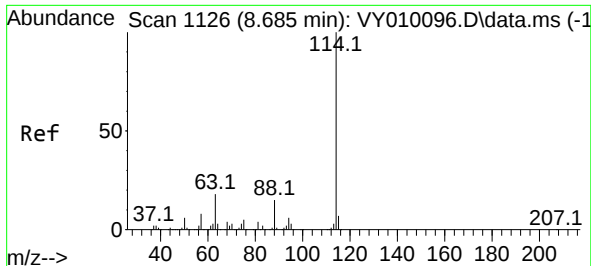
Tgt Ion: 56 Resp: 3427
Ion Ratio Lower Upper
56 100
69 176.5 27.3 40.9#
84 170.8 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 64.267 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion: 65 Resp: 95399
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.6

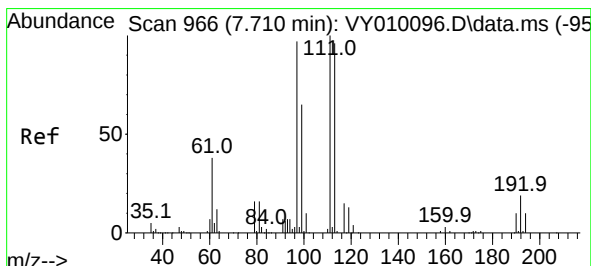
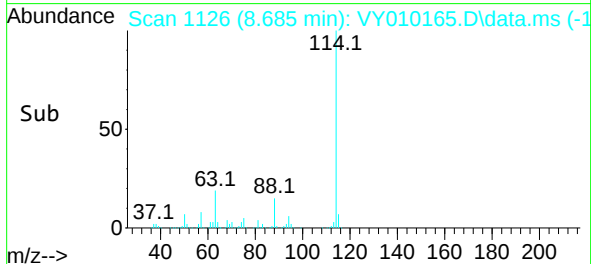
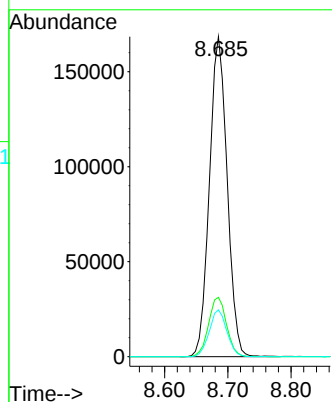
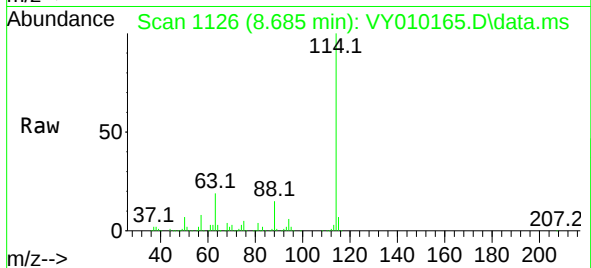




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

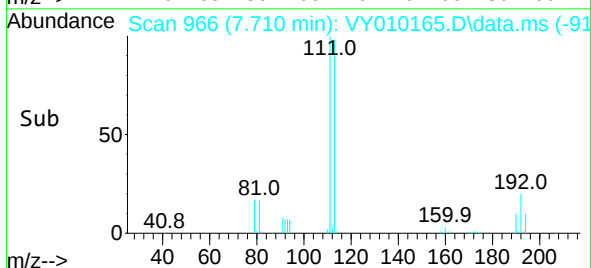
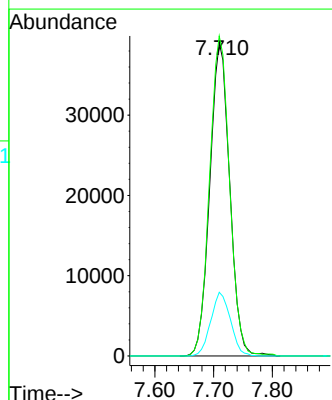
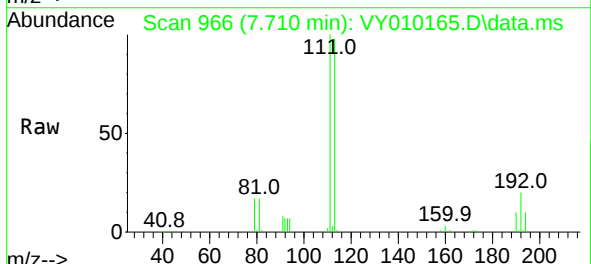
Instrument :
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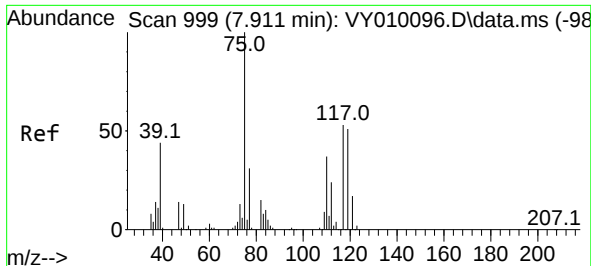
Tgt Ion:114 Resp: 327822
Ion Ratio Lower Upper
114 100
63 18.6 0.0 35.6
88 14.7 0.0 29.6



