

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY011999.D
 Acq On : 23 Dec 2022 15:48
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 22:25:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	187833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	312918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136685	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	117028	61.842	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.680%
35) Dibromofluoromethane	7.716	113	104048	52.352	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.700%
50) Toluene-d8	10.179	98	402034	49.858	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.720%
62) 4-Bromofluorobenzene	12.483	95	125420	46.247	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.500%

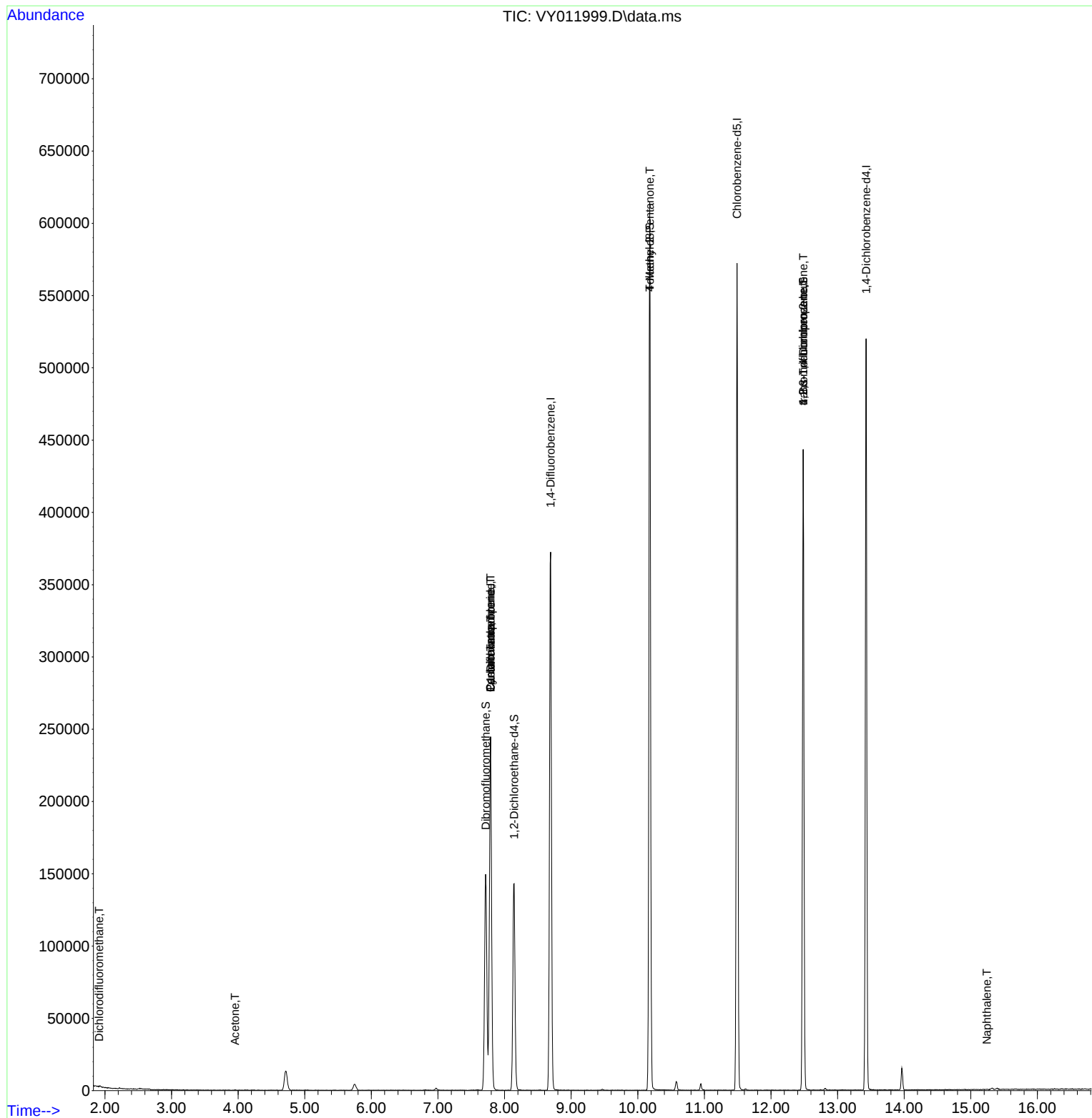
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	84	2.521	ug/l #	41
16) Acetone	3.954	43	312	5.416	ug/l #	40
20) Methylene Chloride	4.716	84	10686	Below Cal		90
31) Cyclohexane	7.789	56	3386	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	13443	4.217	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19061	5.177	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	1489	1.069	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	65803	38.689	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65803	105.950	ug/l #	13
95) Naphthalene	15.239	128	177	2.811	ug/l #	69

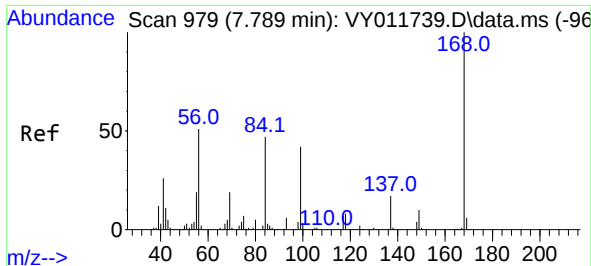
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Dec 23 22:25:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration

