

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102122\
 Data File : VY011052.D
 Acq On : 21 Oct 2022 15:53
 Operator : KP/MD
 Sample : N5217-19
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-E1-7.5-8.0

Quant Time: Oct 22 01:23:41 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)

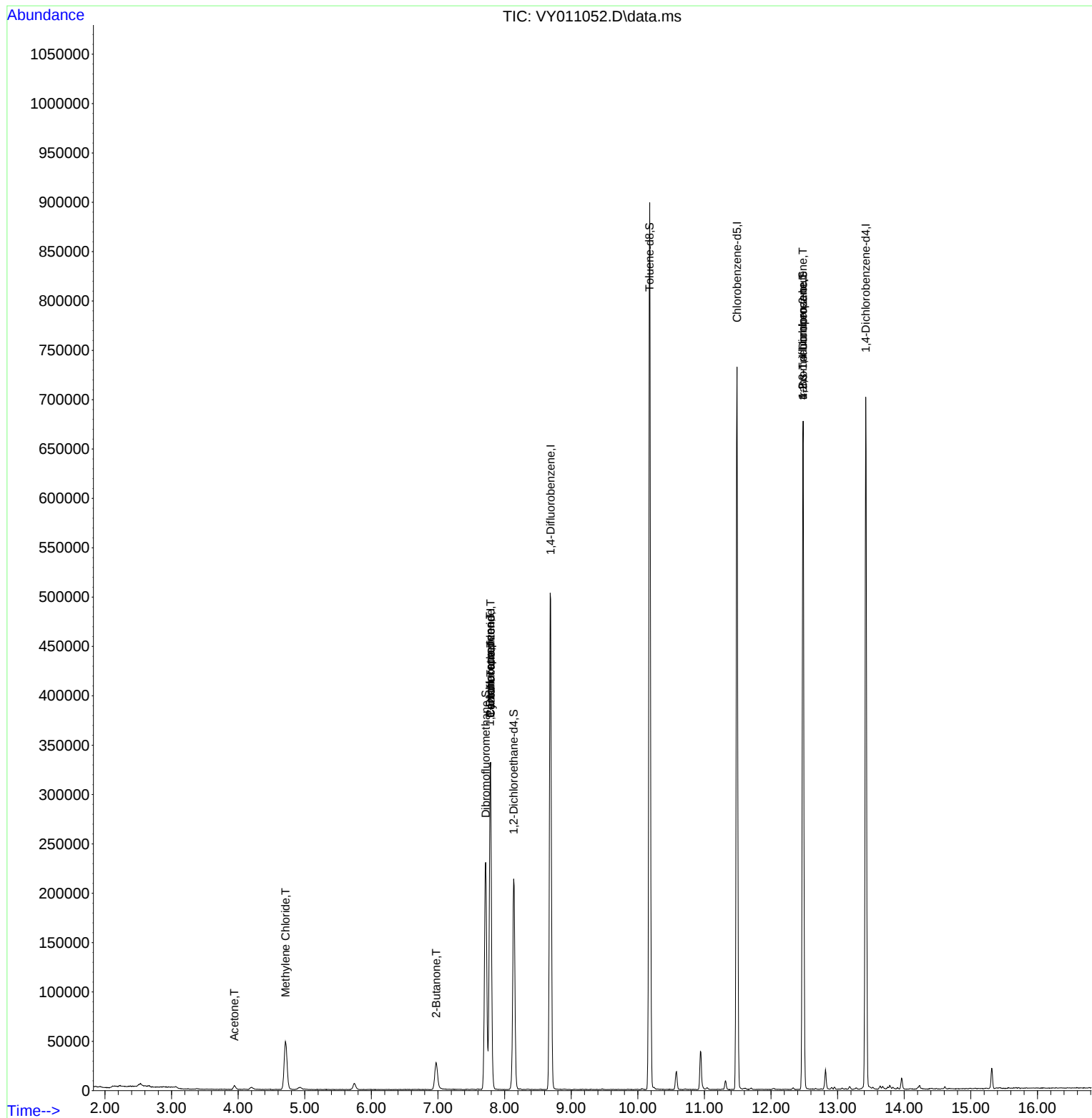
Internal Standards						
1) Pentafluorobenzene	7.789	168	261978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	448311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	396720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	184850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	162041	67.148	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.300%	
35) Dibromofluoromethane	7.716	113	169394	68.586	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 137.180%	
50) Toluene-d8	10.179	98	598827	63.972	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 127.940%	
62) 4-Bromofluorobenzene	12.477	95	205088	62.627	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 125.260%	
Target Compounds						
11) Tert butyl alcohol	4.923	59	3021	Below Cal	#	77
16) Acetone	3.942	43	6228	8.887	ug/l #	77
18) Methyl Acetate	4.478	43	84	Below Cal	#	56
20) Methylene Chloride	4.710	84	38143	7.065	ug/l	86
25) 2-Butanone	6.972	43	2346	2.207	ug/l #	90
31) Cyclohexane	7.789	56	5106	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	19902	4.769	ug/l #	51
38) Carbon Tetrachloride	7.789	117	25713	5.969	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	102823	48.995	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	102823	105.375	ug/l #	7