#35
Dibromofluoromethane
Concen: 49.715 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion:113 Resp: 91835
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 20.1 16.3 24.5

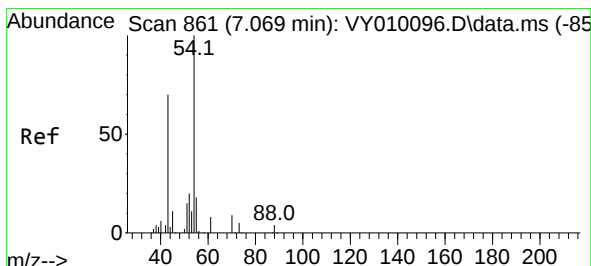
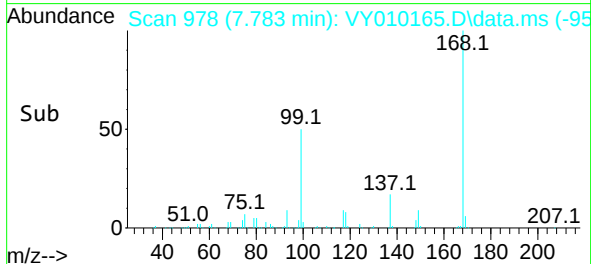
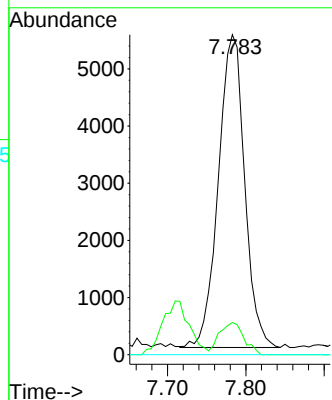
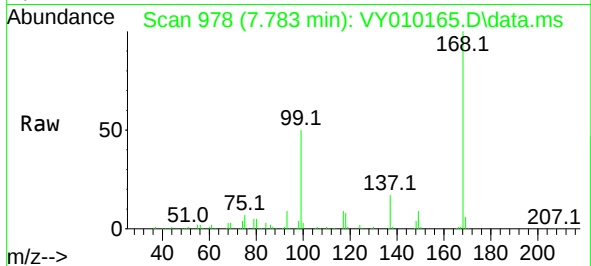




#36
1,1-Dichloropropene
Concen: 4.332 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

