

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
 Data File : VY010477.D
 Acq On : 14 Sep 2022 12:06
 Operator : KP/MD
 Sample : VY0914SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0914SBL01

Quant Time: Sep 14 15:06:15 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)

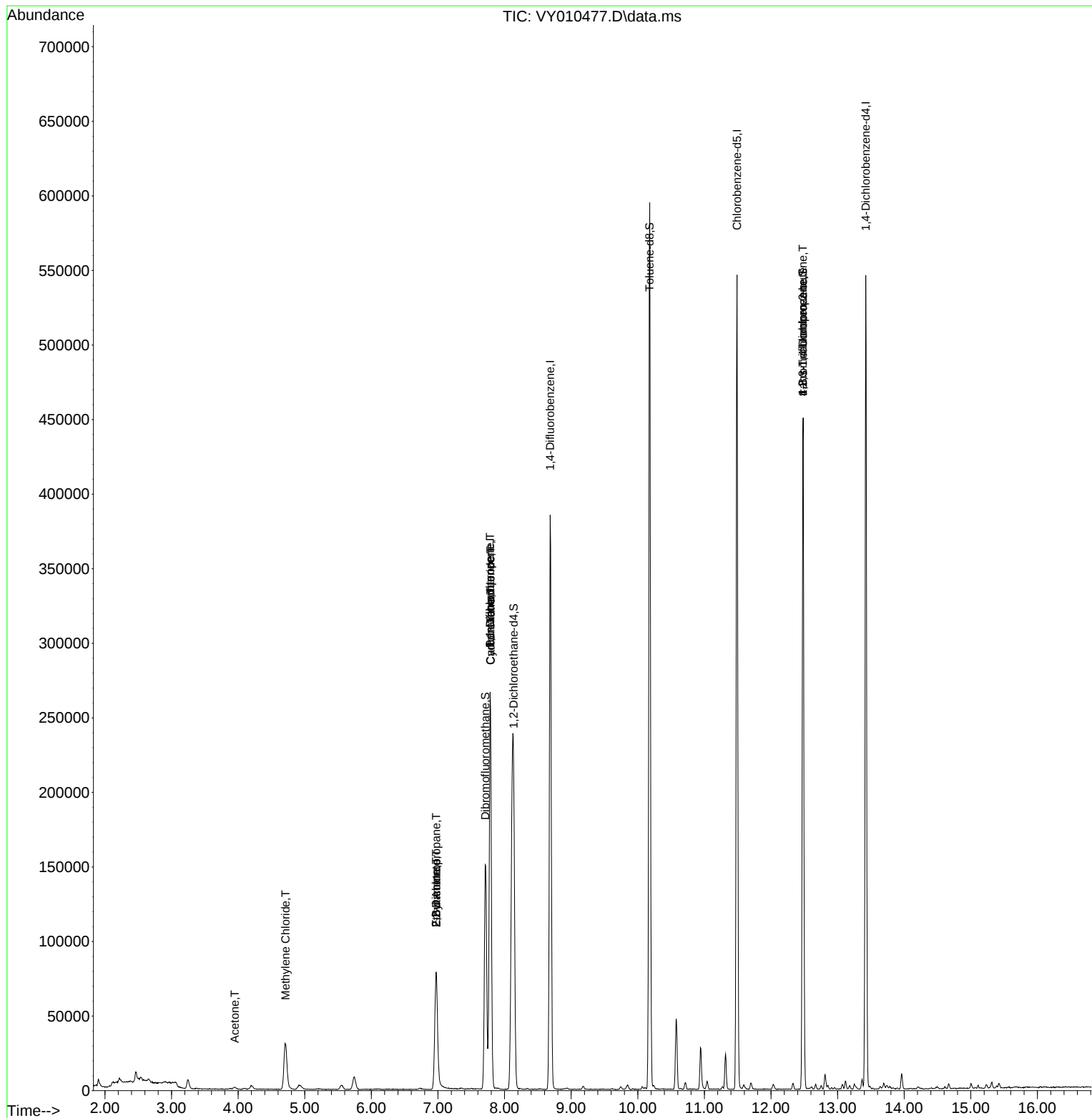
Internal Standards						
1) Pentafluorobenzene	7.783	168	206505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	332362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	292431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	141129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	111909	53.806	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.620%	
35) Dibromofluoromethane	7.710	113	108670	46.038	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.080%	
50) Toluene-d8	10.179	98	392139	51.259	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.520%	
62) 4-Bromofluorobenzene	12.477	95	132624	42.857	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.720%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	3851	Below Cal	100	
11) Tert butyl alcohol	4.936	59	3644	Below Cal	#	80
16) Acetone	3.948	43	2713	5.684	ug/l	94
20) Methylene Chloride	4.710	84	24628	4.389	ug/l	84
25) 2-Butanone	6.972	43	4918	6.484	ug/l #	80
26) 2,2-Dichloropropane	6.972	77	6276	1.697	ug/l #	55
31) Cyclohexane	7.789	56	4447	1.266	ug/l #	3
36) 1,1-Dichloropropene	7.783	75	15027	4.650	ug/l #	51
37) Ethyl Acetate	6.972	43	4918	2.895	ug/l #	1
38) Carbon Tetrachloride	7.789	117	20485	5.698	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.783	63	91	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.477	75	68908	44.240	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68908	98.229	ug/l #	7