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

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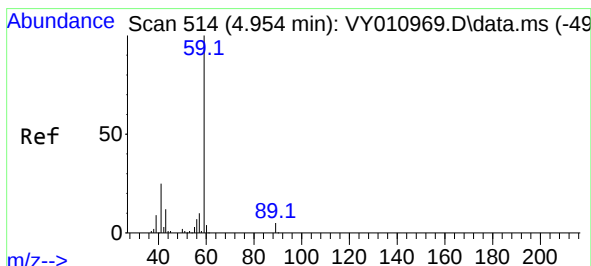
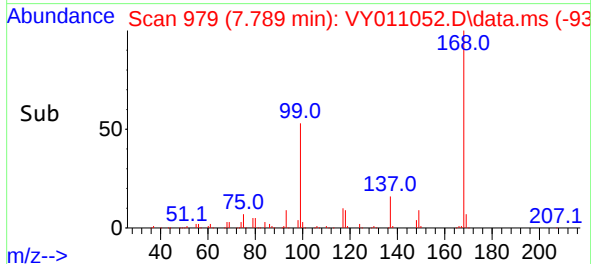
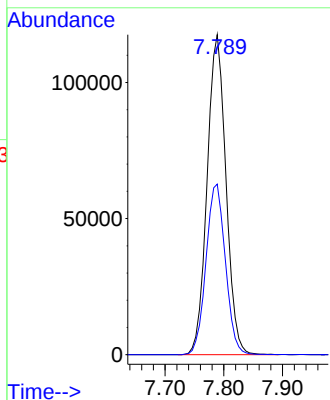
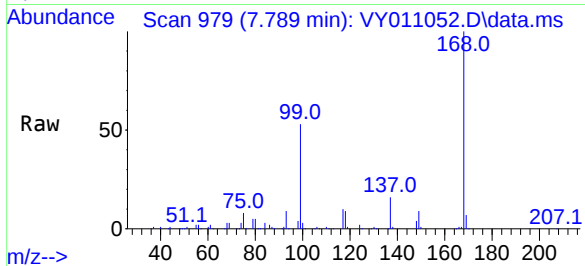




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

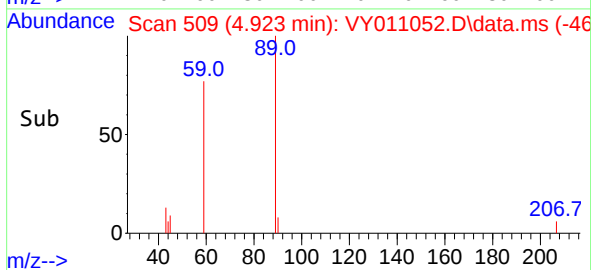
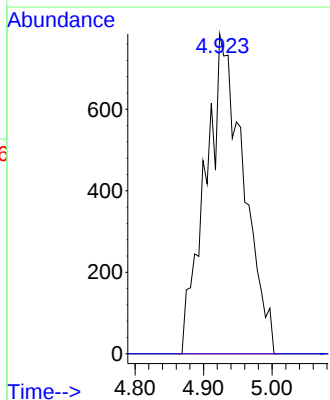
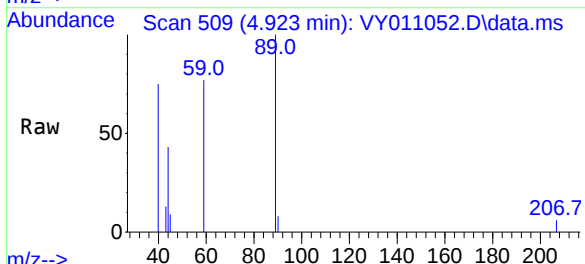
Instrument :
MSVOA_Y
ClientSampleId :
SB-E1-7.5-8.0

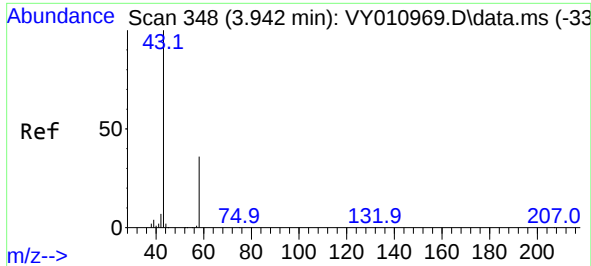
Tgt Ion:168 Resp: 261978
Ion Ratio Lower Upper
168 100
99 53.3 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.031 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

Tgt Ion: 59 Resp: 3021
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 8.887 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY011052.D

Acq: 21 Oct 2022 15:53

Instrument :

MSVOA_Y

ClientSampleId :

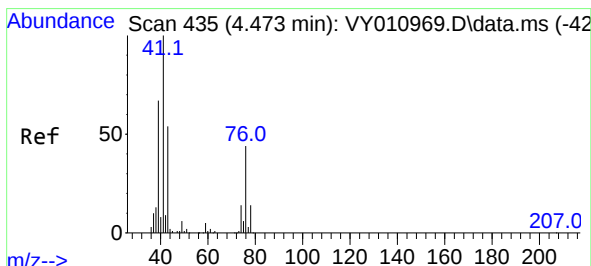
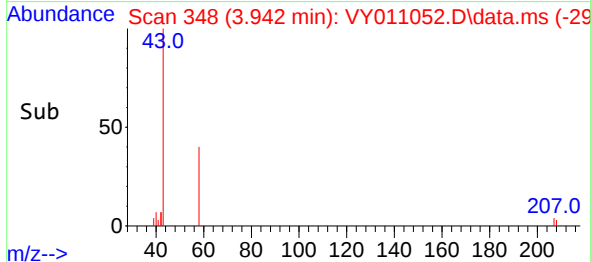
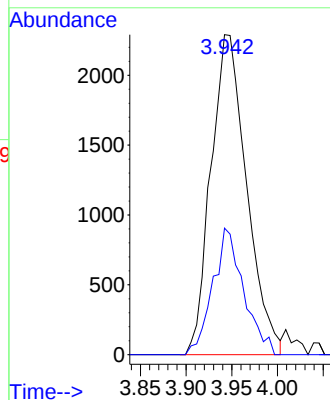
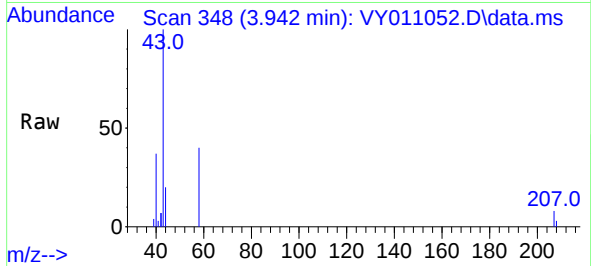
SB-E1-7.5-8.0

