

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY011998.D
 Acq On : 23 Dec 2022 15:25
 Operator : KP/MD
 Sample : N6190-03
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 22:25:40 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)

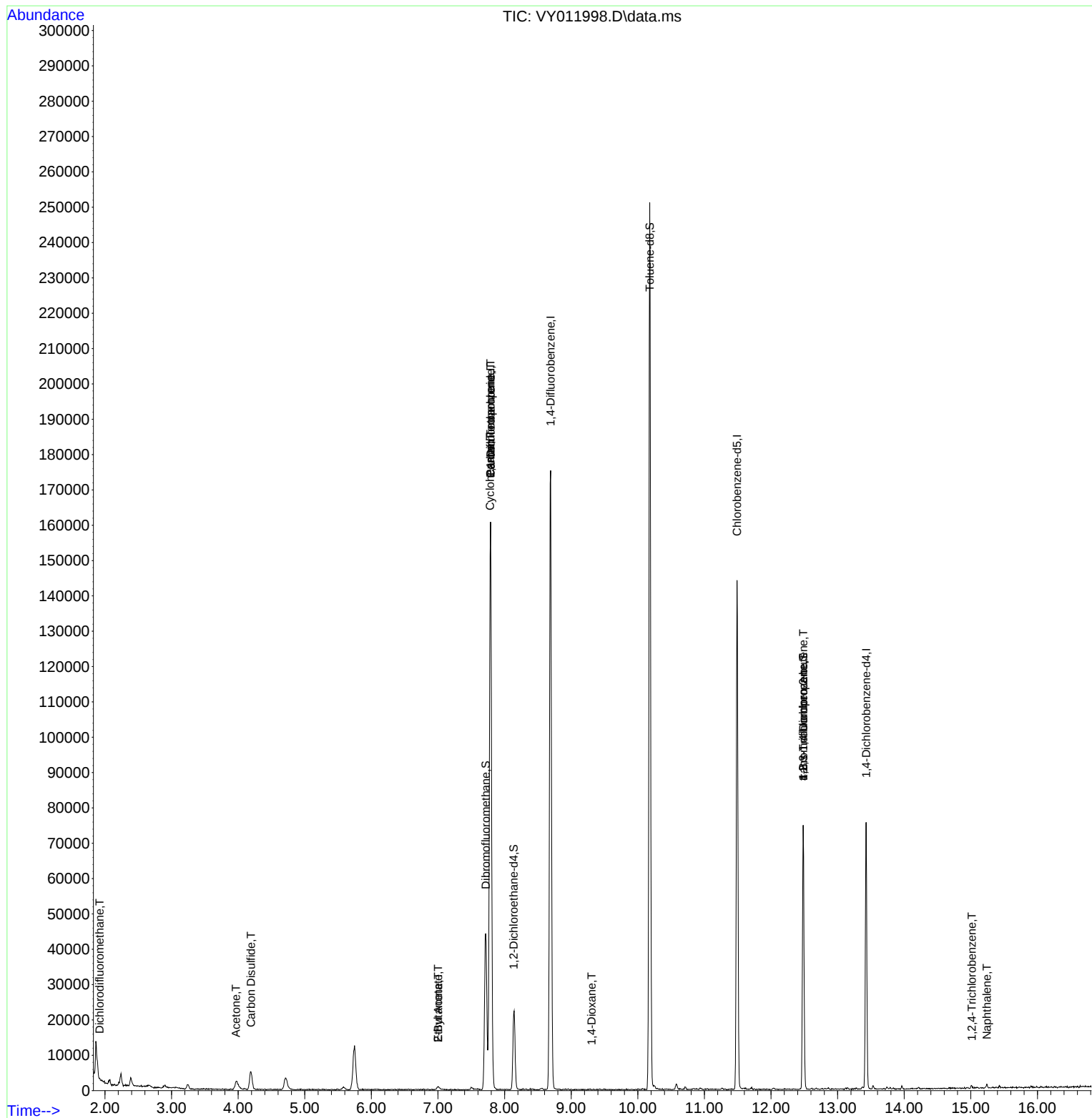
Internal Standards						
1) Pentafluorobenzene	7.789	168	126909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	155867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	82388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	18952	14.823	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	29.640%#
35) Dibromofluoromethane	7.716	113	32761	34.913	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	69.820%
50) Toluene-d8	10.179	98	166895	43.837	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.680%
62) 4-Bromofluorobenzene	12.483	95	22350	17.455	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	34.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	19	2.485	ug/l #	41
16) Acetone	3.966	43	5511	19.030	ug/l	94
17) Carbon Disulfide	4.192	76	10867	2.837	ug/l	97
20) Methylene Chloride	4.710	84	2732	Below Cal		94
25) 2-Butanone	7.002	43	1345	3.158	ug/l	93
31) Cyclohexane	7.783	56	2426	1.127	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	8697	5.778	ug/l #	50
37) Ethyl Acetate	7.002	43	1345	1.992	ug/l #	73
38) Carbon Tetrachloride	7.789	117	12637	7.270	ug/l #	16
49) 1,4-Dioxane	9.307	88	22	3.214	ug/l #	24
76) 1,2,3-Trichloropropane	12.483	75	11390	44.525	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	11390	121.932	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.013	180	377	1.036	ug/l	72
95) Naphthalene	15.239	128	1220	4.300	ug/l #	85

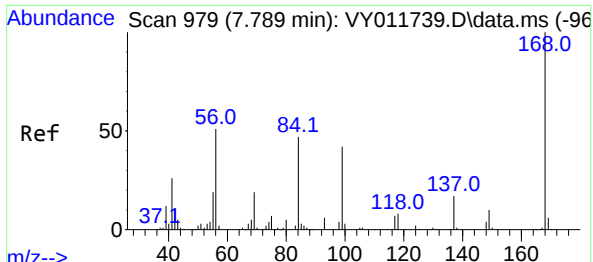
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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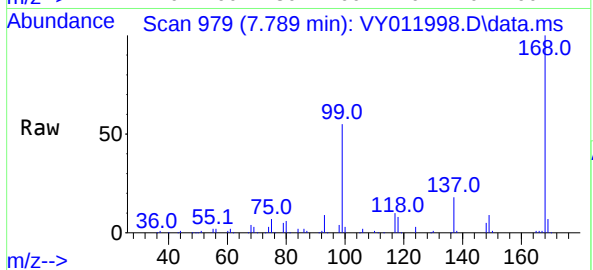
Quant Time: Dec 23 22:25:40 2022
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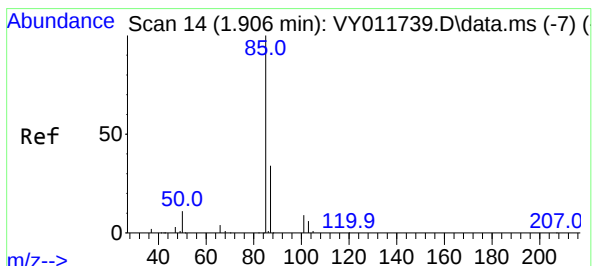
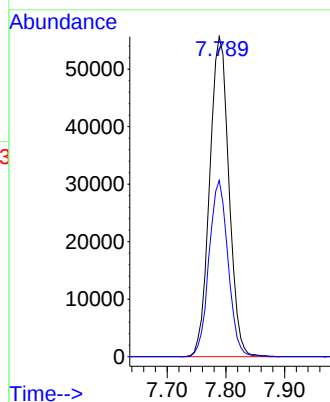
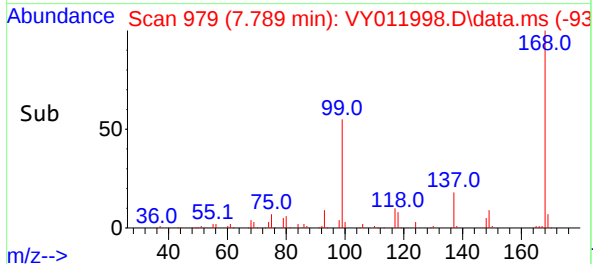


