

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102122\
 Data File : VY011047.D
 Acq On : 21 Oct 2022 13:59
 Operator : KP/MD
 Sample : N5217-09
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11-3.5-4.0

Quant Time: Oct 22 01:22:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

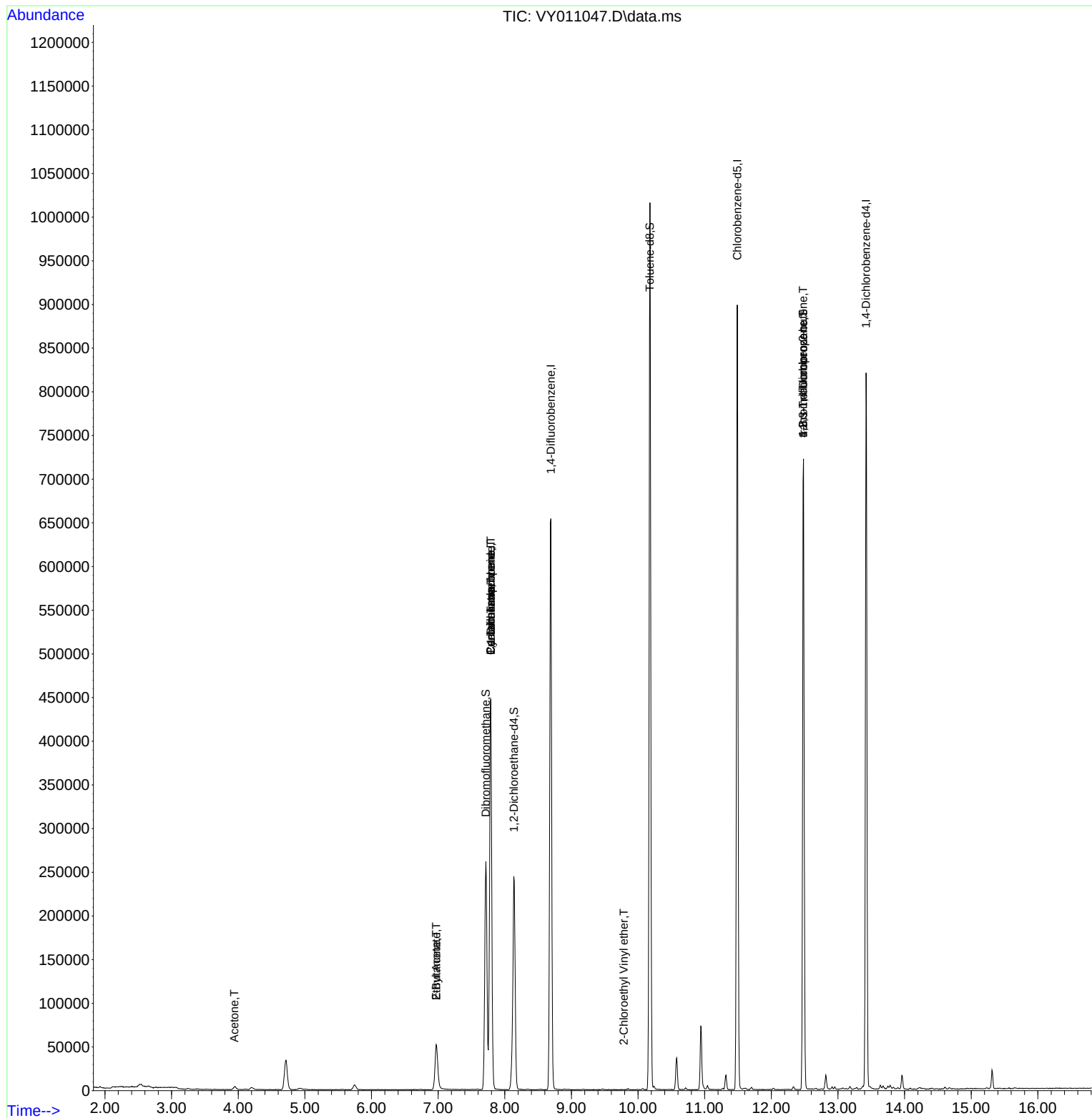
Internal Standards						
1) Pentafluorobenzene	7.789	168	352781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	577640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	495080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	216016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	180360	55.502	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.000%
35) Dibromofluoromethane	7.716	113	188518	58.932	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.860%
50) Toluene-d8	10.179	98	658861	54.627	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.260%
62) 4-Bromofluorobenzene	12.477	95	213598	49.995	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	2651	Below Cal	#	82
16) Acetone	3.942	43	6306	6.682	ug/l	100
18) Methyl Acetate	4.478	43	45	Below Cal	#	56
25) 2-Butanone	6.972	43	3460	2.418	ug/l	# 88
31) Cyclohexane	7.789	56	6825	1.098	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	26223	4.877	ug/l	# 50
37) Ethyl Acetate	6.972	43	3460	1.162	ug/l	# 1
38) Carbon Tetrachloride	7.789	117	33870	6.102	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	9.789	63	65	16.989	ug/l	# 48
76) 1,2,3-Trichloropropane	12.477	75	108162	44.103	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	108162	94.854	ug/l	# 7