Tgt Ion: 43 Resp: 6228

Ion Ratio Lower Upper

43 100

58 39.5 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 436

Delta R.T. 0.005 min

Lab File: VY011052.D

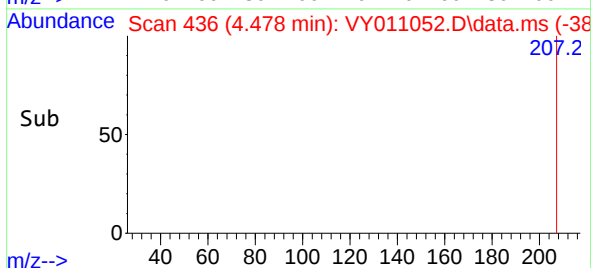
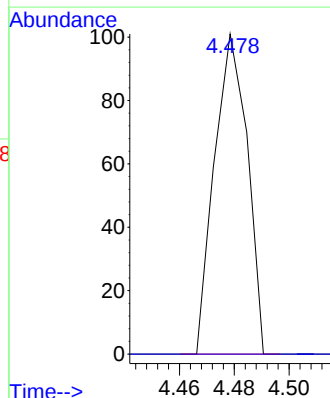
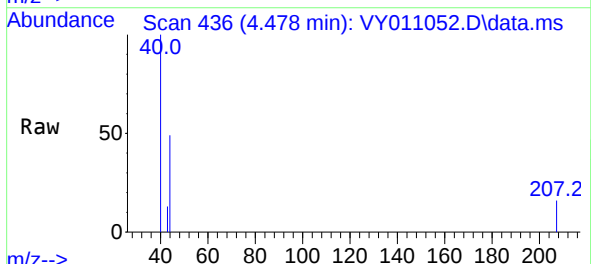
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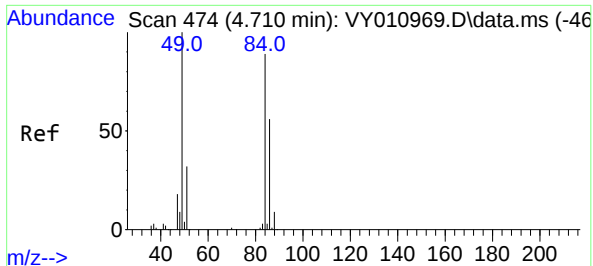
Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



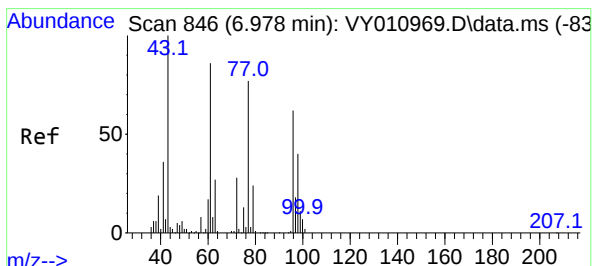
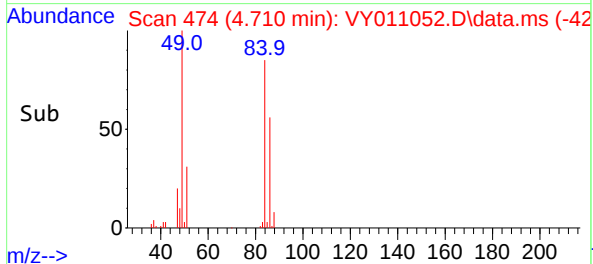
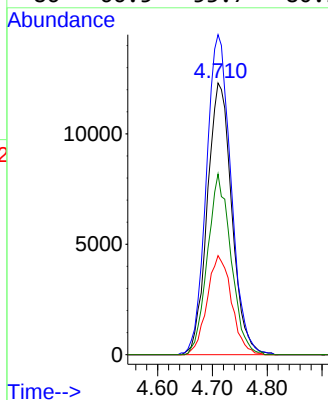
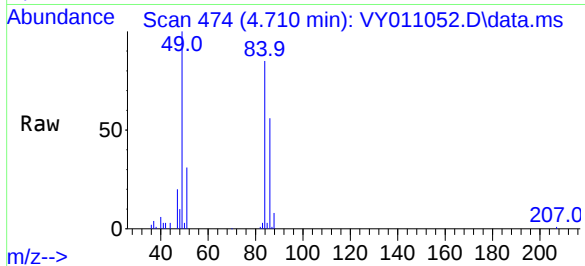


#20
Methylene Chloride
Concen: 7.065 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