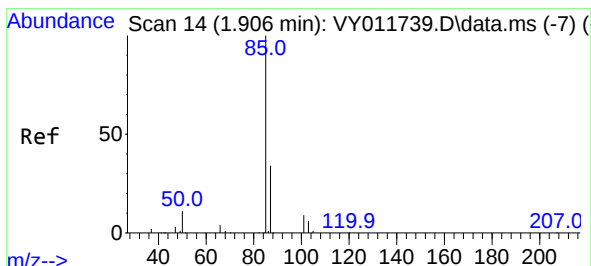
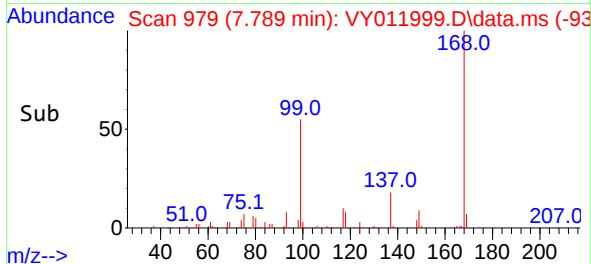
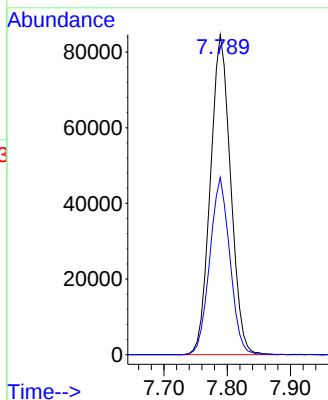
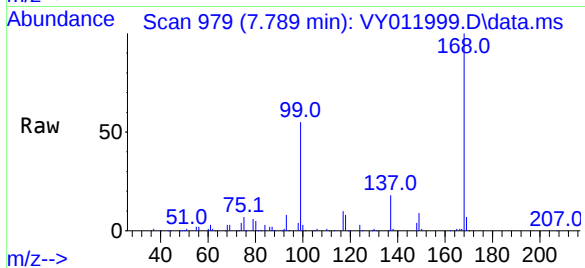




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

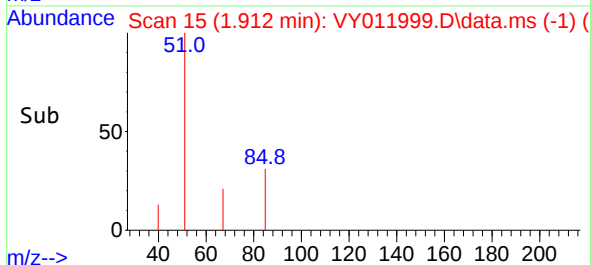
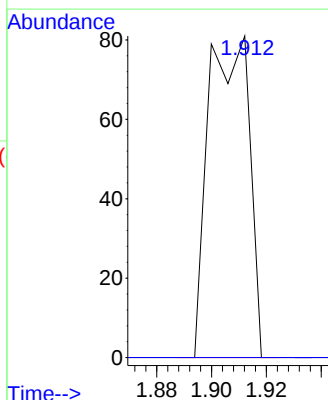
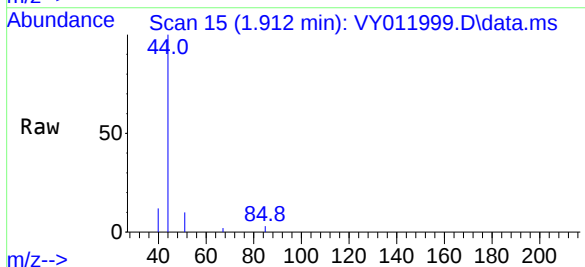
Instrument :
MSVOA_Y
ClientSampleId :

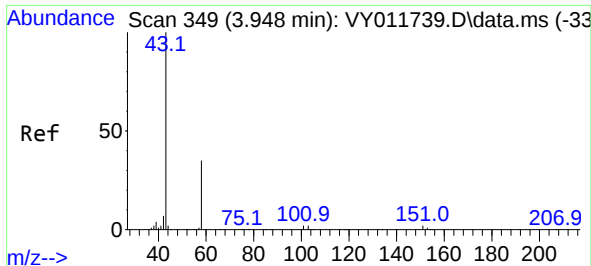
Tgt Ion:168 Resp: 187833
Ion Ratio Lower Upper
168 100
99 55.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.521 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

Tgt Ion: 85 Resp: 84
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

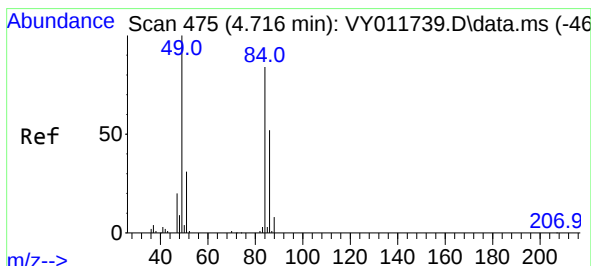
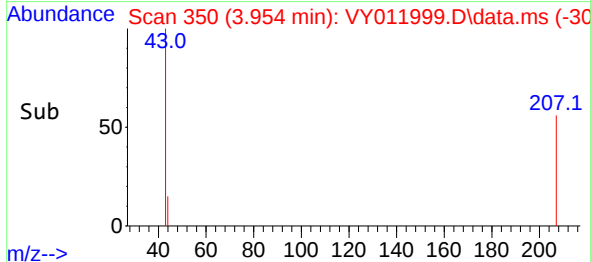
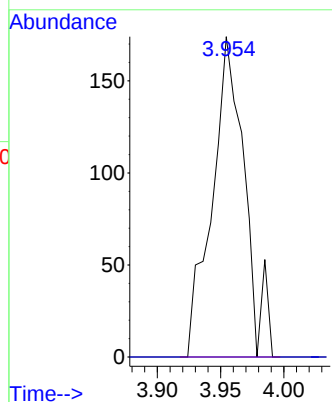
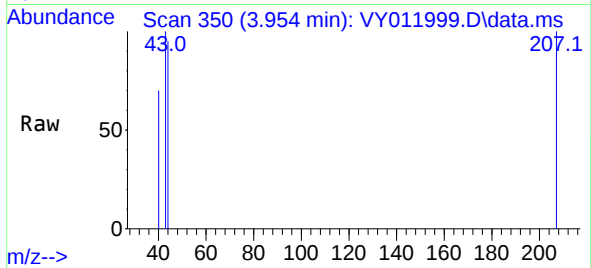




