

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010245.D
 Acq On : 31 Aug 2022 15:07
 Operator : KP/MD
 Sample : N4353-03RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1-2-COMP-1

Quant Time: Aug 31 23:41:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

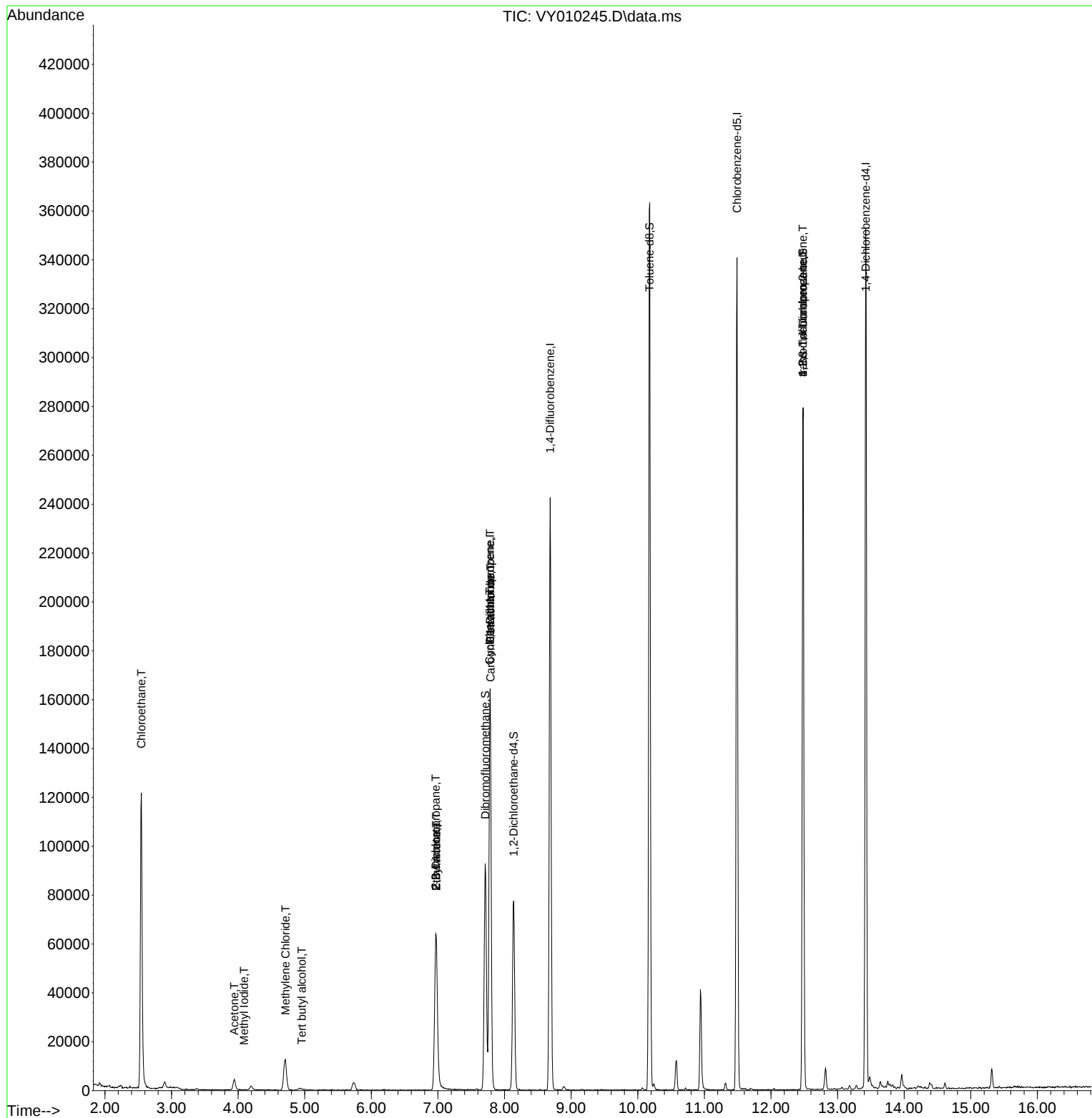
Internal Standards						
1) Pentafluorobenzene	7.783	168	137793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	213557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	195118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	96873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	62544	54.277	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.560%			
35) Dibromofluoromethane	7.710	113	64921	52.937	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.880%			
50) Toluene-d8	10.179	98	246864	54.088	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.180%			
62) 4-Bromofluorobenzene	12.477	95	83991	49.364	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.720%			
Target Compounds						Qvalue
6) Chloroethane	2.546	64	794	1.018	ug/l #	85
10) Methyl Iodide	4.089	142	227	1.576	ug/l #	35
11) Tert butyl alcohol	4.954	59	758	6.530	ug/l #	77
16) Acetone	3.942	43	7404	30.353	ug/l #	88
20) Methylene Chloride	4.710	84	9925	6.910	ug/l	88
25) 2-Butanone	6.972	43	3445	8.200	ug/l #	87
26) 2,2-Dichloropropane	6.966	77	4866	2.454	ug/l #	55
31) Cyclohexane	7.777	56	2115	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8922	4.790	ug/l #	52
37) Ethyl Acetate	6.972	43	3445	3.510	ug/l #	1
38) Carbon Tetrachloride	7.789	117	12954	6.062	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	40264	42.270	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40264	88.188	ug/l #	7