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

Instrument :
MSVOA_Y
ClientSampleId :

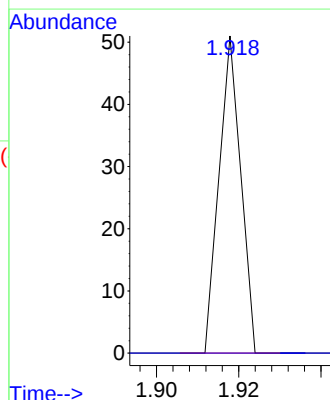
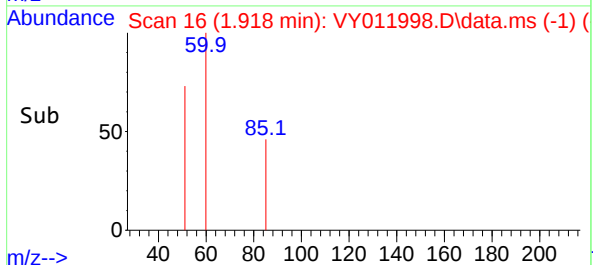
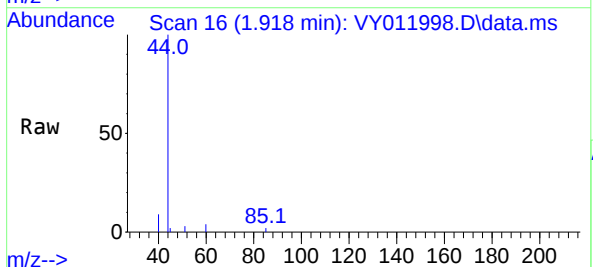


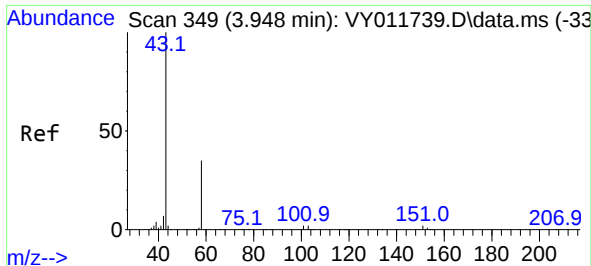
Tgt Ion:168 Resp: 126909
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.485 ug/l
RT: 1.918 min Scan# 16
Delta R.T. 0.012 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

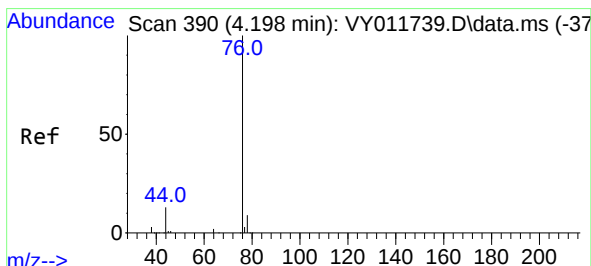
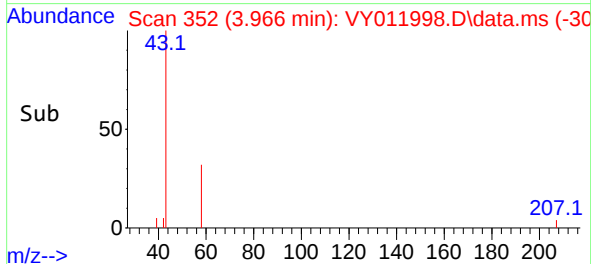
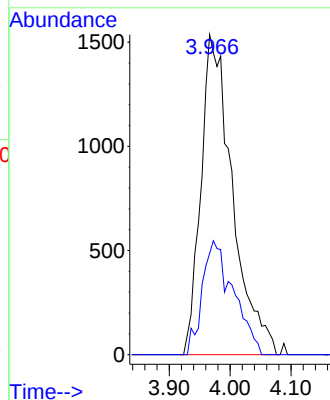
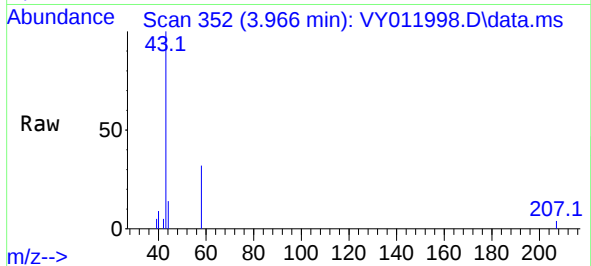




#16
Acetone
Concen: 19.030 ug/l
RT: 3.966 min Scan# 311
Delta R.T. 0.018 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

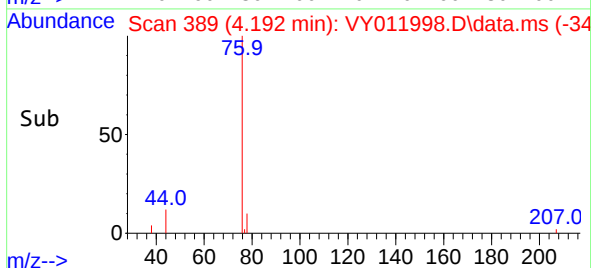
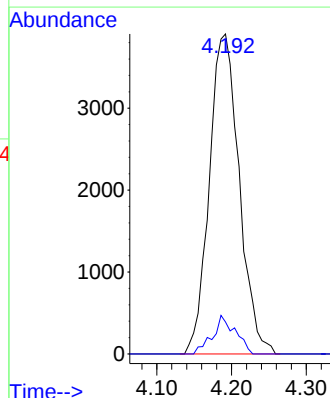
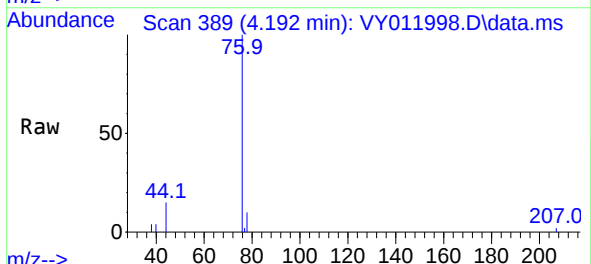
Instrument :
MSVOA_Y
ClientSampleId :