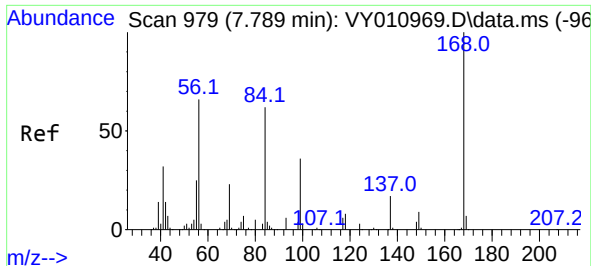
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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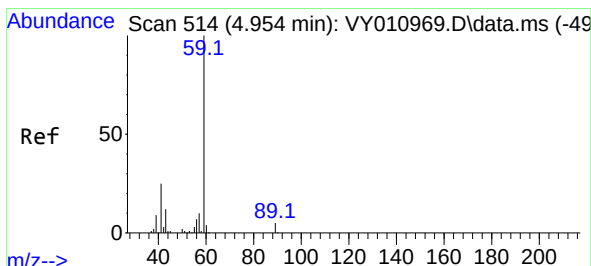
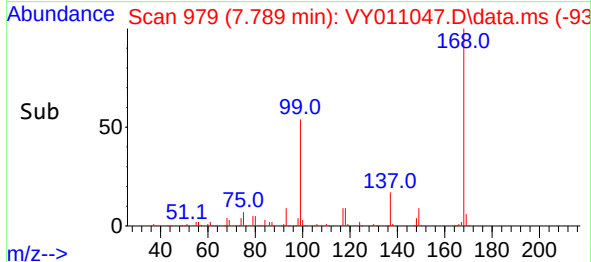
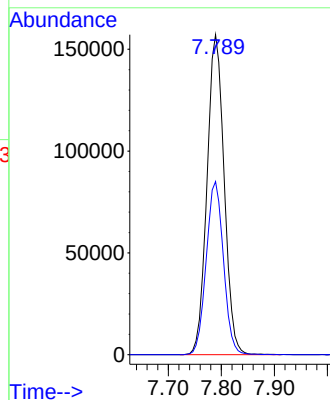
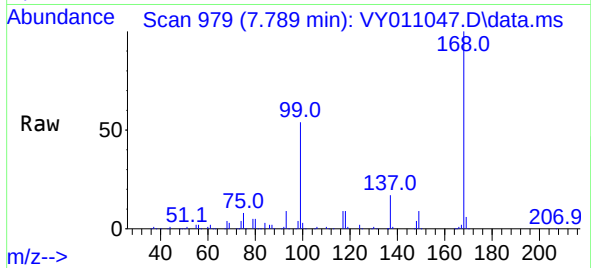




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

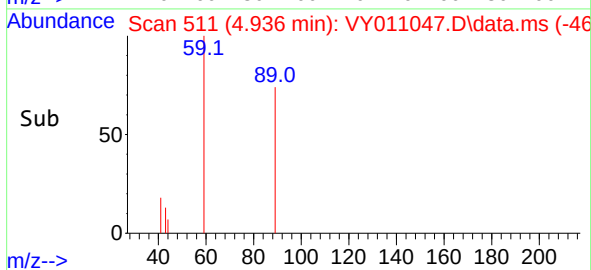
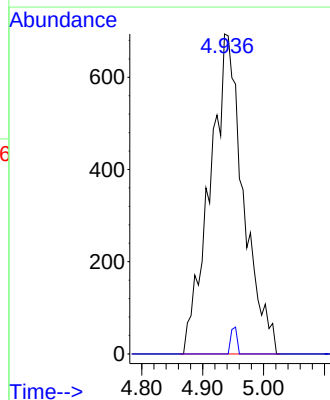
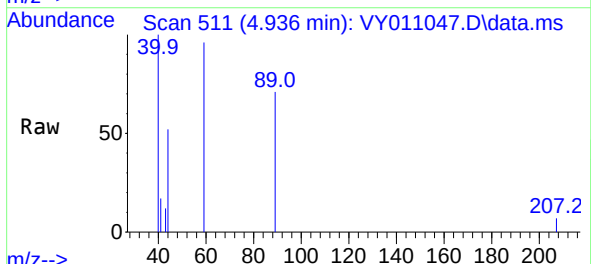
Instrument :
MSVOA_Y
ClientSampleId :
SB-I1-3.5-4.0

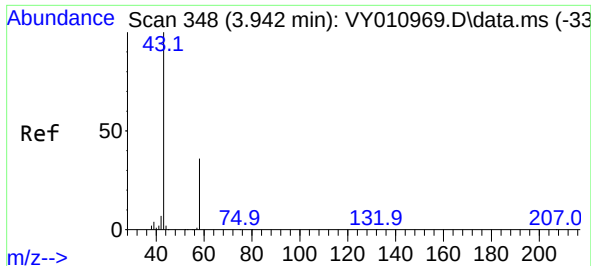
Tgt Ion:168 Resp: 352781
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

Tgt Ion: 59 Resp: 2651
Ion Ratio Lower Upper
59 100
57 1.5 6.4 9.6#

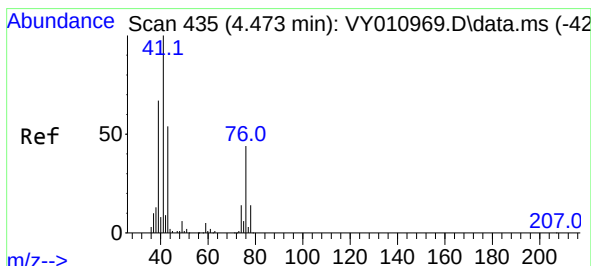
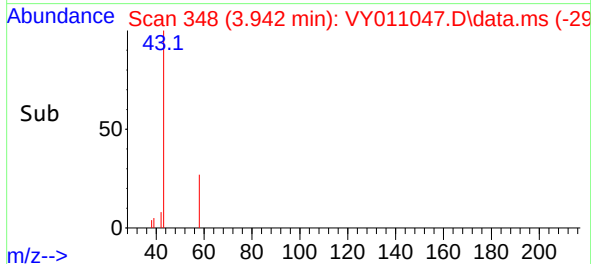
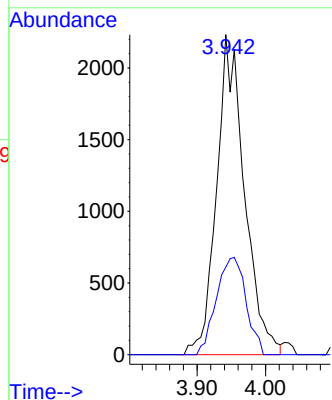
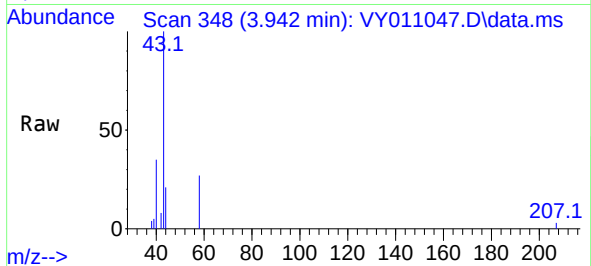