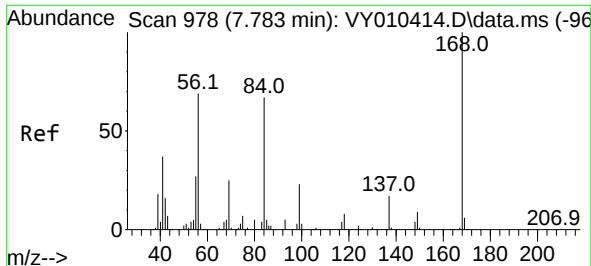
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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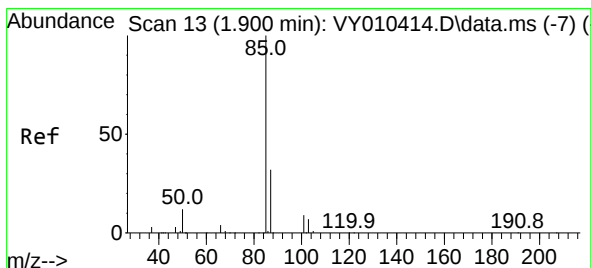
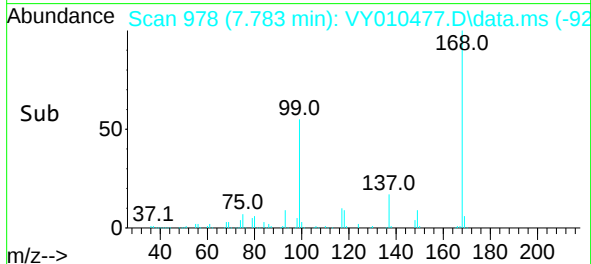
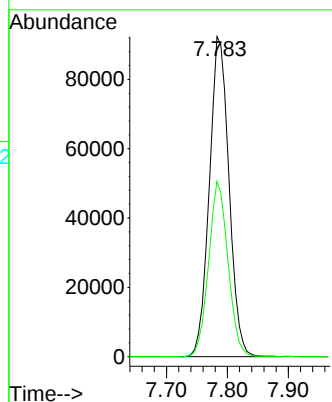
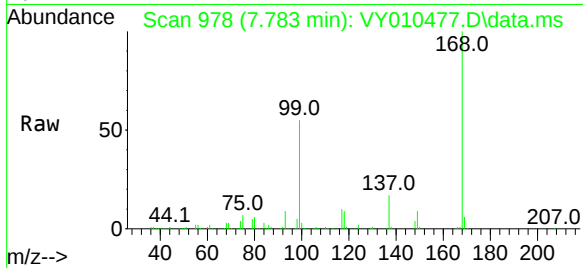




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

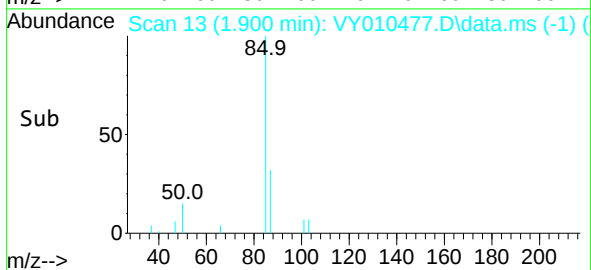
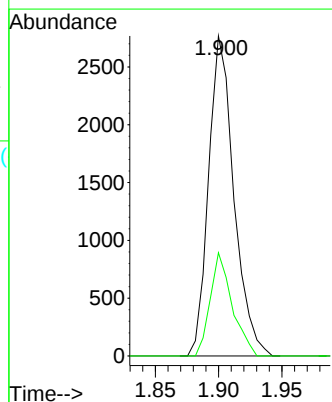
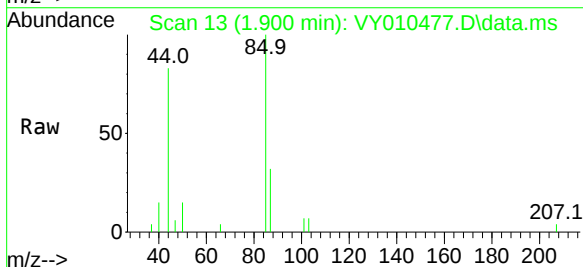
Instrument :
MSVOA_Y
ClientSampleId :
VY0914SBL01

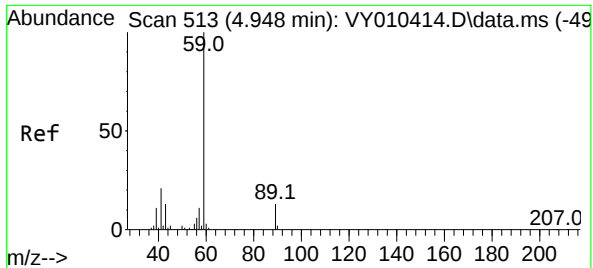
Tgt Ion:168 Resp: 206505
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

Tgt Ion: 85 Resp: 3851
Ion Ratio Lower Upper
85 100
87 32.3 16.1 48.2

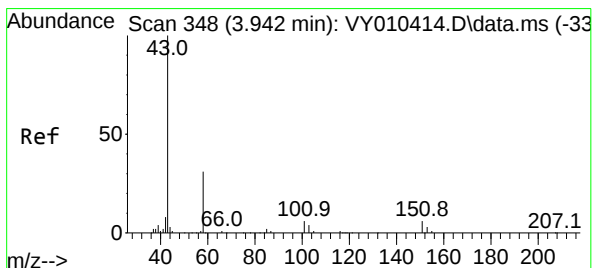
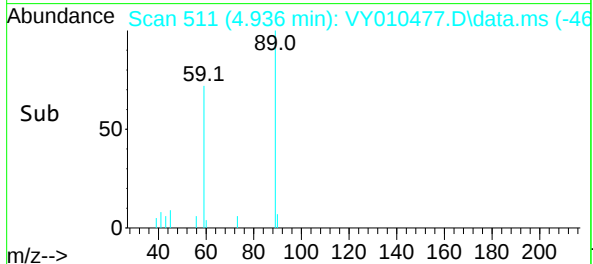
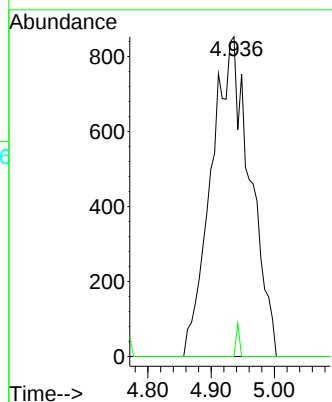
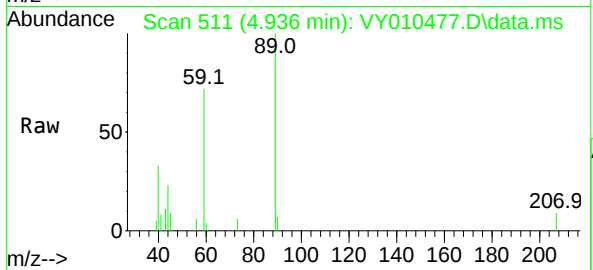