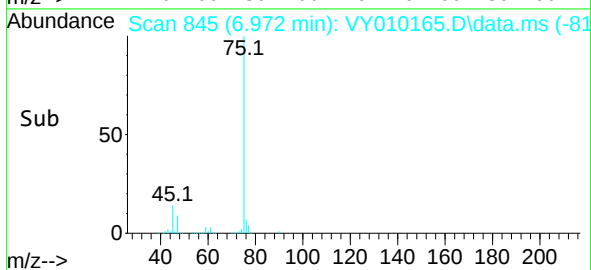
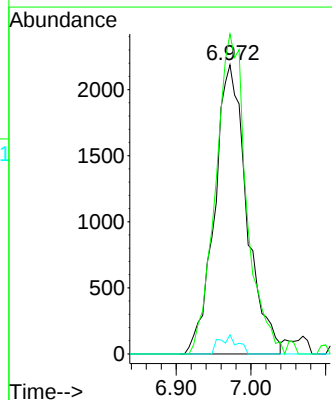
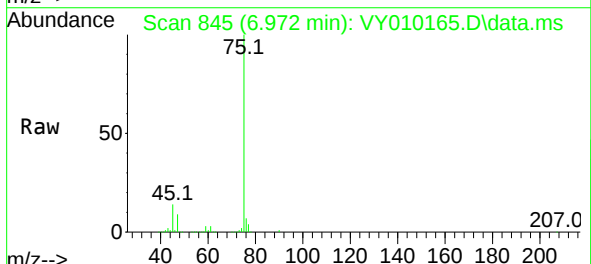
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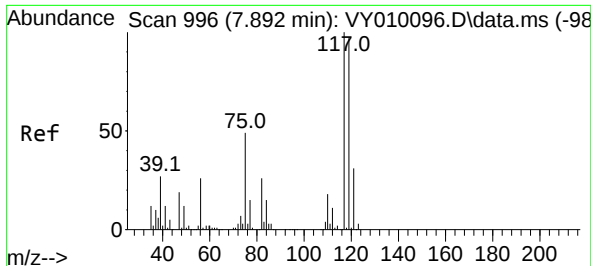
Tgt Ion: 75 Resp: 12772
Ion Ratio Lower Upper
75 100
110 9.6 18.6 56.0#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 4.370 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.097 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion: 43 Resp: 6542
Ion Ratio Lower Upper
43 100
61 106.3 11.7 17.5#
70 1.7 9.0 13.4#

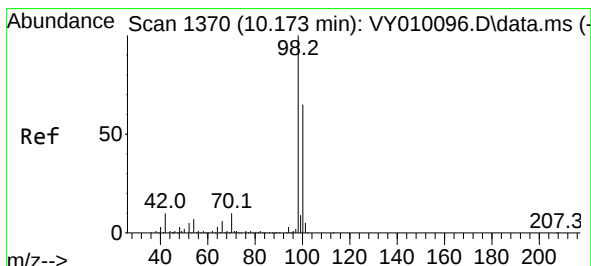
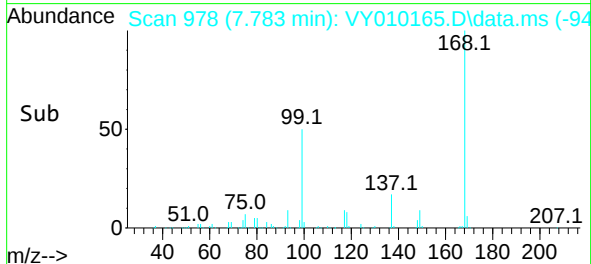
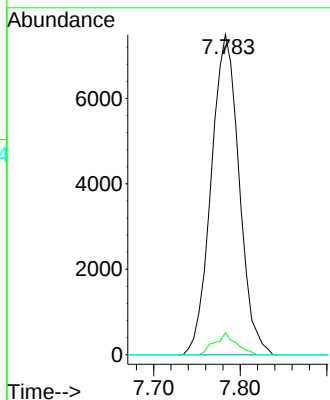
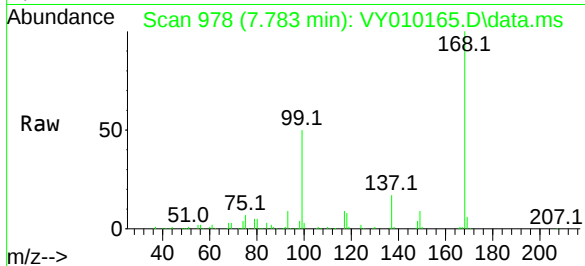




