

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091322\
 Data File : VY010467.D
 Acq On : 13 Sep 2022 18:29
 Operator : KP/MD
 Sample : N4486-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PC-1

Quant Time: Sep 14 05:26:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

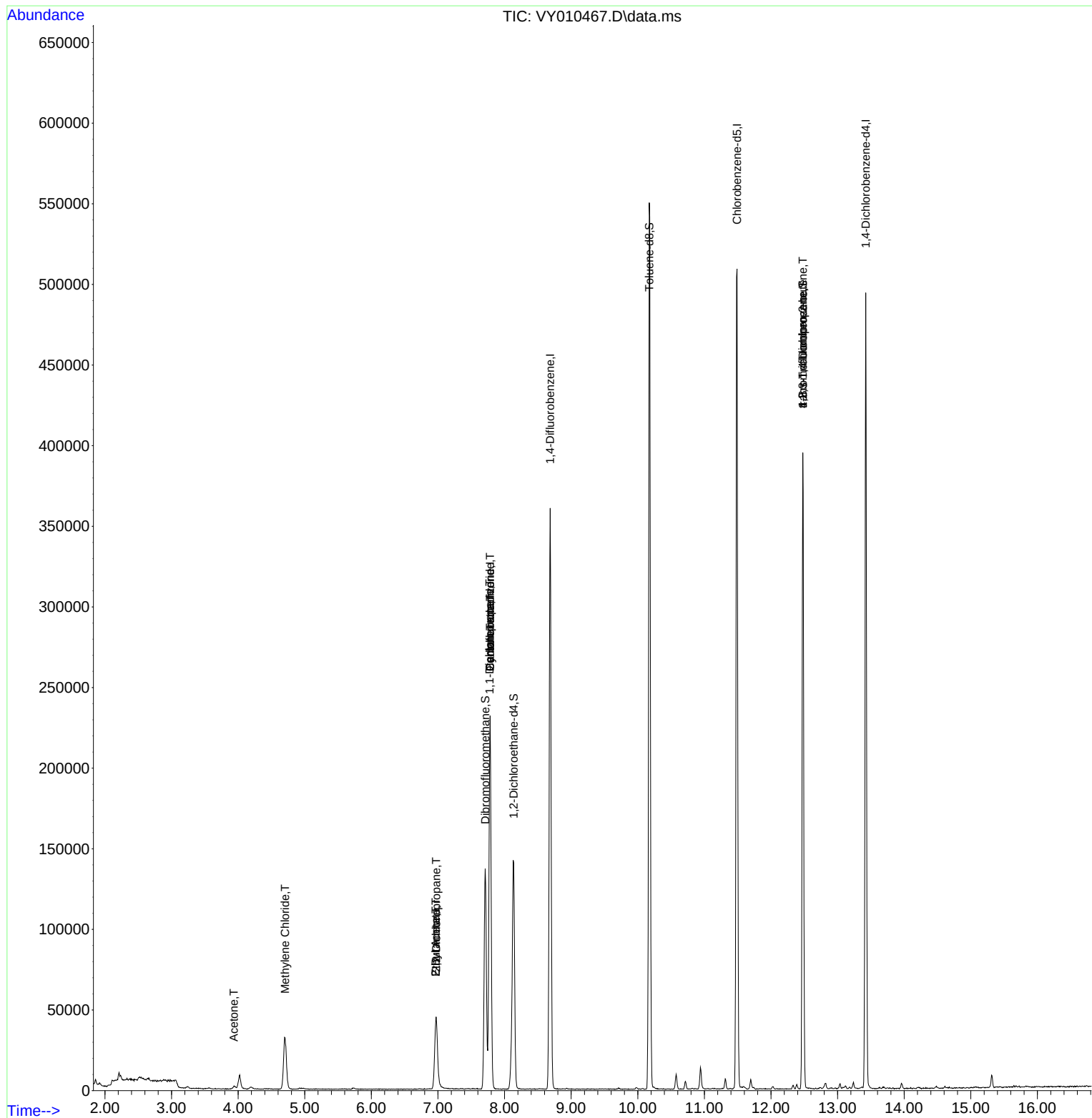
Internal Standards						
1) Pentafluorobenzene	7.783	168	181407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	313626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	288242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	104329	57.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.200%
35) Dibromofluoromethane	7.710	113	96379	43.270	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.540%
50) Toluene-d8	10.173	98	368962	51.111	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.220%
62) 4-Bromofluorobenzene	12.477	95	121926	41.573	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.140%
Target Compounds						
2) Dichlorodifluoromethane	1.894	85	510	Below Cal	Qvalue	86
11) Tert butyl alcohol	4.948	59	930	Below Cal	#	90
16) Acetone	3.936	43	3301	7.873	ug/l	93
20) Methylene Chloride	4.704	84	24992	6.306	ug/l #	81
25) 2-Butanone	6.966	43	3104	4.658	ug/l #	90
26) 2,2-Dichloropropane	6.972	77	3543	1.090	ug/l #	55
31) Cyclohexane	7.783	56	3720	1.205	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	13964	4.579	ug/l #	50
37) Ethyl Acetate	6.966	43	3104	1.936	ug/l #	1
38) Carbon Tetrachloride	7.783	117	17798	5.246	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	63764	46.981	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63764	104.314	ug/l #	7