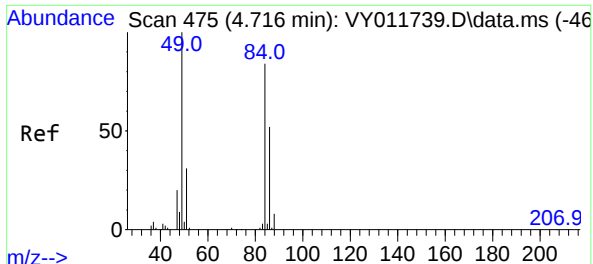
Tgt Ion: 43 Resp: 5511
Ion Ratio Lower Upper
43 100
58 31.6 27.9 41.9



#17
Carbon Disulfide
Concen: 2.837 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.006 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

Tgt Ion: 76 Resp: 10867
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

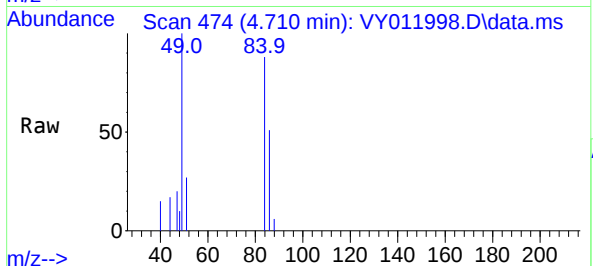
Lab File: VY011998.D

Acq: 23 Dec 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 2732

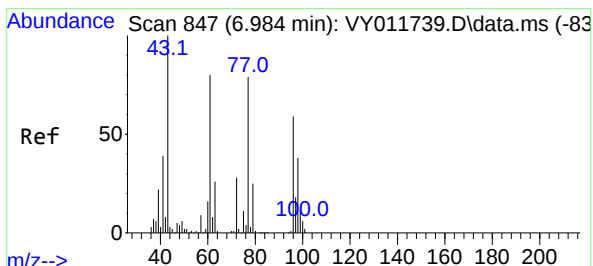
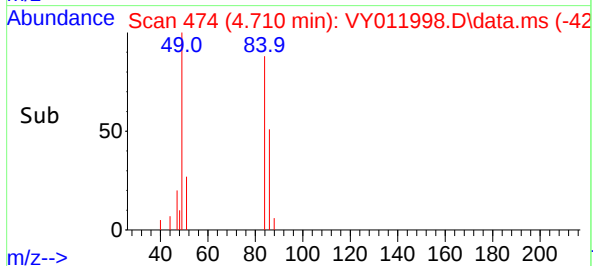
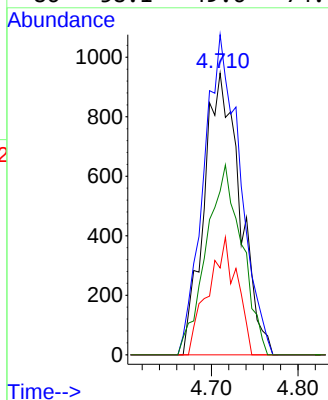
Ion Ratio Lower Upper

84 100

49 113.6 95.4 143.2

51 30.8 29.9 44.9

86 58.1 49.6 74.4



#25

2-Butanone

Concen: 3.158 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.018 min

Lab File: VY011998.D

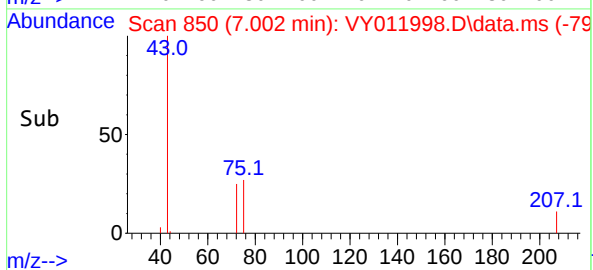
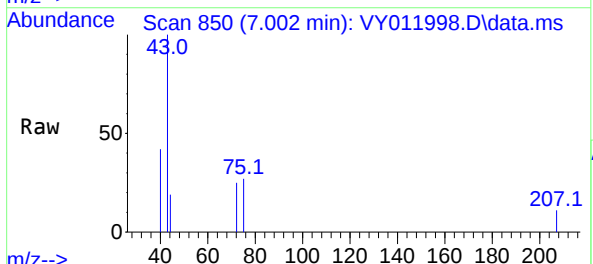
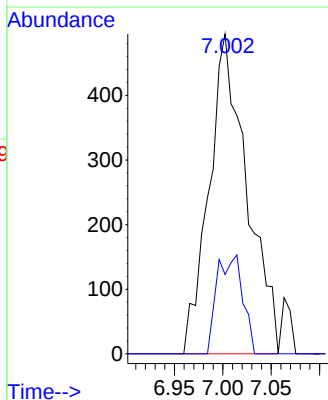
Acq: 23 Dec 2022 15:25