#16
Acetone
Concen: 5.416 ug/l
RT: 3.954 min Scan# 312
Delta R.T. 0.006 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

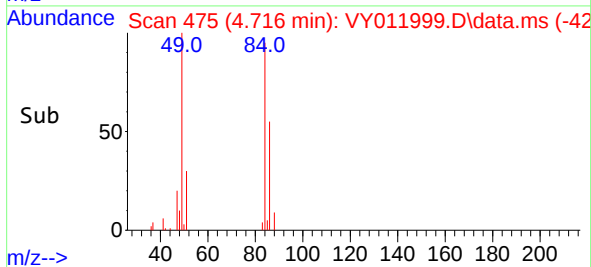
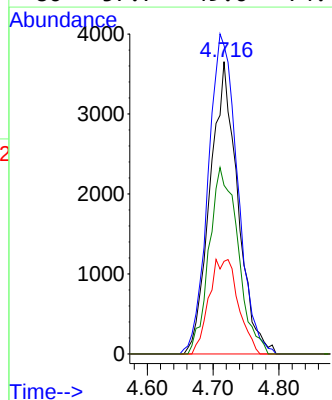
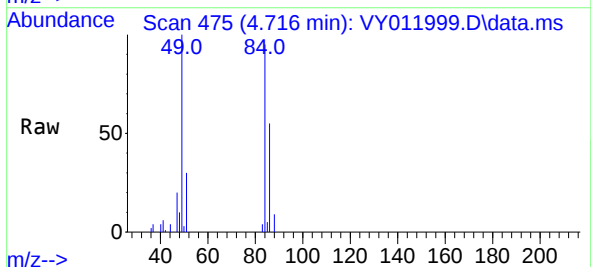
Instrument :
MSVOA_Y
ClientSampleId :

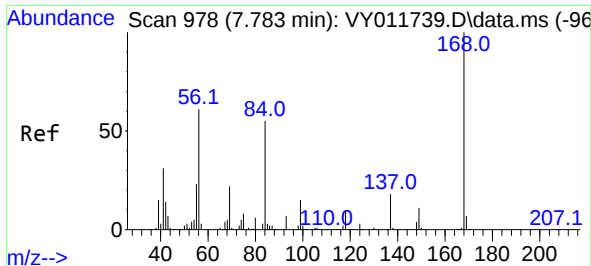
Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

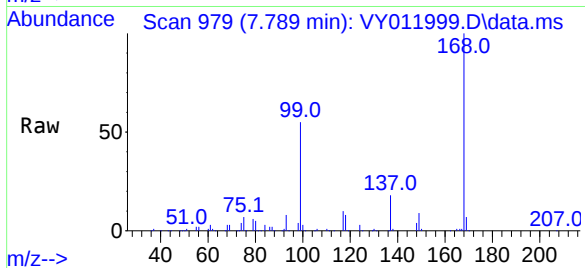
Tgt Ion: 84 Resp: 10686
Ion Ratio Lower Upper
84 100
49 105.6 95.4 143.2
51 31.7 29.9 44.9
86 57.7 49.6 74.4



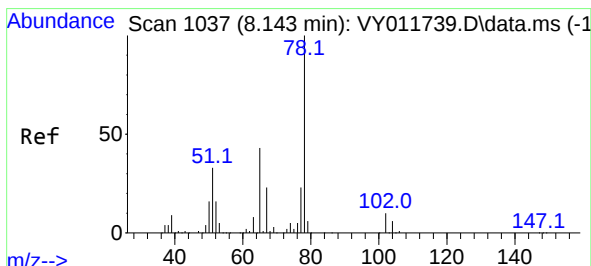
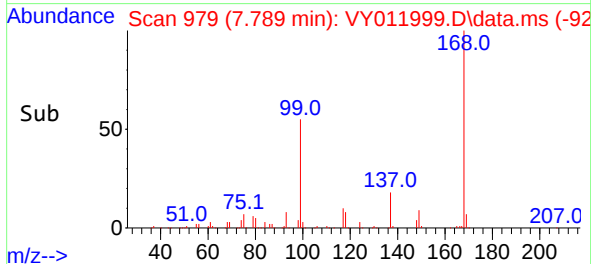
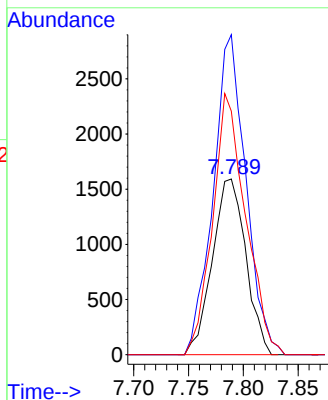


#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

Instrument :
MSVOA_Y
ClientSampleId :