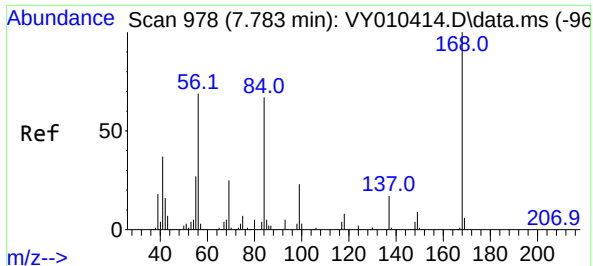
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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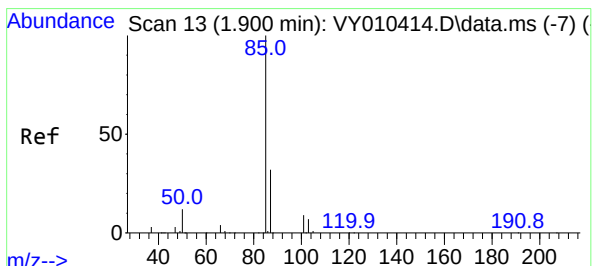
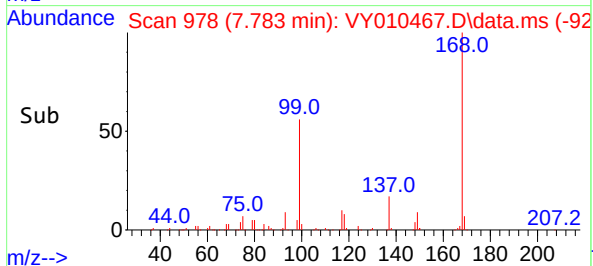
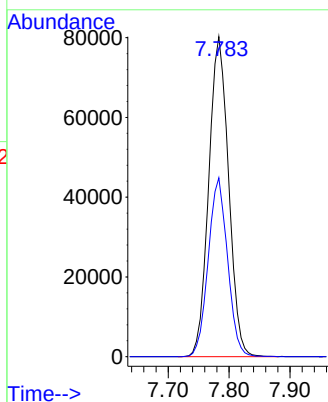
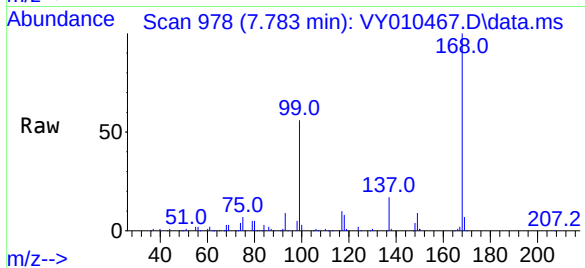




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

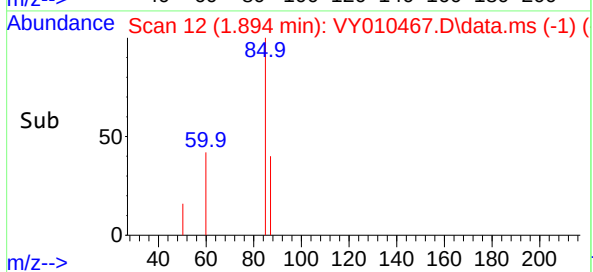
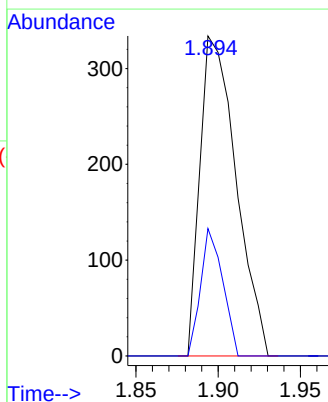
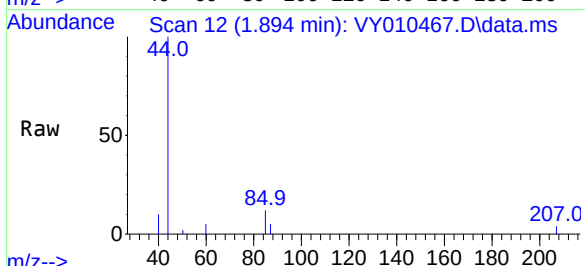
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

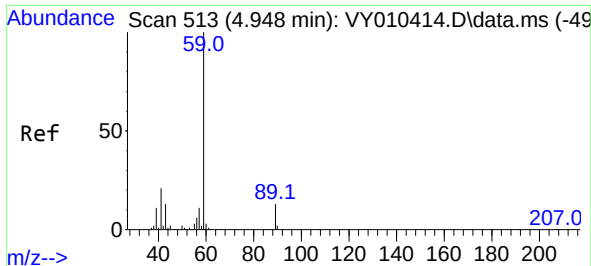
Tgt Ion:168 Resp: 181407
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

Tgt Ion: 85 Resp: 510
Ion Ratio Lower Upper
85 100
87 39.8 16.1 48.2

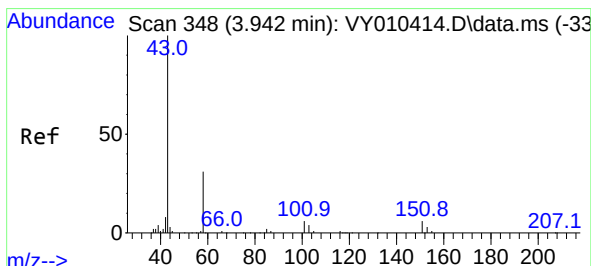
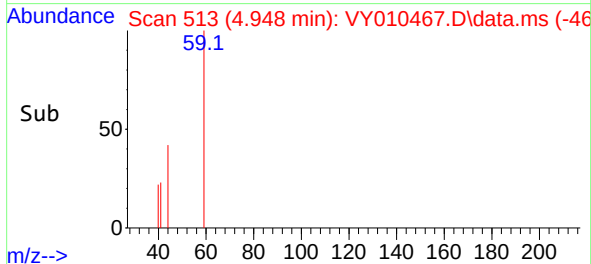
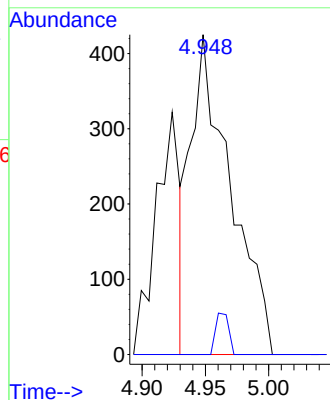
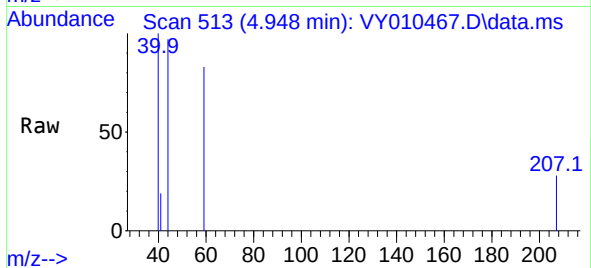