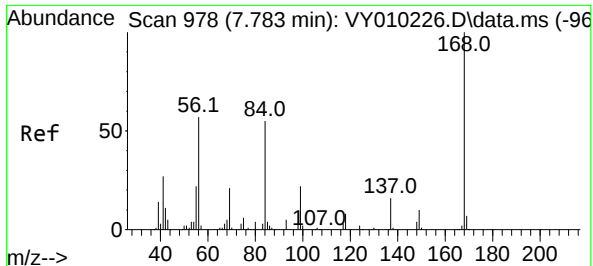
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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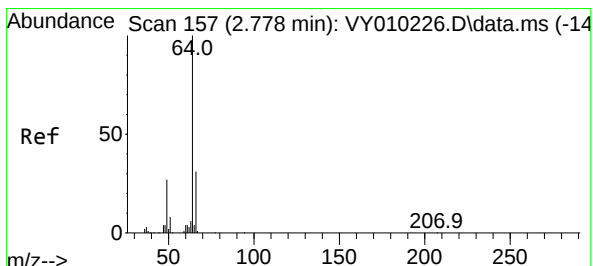
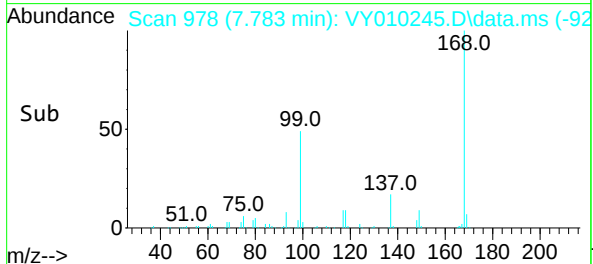
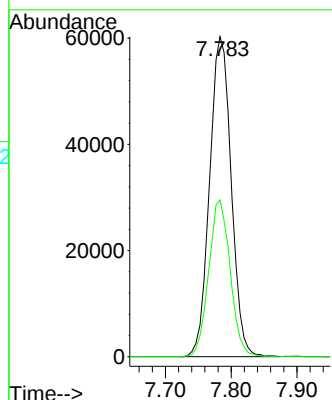
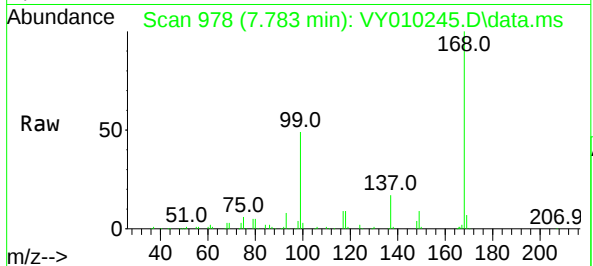




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

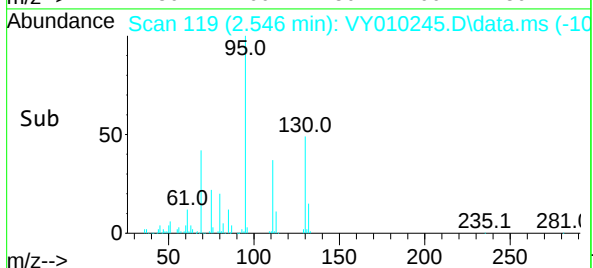
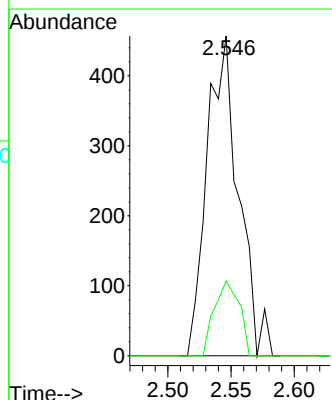
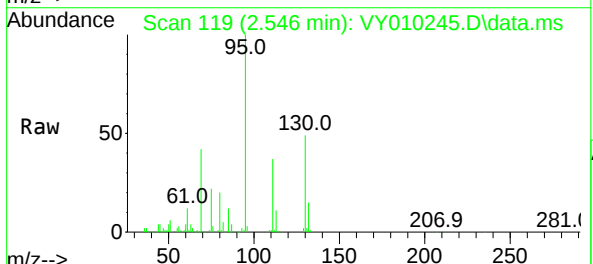
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

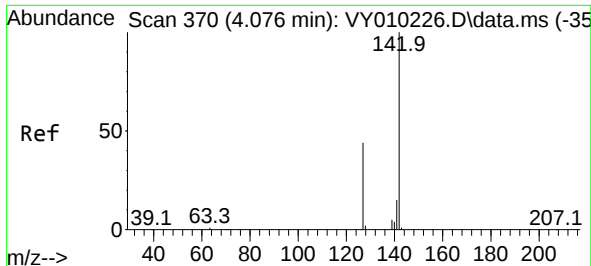
Tgt Ion:168 Resp: 137793
Ion Ratio Lower Upper
168 100
99 49.0 46.9 70.3



#6
Chloroethane
Concen: 1.018 ug/l
RT: 2.546 min Scan# 119
Delta R.T. -0.232 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

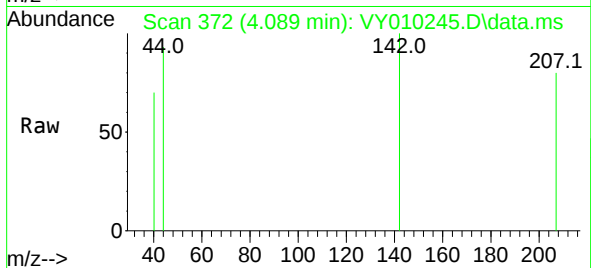
Tgt Ion: 64 Resp: 794
Ion Ratio Lower Upper
64 100
66 23.4 25.4 38.0#



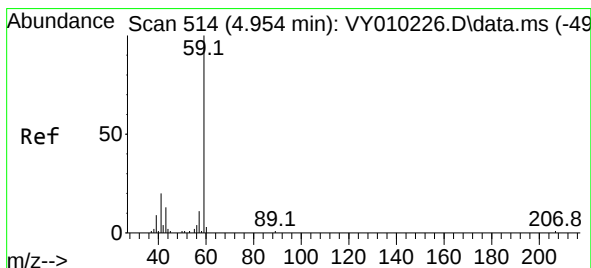
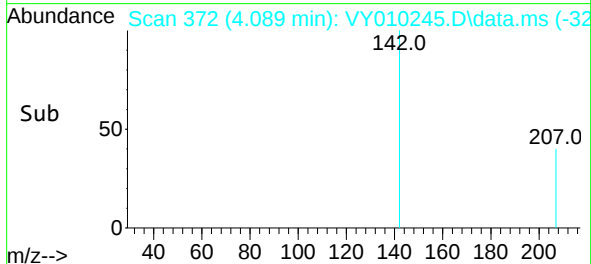
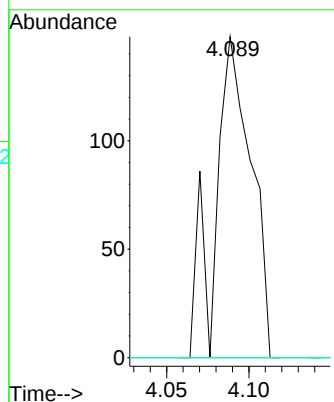


#10
Methyl Iodide
Concen: 1.576 ug/l
RT: 4.089 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

