

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY011997.D
 Acq On : 23 Dec 2022 15:01
 Operator : KP/MD
 Sample : N6190-02
 Misc : 7.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 22:25:31 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)

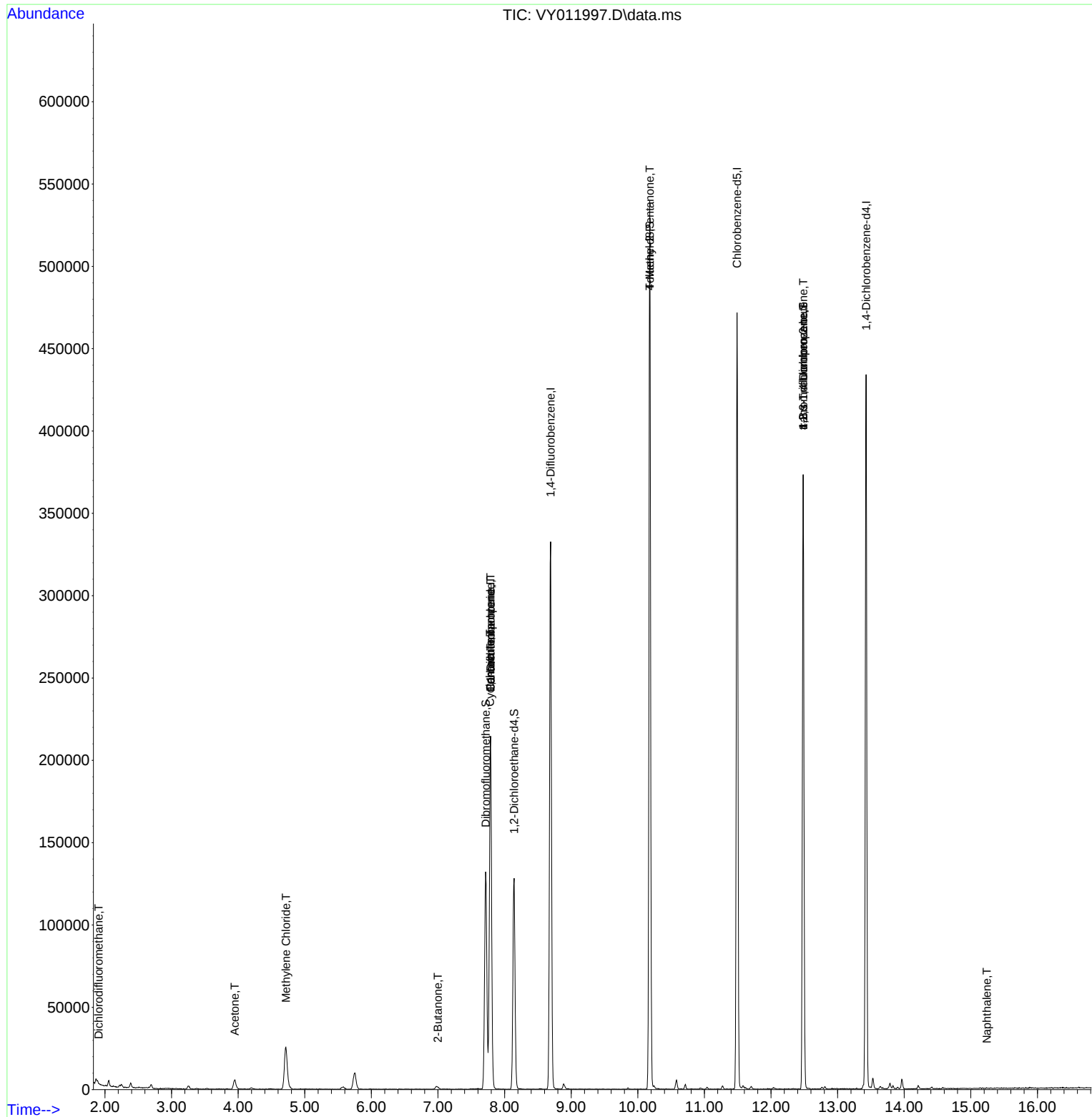
Internal Standards						
1) Pentafluorobenzene	7.789	168	167281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	268863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	103911	61.657	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.320%	
35) Dibromofluoromethane	7.716	113	91943	52.826	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.660%	
50) Toluene-d8	10.179	98	352194	49.875	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.740%	
62) 4-Bromofluorobenzene	12.483	95	107978	45.465	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.940%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	46	2.500	ug/l #	41
11) Tert butyl alcohol	4.942	59	115	Below Cal	#	74
16) Acetone	3.948	43	10135	24.624	ug/l	97
20) Methylene Chloride	4.716	84	20670	5.268	ug/l	94
25) 2-Butanone	6.996	43	2262	4.029	ug/l #	82
31) Cyclohexane	7.783	56	3190	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11870	4.252	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17175	5.327	ug/l #	18
51) 4-Methyl-2-Pentanone	10.179	43	1288	1.056	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	56317	39.079	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56317	107.017	ug/l #	13
95) Naphthalene	15.239	128	55	2.790	ug/l #	69