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

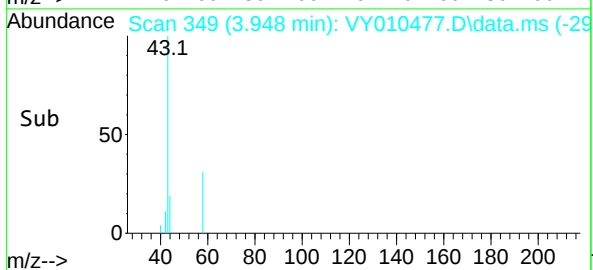
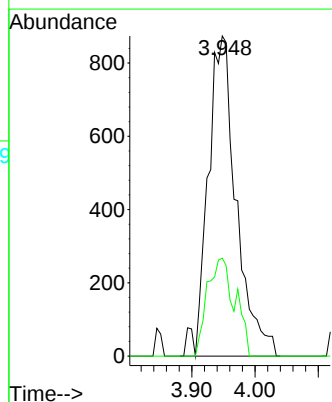
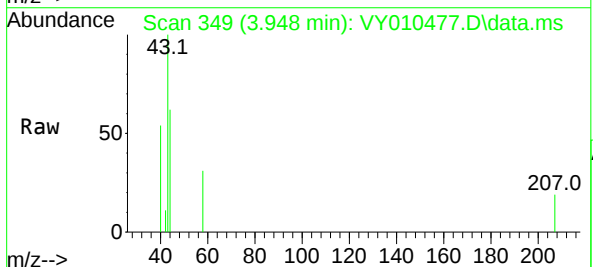
Instrument :
MSVOA_Y
ClientSampleId :
VY0914SBL01

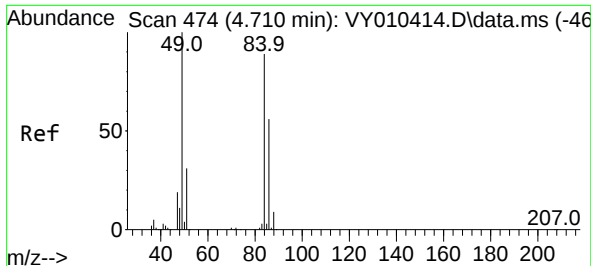
Tgt Ion: 59 Resp: 3644
Ion Ratio Lower Upper
59 100
57 0.9 6.4 9.6#



#16
Acetone
Concen: 5.684 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

Tgt Ion: 43 Resp: 2713
Ion Ratio Lower Upper
43 100
58 30.5 22.0 33.0





#20

Methylene Chloride

Concen: 4.389 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY010477.D

Acq: 14 Sep 2022 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0914SBL01

Tgt Ion: 84 Resp: 24628

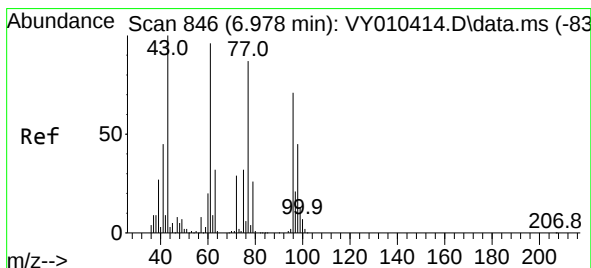
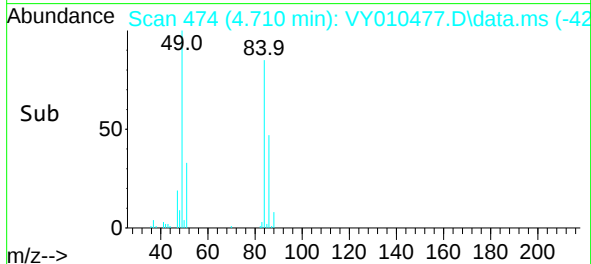
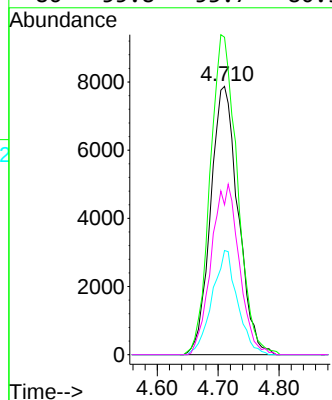
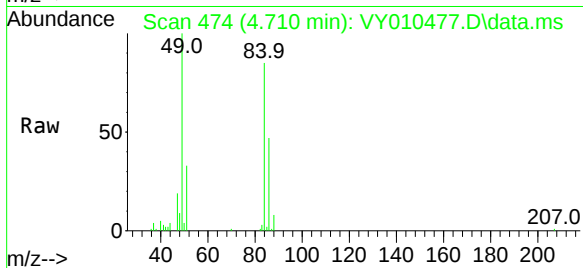
Ion Ratio Lower Upper

84 100

49 118.3 114.4 171.6

51 38.8 35.3 52.9

86 55.8 53.7 80.5



#25

2-Butanone

Concen: 6.484 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010477.D

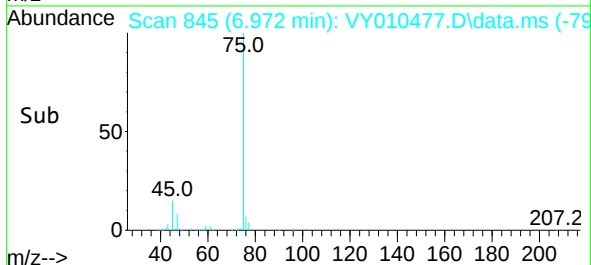
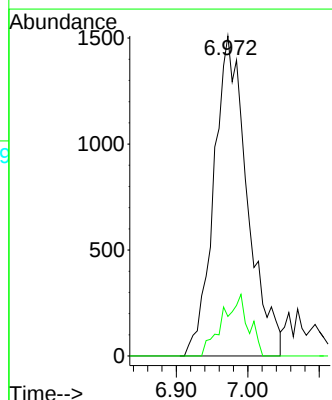
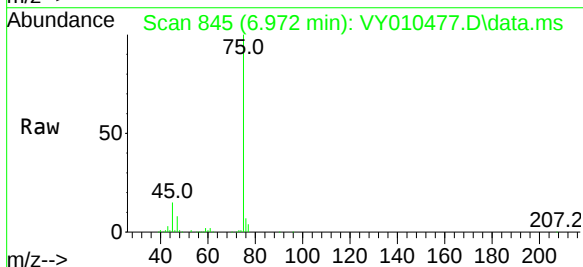
Acq: 14 Sep 2022 12:06

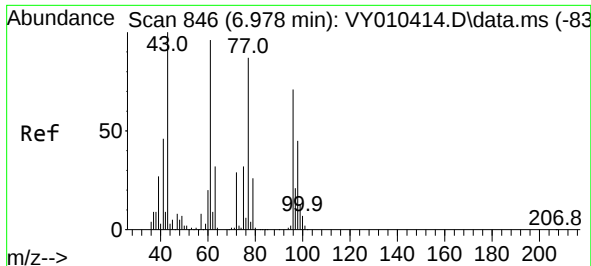
Tgt Ion: 43 Resp: 4918

Ion Ratio Lower Upper

43 100

72 12.4 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.697 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010477.D