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

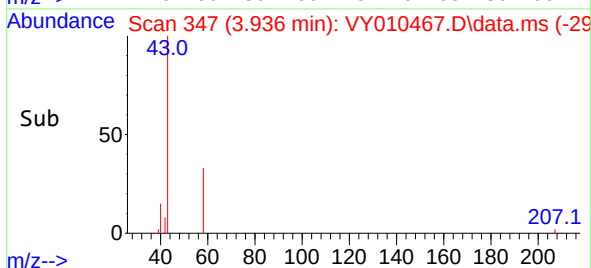
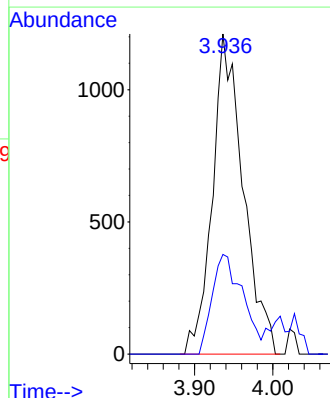
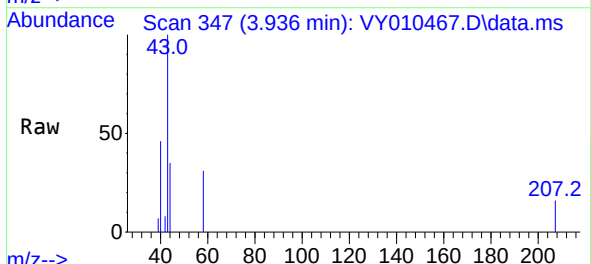
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

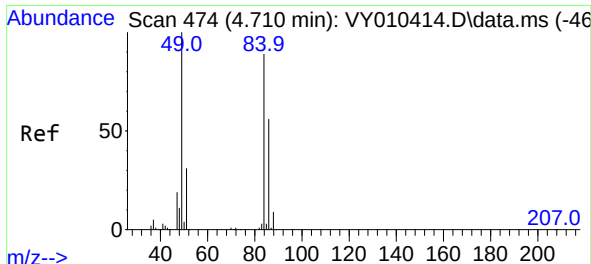
Tgt Ion: 59 Resp: 930
Ion Ratio Lower Upper
59 100
57 4.3 6.4 9.6#



#16
Acetone
Concen: 7.873 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

Tgt Ion: 43 Resp: 3301
Ion Ratio Lower Upper
43 100
58 31.1 22.0 33.0

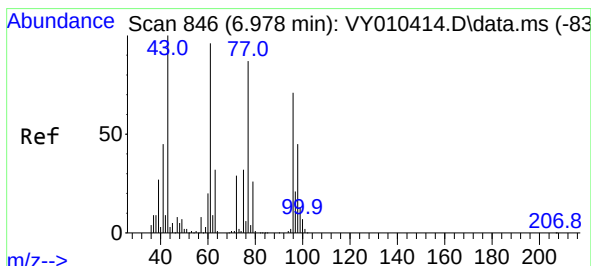
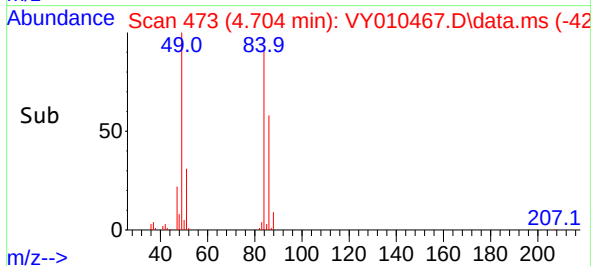
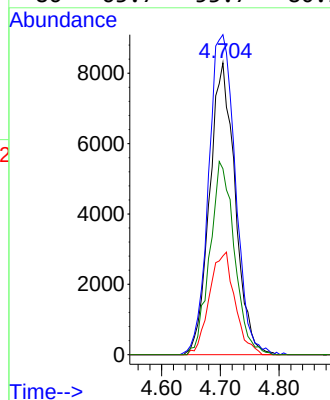
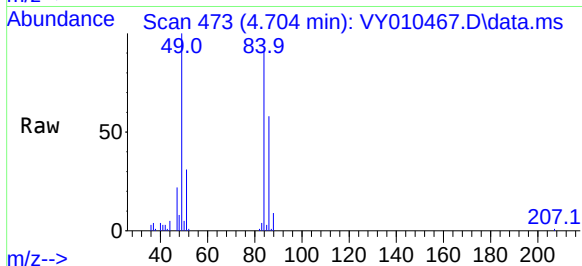




#20
Methylene Chloride
Concen: 6.306 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

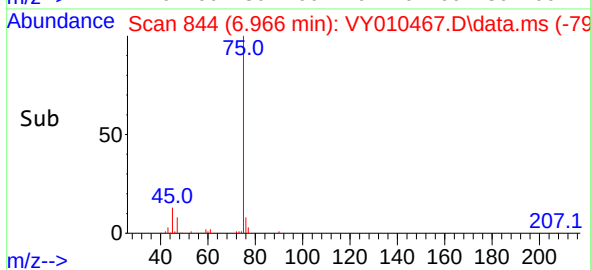
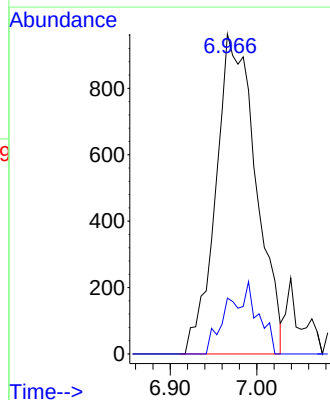
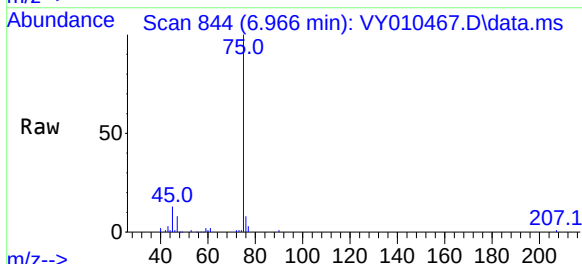
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