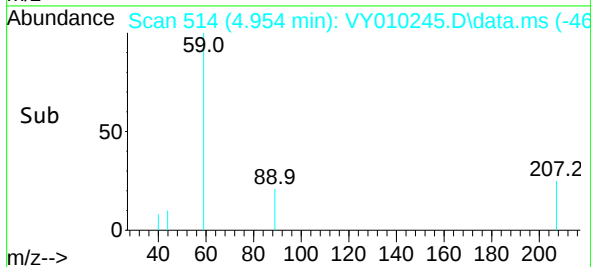
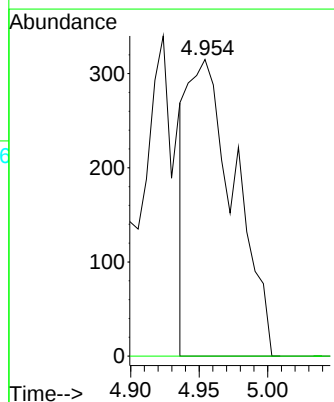
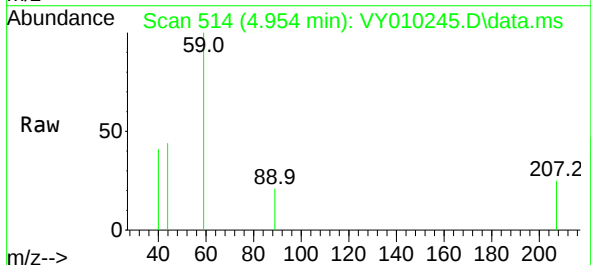


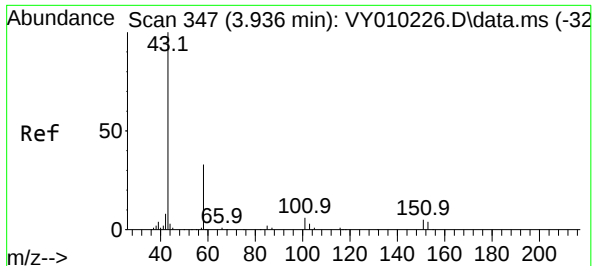
Tgt Ion:142 Resp: 227
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 6.530 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

Tgt Ion: 59 Resp: 758
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 30.353 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY010245.D

Acq: 31 Aug 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

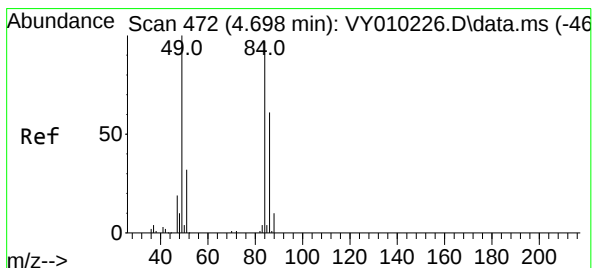
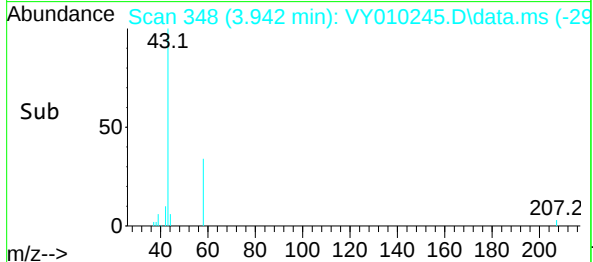
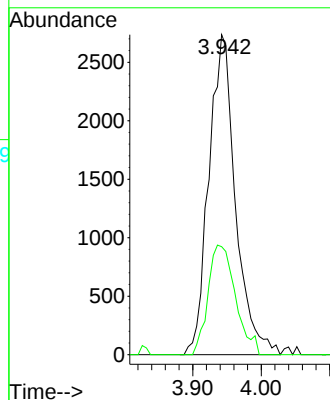
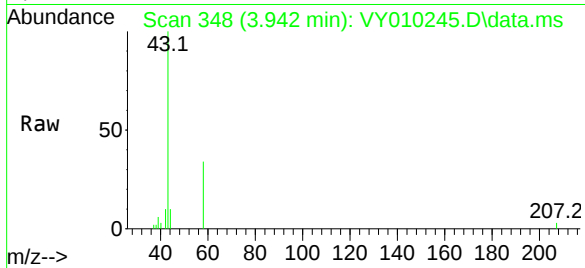
1-2-COMP-1

Tgt Ion: 43 Resp: 7404

Ion Ratio Lower Upper

43 100

58 33.7 22.0 33.0#



#20

Methylene Chloride

Concen: 6.910 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.012 min

Lab File: VY010245.D

Acq: 31 Aug 2022 15:07

Tgt Ion: 84 Resp: 9925

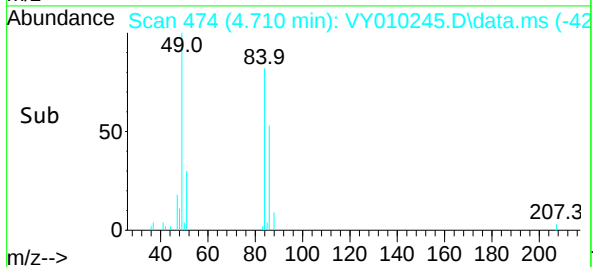
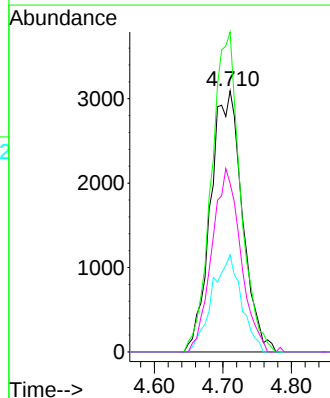
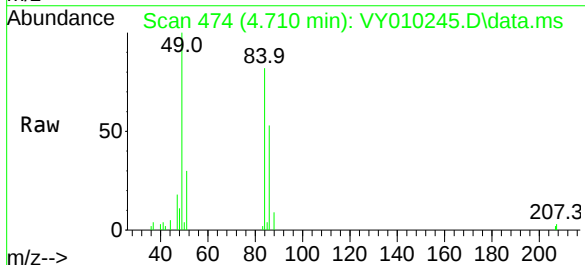
Ion Ratio Lower Upper