Acq: 14 Sep 2022 12:06

Instrument :

MSVOA_Y

ClientSampleId :

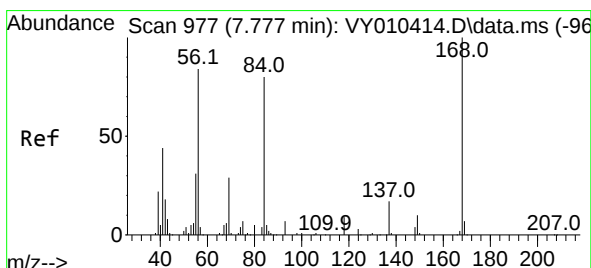
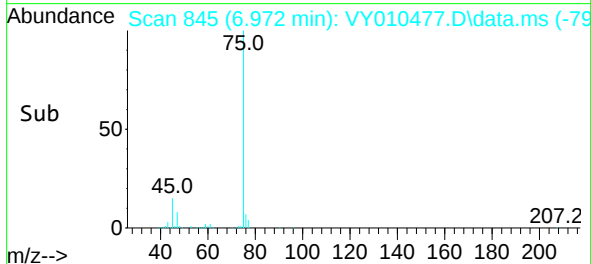
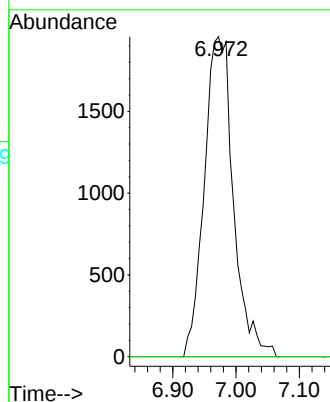
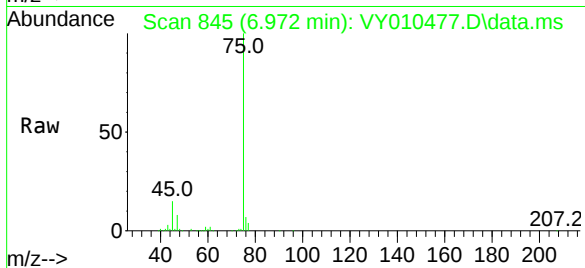
VY0914SBL01

Tgt Ion: 77 Resp: 6276

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY010477.D

Acq: 14 Sep 2022 12:06

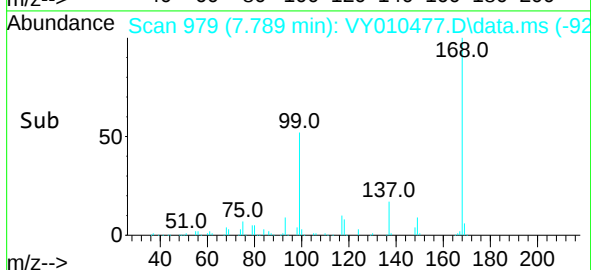
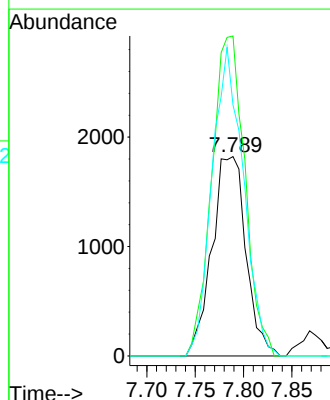
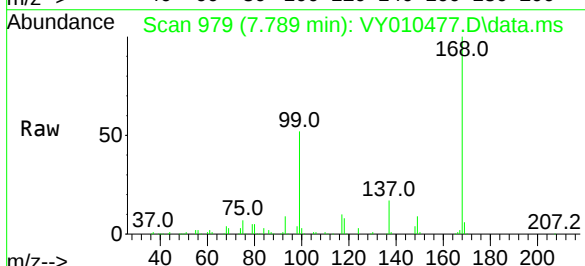
Tgt Ion: 56 Resp: 4447

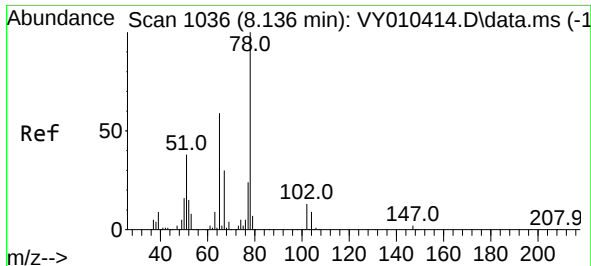
Ion Ratio Lower Upper

56 100

69 160.5 26.7 40.1#

84 126.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.806 ug/l

RT: 8.137 min Scan# 111909

Delta R.T. 0.001 min

Lab File: VY010477.D

Acq: 14 Sep 2022 12:06

Instrument :

MSVOA_Y

ClientSampleId :

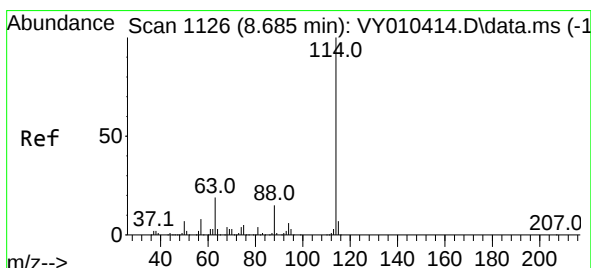
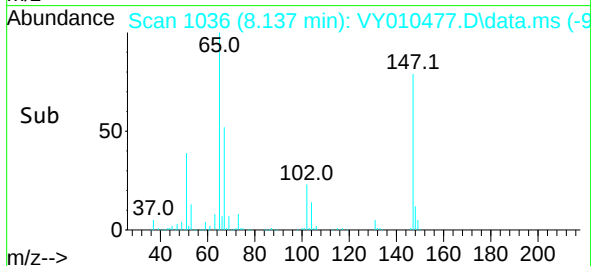
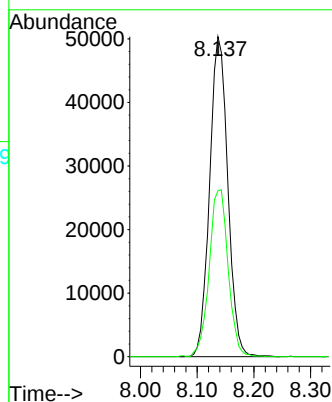
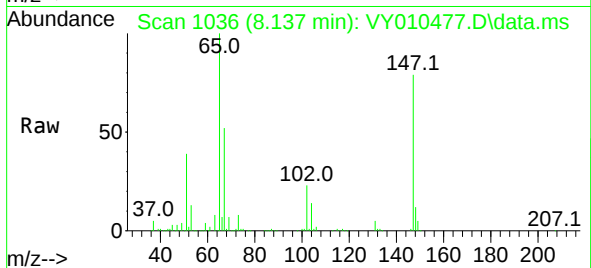
VY0914SBL01