#16
Acetone
Concen: 6.682 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

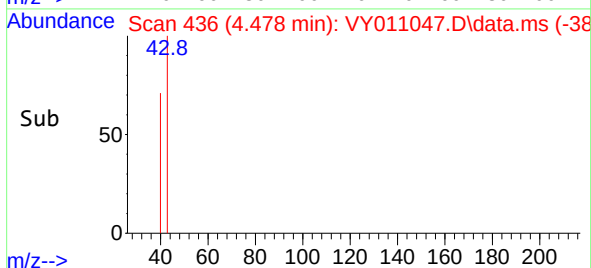
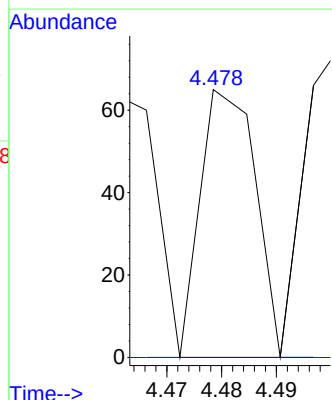
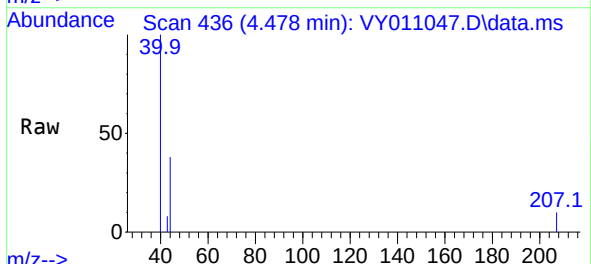
Instrument :
MSVOA_Y
ClientSampleId :
SB-I1-3.5-4.0

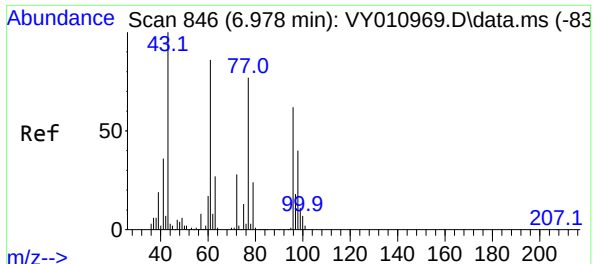
Tgt Ion: 43 Resp: 6306
Ion Ratio Lower Upper
43 100
58 27.3 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 436
Delta R.T. 0.005 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

Tgt Ion: 43 Resp: 45
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#25

2-Butanone

Concen: 2.418 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011047.D

Acq: 21 Oct 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

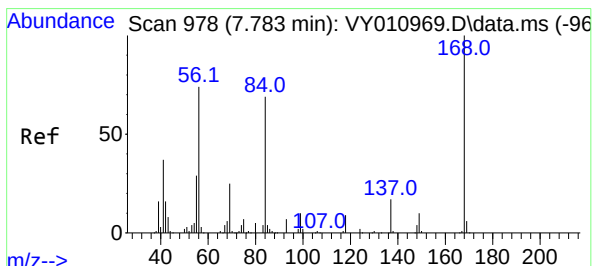
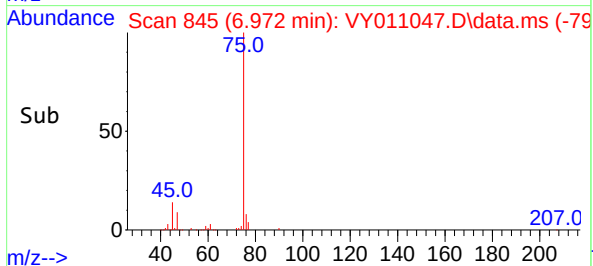
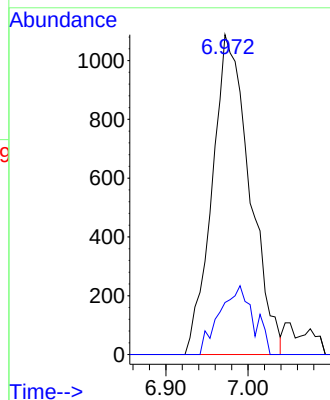
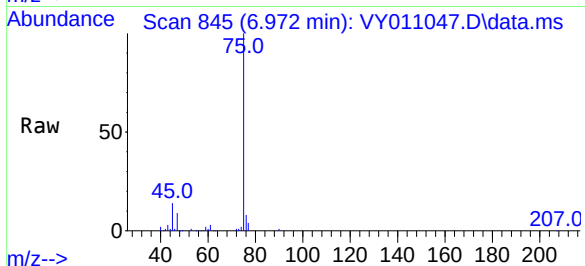
SB-I1-3.5-4.0