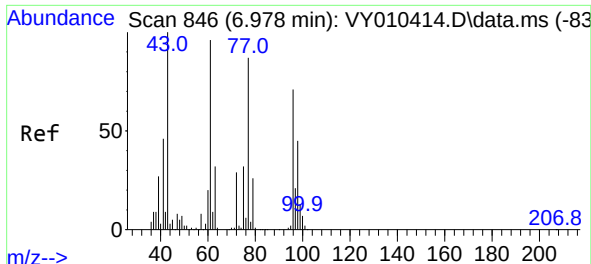
Tgt Ion:	84	Resp:	24992
Ion	Ratio	Lower	Upper
84	100		
49	109.6	114.4	171.6#
51	33.8	35.3	52.9#
86	63.7	53.7	80.5



#25
2-Butanone
Concen: 4.658 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

Tgt Ion:	43	Resp:	3104
Ion	Ratio	Lower	Upper
43	100		
72	17.4	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 1.090 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010467.D

Acq: 13 Sep 2022 18:29

Instrument :

MSVOA_Y

ClientSampleId :

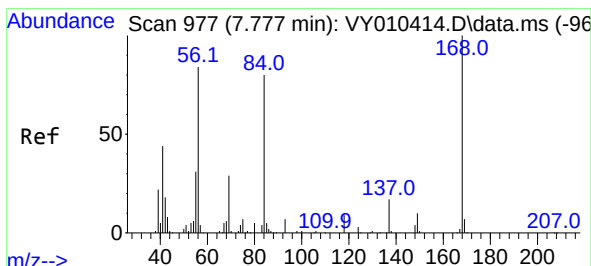
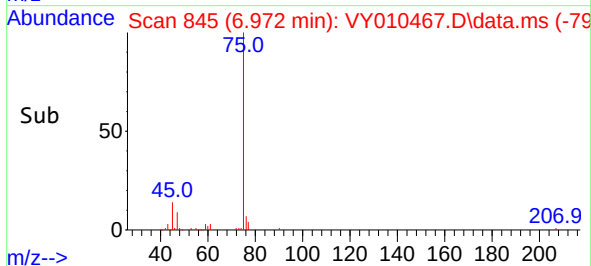
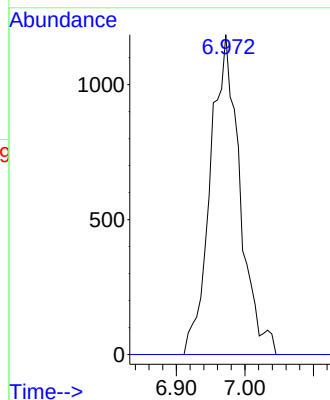
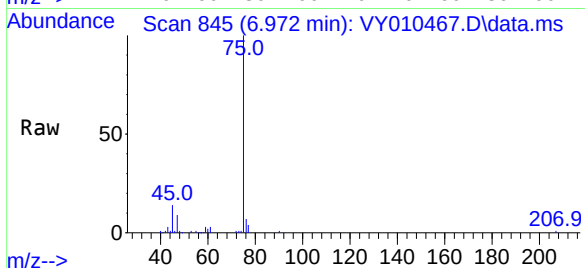
PC-1

Tgt Ion: 77 Resp: 3543

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010467.D

Acq: 13 Sep 2022 18:29

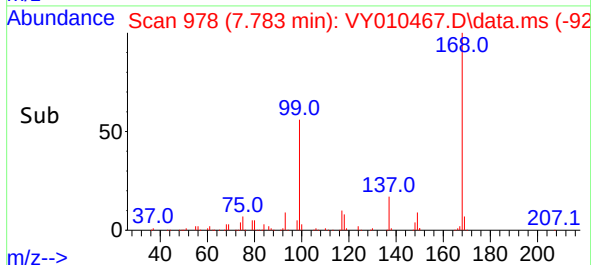
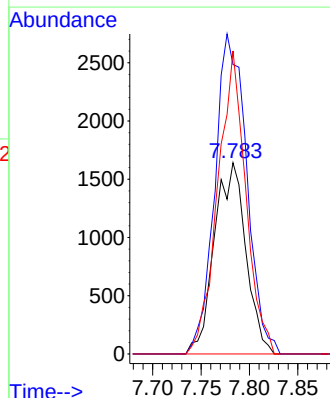
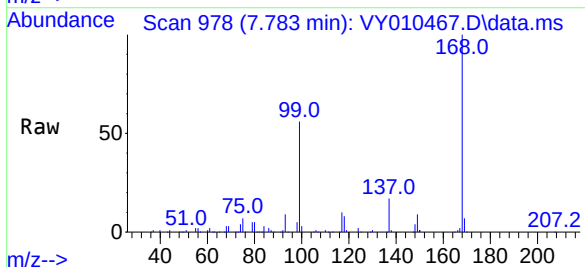
Tgt Ion: 56 Resp: 3720

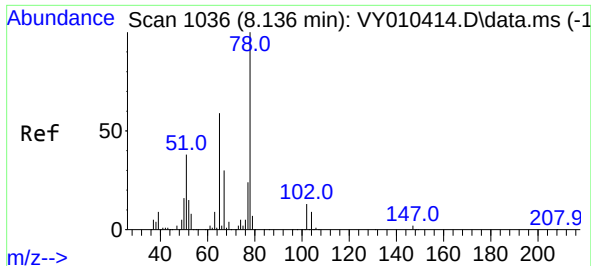
Ion Ratio Lower Upper

56 100

69 151.3 26.7 40.1#

84 158.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.102 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY010467.D

Acq: 13 Sep 2022 18:29

Instrument :

MSVOA_Y

ClientSampleId :