Tgt Ion: 65 Resp: 111909

Ion Ratio Lower Upper

65 100

67 54.5 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: VY010477.D

Acq: 14 Sep 2022 12:06

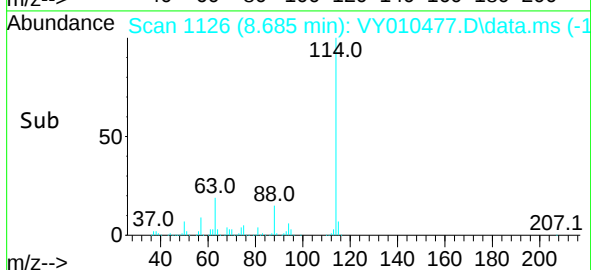
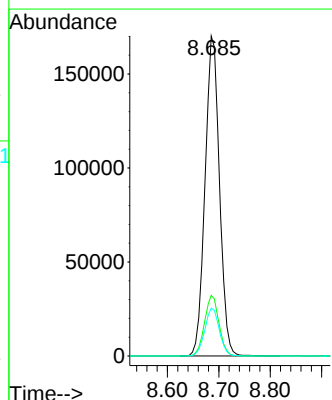
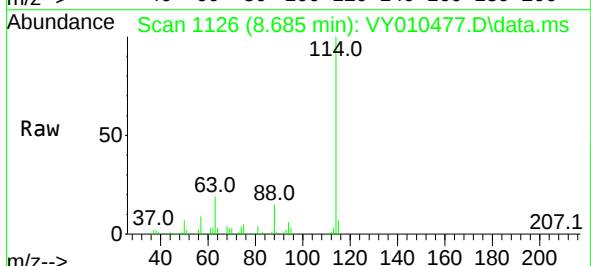
Tgt Ion: 114 Resp: 332362

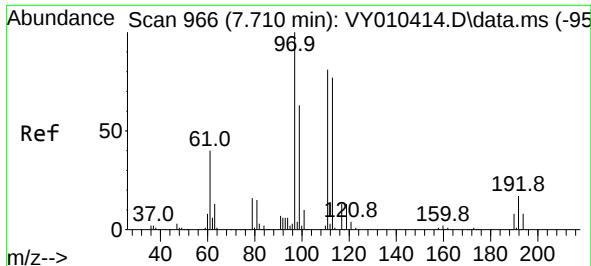
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.0 0.0 31.8

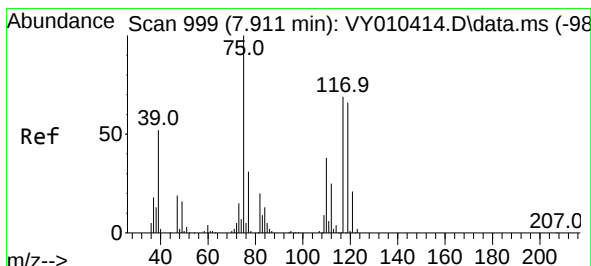
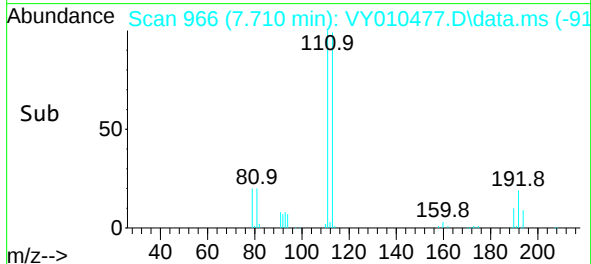
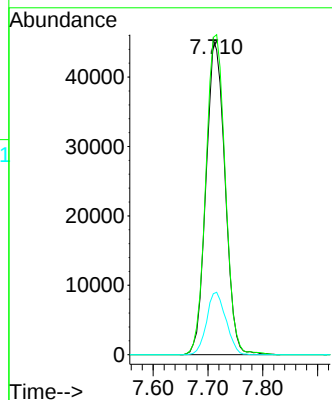
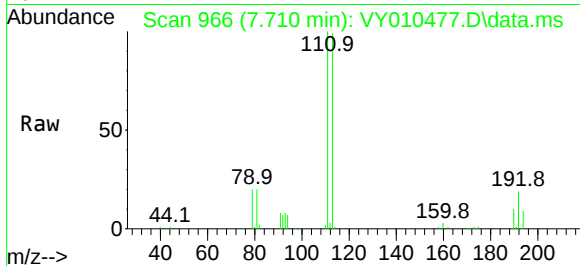




#35
Dibromofluoromethane
Concen: 46.038 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

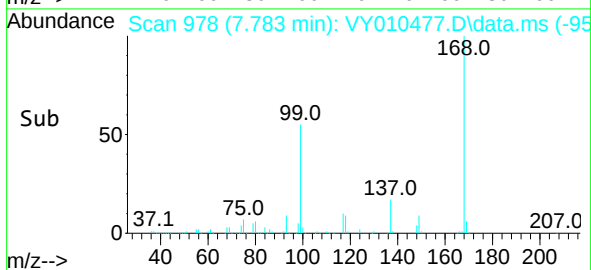
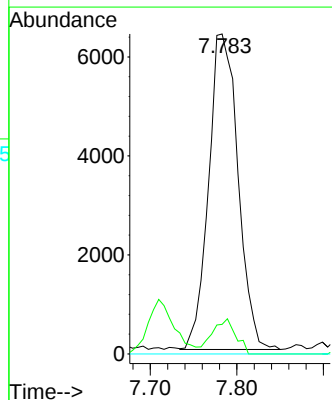
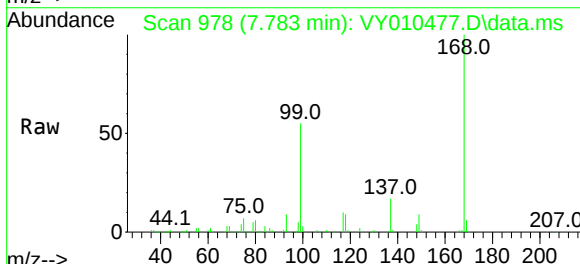
Instrument :
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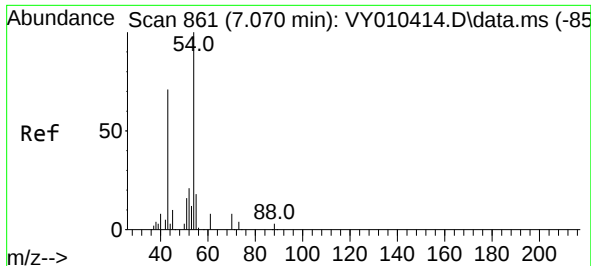
Tgt Ion:113 Resp: 108670
Ion Ratio Lower Upper
113 100
111 104.3 82.6 124.0
192 20.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.650 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