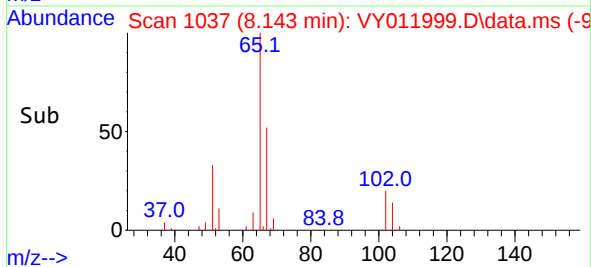
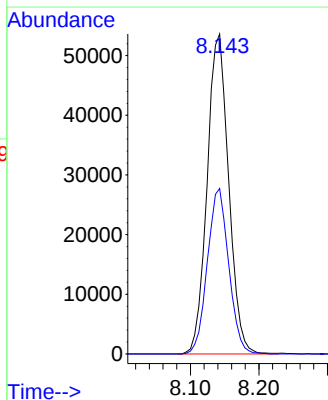
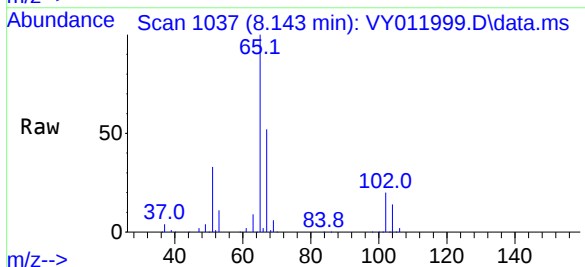


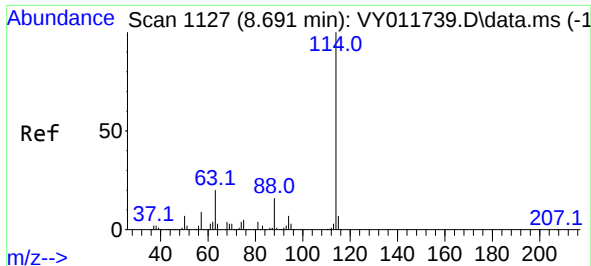
Tgt Ion: 56 Resp: 3386
Ion Ratio Lower Upper
56 100
69 182.2 29.2 43.8#
84 138.7 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 61.842 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

Tgt Ion: 65 Resp: 117028
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011999.D

Acq: 23 Dec 2022 15:48

Instrument :

MSVOA_Y

ClientSampleId :

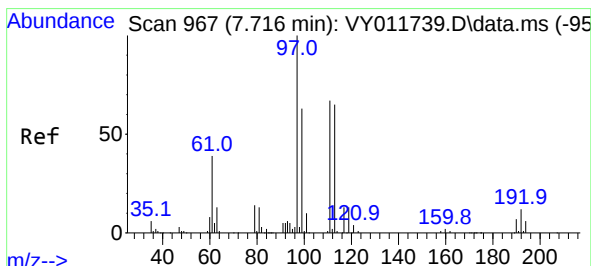
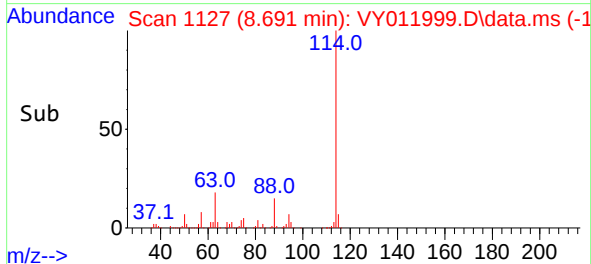
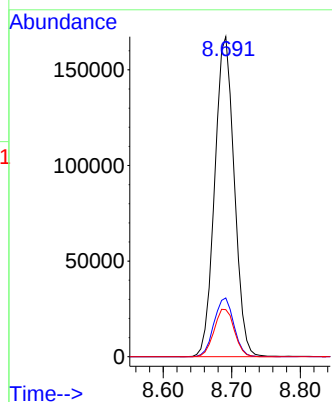
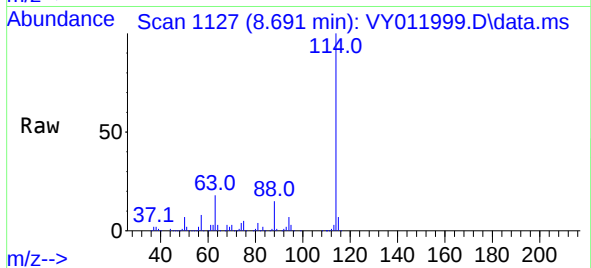
Tgt Ion:114 Resp: 330126

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 14.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.352 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011999.D

Acq: 23 Dec 2022 15:48

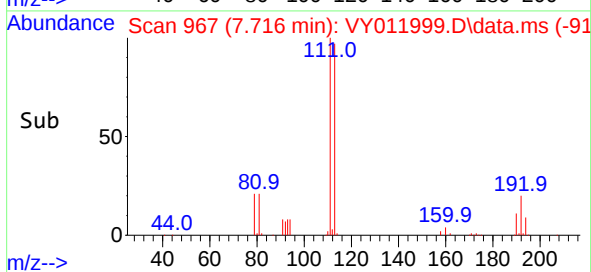
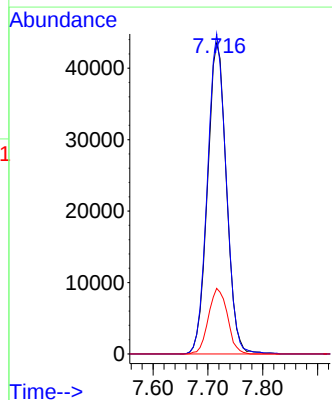
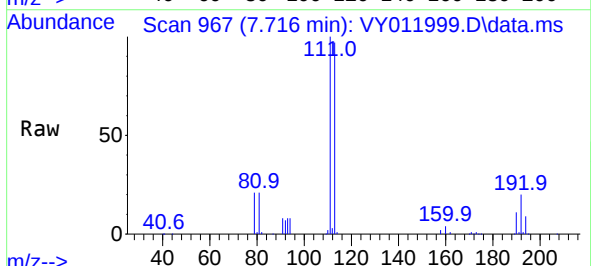
Tgt Ion:113 Resp: 104048