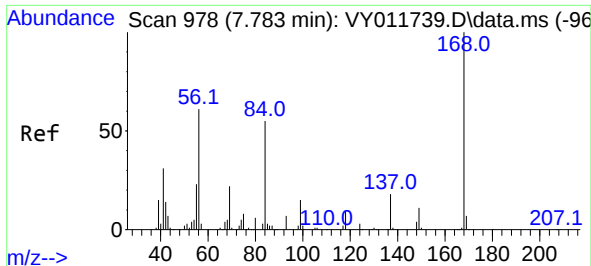
Tgt Ion: 43 Resp: 1345

Ion Ratio Lower Upper

43 100

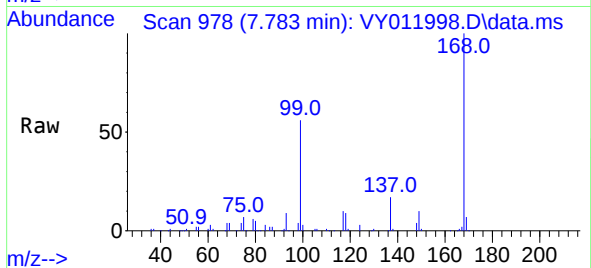
72 24.8 22.6 34.0



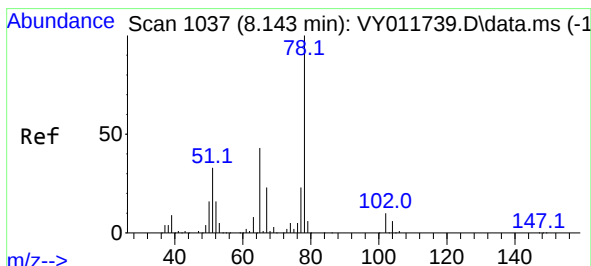
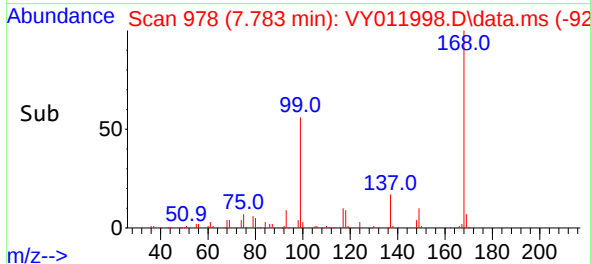
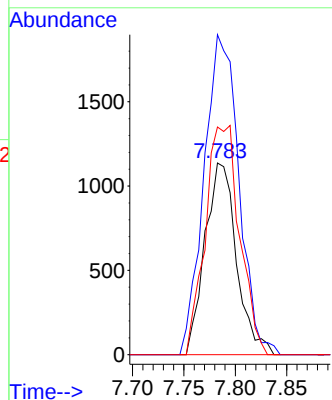


#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

Instrument :
MSVOA_Y
ClientSampleId :

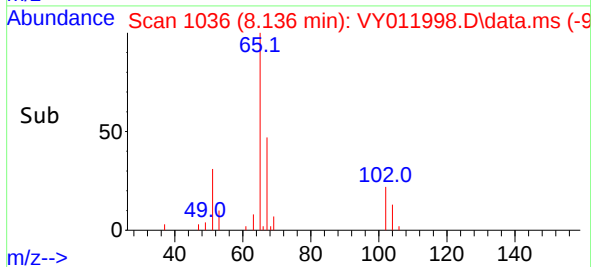
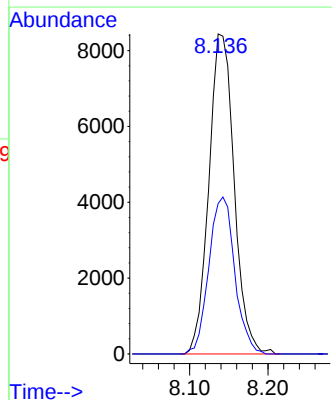
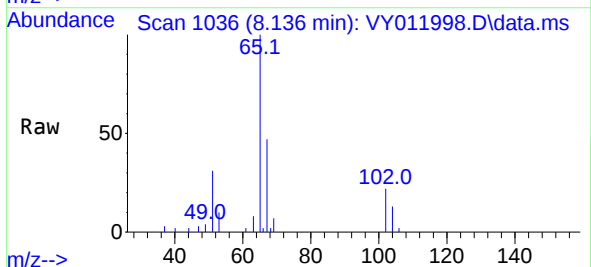


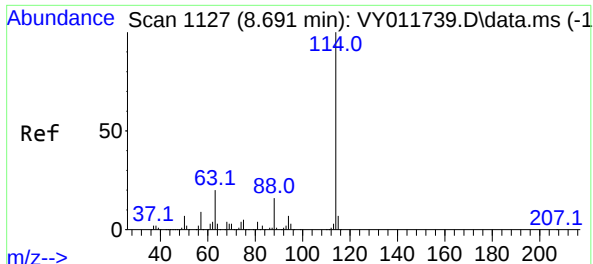
Tgt Ion: 56 Resp: 2426
Ion Ratio Lower Upper
56 100
69 166.9 29.2 43.8#
84 118.7 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 14.823 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

Tgt Ion: 65 Resp: 18952
Ion Ratio Lower Upper
65 100
67 50.2 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: VY011998.D

Acq: 23 Dec 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

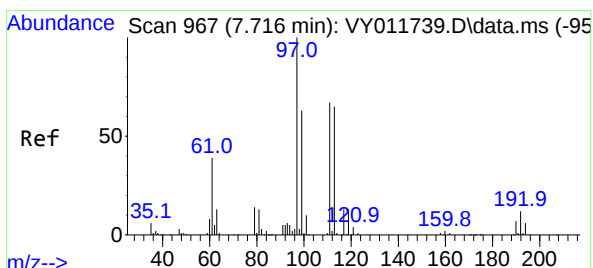
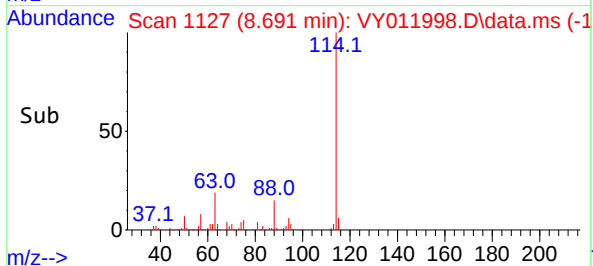
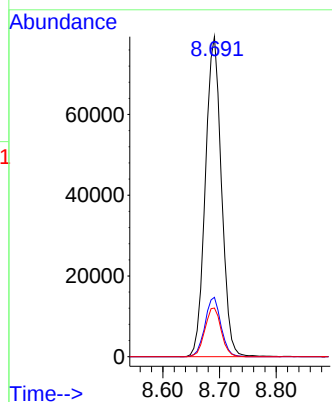
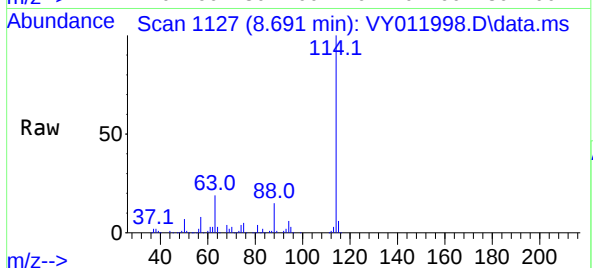
Tgt Ion:114 Resp: 155867

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 34.913 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011998.D