Tgt Ion: 75 Resp: 15027
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.895 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY010477.D

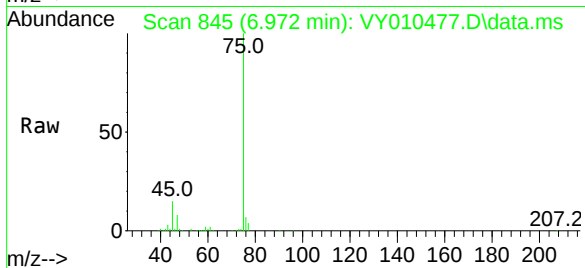
Acq: 14 Sep 2022 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0914SBL01



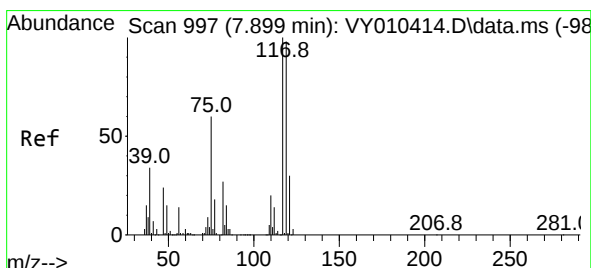
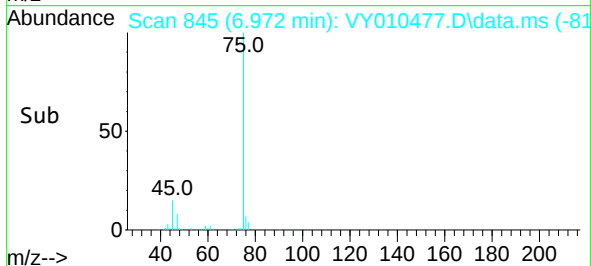
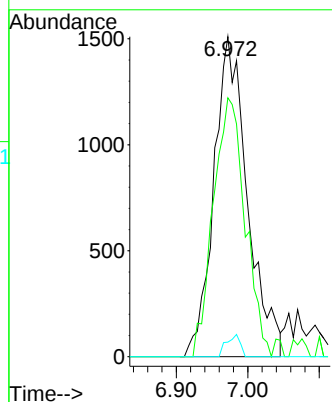
Tgt Ion: 43 Resp: 4918

Ion Ratio Lower Upper

43 100

61 76.9 9.7 14.5#

70 2.8 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.698 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010477.D

Acq: 14 Sep 2022 12:06

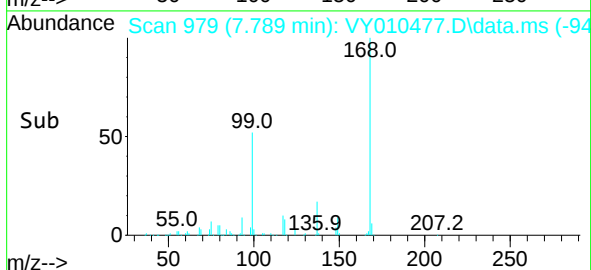
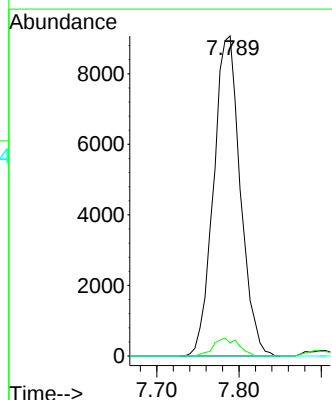
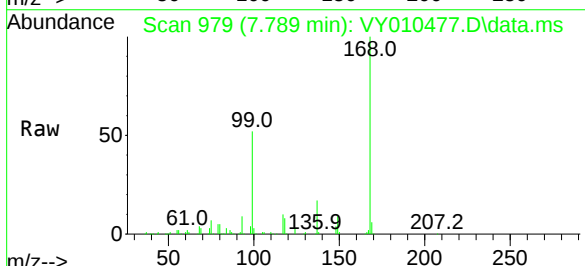
Tgt Ion: 117 Resp: 20485