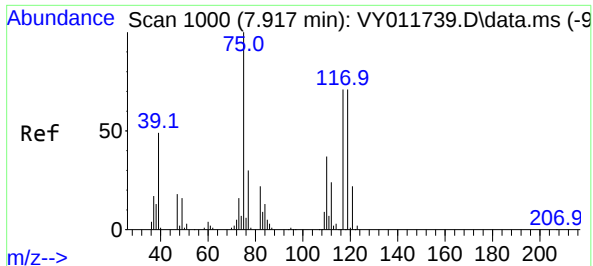
Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

192 21.2 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.217 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

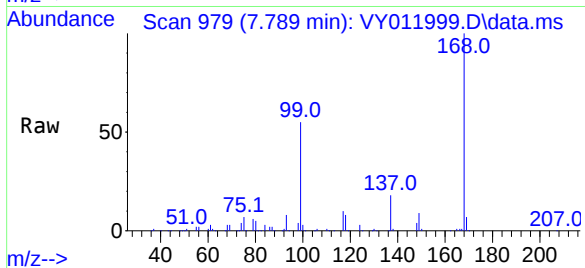
Lab File: VY011999.D

Acq: 23 Dec 2022 15:48

Instrument :

MSVOA_Y

ClientSampleId :



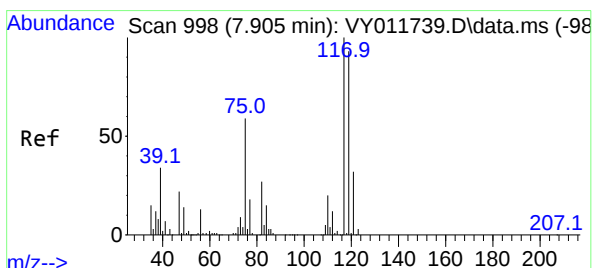
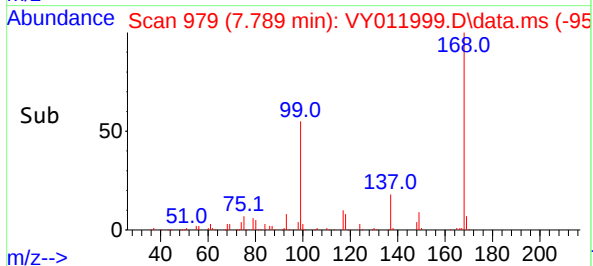
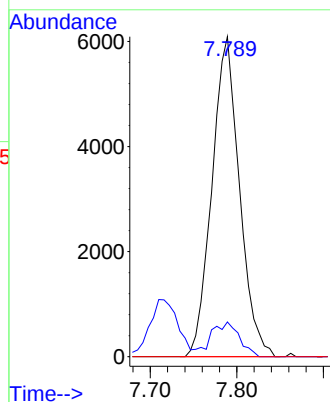
Tgt Ion: 75 Resp: 13443

Ion Ratio Lower Upper

75 100

110 11.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.177 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011999.D

Acq: 23 Dec 2022 15:48

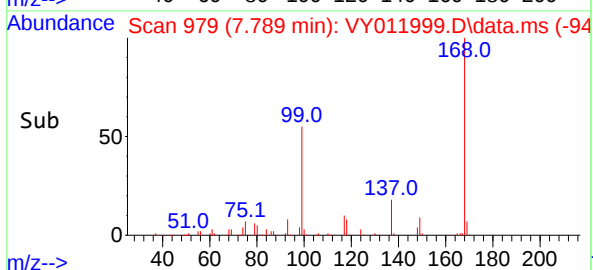
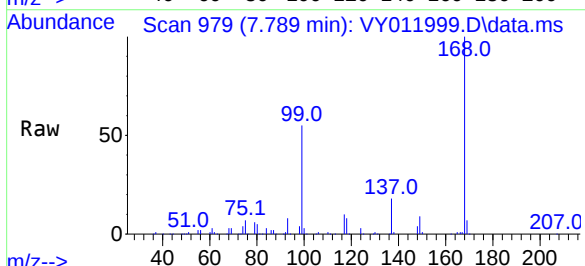
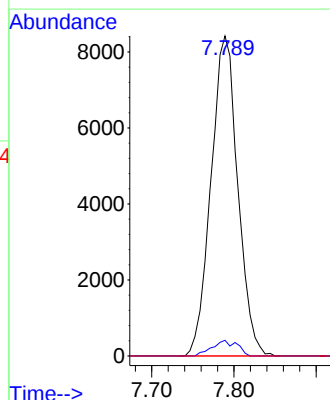
Tgt Ion: 117 Resp: 19061