Tgt Ion: 43 Resp: 3460

Ion Ratio Lower Upper

43 100

72 16.3 17.7 26.5#



#31

Cyclohexane

Concen: 1.098 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011047.D

Acq: 21 Oct 2022 13:59

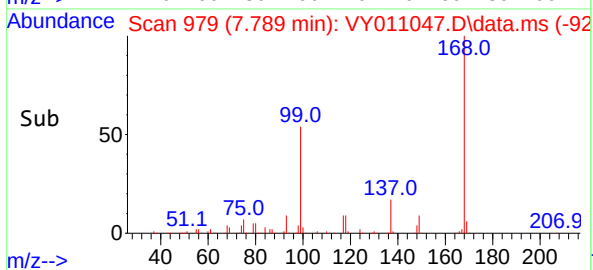
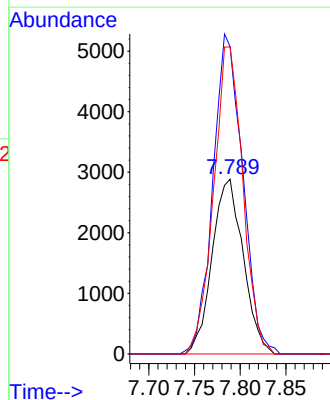
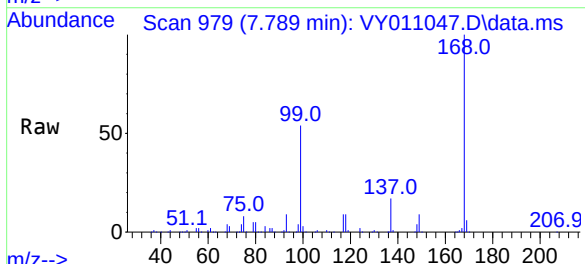
Tgt Ion: 56 Resp: 6825

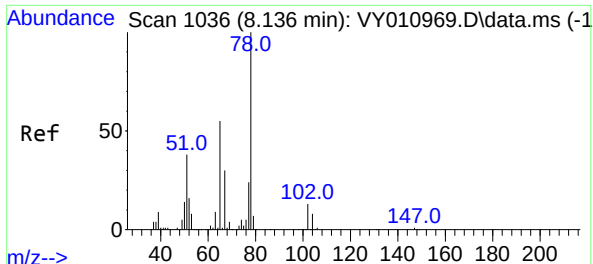
Ion Ratio Lower Upper

56 100

69 175.9 26.7 40.1#

84 175.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.502 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY011047.D

Acq: 21 Oct 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

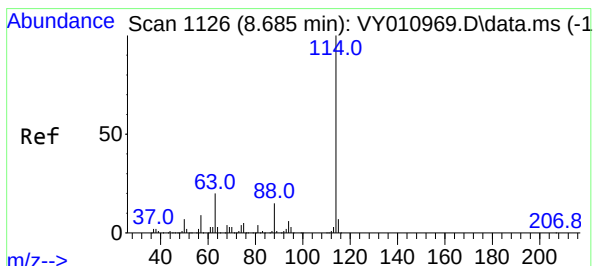
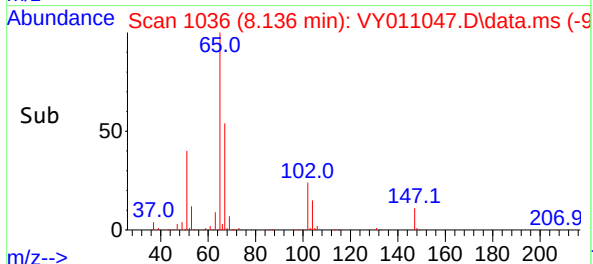
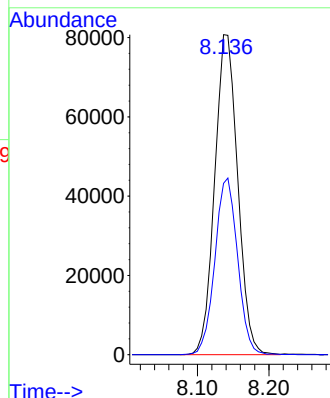
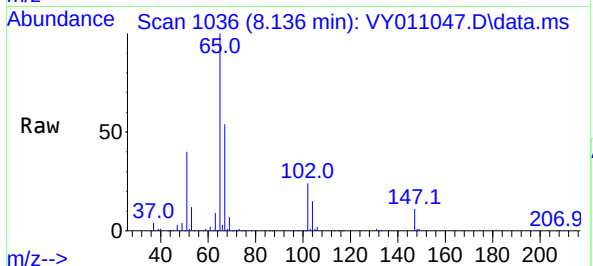
SB-I1-3.5-4.0

Tgt Ion: 65 Resp: 180360

Ion Ratio Lower Upper

65 100

67 54.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011047.D

Acq: 21 Oct 2022 13:59

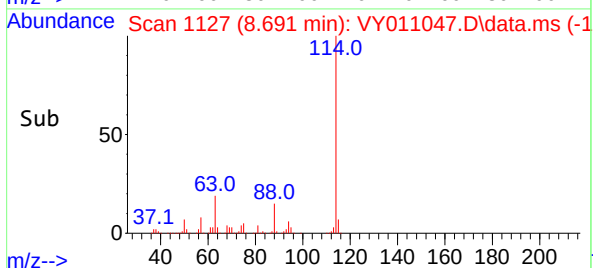
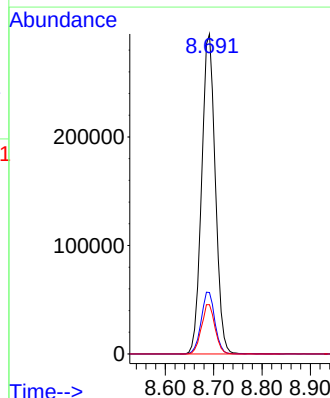
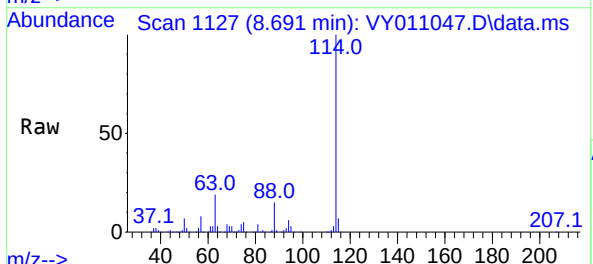
Tgt Ion: 114 Resp: 577640