#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

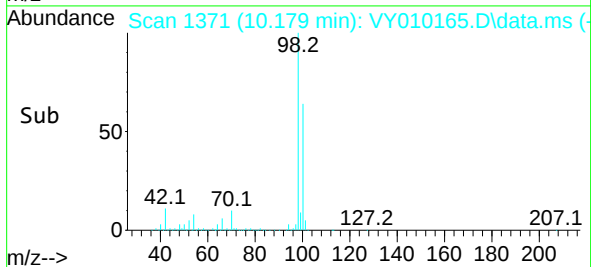
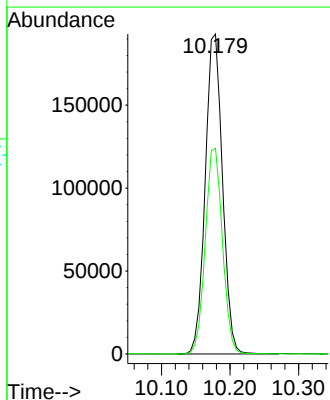
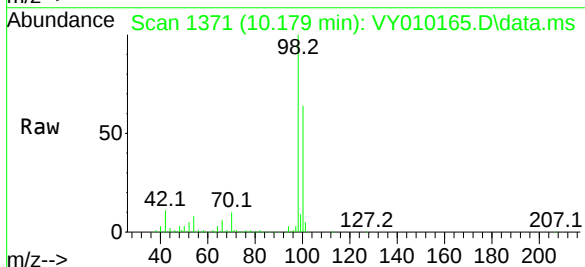
Instrument :
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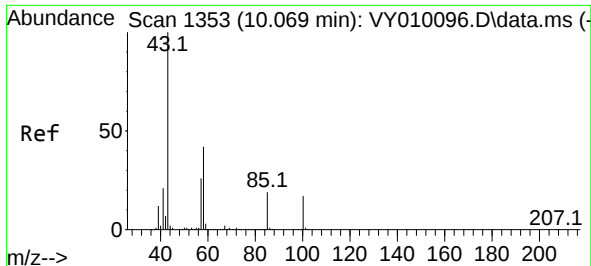
Tgt Ion:117 Resp: 16777
Ion Ratio Lower Upper
117 100
119 6.8 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.801 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion: 98 Resp: 337782
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

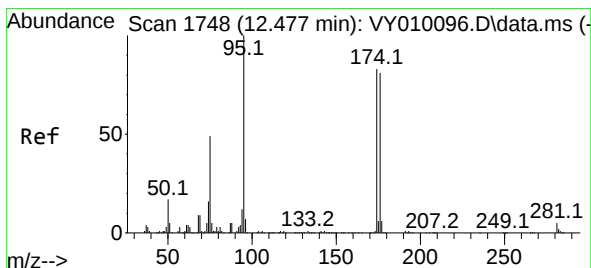
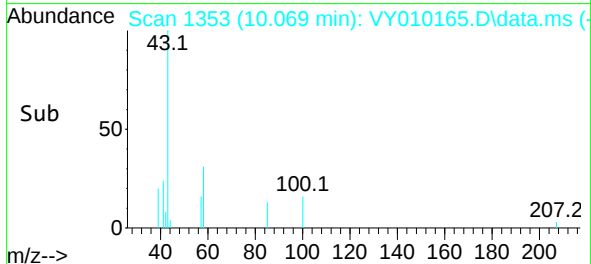
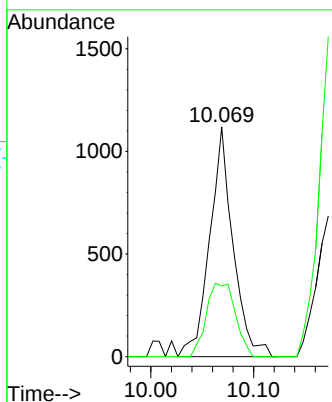
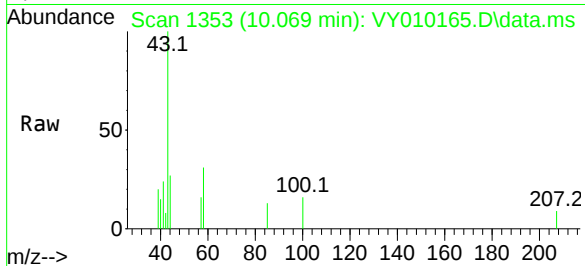




#51
4-Methyl-2-Pentanone
Concen: 1.209 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