Acq: 23 Dec 2022 15:25

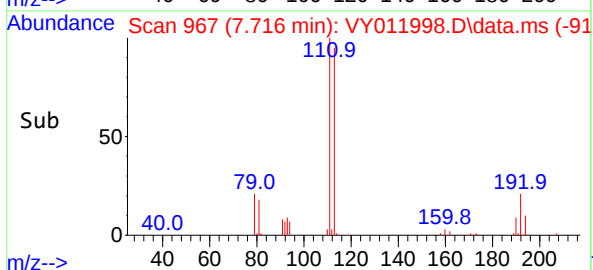
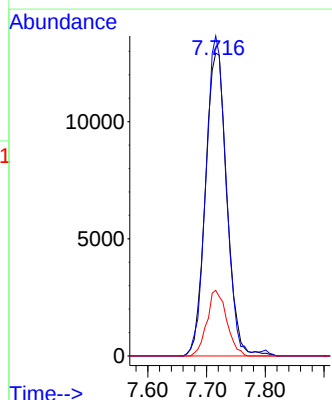
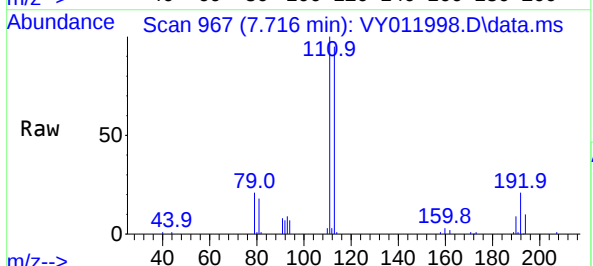
Tgt Ion:113 Resp: 32761

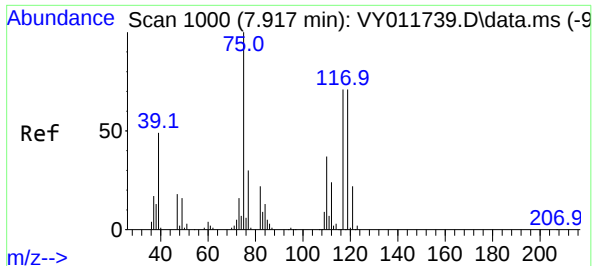
Ion Ratio Lower Upper

113 100

111 99.6 83.0 124.4

192 19.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.778 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

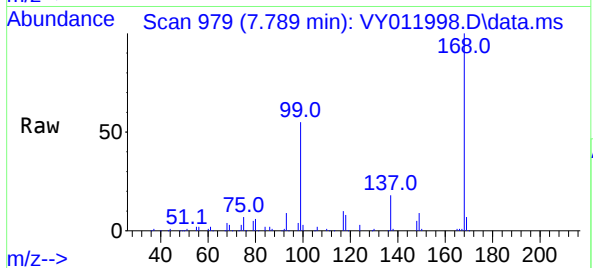
Lab File: VY011998.D

Acq: 23 Dec 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :



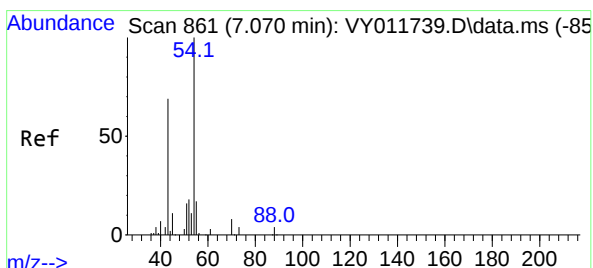
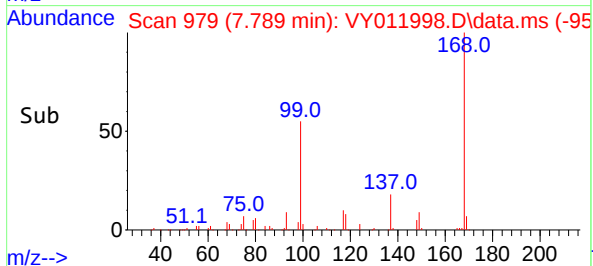
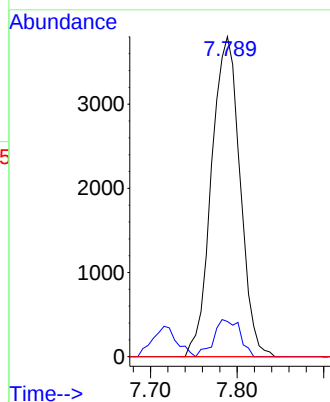
Tgt Ion: 75 Resp: 8697

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.992 ug/l

RT: 7.002 min Scan# 850

Delta R.T. -0.068 min

Lab File: VY011998.D

Acq: 23 Dec 2022 15:25

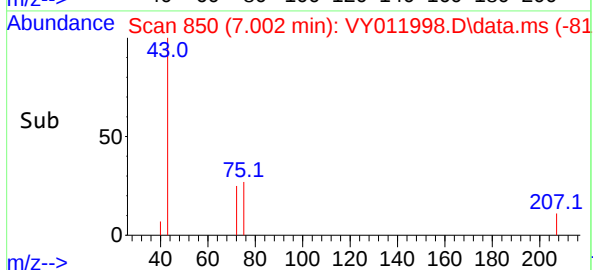
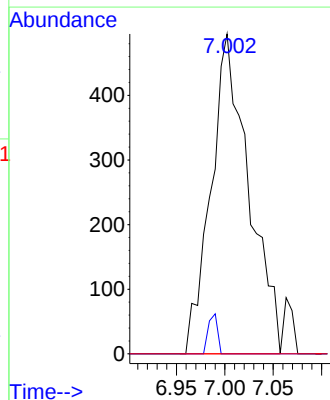
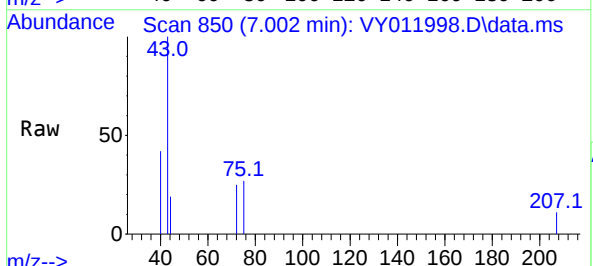
Tgt Ion: 43 Resp: 1345