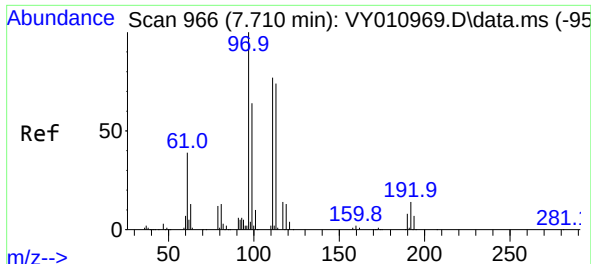
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 58.932 ug/l

RT: 7.716 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY011047.D

Acq: 21 Oct 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

SB-I1-3.5-4.0

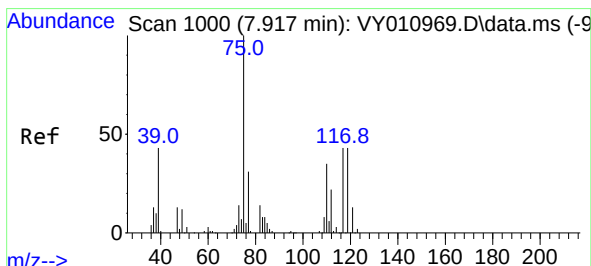
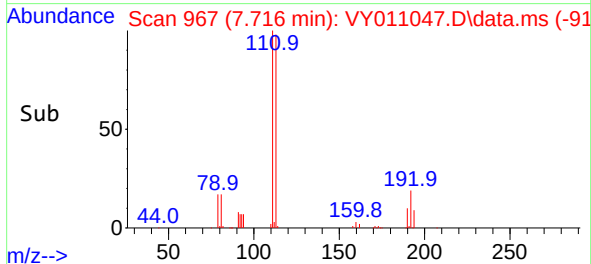
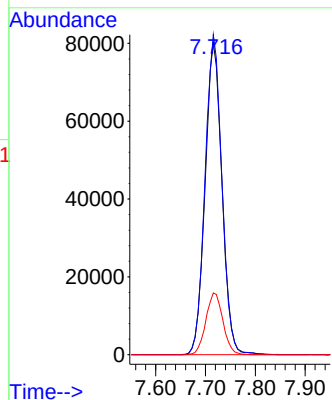
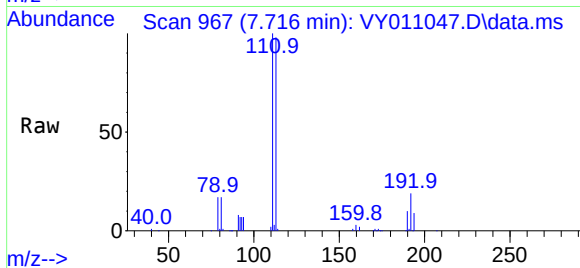
Tgt Ion:113 Resp: 188518

Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 20.0 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY011047.D

Acq: 21 Oct 2022 13:59

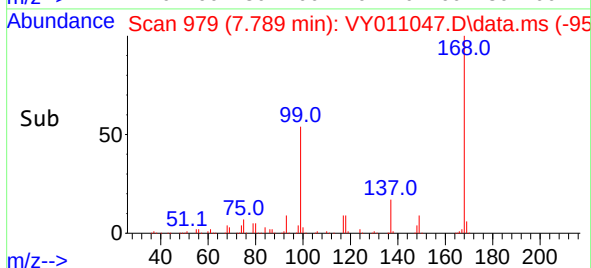
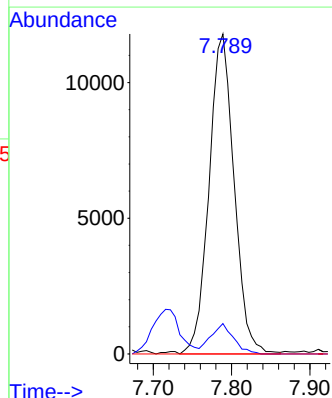
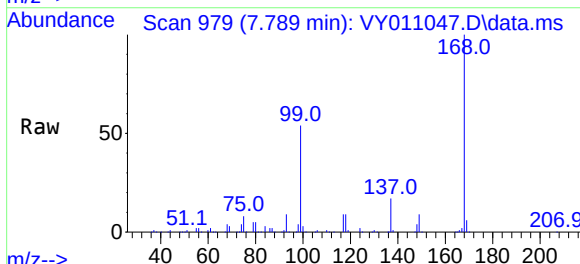
Tgt Ion: 75 Resp: 26223

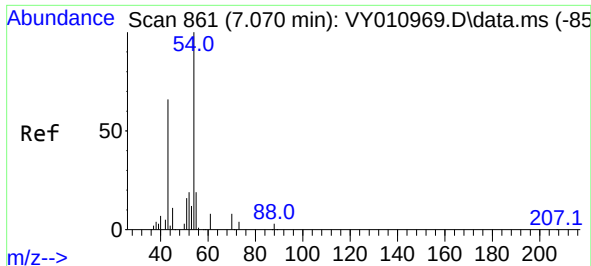
Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.162 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY011047.D