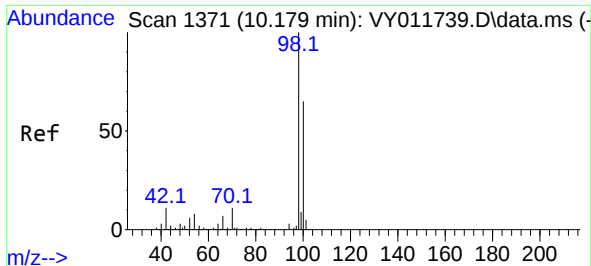
Ion Ratio Lower Upper

117 100

119 4.9 73.8 110.8#

121 0.0 25.2 37.8#

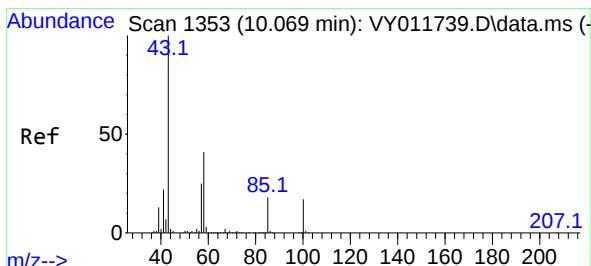
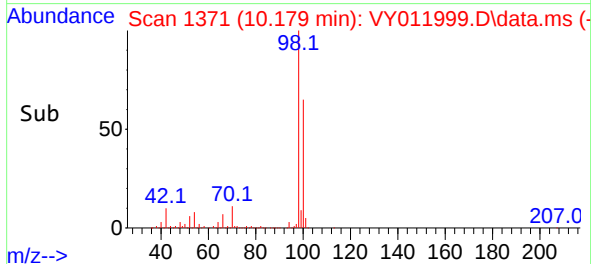
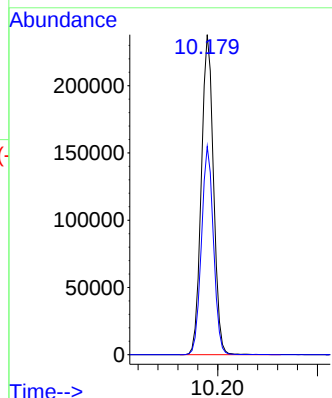
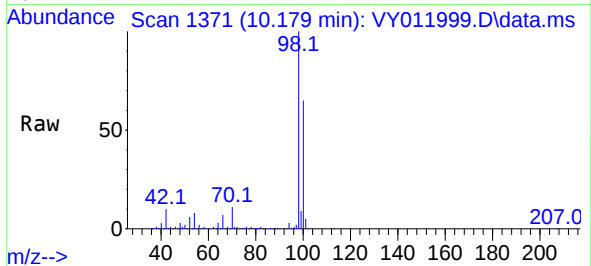




#50
Toluene-d8
Concen: 49.858 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

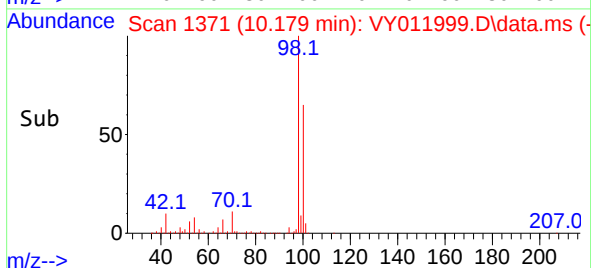
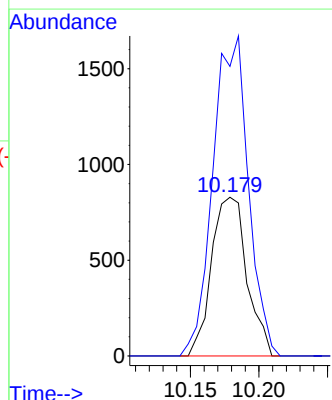
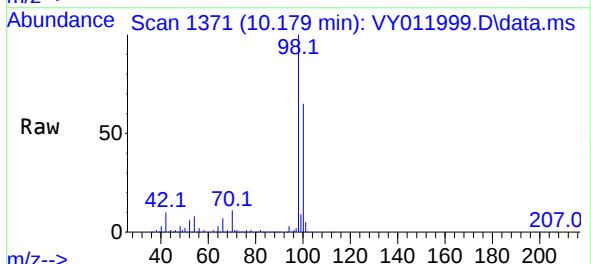
Instrument :
MSVOA_Y
ClientSampleId :

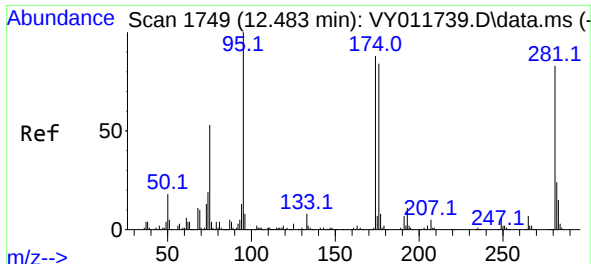
Tgt Ion: 98 Resp: 402034
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.069 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 201.5 32.9 49.3#