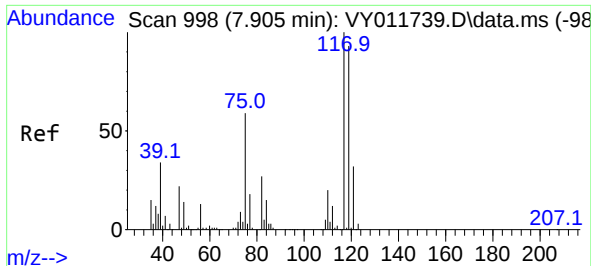
Ion Ratio Lower Upper

43 100

61 3.0 11.3 16.9#

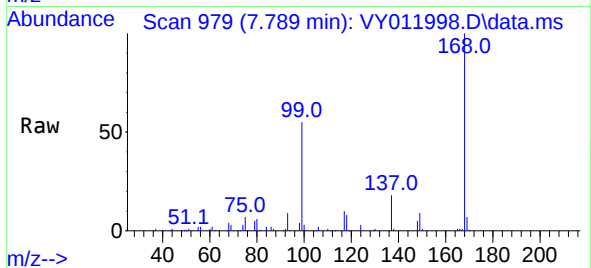
70 0.0 8.2 12.4#



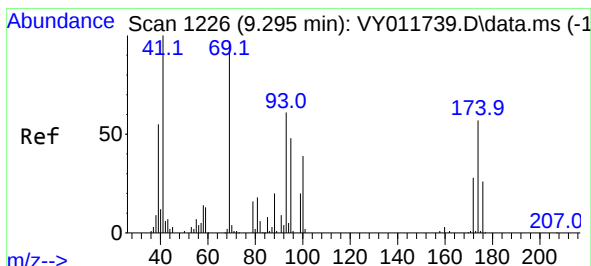
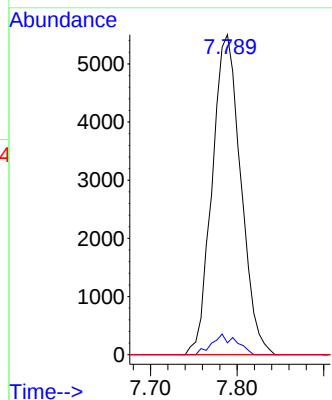
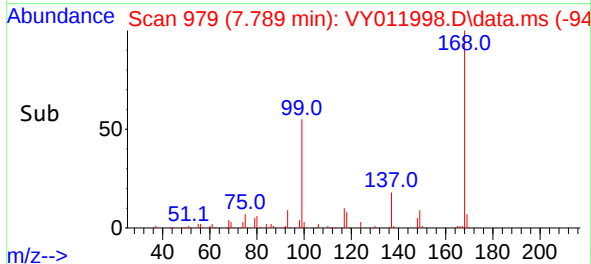


#38
Carbon Tetrachloride
Concen: 7.270 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

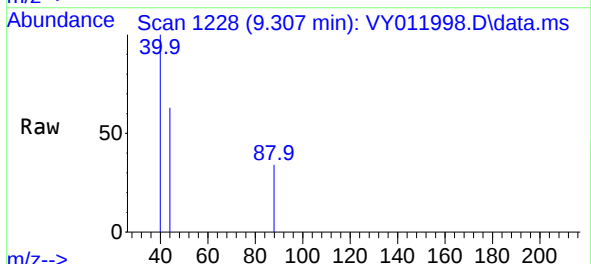
Instrument :
MSVOA_Y
ClientSampleId :



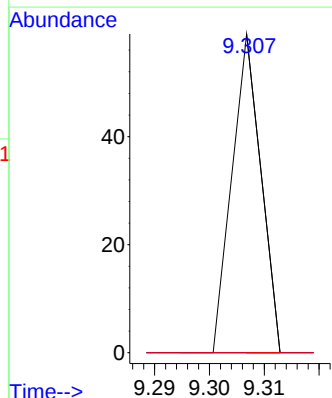
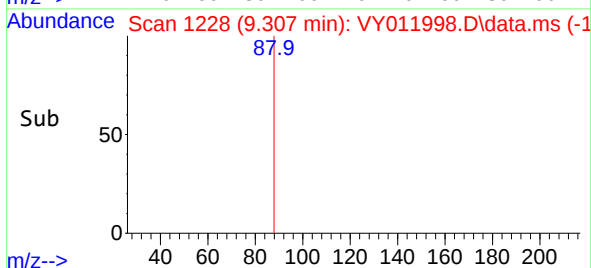
Tgt Ion: 117 Resp: 12637
Ion Ratio Lower Upper
117 100
119 3.7 73.8 110.8#
121 0.0 25.2 37.8#

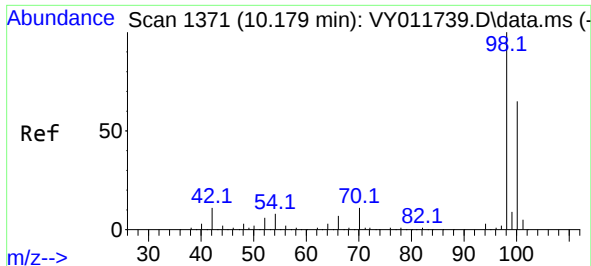


#49
1,4-Dioxane
Concen: 3.214 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.012 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25



Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.2#
58 0.0 54.3 81.5#

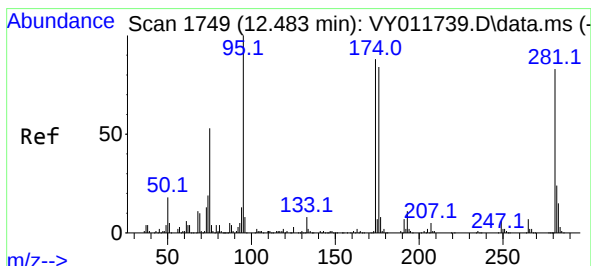
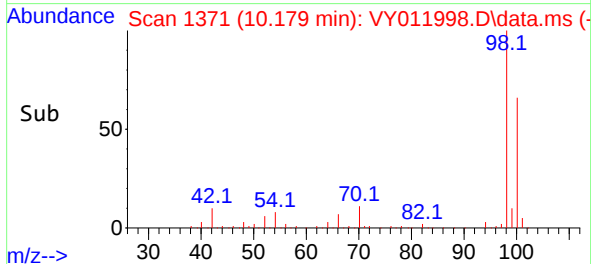
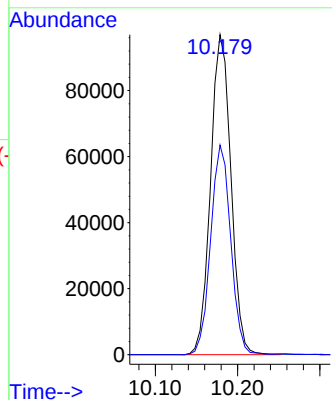
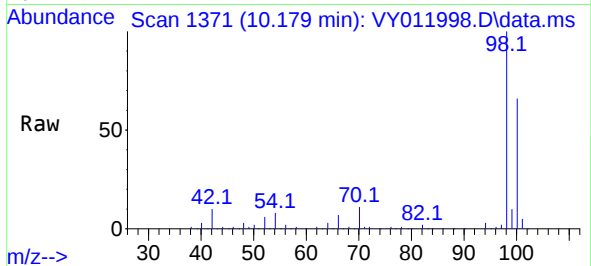




#50
Toluene-d8
Concen: 43.837 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