Acq: 21 Oct 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

SB-I1-3.5-4.0

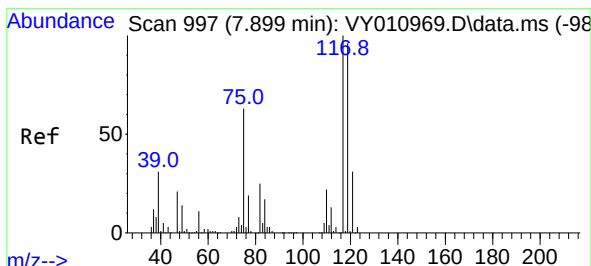
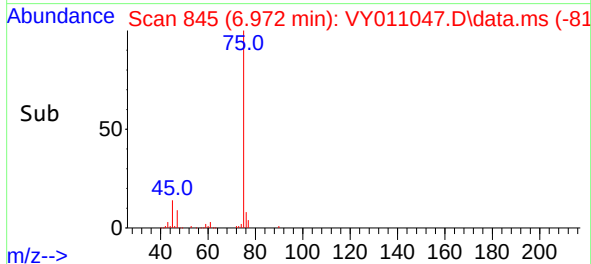
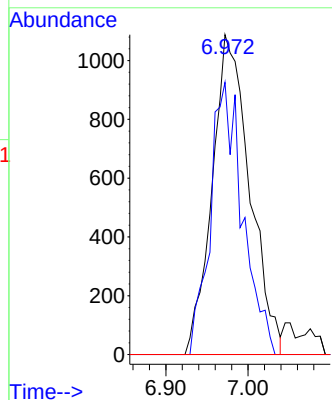
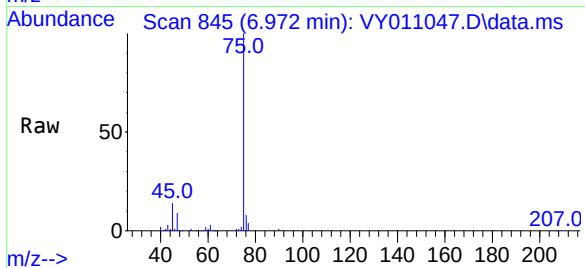
Tgt Ion: 43 Resp: 3460

Ion Ratio Lower Upper

43 100

61 73.4 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.102 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011047.D

Acq: 21 Oct 2022 13:59

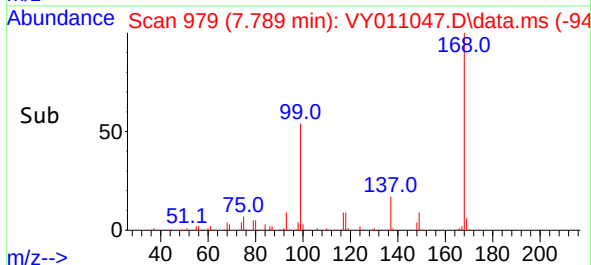
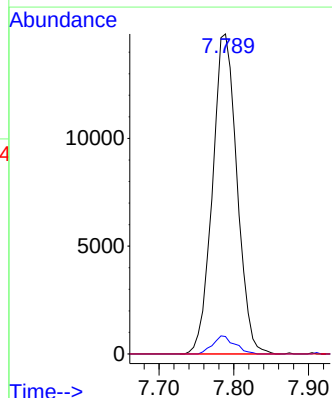
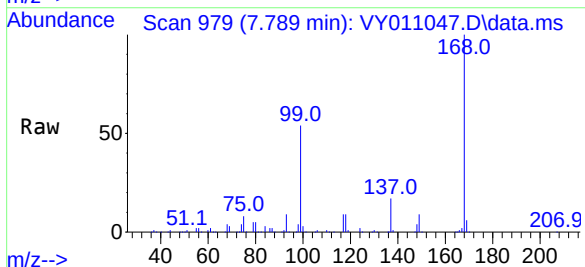
Tgt Ion: 117 Resp: 33870

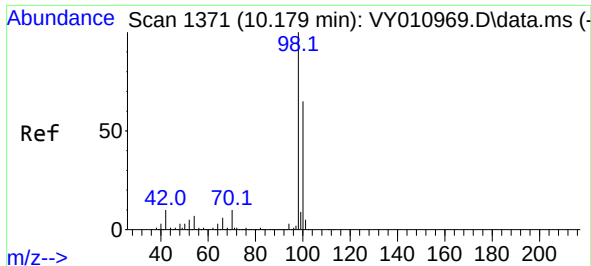
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

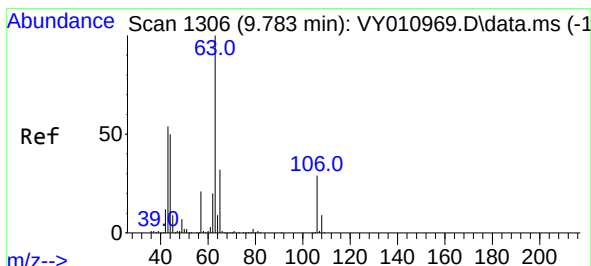
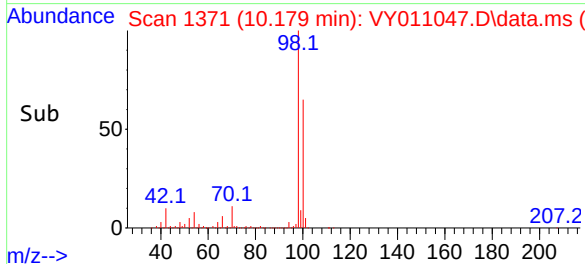
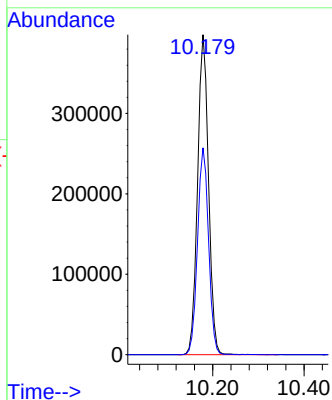
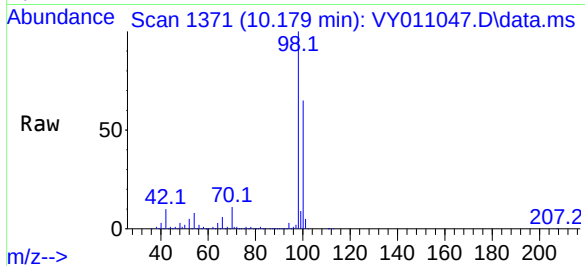