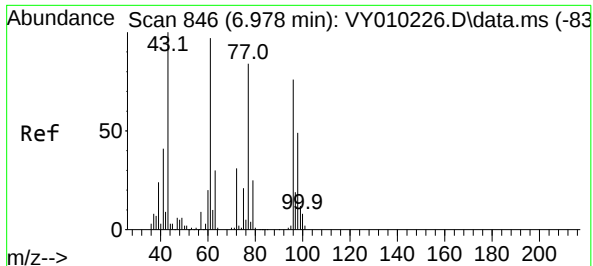
84 100

49 122.6 114.4 171.6

51 37.2 35.3 52.9

86 64.5 53.7 80.5





#25

2-Butanone

Concen: 8.200 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010245.D

Acq: 31 Aug 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

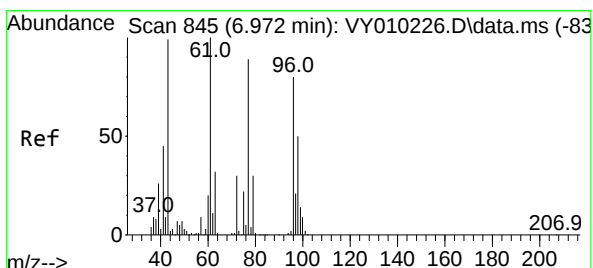
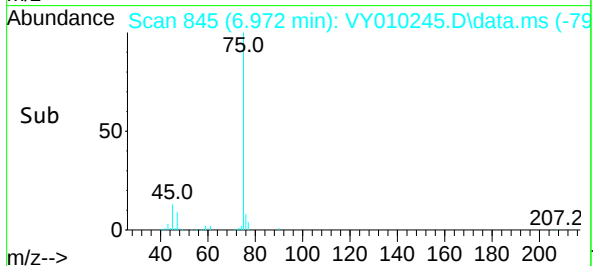
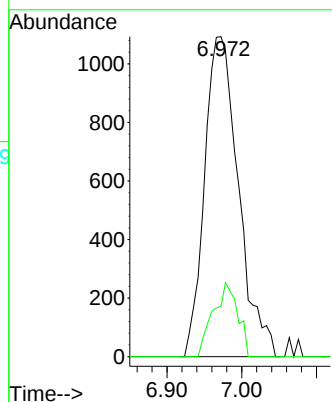
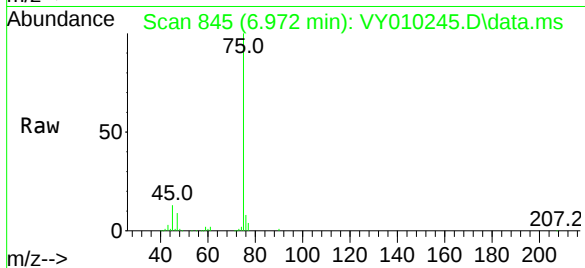
1-2-COMP-1

Tgt Ion: 43 Resp: 3445

Ion Ratio Lower Upper

43 100

72 15.7 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 2.454 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010245.D

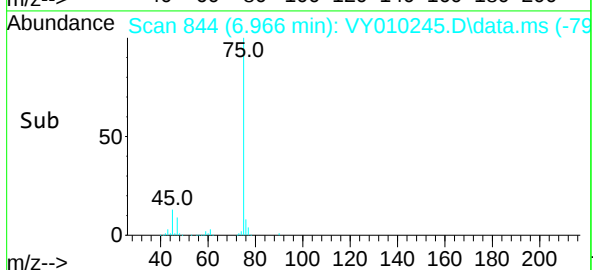
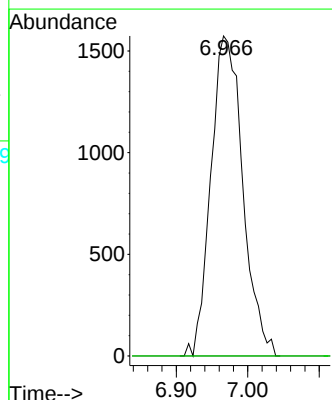
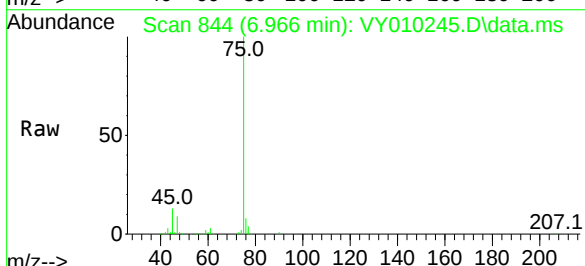
Acq: 31 Aug 2022 15:07

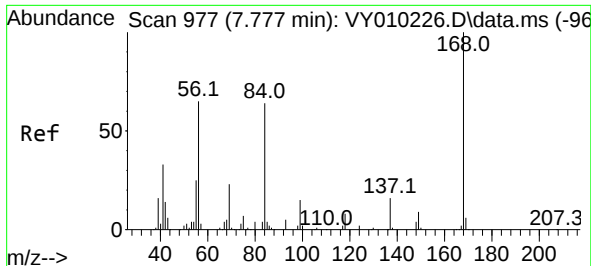
Tgt Ion: 77 Resp: 4866

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

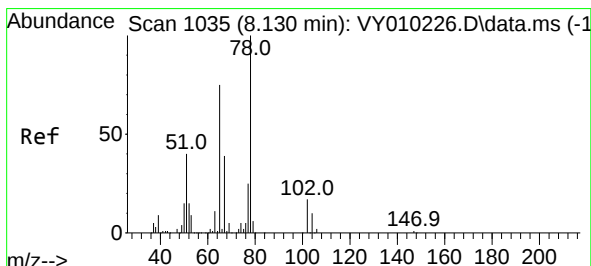
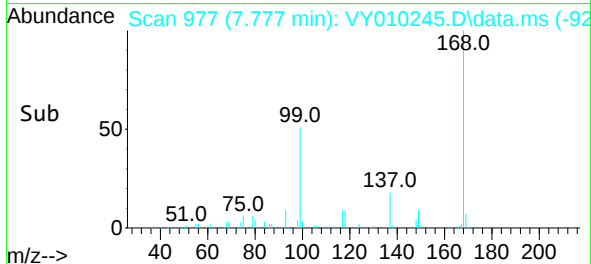
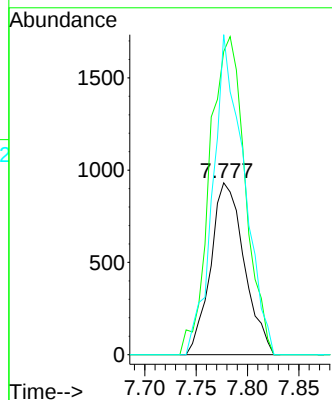
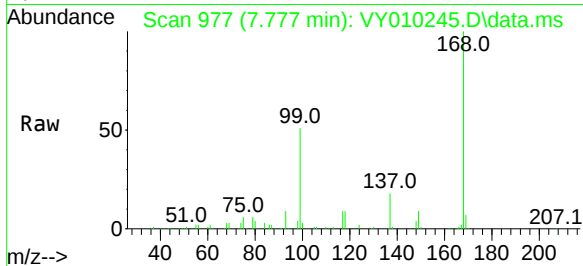