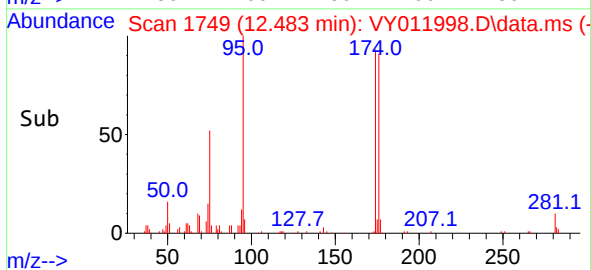
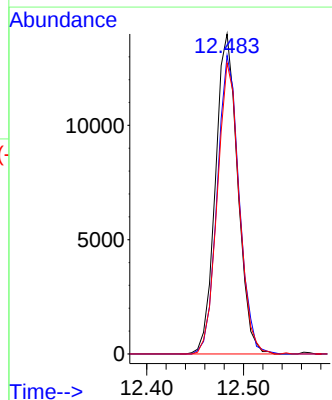
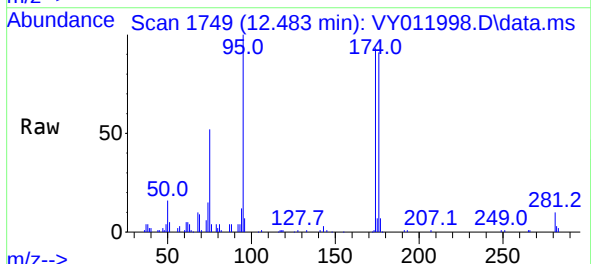
Instrument :
MSVOA_Y
ClientSampleId :

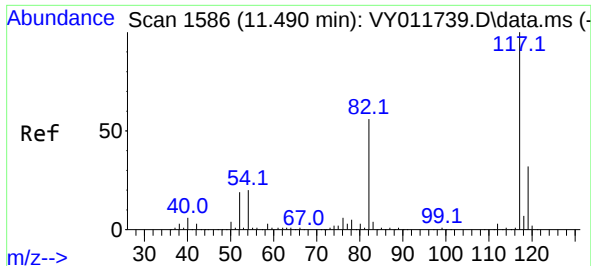
Tgt Ion: 98 Resp: 166895
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 17.455 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

Tgt Ion: 95 Resp: 22350
Ion Ratio Lower Upper
95 100
174 91.7 0.0 172.0
176 89.0 0.0 167.6

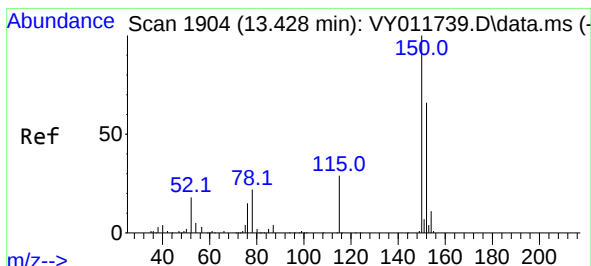
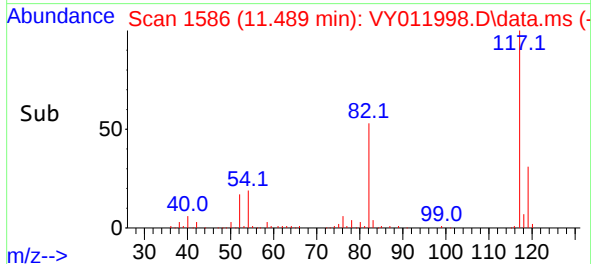
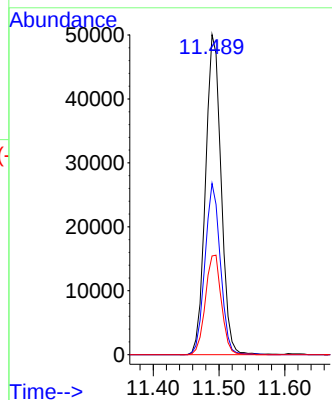
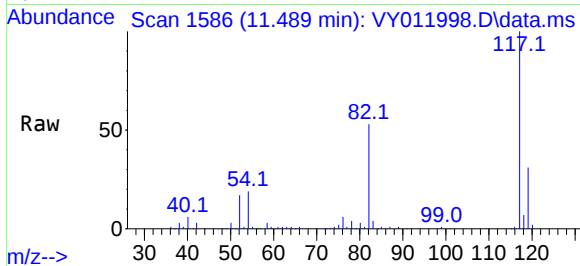




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

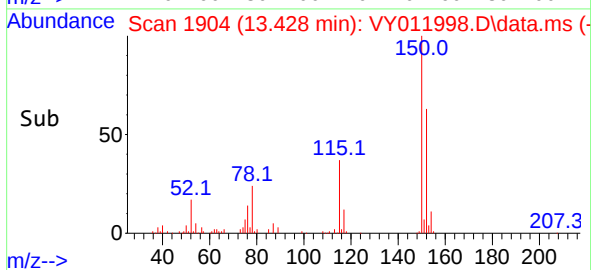
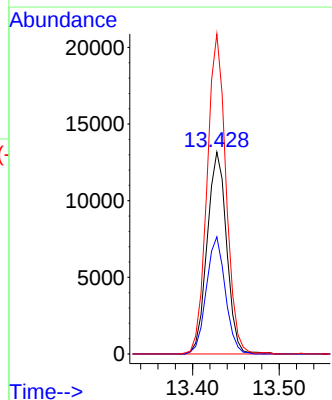
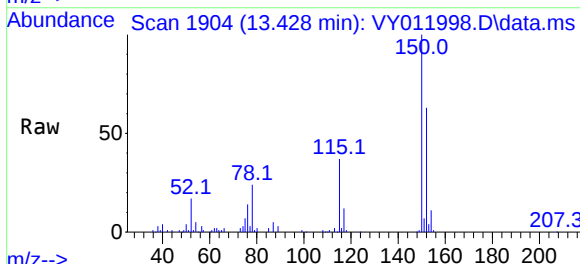
Instrument :
MSVOA_Y
ClientSampleId :

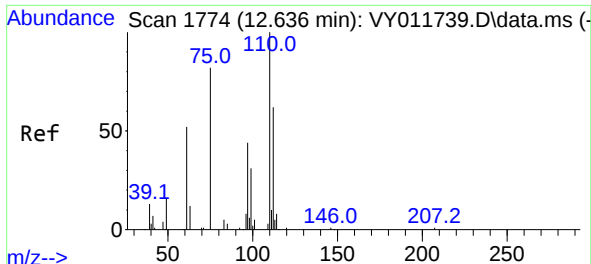
Tgt Ion:117 Resp: 82388
Ion Ratio Lower Upper
117 100
82 53.5 44.8 67.2
119 30.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

Tgt Ion:152 Resp: 20558
Ion Ratio Lower Upper
152 100
115 56.6 29.1 87.3
150 153.9 0.0 342.6