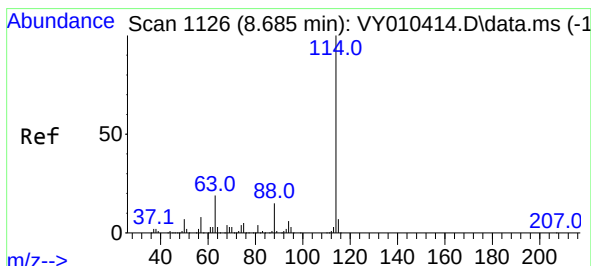
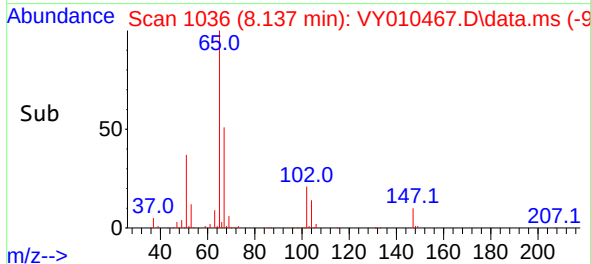
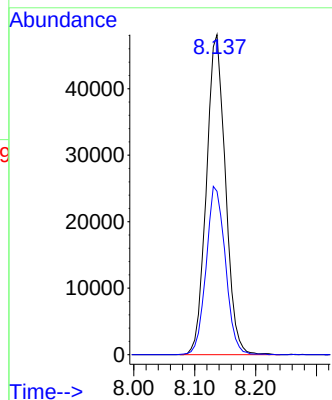
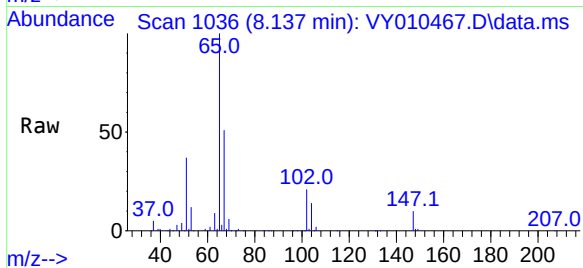
PC-1

Tgt Ion: 65 Resp: 104329

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010467.D

Acq: 13 Sep 2022 18:29

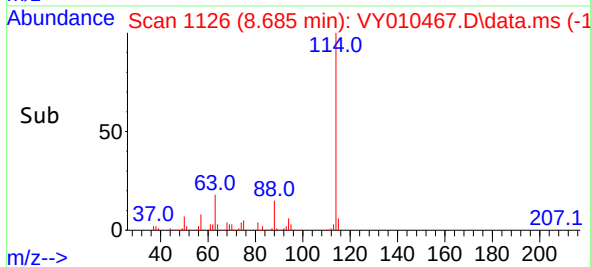
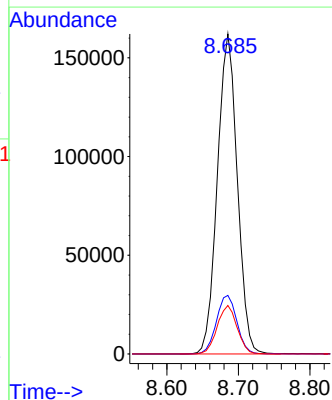
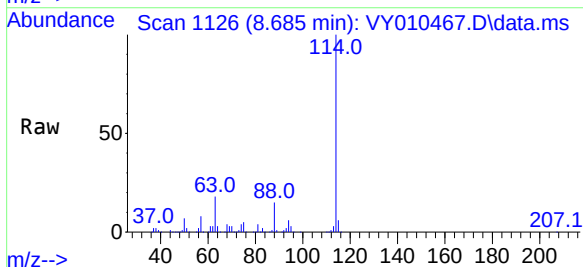
Tgt Ion: 114 Resp: 313626

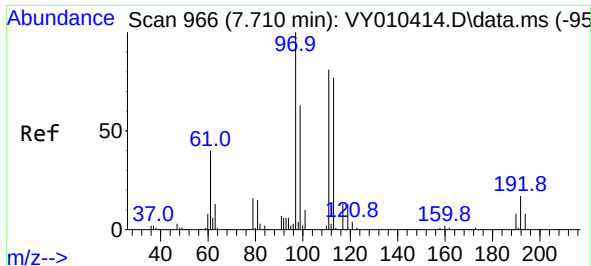
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 15.1 0.0 31.8

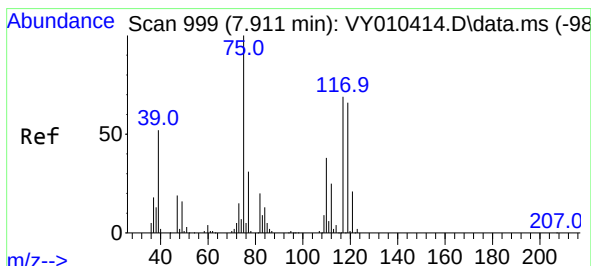
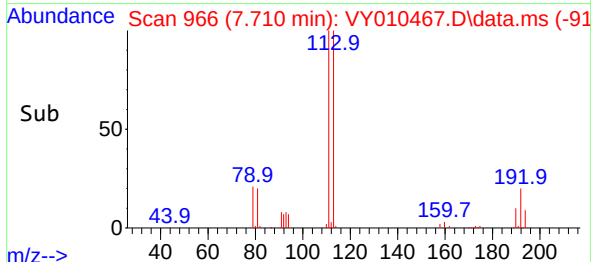
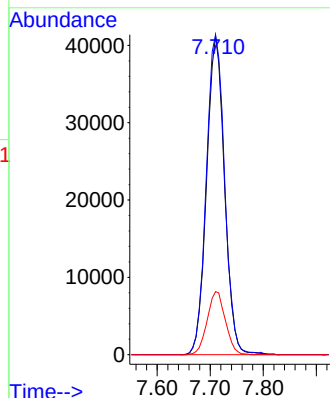
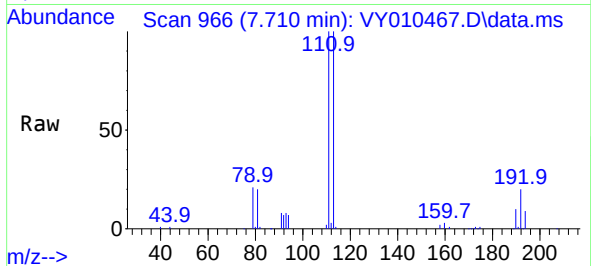