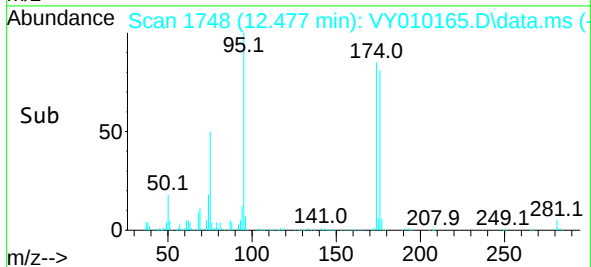
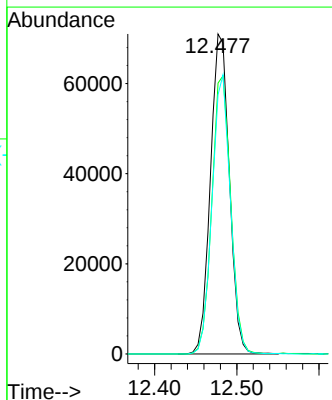
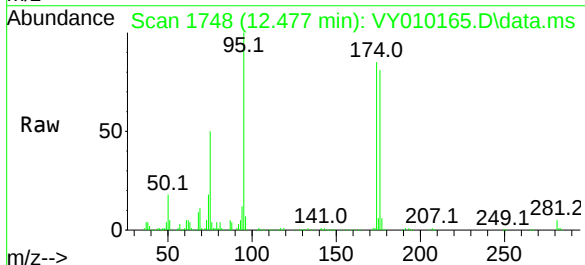
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

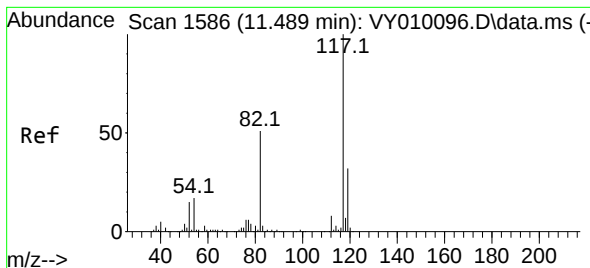
Tgt Ion: 43 Resp: 1767
Ion Ratio Lower Upper
43 100
58 39.6 33.3 49.9



#62
4-Bromofluorobenzene
Concen: 45.878 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion: 95 Resp: 113459
Ion Ratio Lower Upper
95 100
174 86.6 0.0 173.8
176 84.4 0.0 167.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010165.D

Acq: 23 Aug 2022 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SS-2

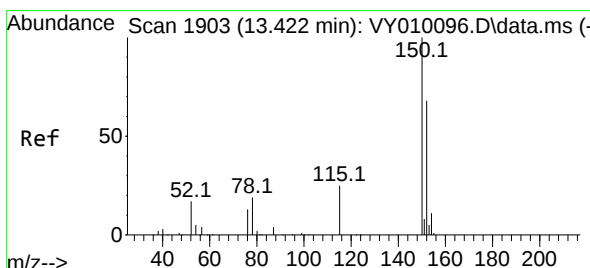
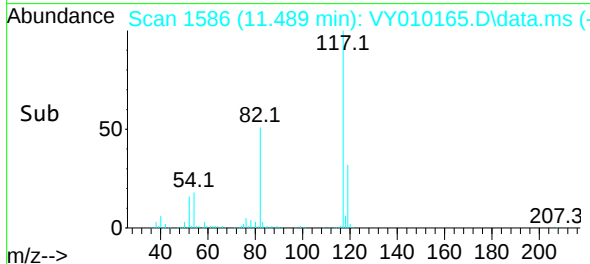
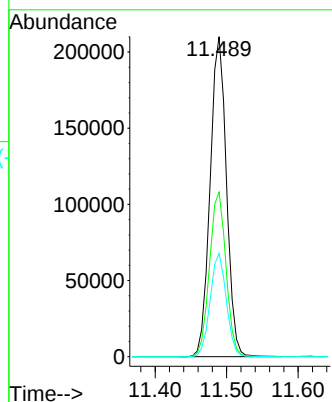
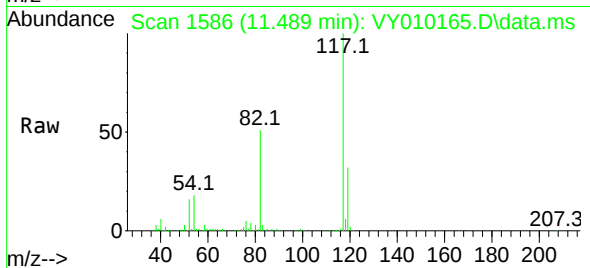
Tgt Ion:117 Resp: 332753