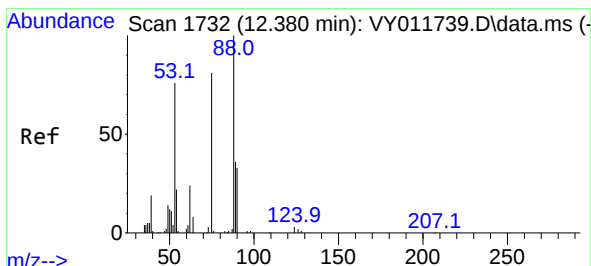
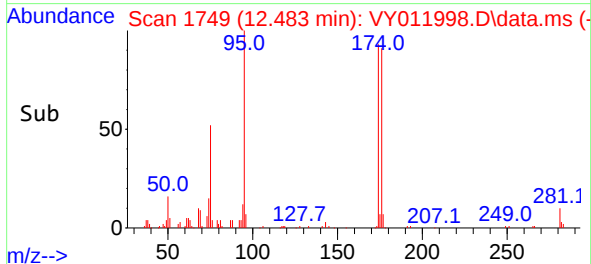
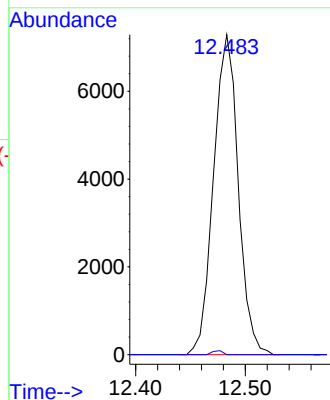
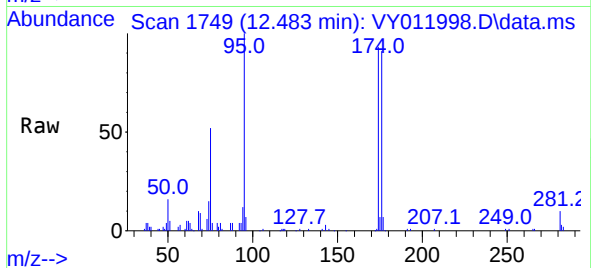




#76
1,2,3-Trichloropropane
Concen: 44.525 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

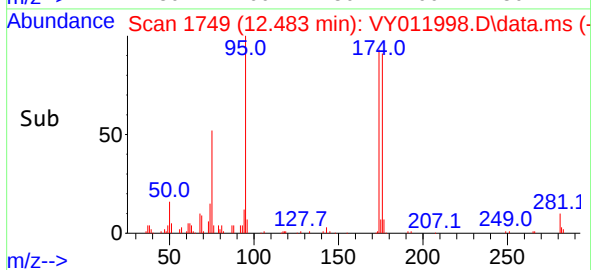
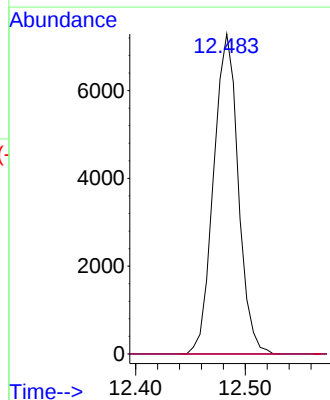
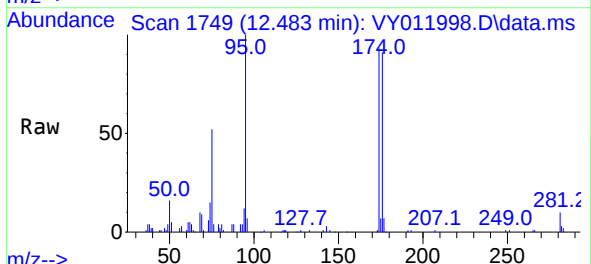
Instrument :
MSVOA_Y
ClientSampleId :

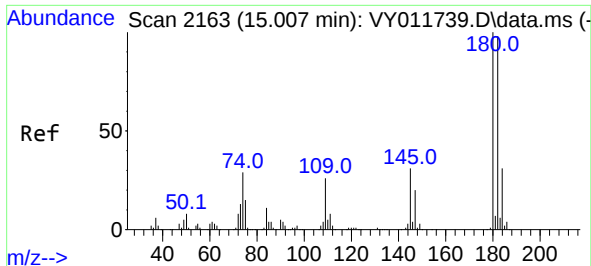
Tgt Ion: 75 Resp: 11390
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.932 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011998.D
Acq: 23 Dec 2022 15:25

Tgt Ion: 75 Resp: 11390
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#93

1,2,4-Trichlorobenzene

Concen: 1.036 ug/l

RT: 15.013 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY011998.D

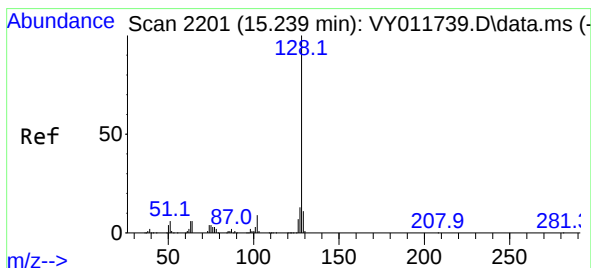
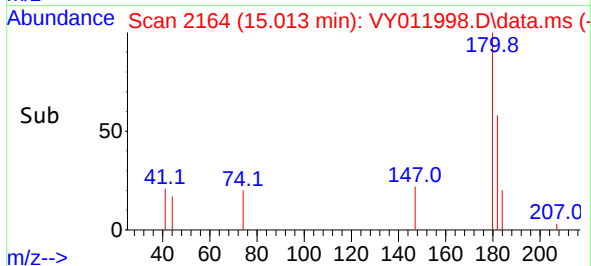
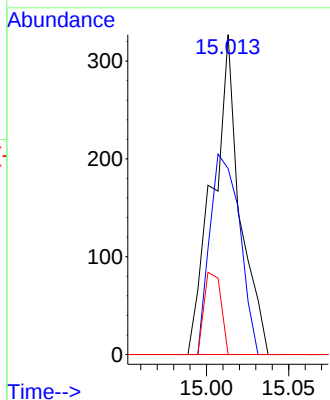
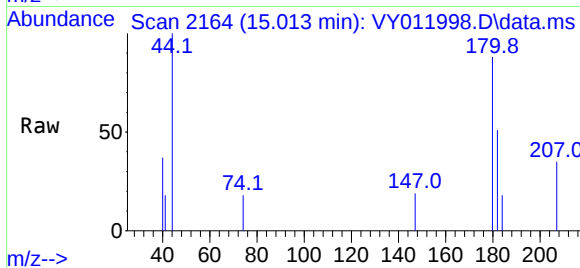
Acq: 23 Dec 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:180	Resp:	377
Ion	Ratio	Lower Upper
180	100	
182	68.7	48.1 144.3
145	15.6	15.4 46.4



#95

Naphthalene

Concen: 4.300 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY011998.D

Acq: 23 Dec 2022 15:25

Tgt Ion:128	Resp:	1220
Ion	Ratio	Lower Upper
128	100	
127	7.4	10.2 15.2#
129	4.3	8.8 13.2#