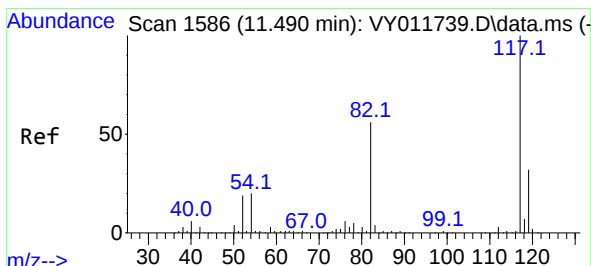
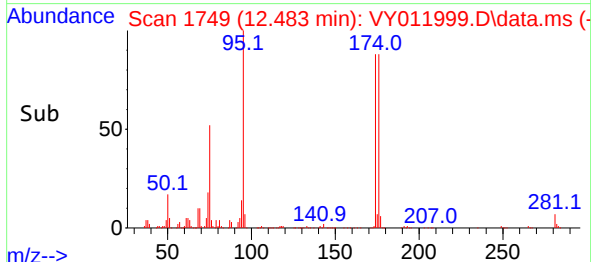
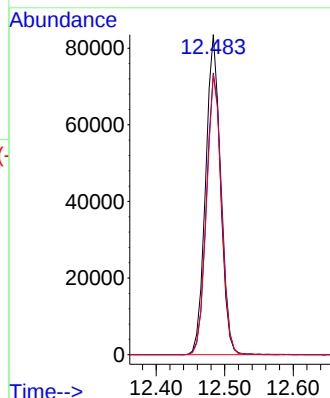
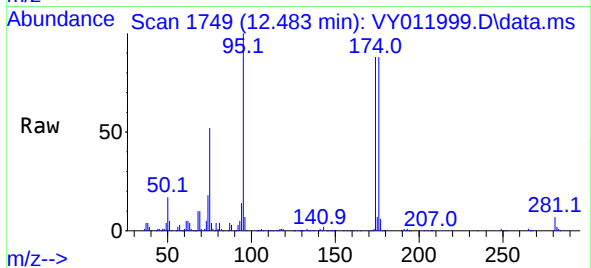




#62
4-Bromofluorobenzene
Concen: 46.247 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

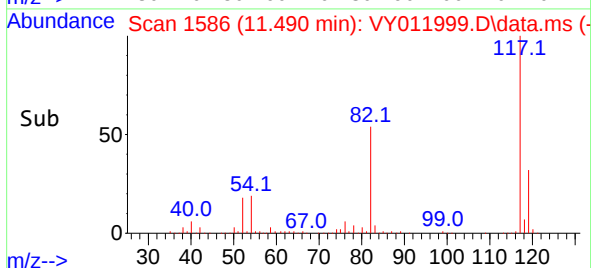
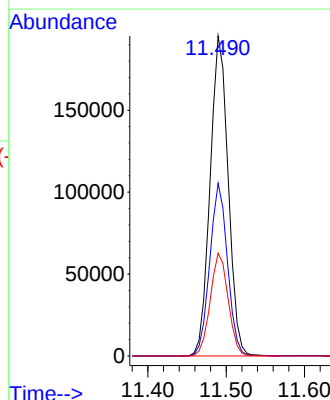
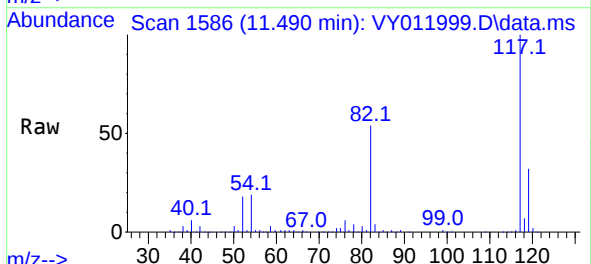
Instrument :
MSVOA_Y
ClientSampleId :

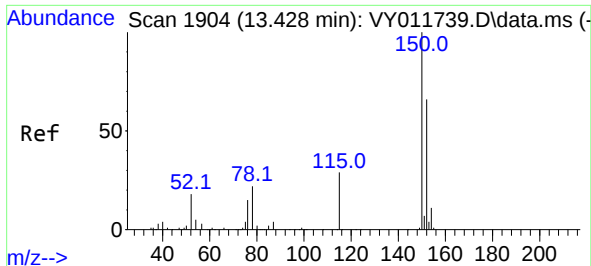
Tgt Ion: 95 Resp: 125420
Ion Ratio Lower Upper
95 100
174 90.7 0.0 172.0
176 87.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

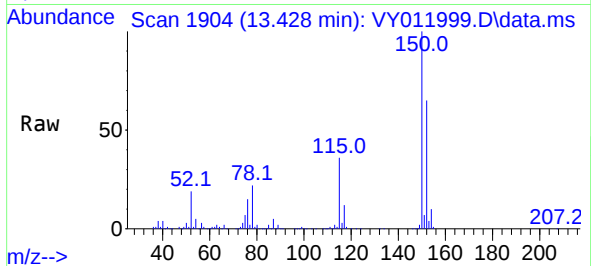
Tgt Ion: 117 Resp: 312918
Ion Ratio Lower Upper
117 100
82 54.0 44.8 67.2
119 32.1 25.4 38.2