#35
Dibromofluoromethane
Concen: 43.270 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

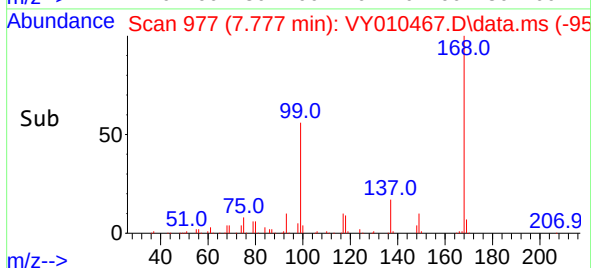
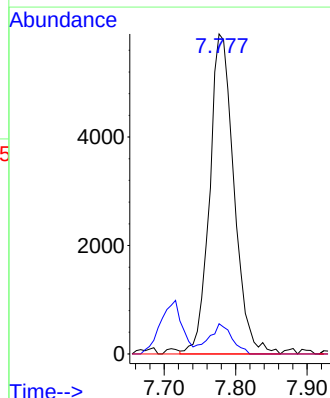
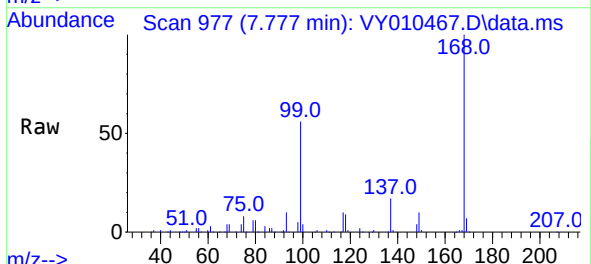
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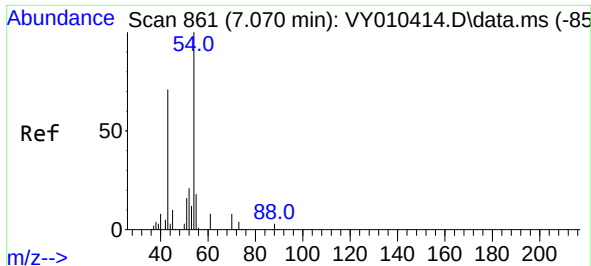
Tgt Ion:	113	Resp:	96379
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	124.0
192	20.1	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.579 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

Tgt Ion:	75	Resp:	13964
Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 1.936 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY010467.D

Acq: 13 Sep 2022 18:29

Instrument :

MSVOA_Y

ClientSampleId :

PC-1

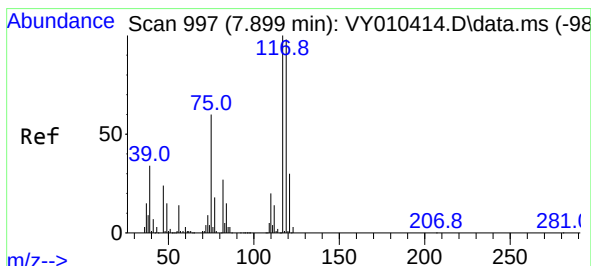
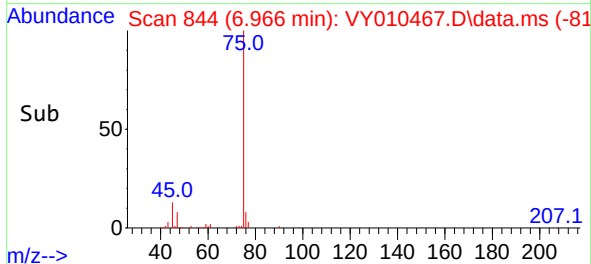
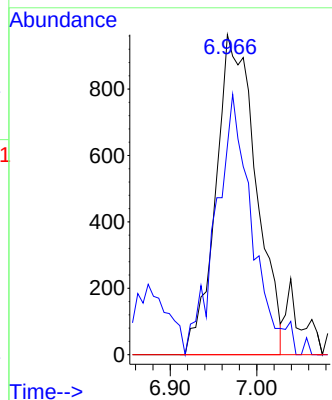
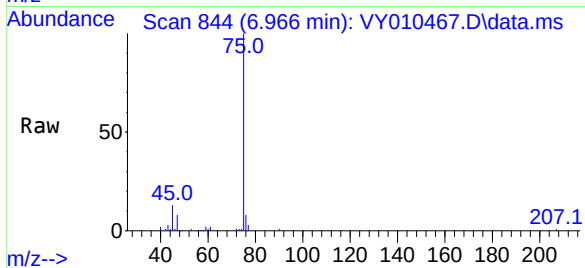
Tgt Ion: 43 Resp: 3104

Ion Ratio Lower Upper

43 100

61 73.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.246 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010467.D

Acq: 13 Sep 2022 18:29

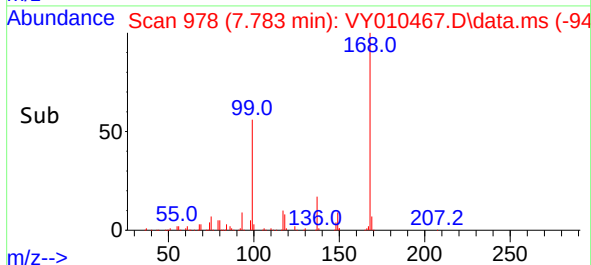
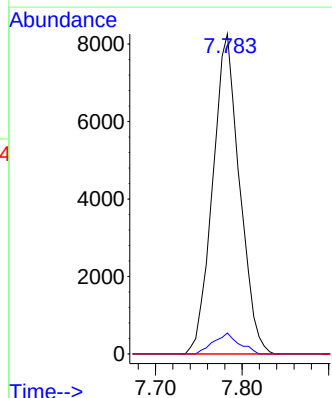
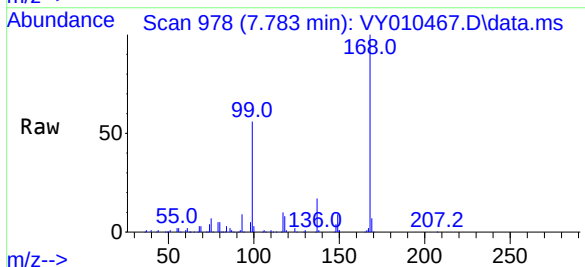
Tgt Ion:117 Resp: 17798