#31
Cyclohexane
Concen: 1.020 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

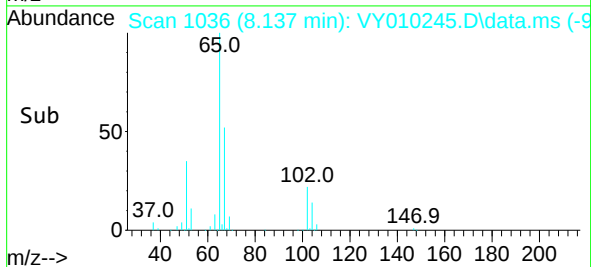
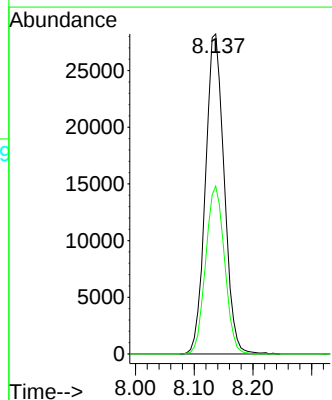
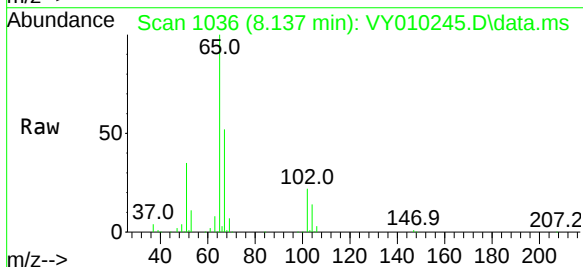
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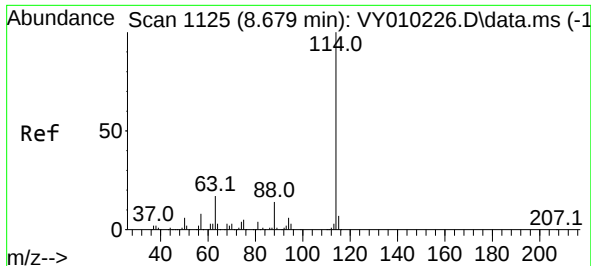
Tgt Ion: 56 Resp: 2115
Ion Ratio Lower Upper
56 100
69 176.5 26.7 40.1#
84 186.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.277 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

Tgt Ion: 65 Resp: 62544
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4

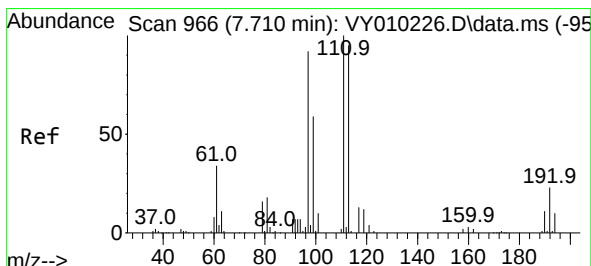
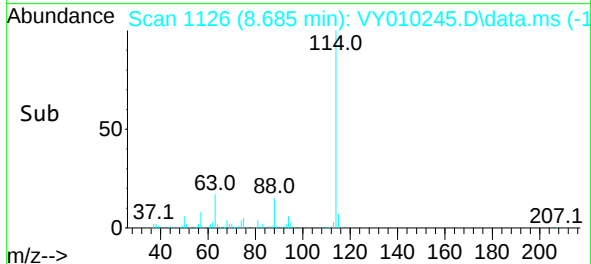
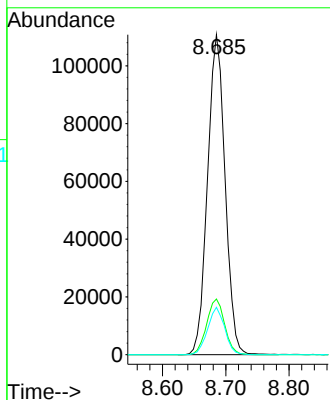
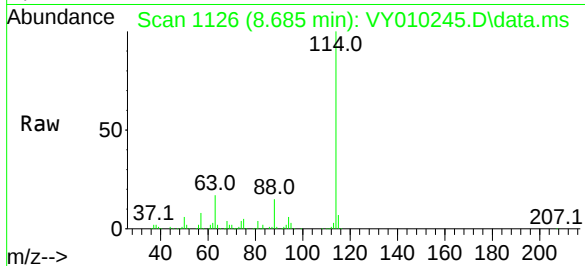




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

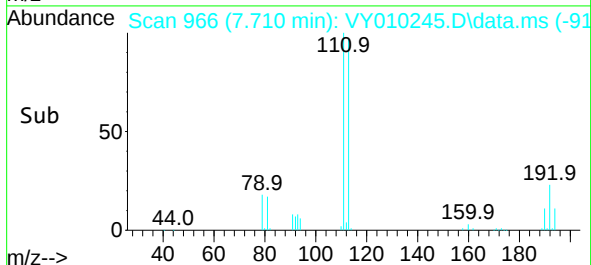
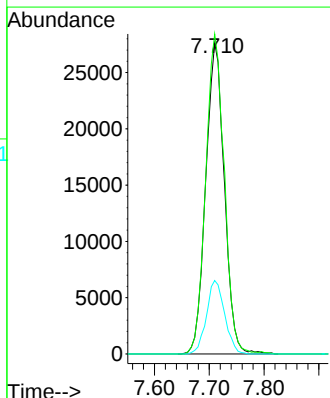
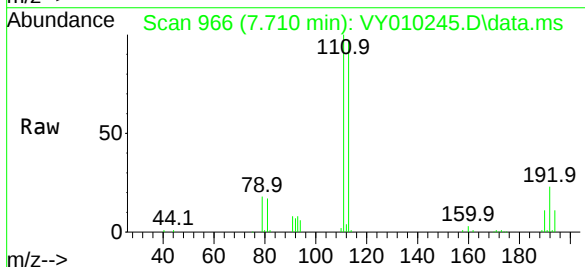
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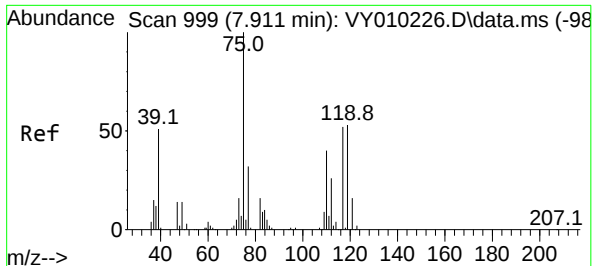
Tgt Ion:114 Resp: 213557
Ion Ratio Lower Upper
114 100
63 17.4 0.0 43.2
88 14.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.937 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