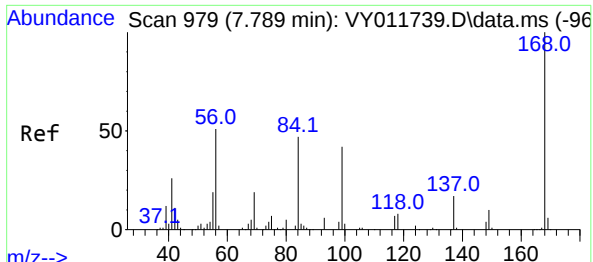
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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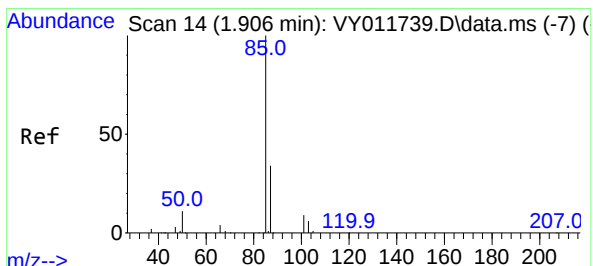
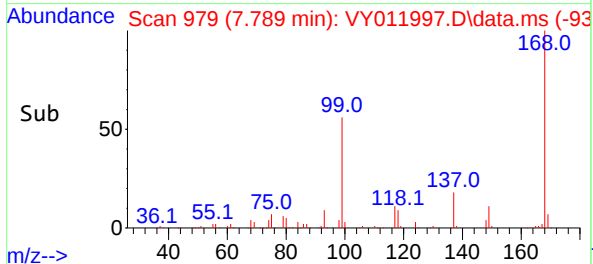
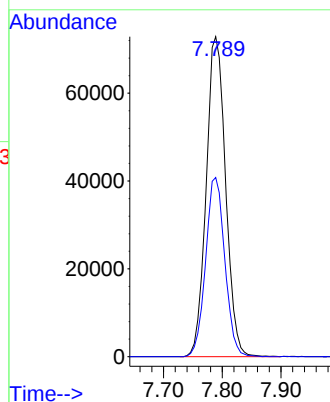
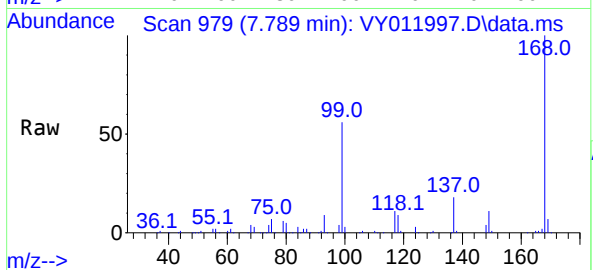




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

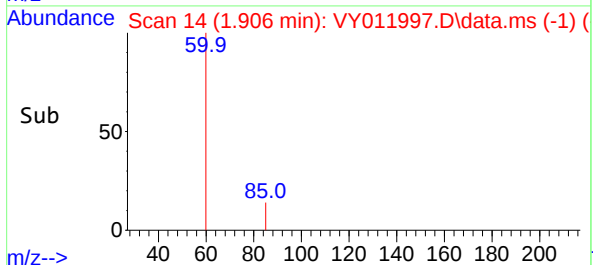
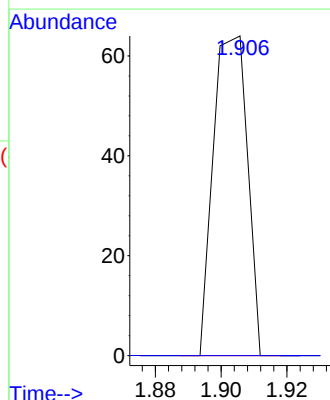
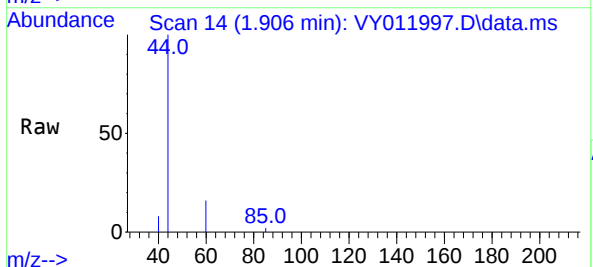
Instrument :
MSVOA_Y
ClientSampleId :

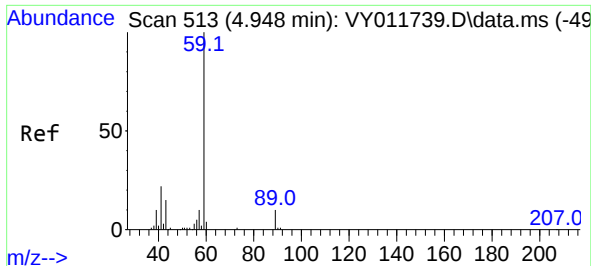
Tgt Ion:168 Resp: 167281
Ion Ratio Lower Upper
168 100
99 56.0 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.500 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

Tgt Ion: 85 Resp: 46
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

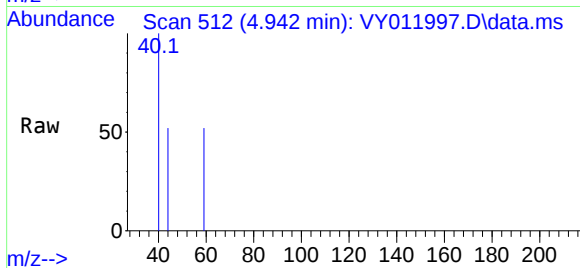
Lab File: VY011997.D

Acq: 23 Dec 2022 15:01

Instrument :

MSVOA_Y

ClientSampleId :

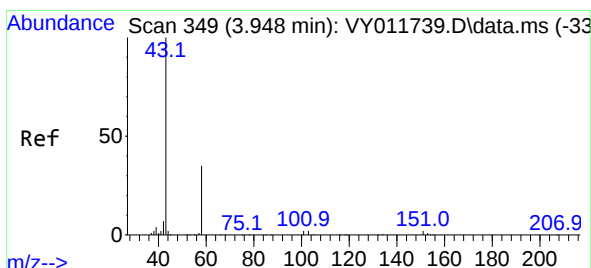
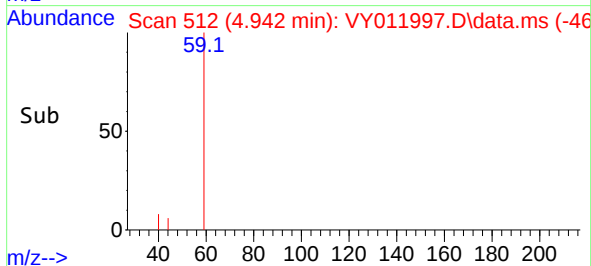
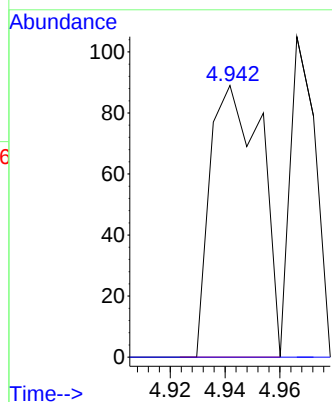