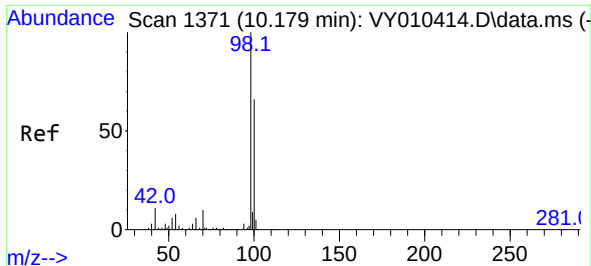
Ion Ratio Lower Upper

117 100

119 6.6 77.9 116.9#

121 0.0 24.8 37.2#

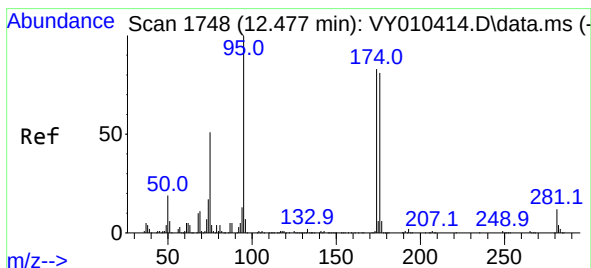
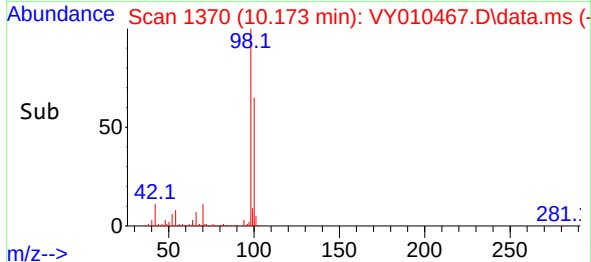
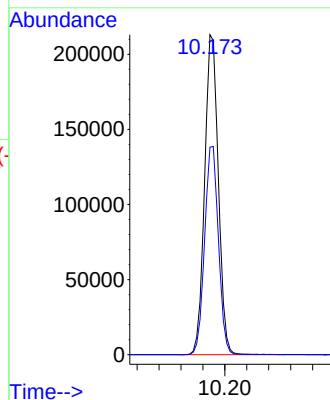
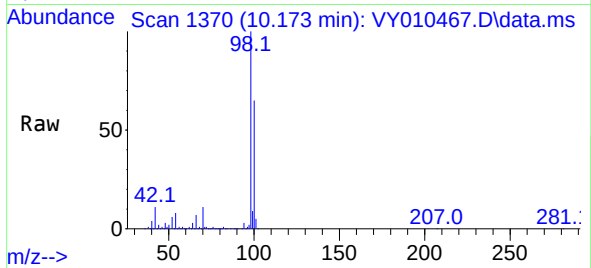




#50
Toluene-d8
Concen: 51.111 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

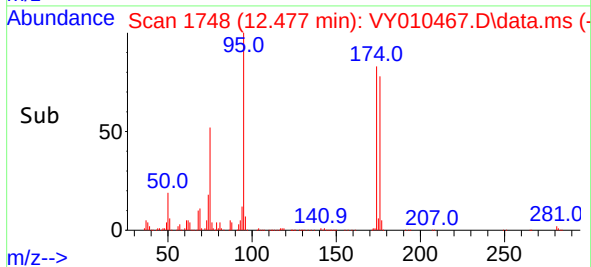
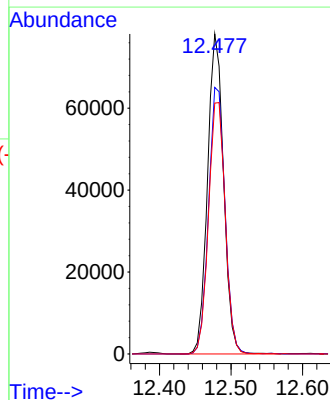
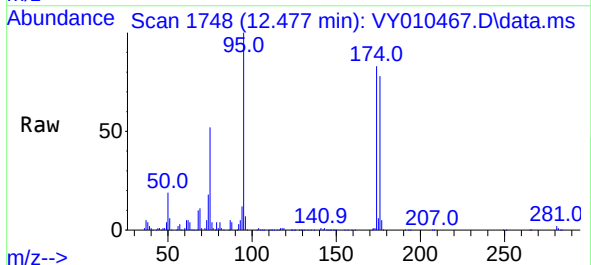
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

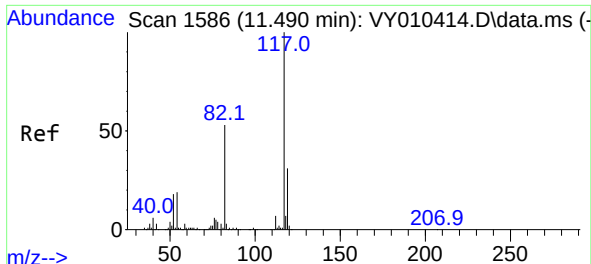
Tgt Ion: 98 Resp: 368962
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.573 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

Tgt Ion: 95 Resp: 121926
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 81.8 0.0 175.8