Tgt Ion:113 Resp: 64921
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 23.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010245.D

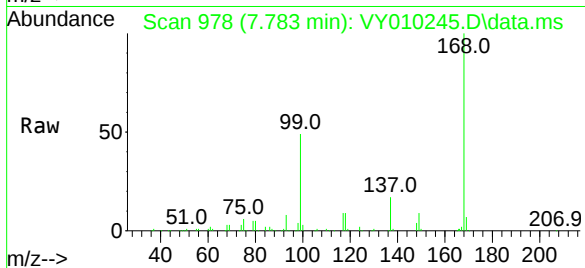
Acq: 31 Aug 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

1-2-COMP-1



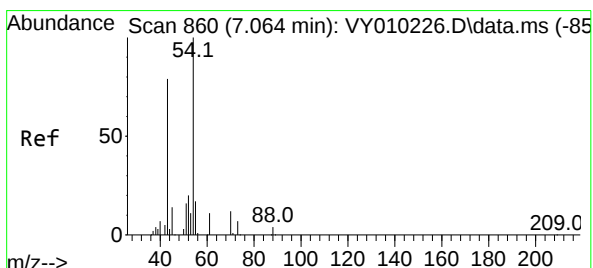
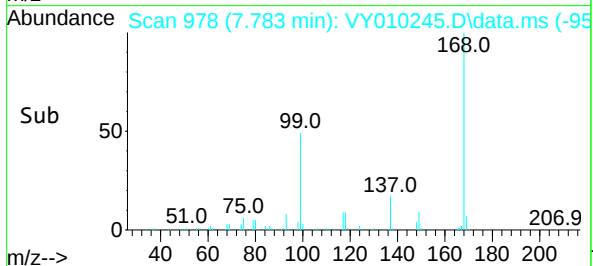
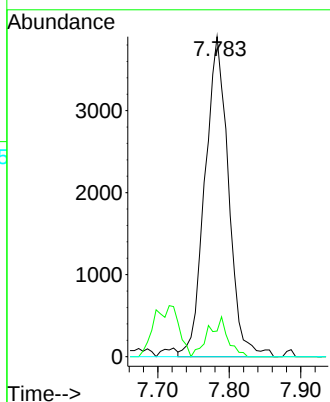
Tgt Ion: 75 Resp: 8922

Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.510 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.091 min

Lab File: VY010245.D

Acq: 31 Aug 2022 15:07

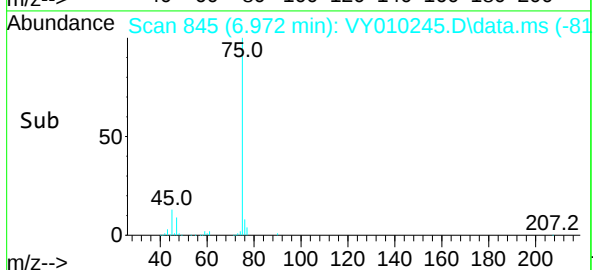
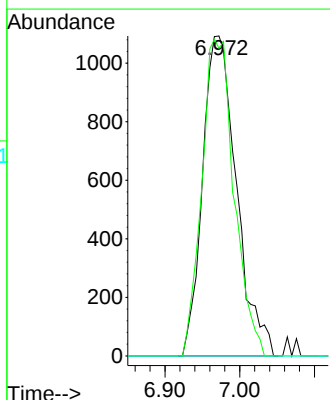
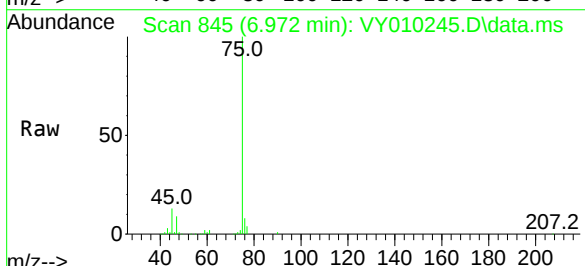
Tgt Ion: 43 Resp: 3445

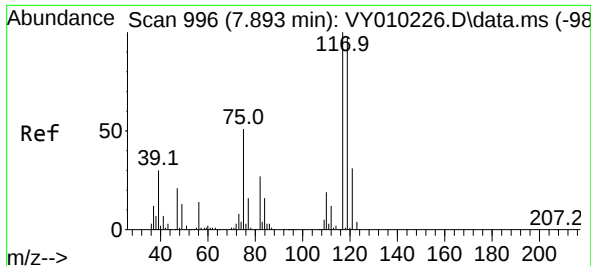
Ion Ratio Lower Upper

43 100

61 94.2 9.7 14.5#

70 0.0 7.1 10.7#

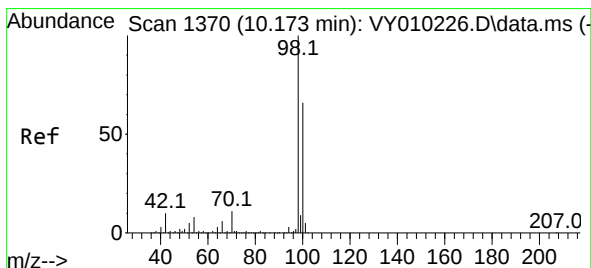
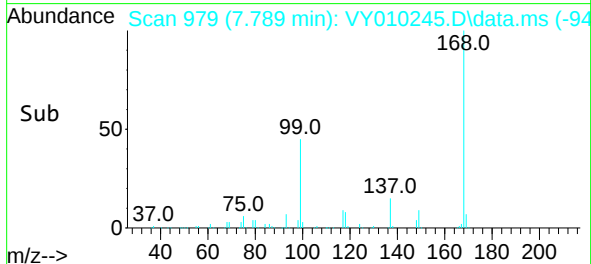
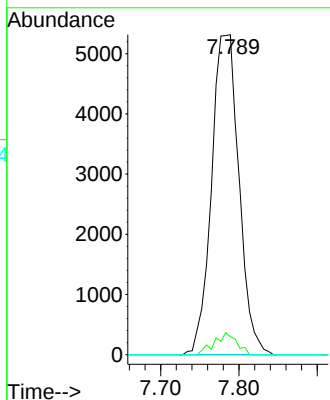
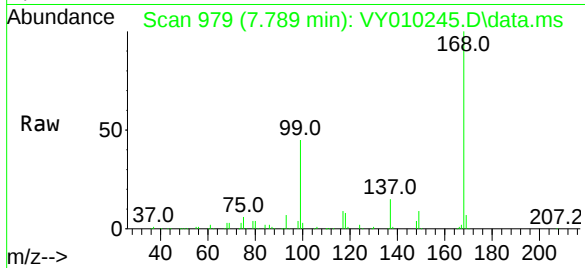