Ion Ratio Lower Upper

117 100

82 51.5 40.6 61.0

119 32.2 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: VY010165.D

Acq: 23 Aug 2022 15:12

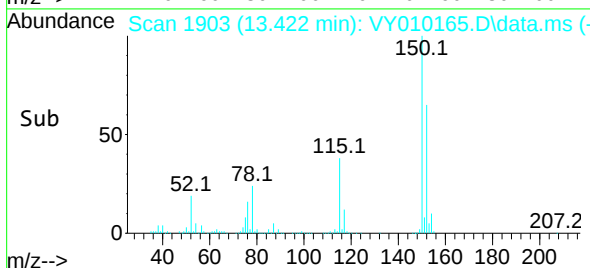
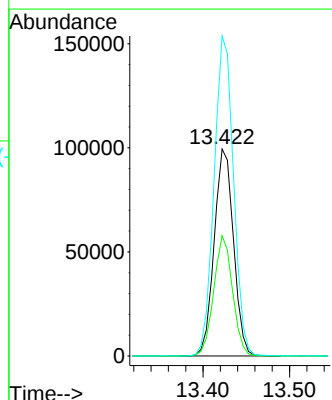
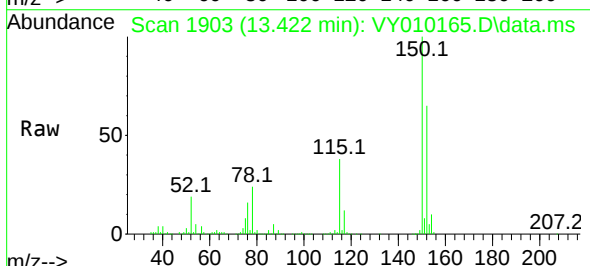
Tgt Ion:152 Resp: 154225

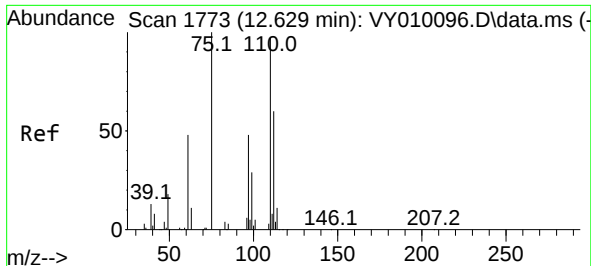
Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.2

150 155.7 0.0 346.2

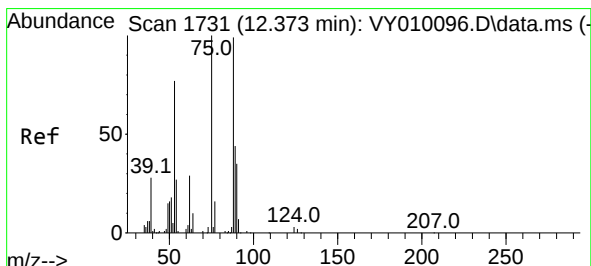
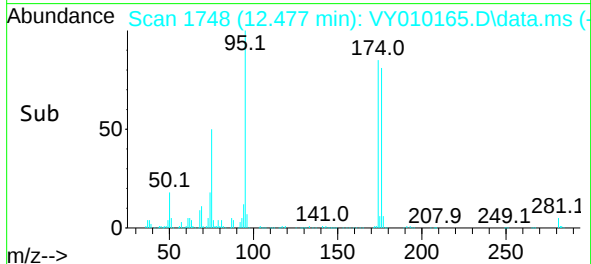
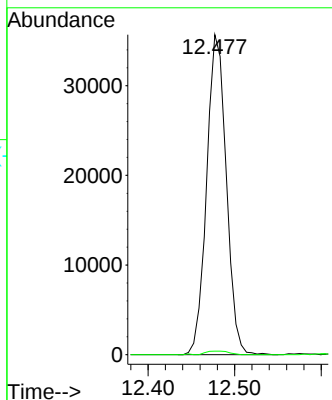
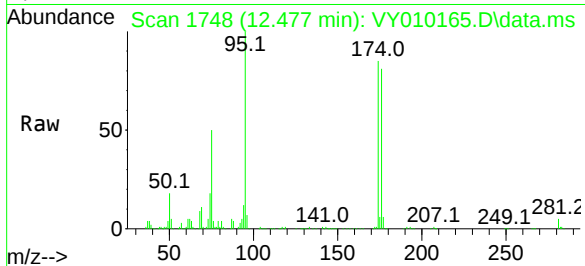