Instrument :
MSVOA_Y
ClientSampleId :
SB-E1-7.5-8.0

Tgt Ion: 84 Resp: 38143

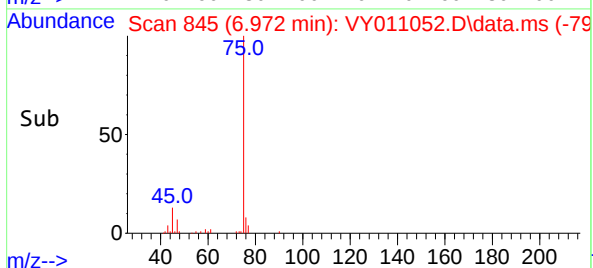
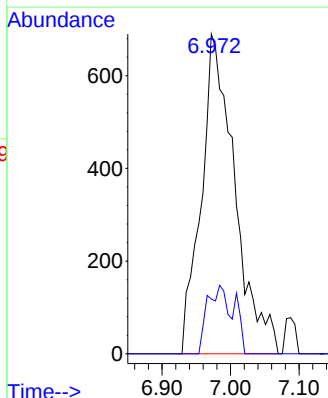
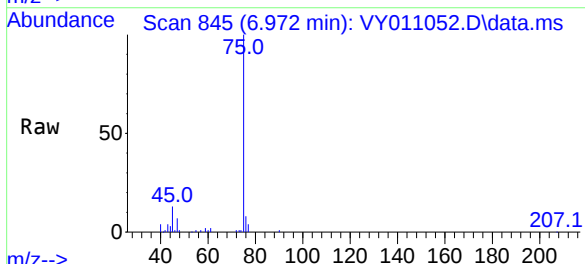
Ion	Ratio	Lower	Upper
84	100		
49	117.8	114.4	171.6
51	36.5	35.3	52.9
86	66.5	53.7	80.5

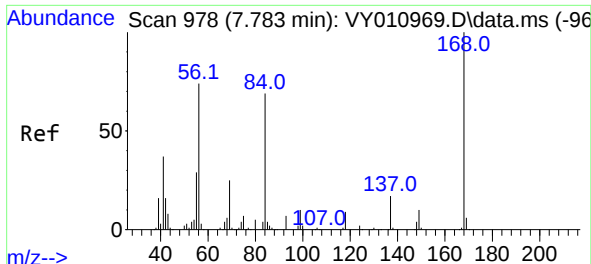


#25
2-Butanone
Concen: 2.207 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

Tgt Ion: 43 Resp: 2346

Ion	Ratio	Lower	Upper
43	100		
72	17.1	17.7	26.5#

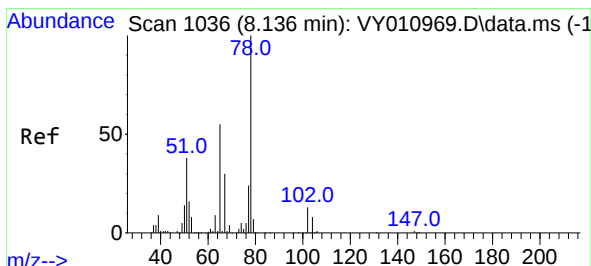
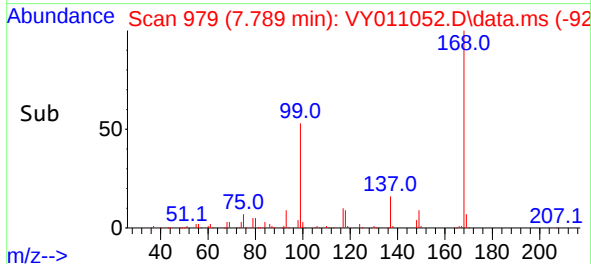
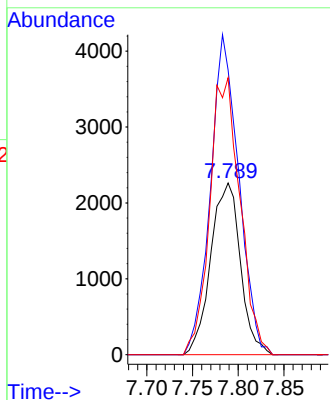
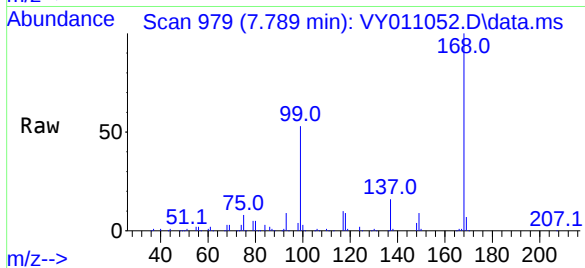




#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

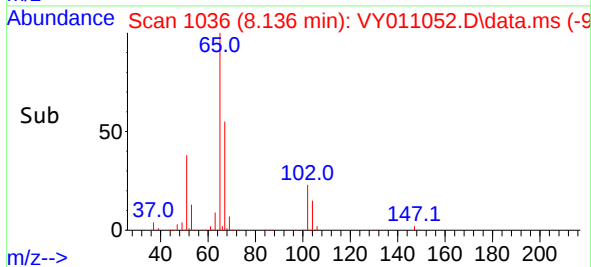
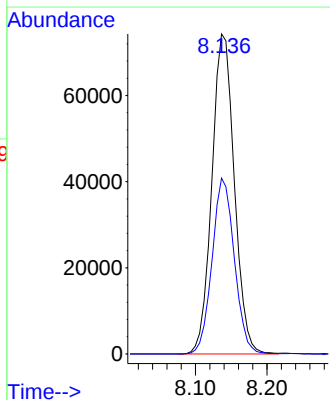
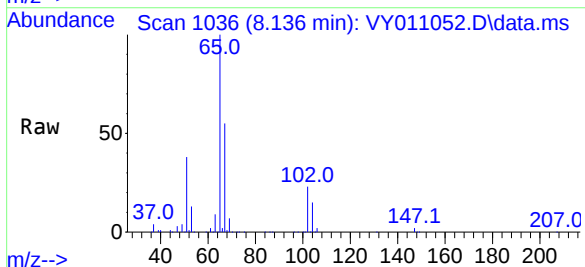
Instrument :
MSVOA_Y
ClientSampleId :
SB-E1-7.5-8.0