#38
Carbon Tetrachloride
Concen: 6.062 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

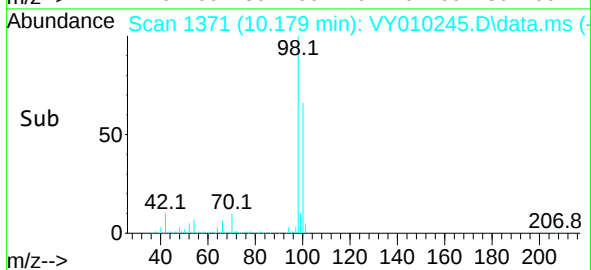
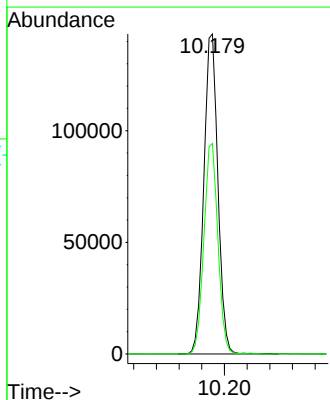
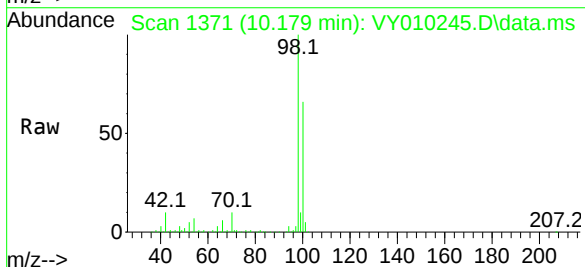
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

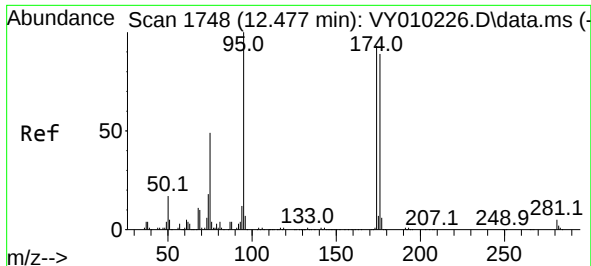
Tgt Ion:117 Resp: 12954
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.088 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

Tgt Ion: 98 Resp: 246864
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2

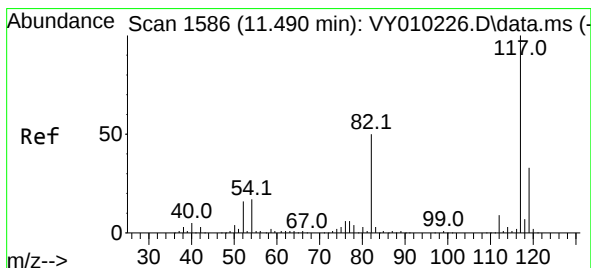
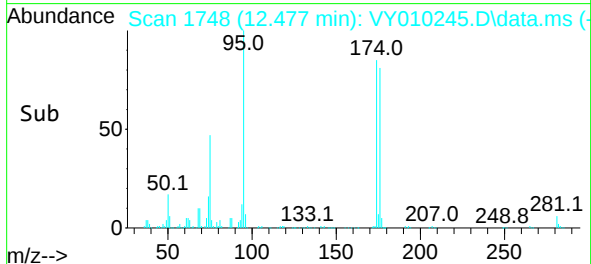
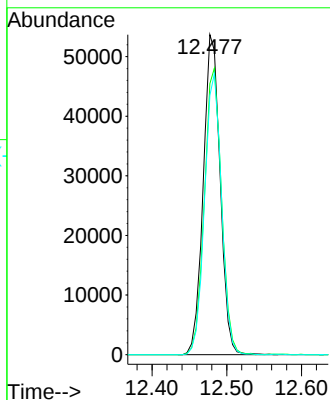
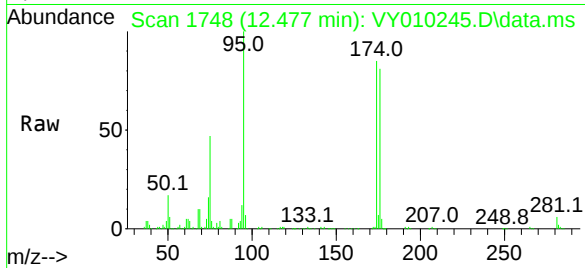




#62
4-Bromofluorobenzene
Concen: 49.364 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

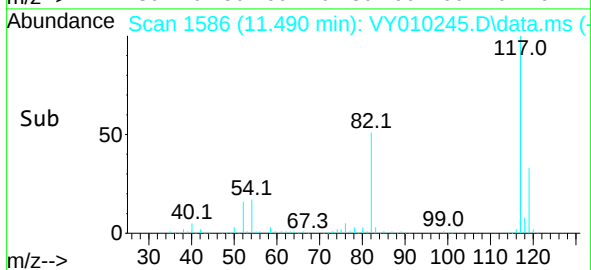
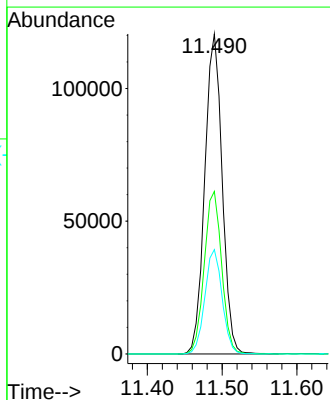
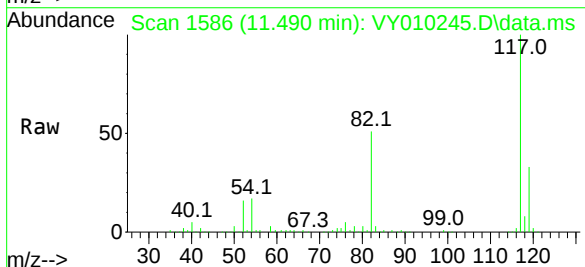
Instrument :
MSVOA_Y
ClientSampleId :
1-2-COMP-1