Tgt Ion: 59 Resp: 115

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 24.624 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011997.D

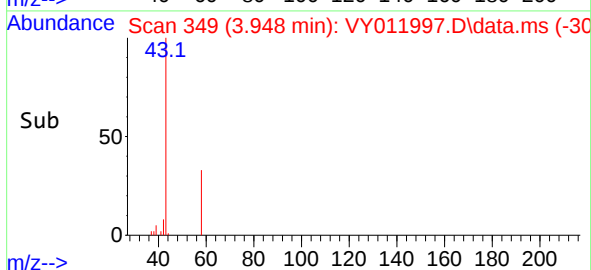
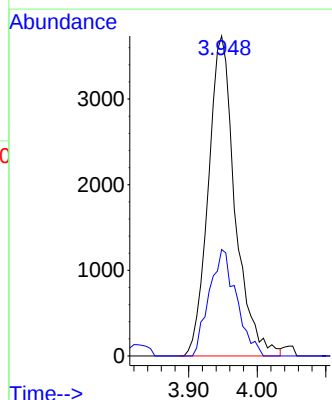
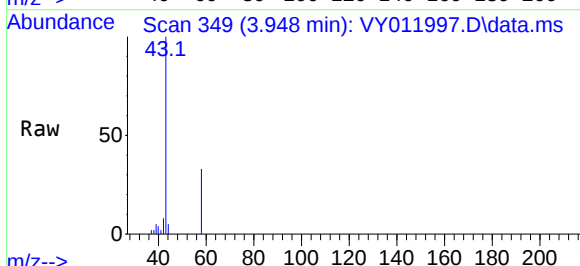
Acq: 23 Dec 2022 15:01

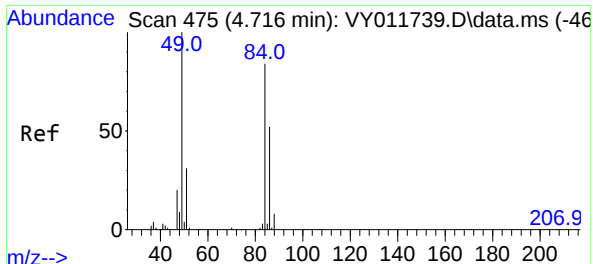
Tgt Ion: 43 Resp: 10135

Ion Ratio Lower Upper

43 100

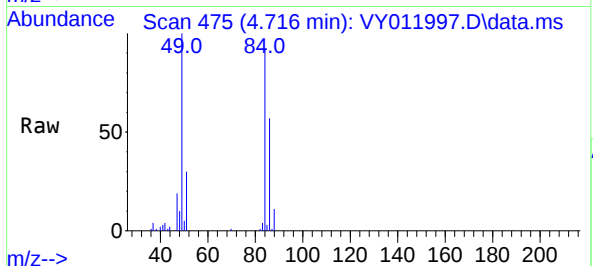
58 33.3 27.9 41.9



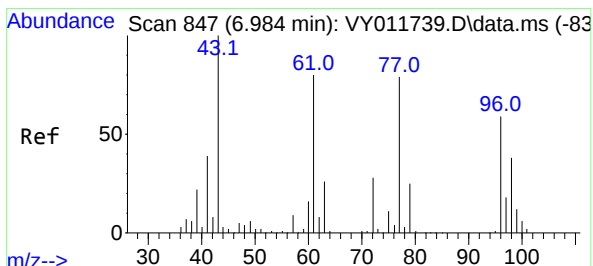
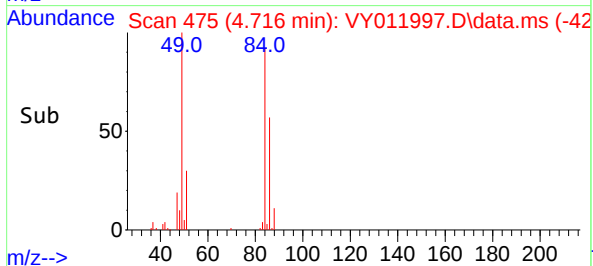
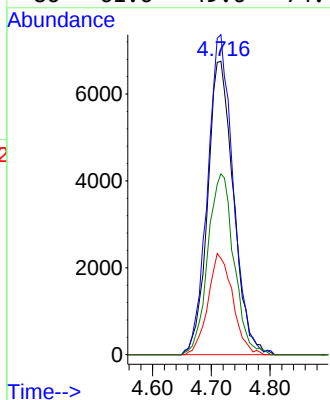


#20
Methylene Chloride
Concen: 5.268 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :

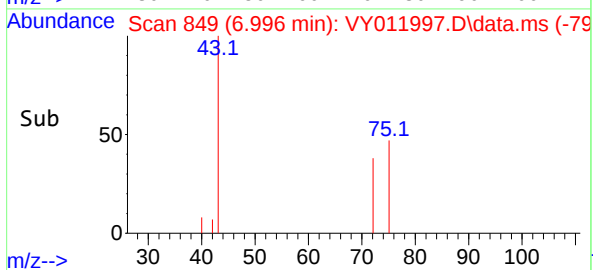
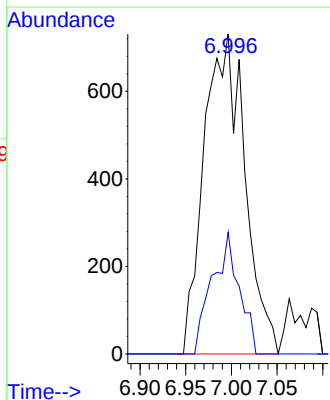
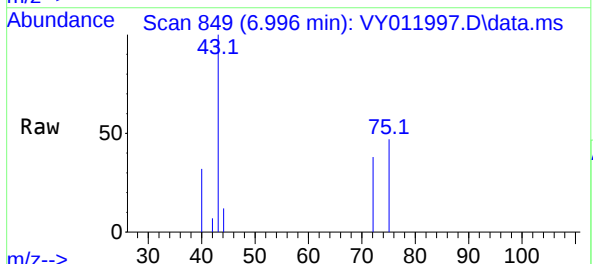