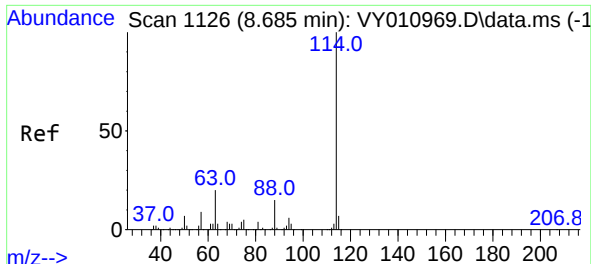
Tgt Ion: 56 Resp: 5106
Ion Ratio Lower Upper
56 100
69 165.8 26.7 40.1#
84 161.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.148 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

Tgt Ion: 65 Resp: 162041
Ion Ratio Lower Upper
65 100
67 54.4 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: VY011052.D

Acq: 21 Oct 2022 15:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-E1-7.5-8.0

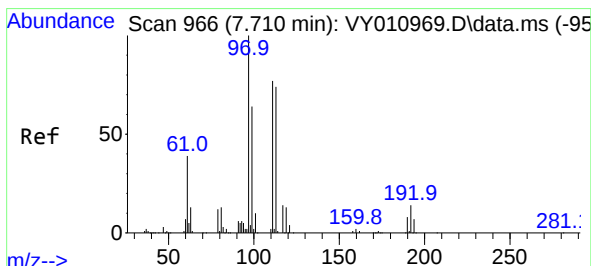
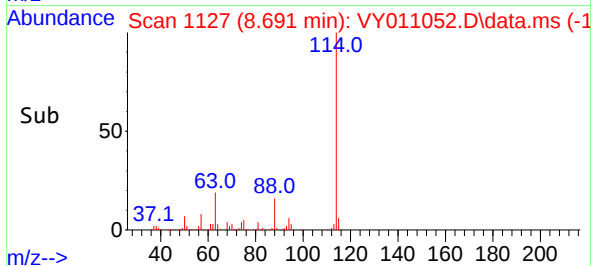
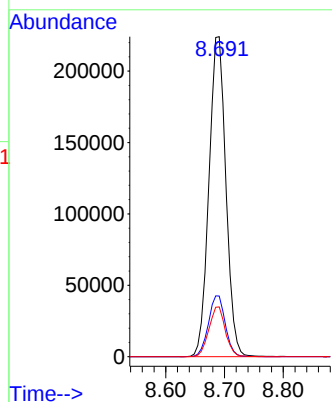
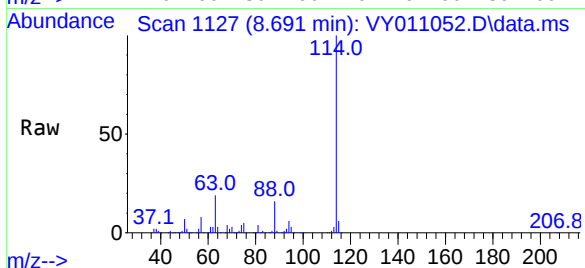
Tgt Ion:114 Resp: 448311

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 68.586 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011052.D

Acq: 21 Oct 2022 15:53

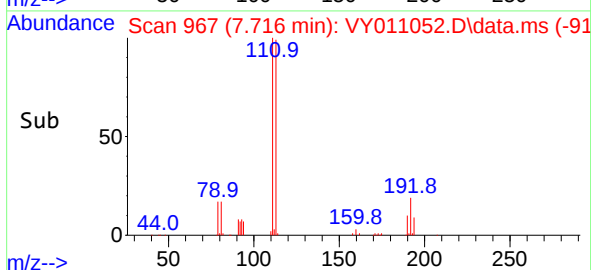
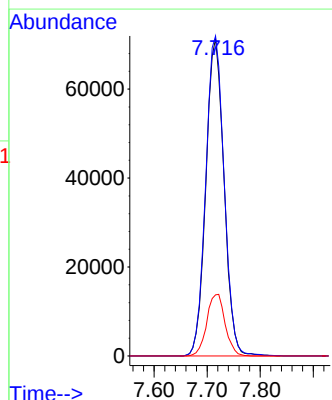
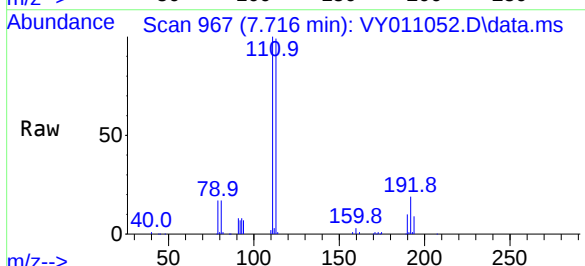
Tgt Ion:113 Resp: 169394