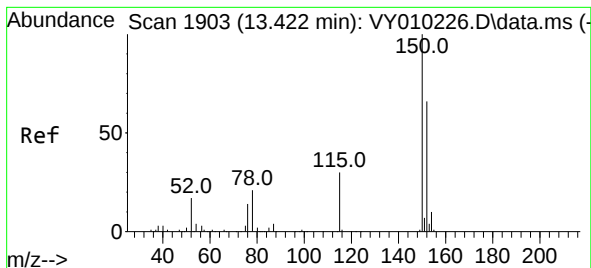
Tgt Ion: 95 Resp: 83991
Ion Ratio Lower Upper
95 100
174 91.2 0.0 177.0
176 88.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010245.D
Acq: 31 Aug 2022 15:07

Tgt Ion: 117 Resp: 195118
Ion Ratio Lower Upper
117 100
82 50.8 43.0 64.4
119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010245.D

Acq: 31 Aug 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

1-2-COMP-1

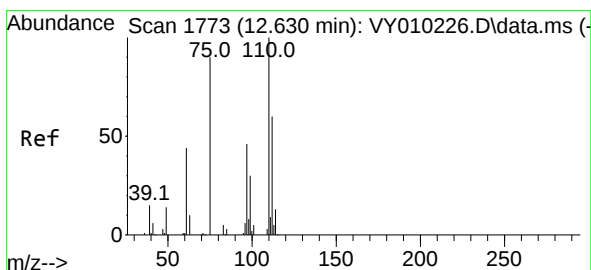
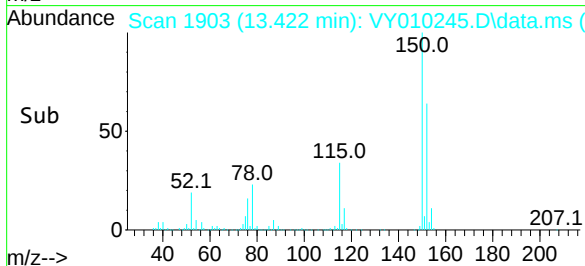
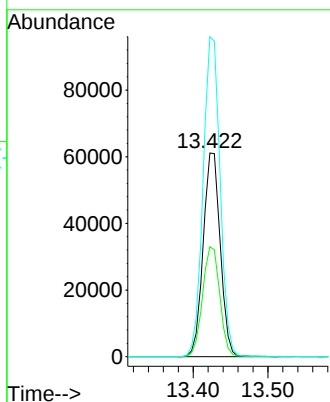
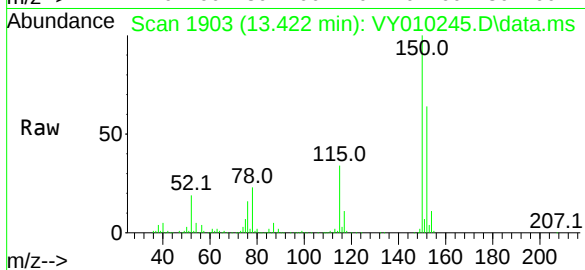
Tgt Ion:152 Resp: 96873

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 156.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 42.270 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010245.D

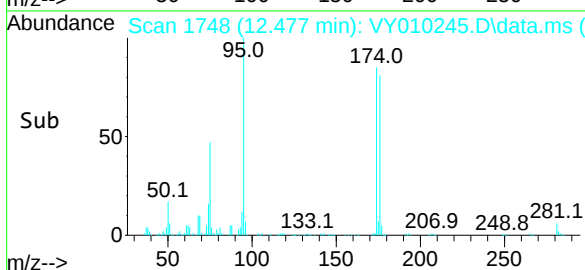
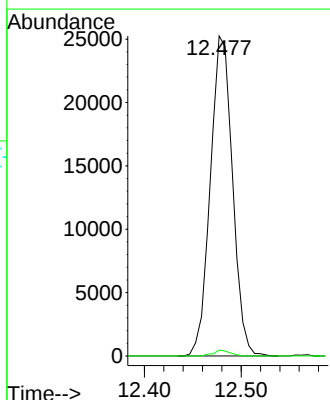
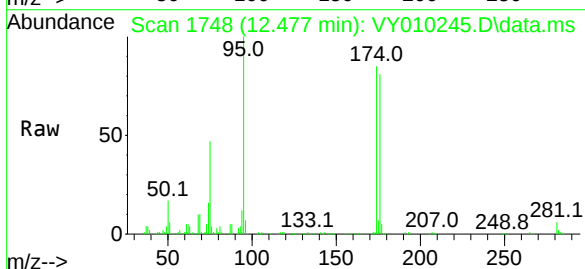
Acq: 31 Aug 2022 15:07

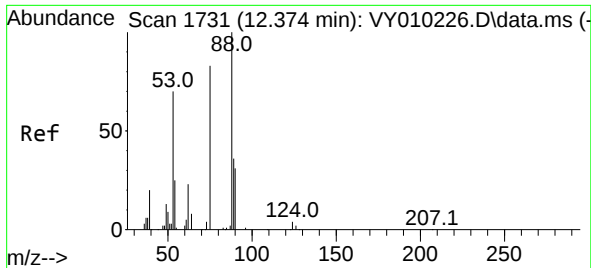
Tgt Ion: 75 Resp: 40264

Ion Ratio Lower Upper

75 100

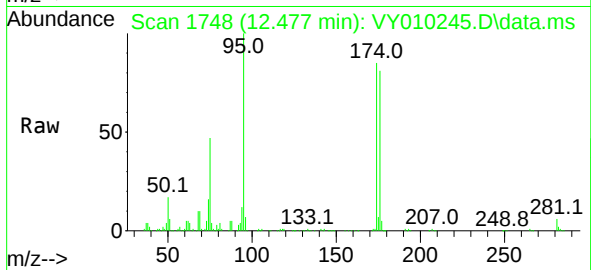
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.188 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY010245.D
 Acq: 31 Aug 2022 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 1-2-COMP-1



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	85.3	127.9#
89	0.2	37.0	55.4#