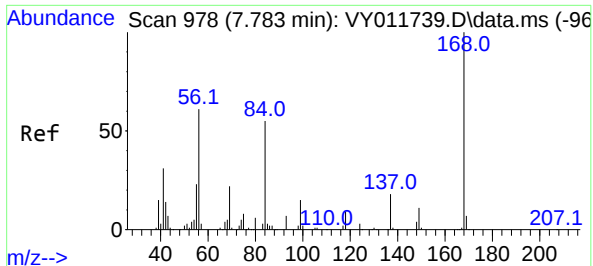
Tgt Ion: 84 Resp: 20670
Ion Ratio Lower Upper
84 100
49 109.1 95.4 143.2
51 32.9 29.9 44.9
86 61.6 49.6 74.4



#25
2-Butanone
Concen: 4.029 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

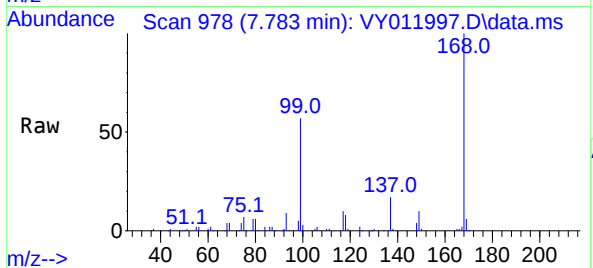
Tgt Ion: 43 Resp: 2262
Ion Ratio Lower Upper
43 100
72 38.0 22.6 34.0#



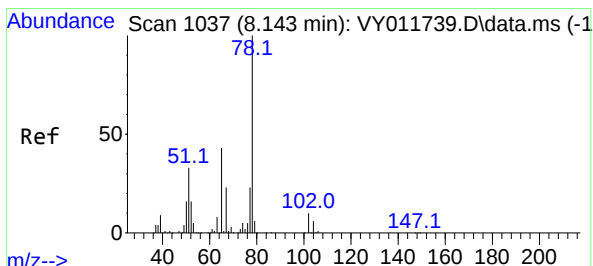
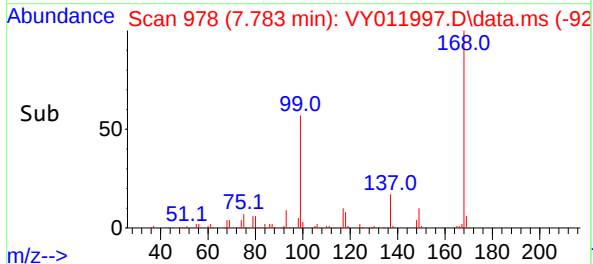
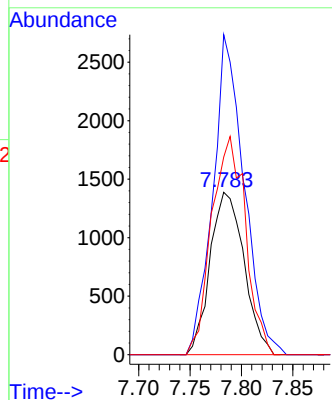


#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :

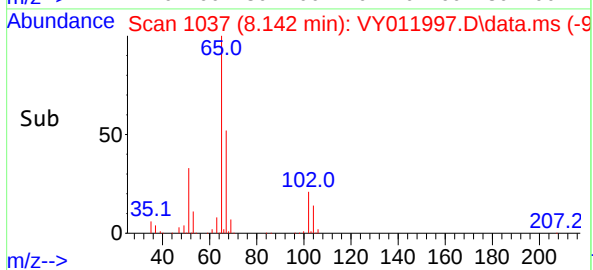
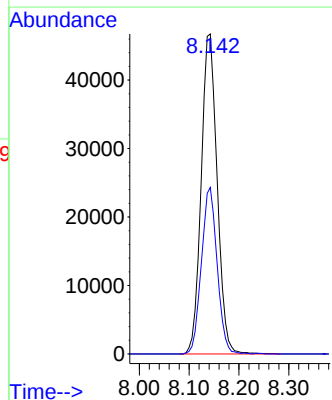
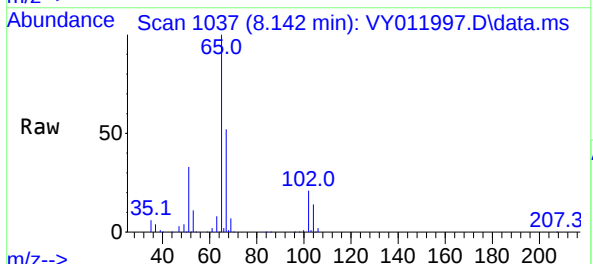


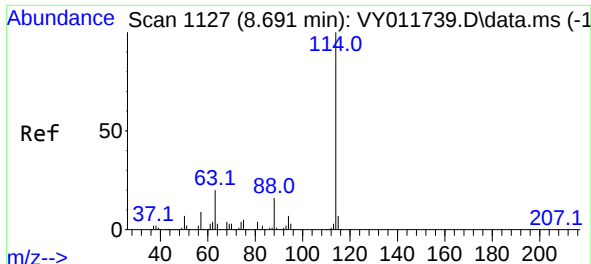
Tgt Ion: 56 Resp: 3190
Ion Ratio Lower Upper
56 100
69 197.0 29.2 43.8#
84 121.7 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 61.657 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

Tgt Ion: 65 Resp: 103911
Ion Ratio Lower Upper
65 100
67 51.1 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: VY011997.D

Acq: 23 Dec 2022 15:01

Instrument :

MSVOA_Y

ClientSampleId :