#76
1,2,3-Trichloropropane
Concen: 38.916 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

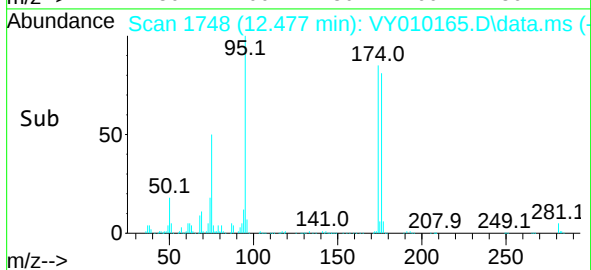
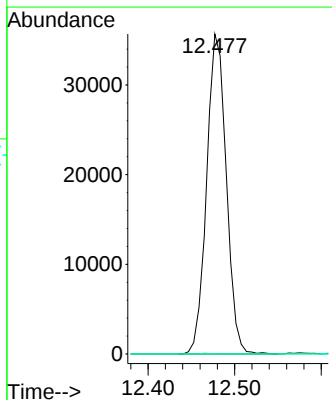
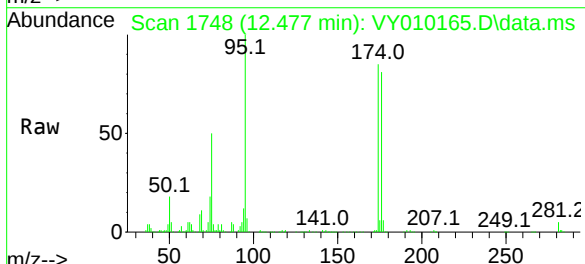
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

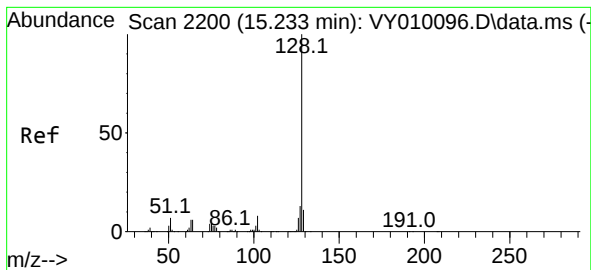
Tgt Ion: 75 Resp: 56209
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.163 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010165.D
Acq: 23 Aug 2022 15:12

Tgt Ion: 75 Resp: 56209
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 36.8 55.2#





#95

Naphthalene

Concen: 4.012 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010165.D

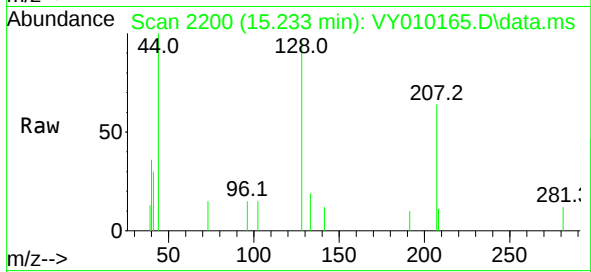
Acq: 23 Aug 2022 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SS-2



Tgt Ion:128 Resp: 793

Ion Ratio Lower Upper

128 100

127 6.1 10.2 15.2#

129 0.0 8.9 13.3#