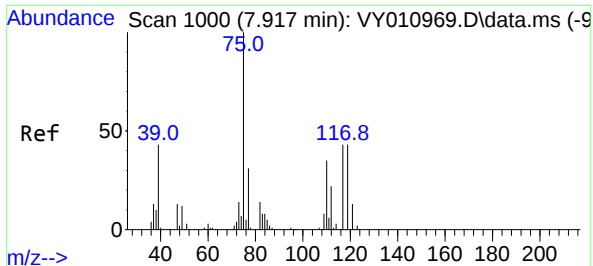
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.769 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011052.D

Acq: 21 Oct 2022 15:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-E1-7.5-8.0

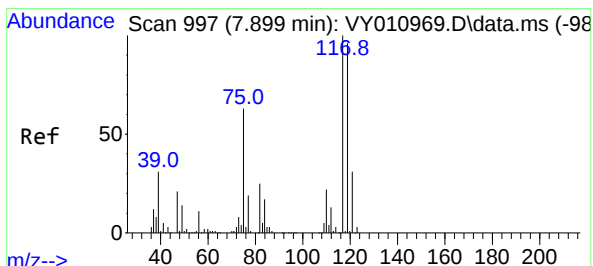
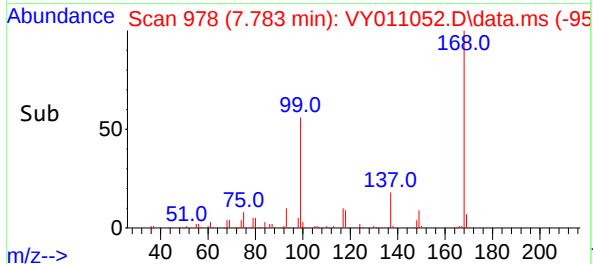
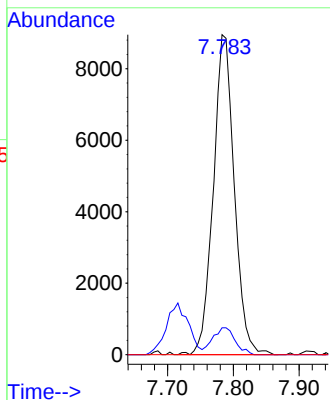
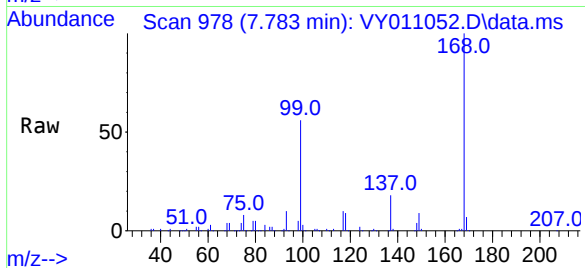
Tgt Ion: 75 Resp: 19902

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.969 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011052.D

Acq: 21 Oct 2022 15:53

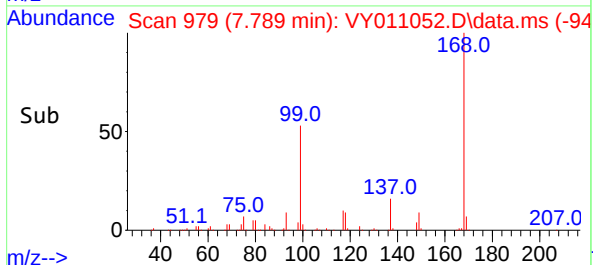
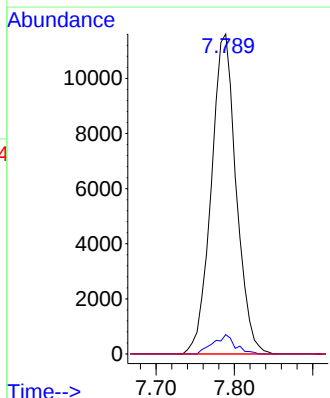
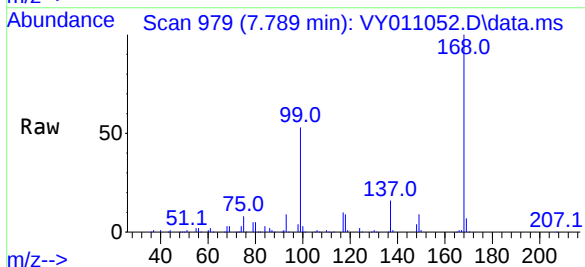
Tgt Ion: 117 Resp: 25713