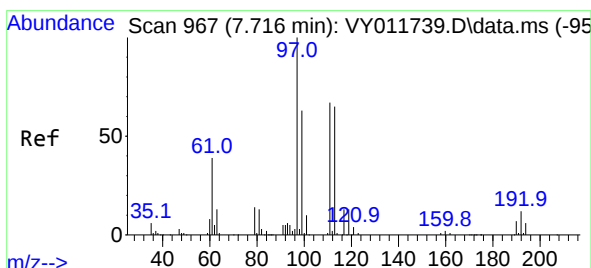
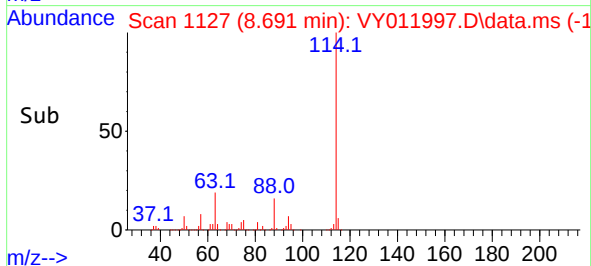
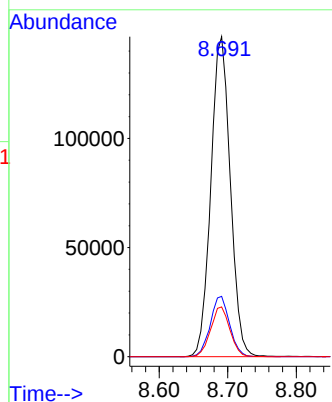
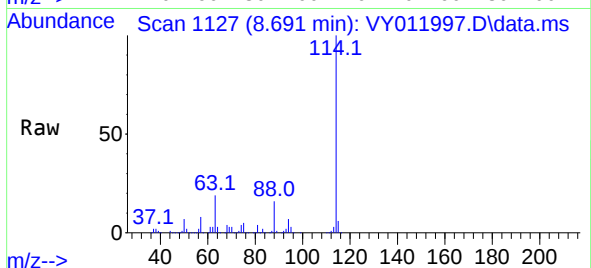
Tgt Ion:114 Resp: 289103

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.826 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011997.D

Acq: 23 Dec 2022 15:01

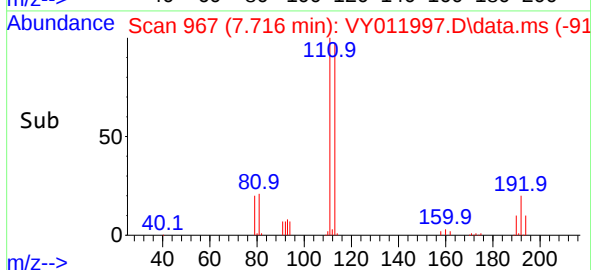
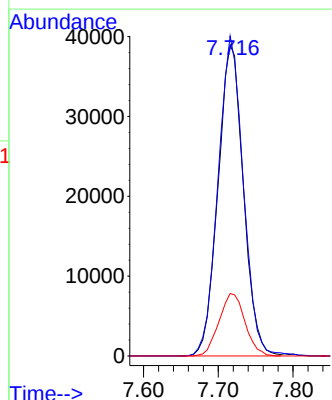
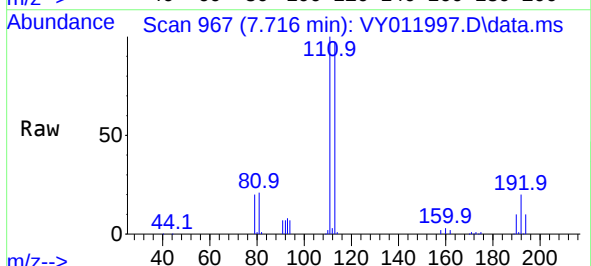
Tgt Ion:113 Resp: 91943

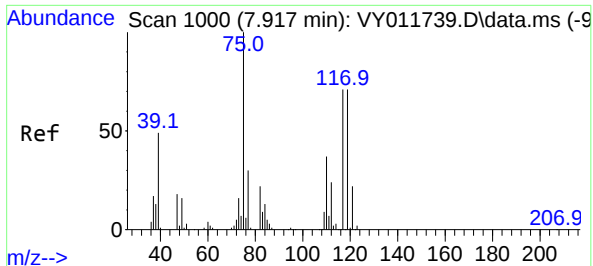
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 20.6 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.252 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

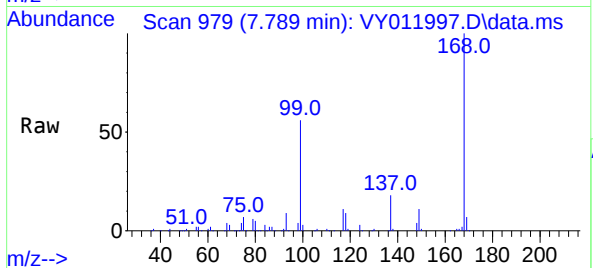
Lab File: VY011997.D

Acq: 23 Dec 2022 15:01

Instrument :

MSVOA_Y

ClientSampleId :



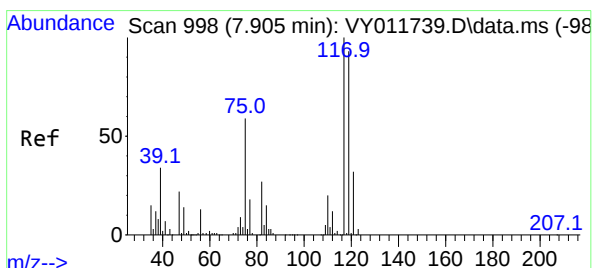
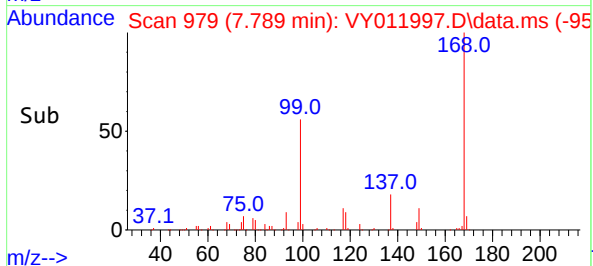
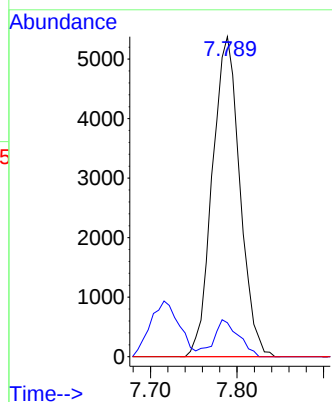
Tgt Ion: 75 Resp: 11870