#50
Toluene-d8
Concen: 54.627 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

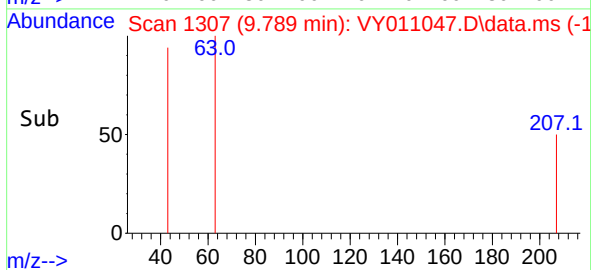
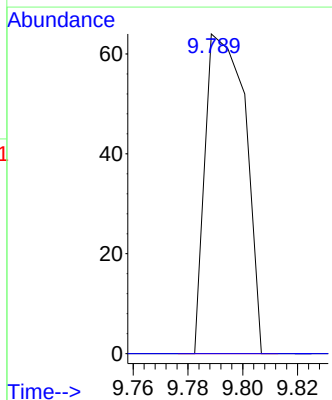
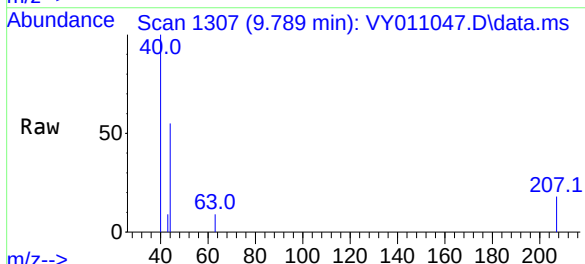
Instrument :
MSVOA_Y
ClientSampleId :
SB-I1-3.5-4.0

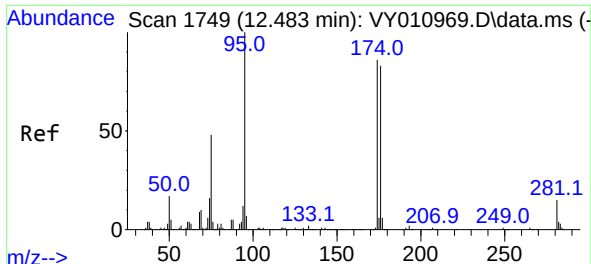
Tgt Ion: 98 Resp: 658861
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 16.989 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

Tgt Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

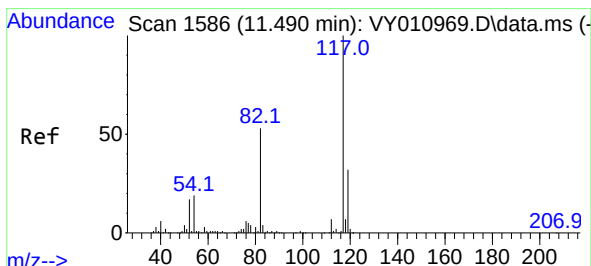
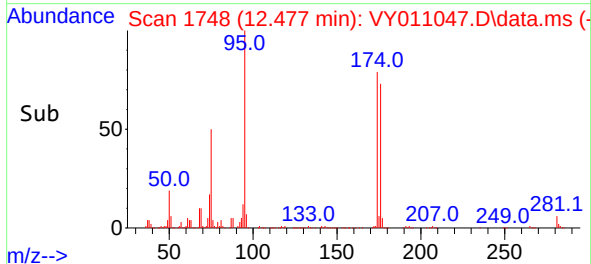
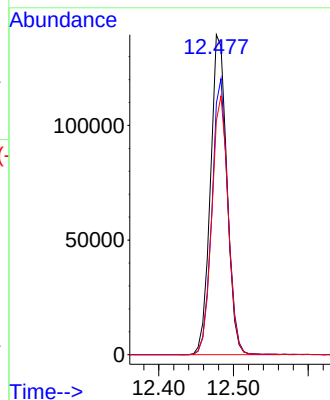
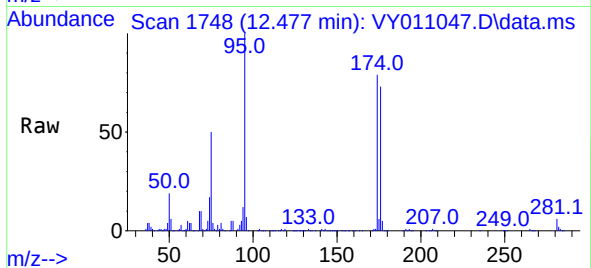




#62
4-Bromofluorobenzene
Concen: 49.995 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

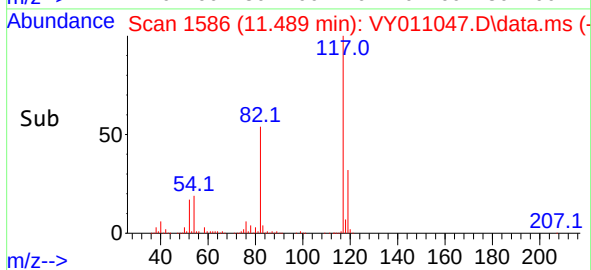
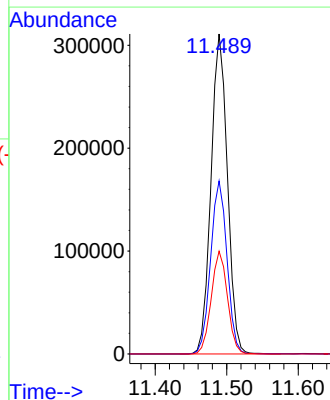
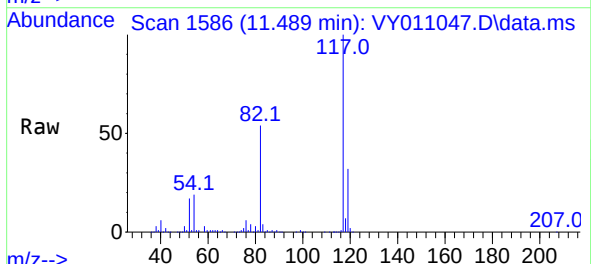
Instrument :
MSVOA_Y
ClientSampleId :
SB-I1-3.5-4.0