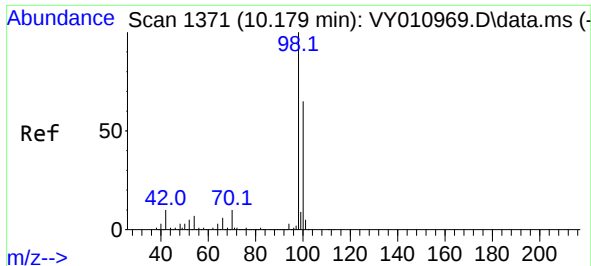
Ion Ratio Lower Upper

117 100

119 6.1 77.9 116.9#

121 0.0 24.8 37.2#

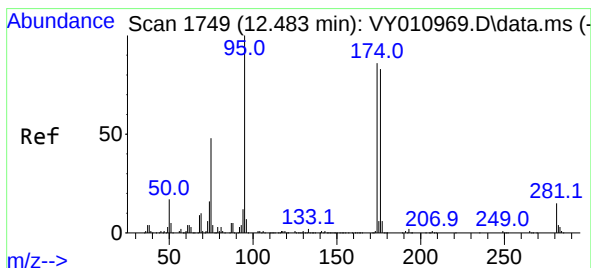
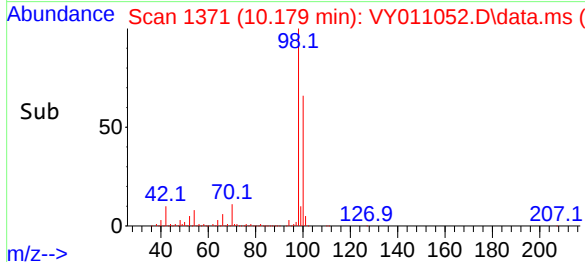
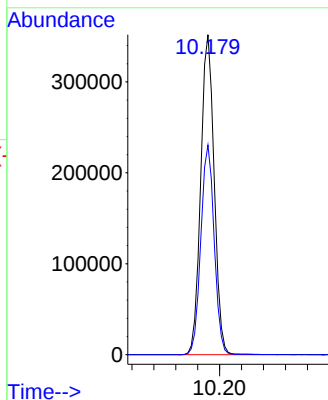
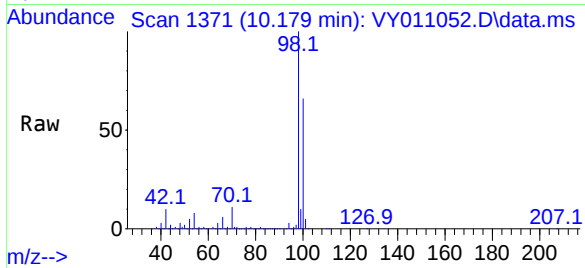




#50
Toluene-d8
Concen: 63.972 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

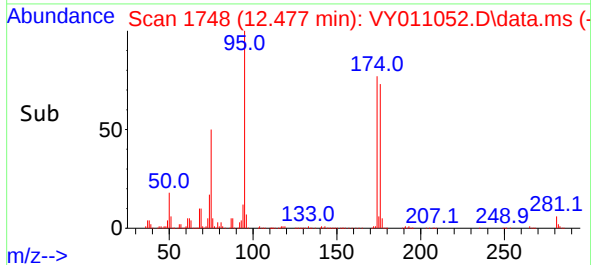
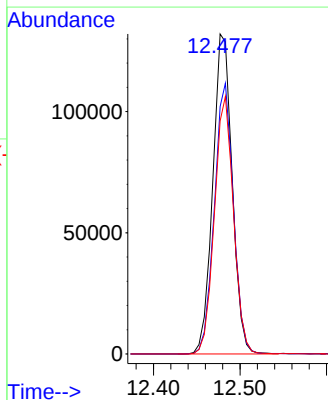
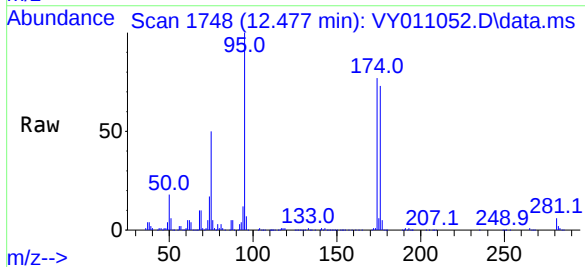
Instrument :
MSVOA_Y
ClientSampleId :
SB-E1-7.5-8.0

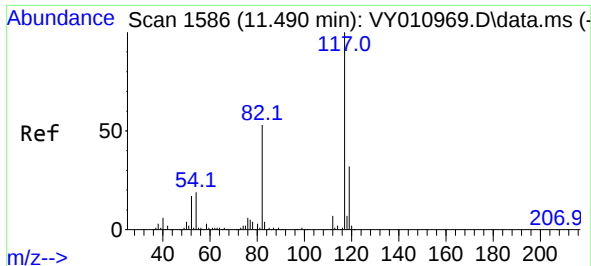
Tgt Ion: 98 Resp: 598827
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 62.627 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

Tgt Ion: 95 Resp: 205088
Ion Ratio Lower Upper
95 100
174 83.4 0.0 177.0
176 79.3 0.0 175.8

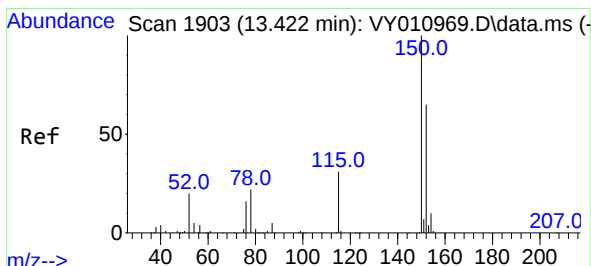
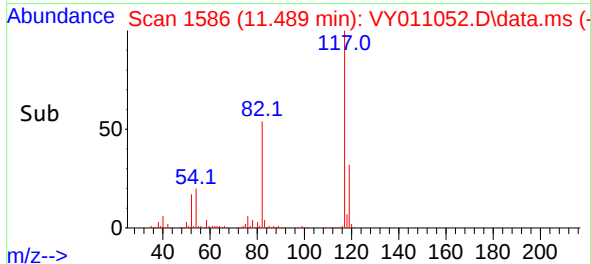
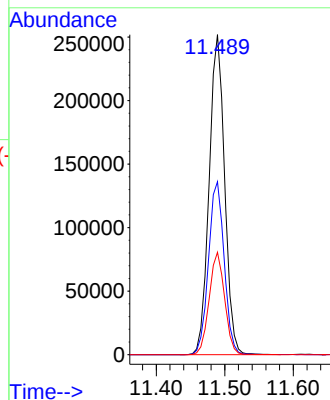
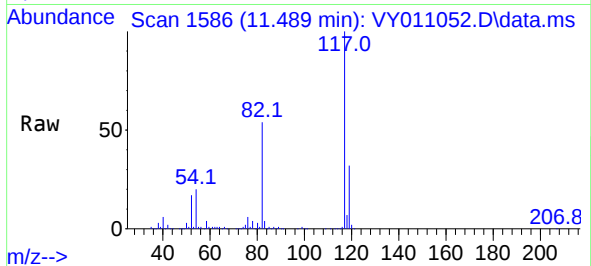