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.327 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011997.D

Acq: 23 Dec 2022 15:01

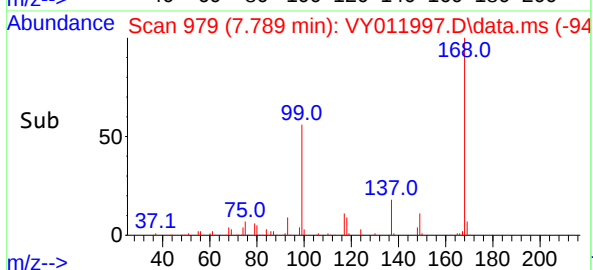
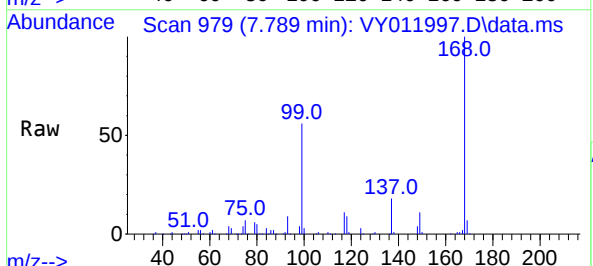
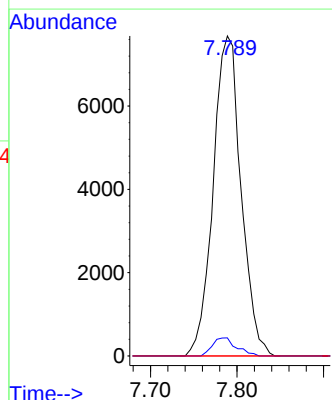
Tgt Ion: 117 Resp: 17175

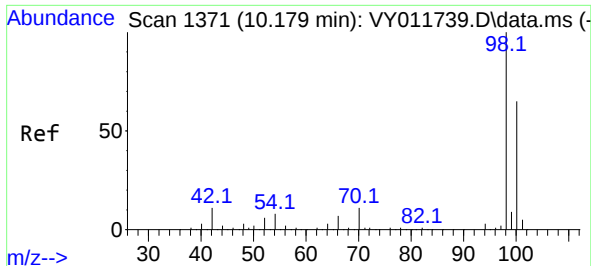
Ion Ratio Lower Upper

117 100

119 5.6 73.8 110.8#

121 0.0 25.2 37.8#

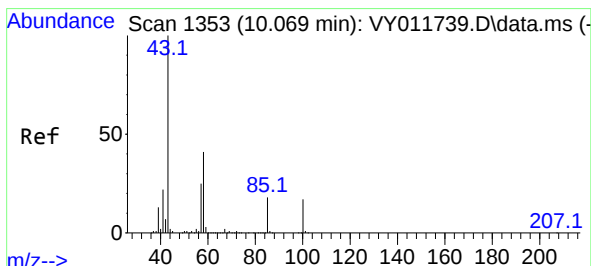
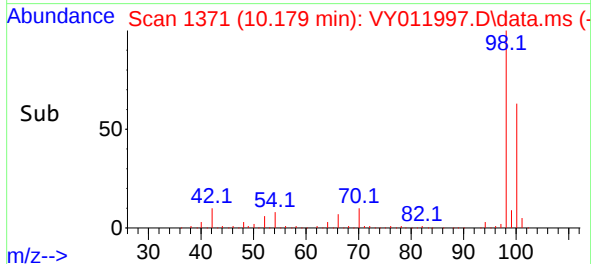
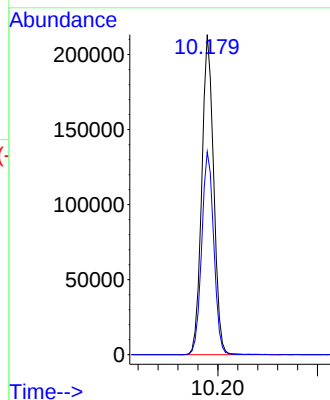
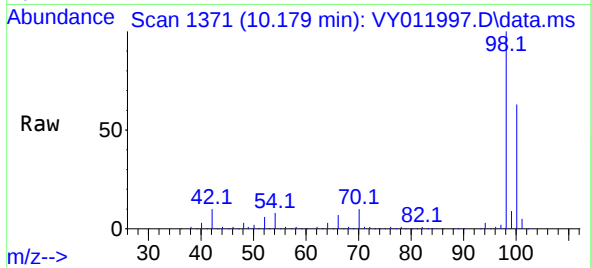




#50
Toluene-d8
Concen: 49.875 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

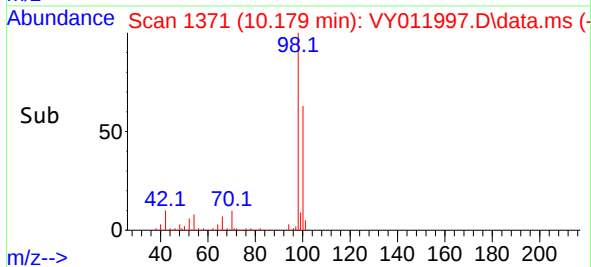
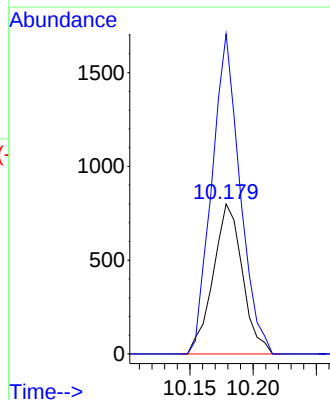
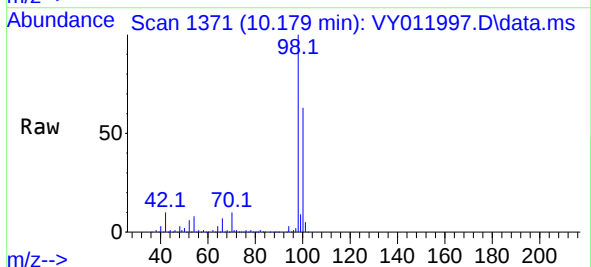
Instrument :
MSVOA_Y
ClientSampleId :