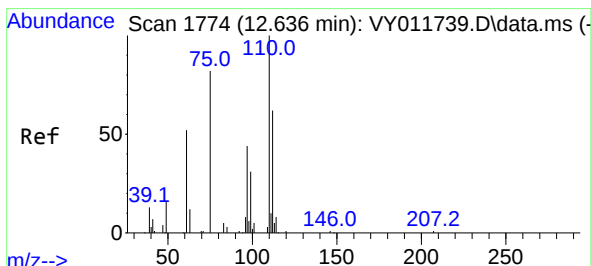
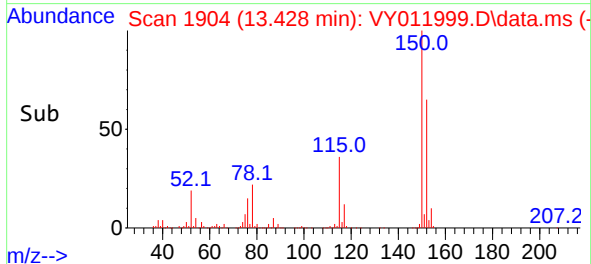
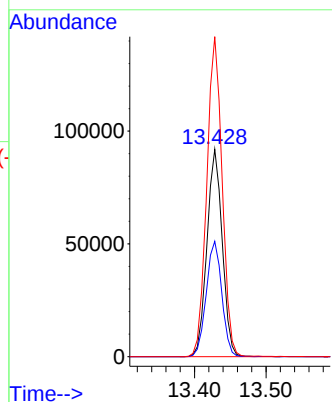


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011999.D
 Acq: 23 Dec 2022 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :

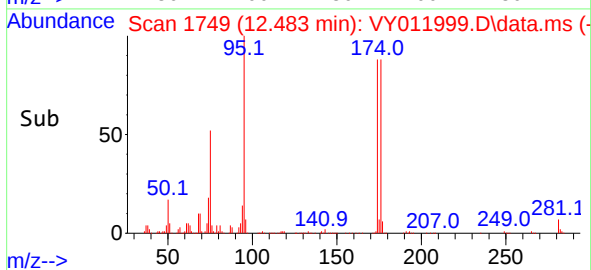
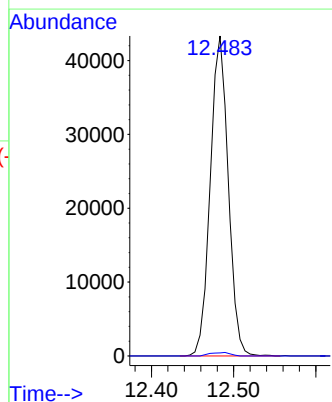
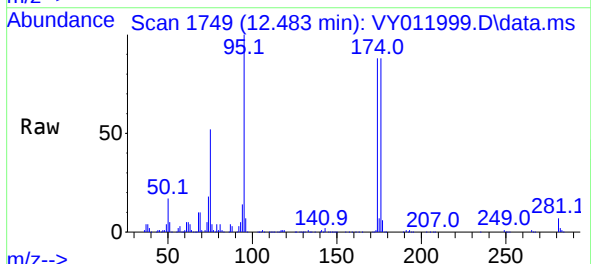


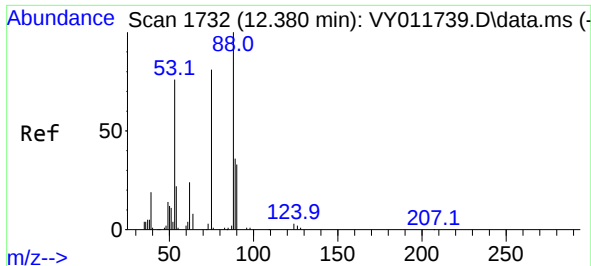
Tgt Ion:152 Resp: 136685
 Ion Ratio Lower Upper
 152 100
 115 56.6 29.1 87.3
 150 155.2 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 38.689 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011999.D
 Acq: 23 Dec 2022 15:48

Tgt Ion: 75 Resp: 65803
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

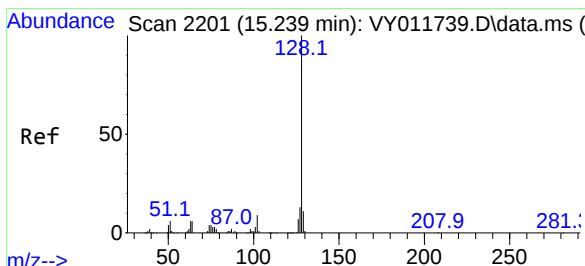
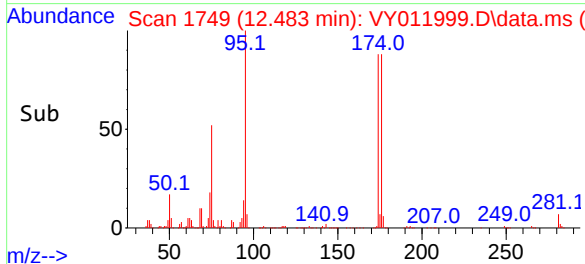
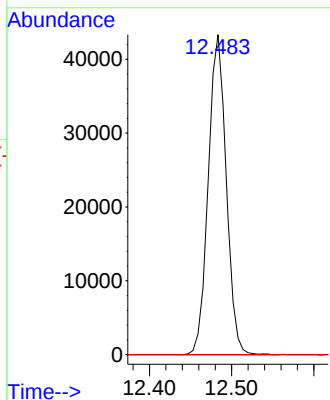
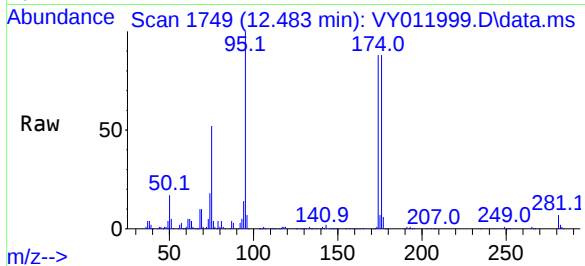




#81
trans-1,4-Dichloro-2-butene
Concen: 105.950 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 65803
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.811 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011999.D
Acq: 23 Dec 2022 15:48

Tgt Ion:128 Resp: 177
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