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

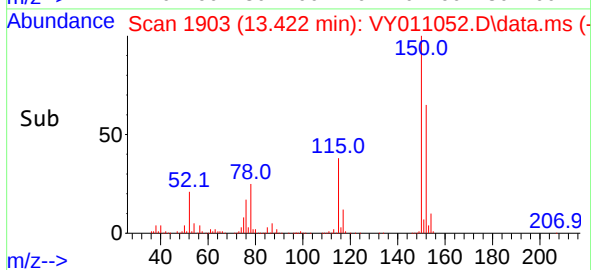
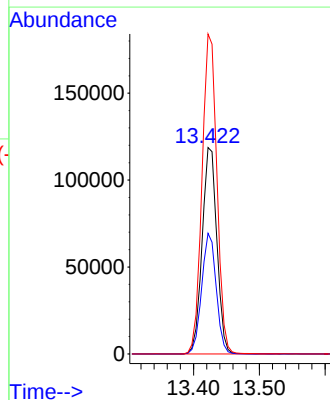
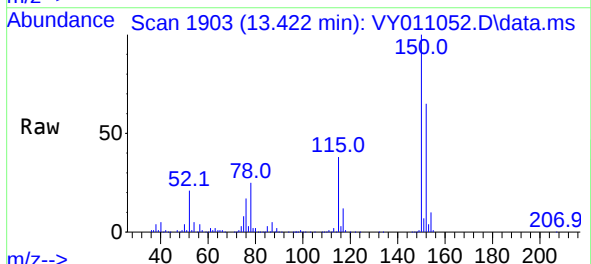
Instrument :
MSVOA_Y
ClientSampleId :
SB-E1-7.5-8.0

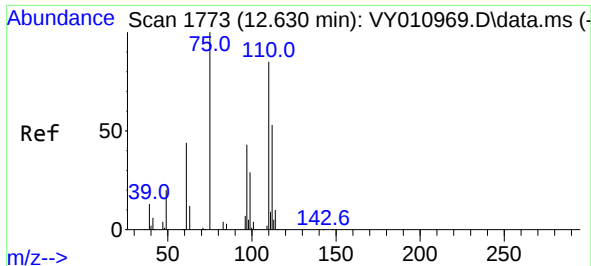
Tgt Ion:117 Resp: 396720
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

Tgt Ion:152 Resp: 184850
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 156.6 0.0 347.6

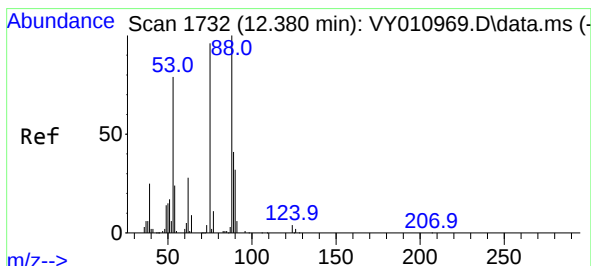
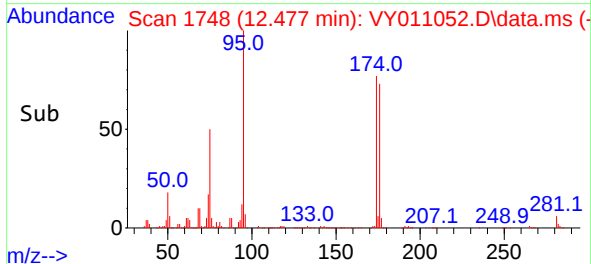
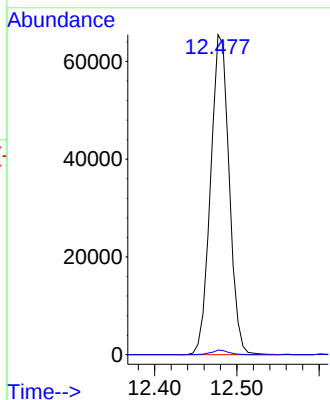
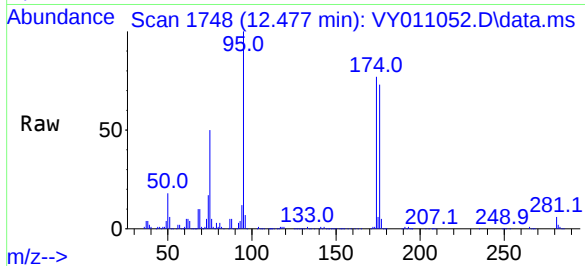




#76
1,2,3-Trichloropropane
Concen: 48.995 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

Instrument :
MSVOA_Y
ClientSampleId :
SB-E1-7.5-8.0

Tgt Ion: 75 Resp: 102823
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.375 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011052.D
Acq: 21 Oct 2022 15:53

Tgt Ion: 75 Resp: 102823
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