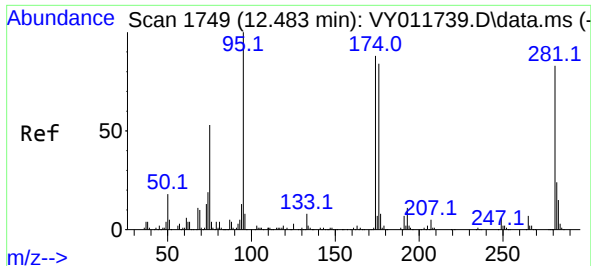
Tgt Ion: 98 Resp: 352194
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.056 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

Tgt Ion: 43 Resp: 1288
Ion Ratio Lower Upper
43 100
58 204.5 32.9 49.3#

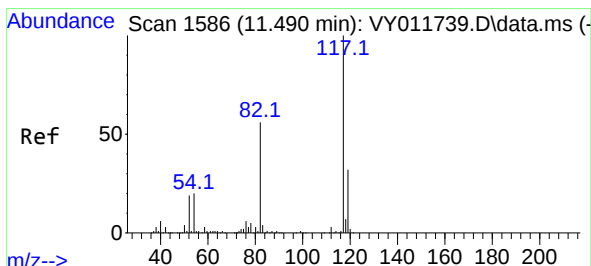
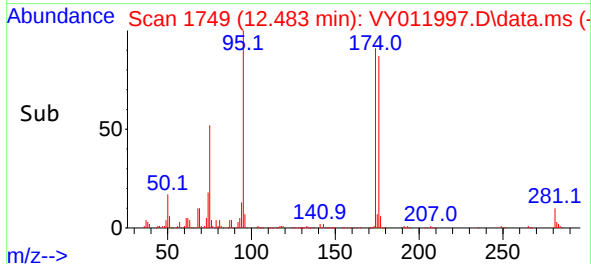
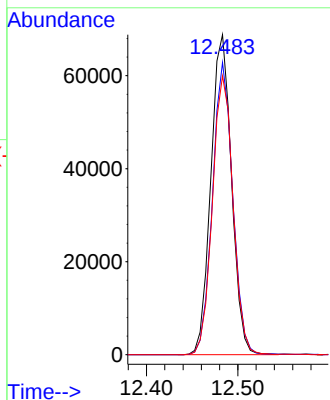
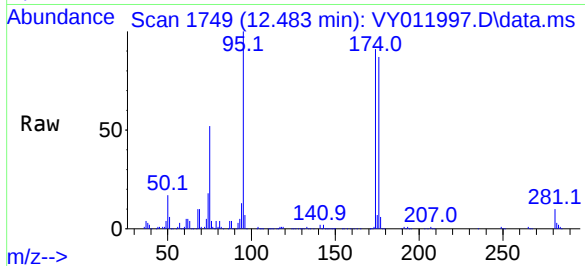




#62
4-Bromofluorobenzene
Concen: 45.465 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

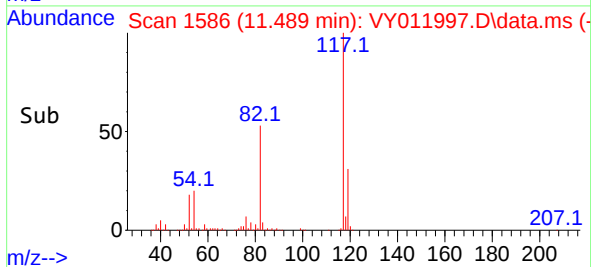
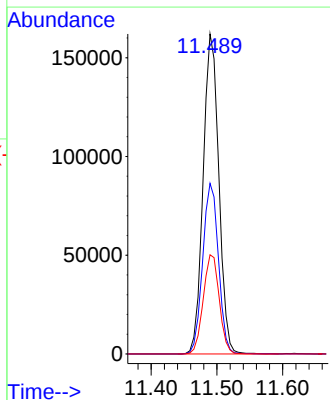
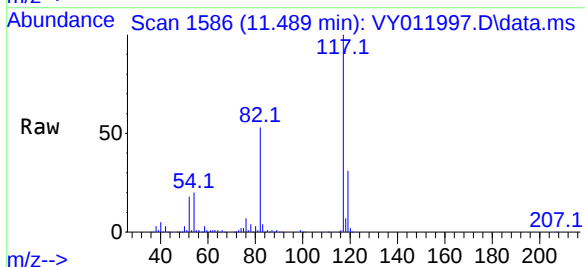
Instrument :
MSVOA_Y
ClientSampleId :

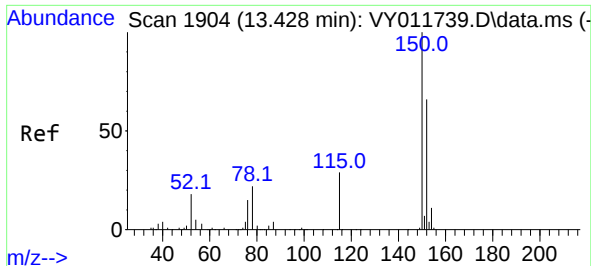
Tgt Ion: 95 Resp: 107978
Ion Ratio Lower Upper
95 100
174 89.4 0.0 172.0
176 87.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

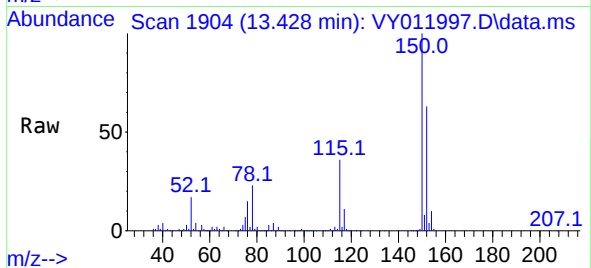
Tgt Ion:117 Resp: 268863
Ion Ratio Lower Upper
117 100
82 53.3 44.8 67.2
119 31.0 25.4 38.2