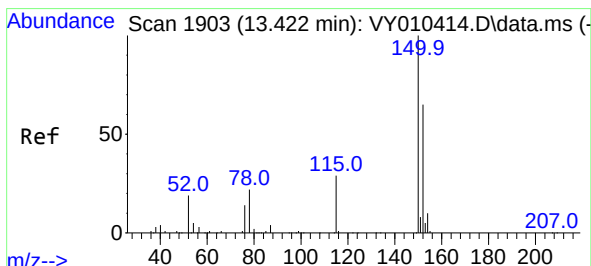
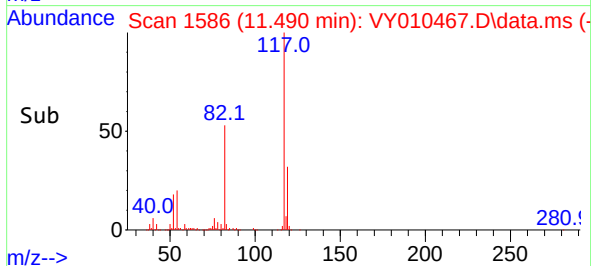
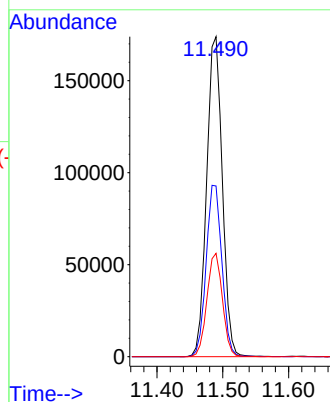
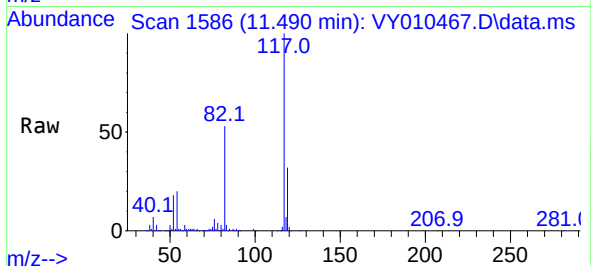




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

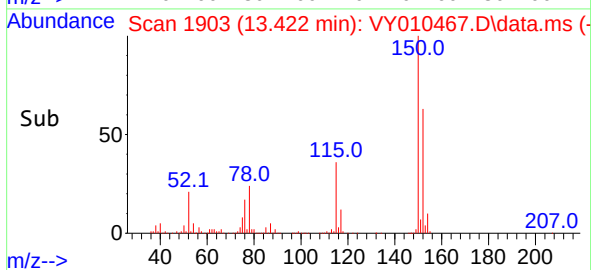
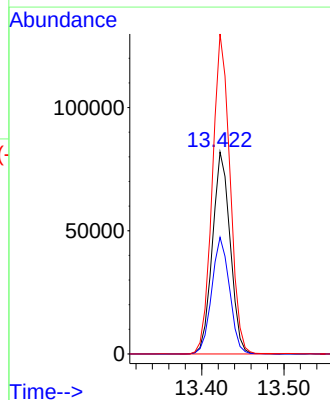
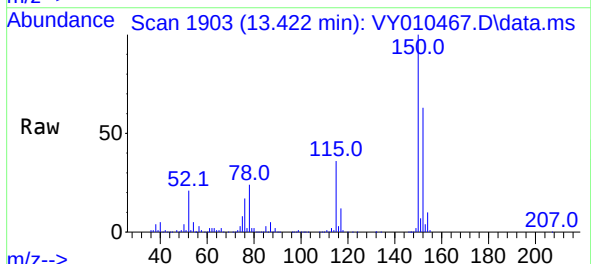
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

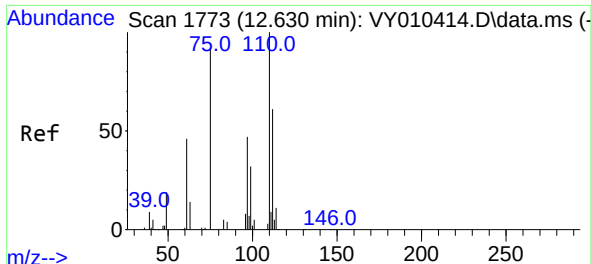
Tgt Ion:117 Resp: 288242
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

Tgt Ion:152 Resp: 122975
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 157.7 0.0 347.6

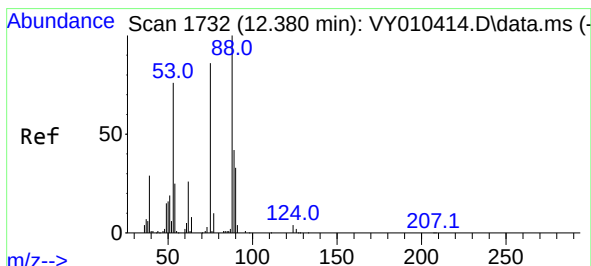
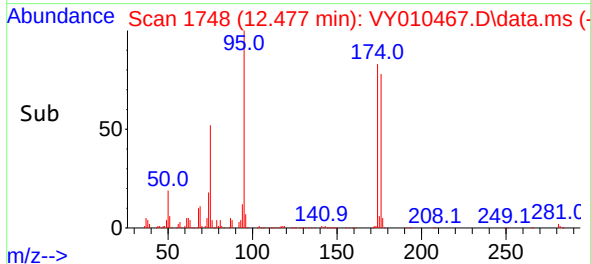
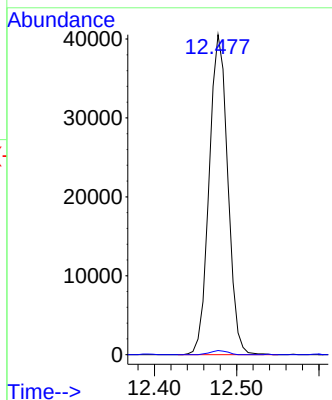
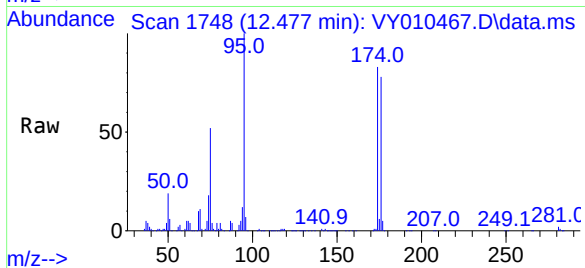




#76
1,2,3-Trichloropropane
Concen: 46.981 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

Instrument :
MSVOA_Y
ClientSampleId :
PC-1

Tgt Ion: 75 Resp: 63764
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.314 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010467.D
Acq: 13 Sep 2022 18:29

Tgt Ion: 75 Resp: 63764
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