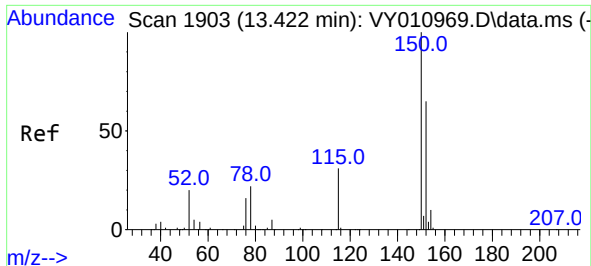
Tgt Ion: 95 Resp: 213598
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 80.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

Tgt Ion: 117 Resp: 495080
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.1 25.4 38.0

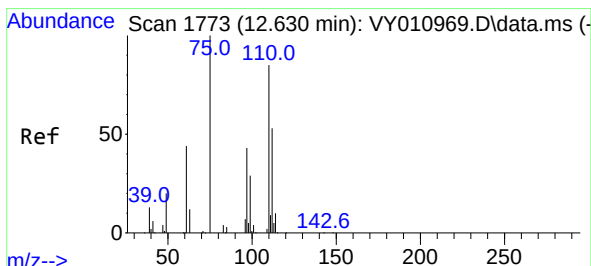
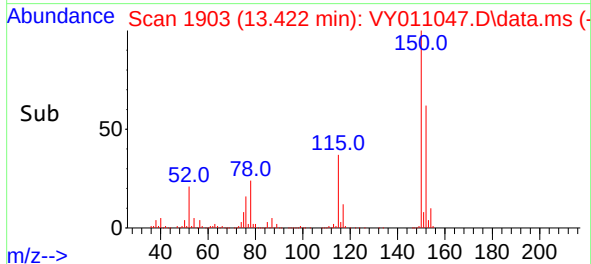
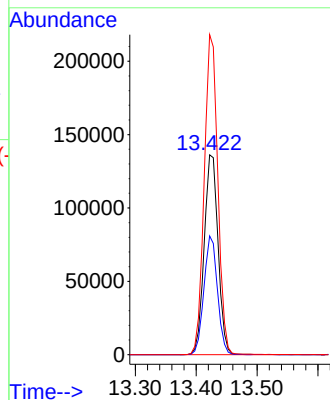
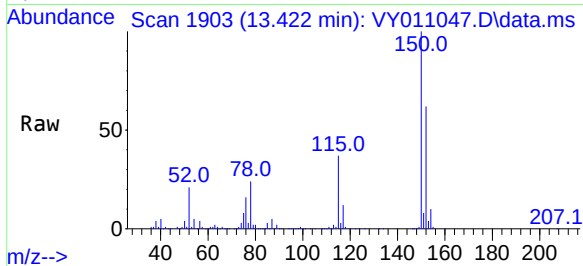




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

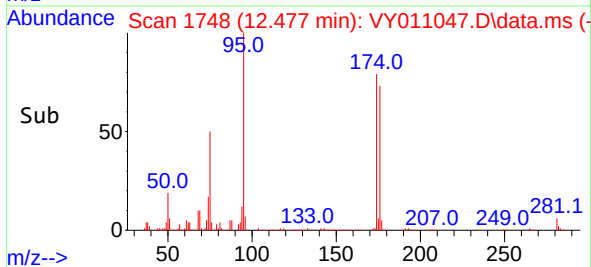
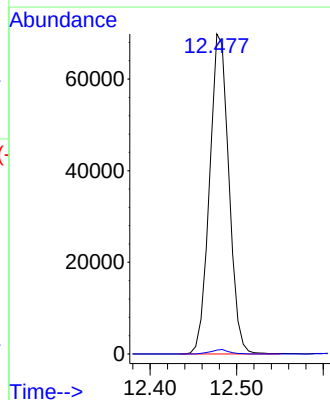
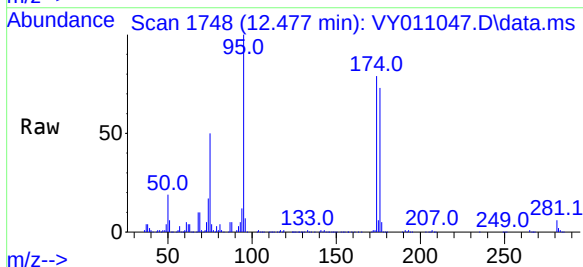
Instrument :
MSVOA_Y
ClientSampleId :
SB-I1-3.5-4.0

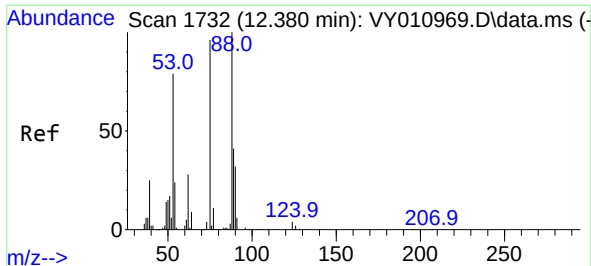
Tgt Ion:152 Resp: 216016
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 156.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 44.103 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011047.D
Acq: 21 Oct 2022 13:59

Tgt Ion: 75 Resp: 108162
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.854 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011047.D
 Acq: 21 Oct 2022 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-I1-3.5-4.0

Tgt Ion: 75 Resp: 108162
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.2 37.0 55.4#