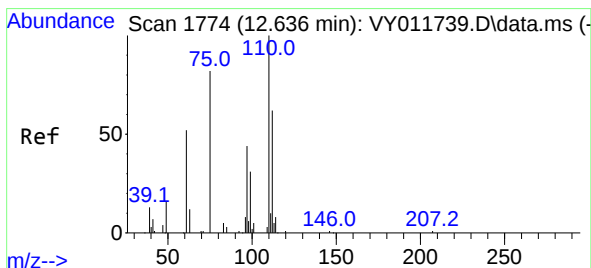
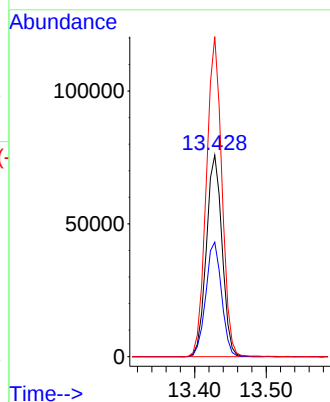
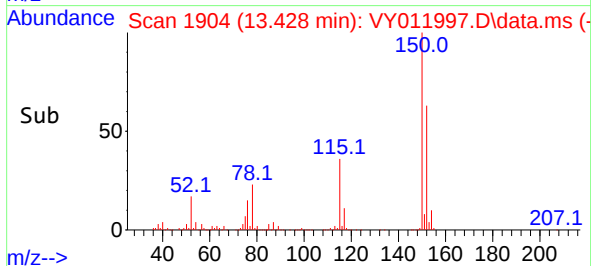


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :

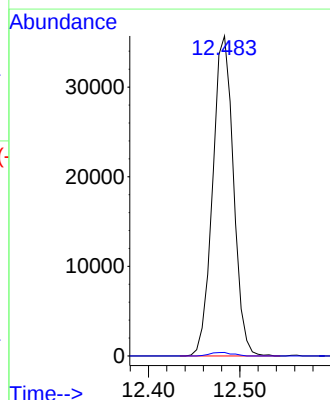
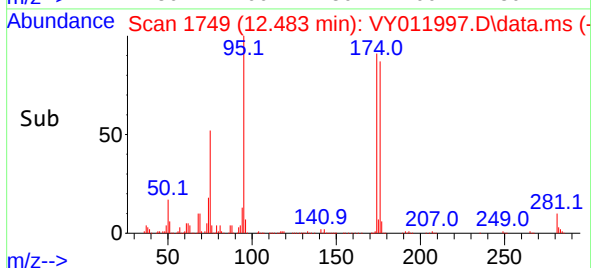
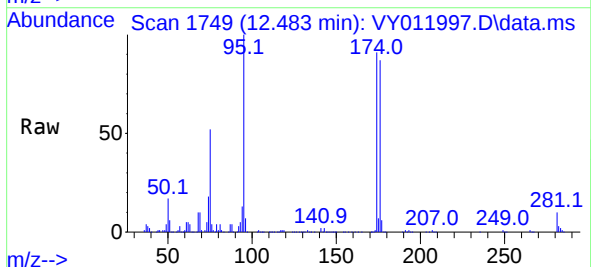


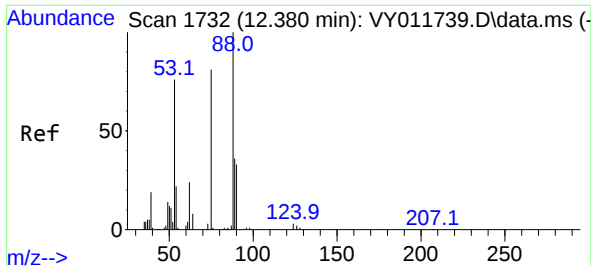
Tgt Ion:152 Resp: 115814
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.3
150 157.0 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 39.079 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

Tgt Ion: 75 Resp: 56317
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

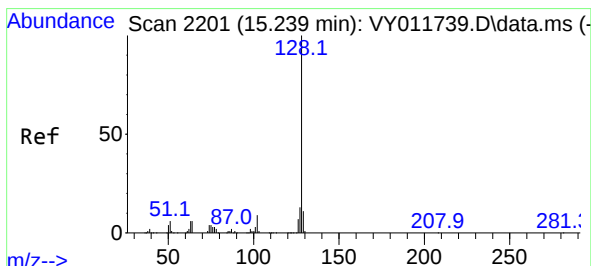
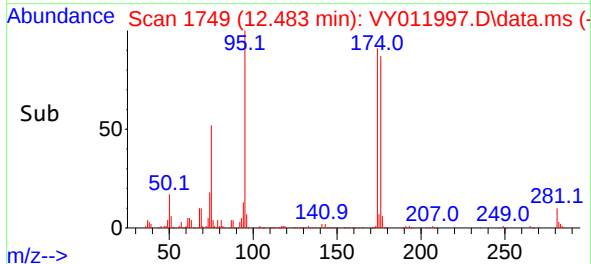
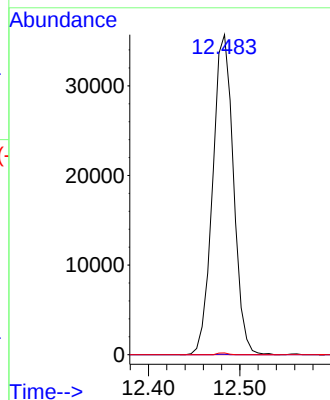
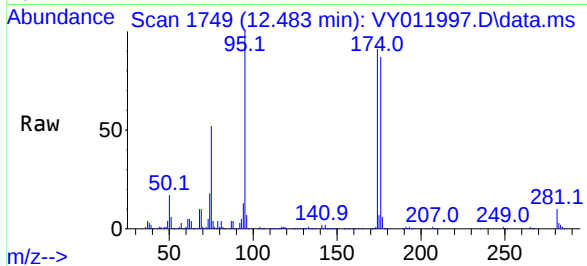




#81
trans-1,4-Dichloro-2-butene
Concen: 107.017 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 56317
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.3 37.0 55.4#



#95
Naphthalene
Concen: 2.790 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011997.D
Acq: 23 Dec 2022 15:01

Tgt Ion:128 Resp: 55
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