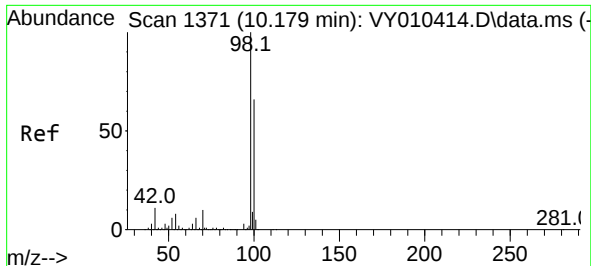
Ion Ratio Lower Upper

117 100

119 4.0 77.9 116.9#

121 0.0 24.8 37.2#

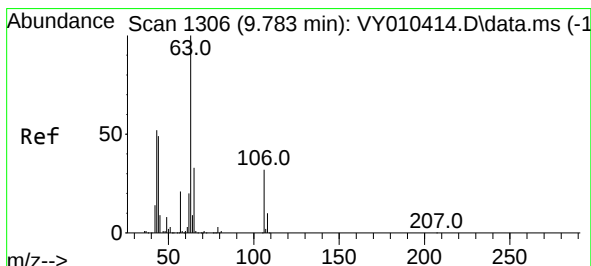
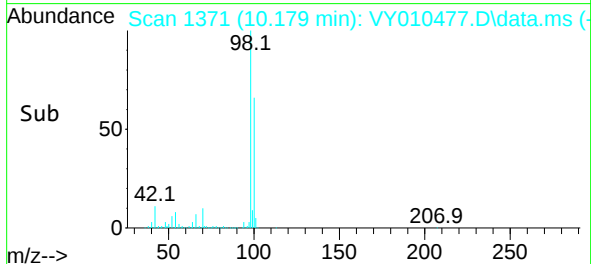
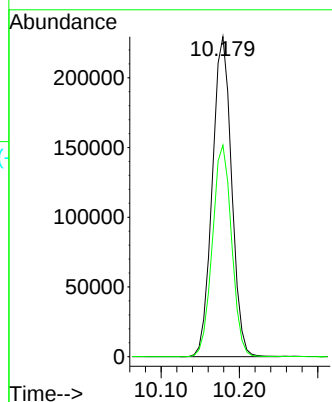
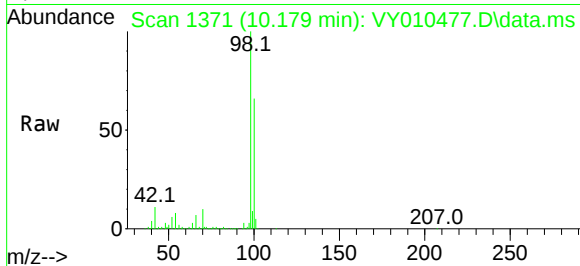




#50
Toluene-d8
Concen: 51.259 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

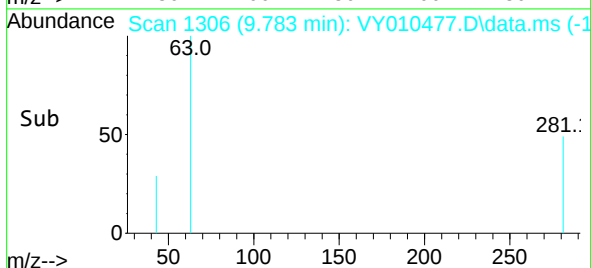
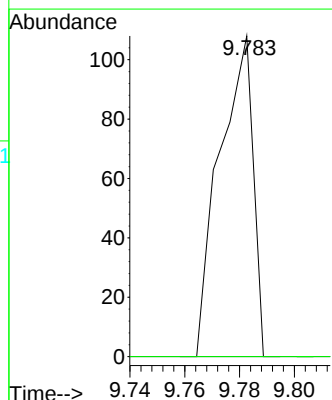
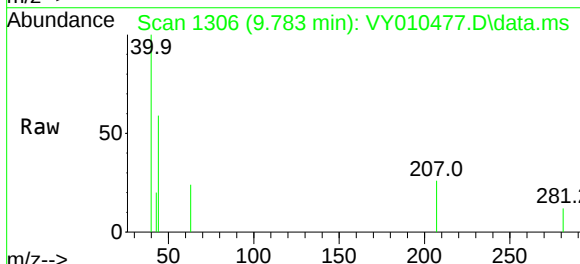
Instrument :
MSVOA_Y
ClientSampleId :
VY0914SBL01

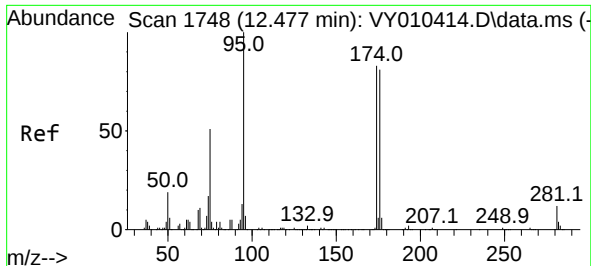
Tgt Ion: 98 Resp: 392139
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.783 min Scan# 1306
Delta R.T. -0.000 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

Tgt Ion: 63 Resp: 91
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

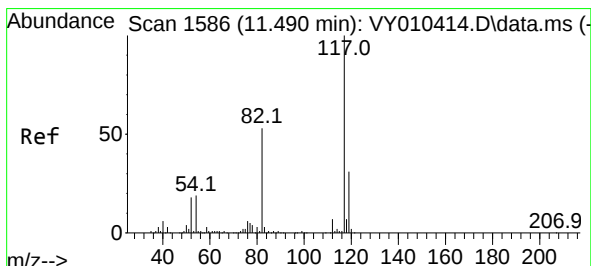
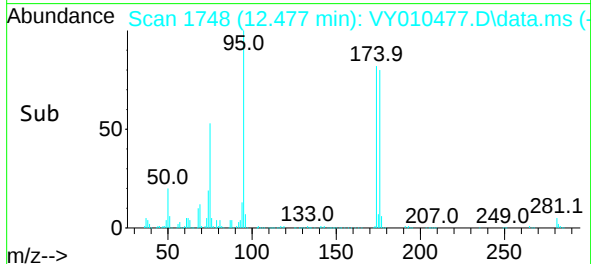
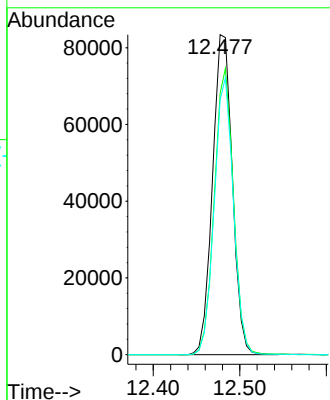
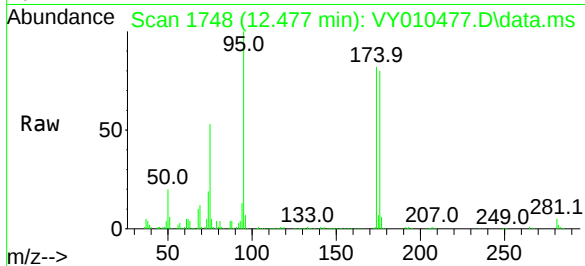




#62
4-Bromofluorobenzene
Concen: 42.857 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

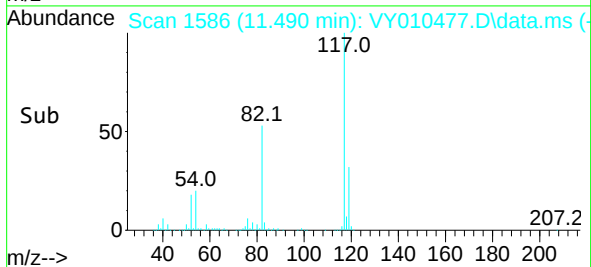
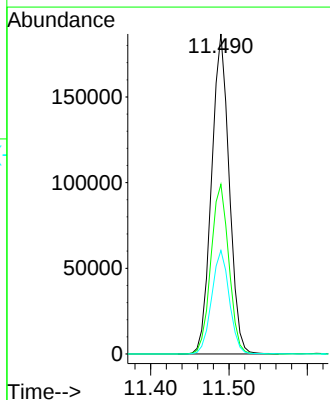
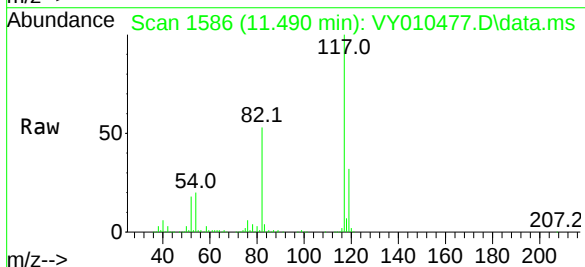
Instrument :
MSVOA_Y
ClientSampleId :
VY0914SBL01

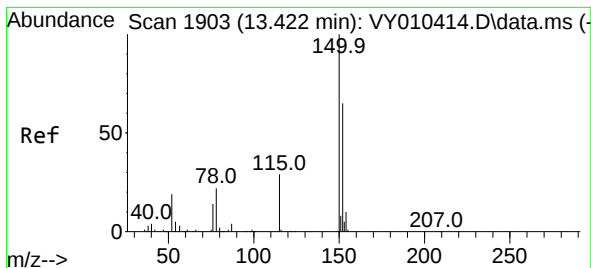
Tgt Ion: 95 Resp: 132624
Ion Ratio Lower Upper
95 100
174 86.4 0.0 177.0
176 83.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010477.D
Acq: 14 Sep 2022 12:06

Tgt Ion: 117 Resp: 292431
Ion Ratio Lower Upper
117 100
82 53.0 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: VY010477.D

Acq: 14 Sep 2022 12:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0914SBL01

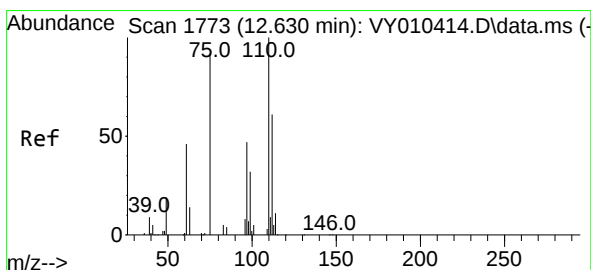
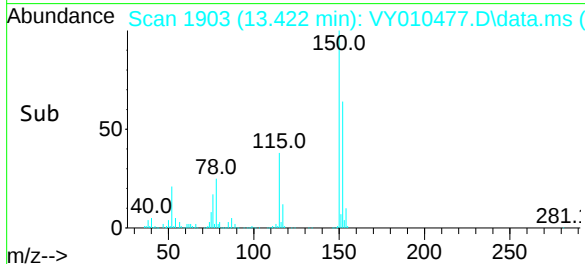
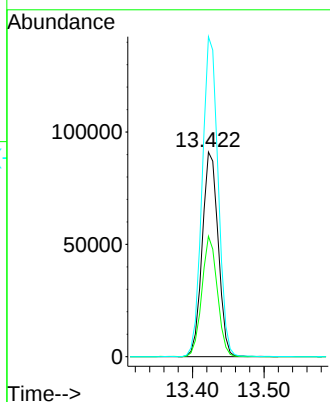
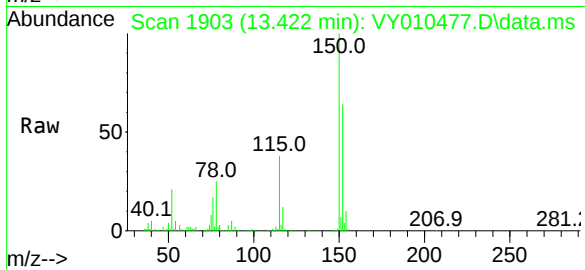
Tgt Ion:152 Resp: 141129

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

150 156.3 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.240 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY010477.D

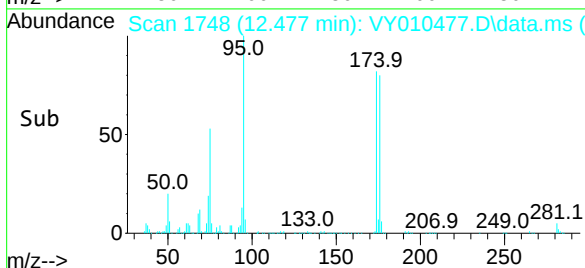
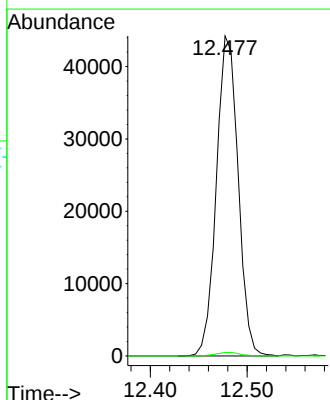
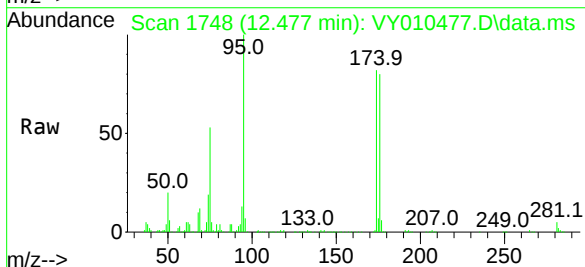
Acq: 14 Sep 2022 12:06

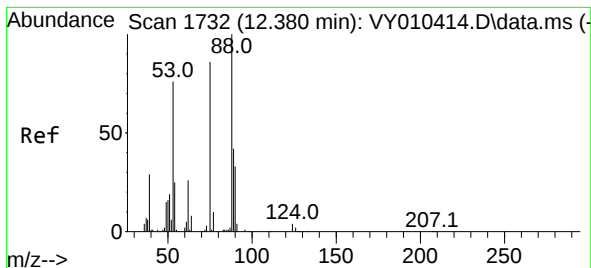
Tgt Ion: 75 Resp: 68908

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.229 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010477.D
 Acq: 14 Sep 2022 12:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0914SBL01

Tgt Ion: 75 Resp: 68908
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.3 37.0 55.4#

