

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007605.D
 Acq On : 23 Feb 2022 18:06
 Operator : SY/MD
 Sample : N1584-05
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D12-7.5

Quant Time: Feb 24 08:24:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

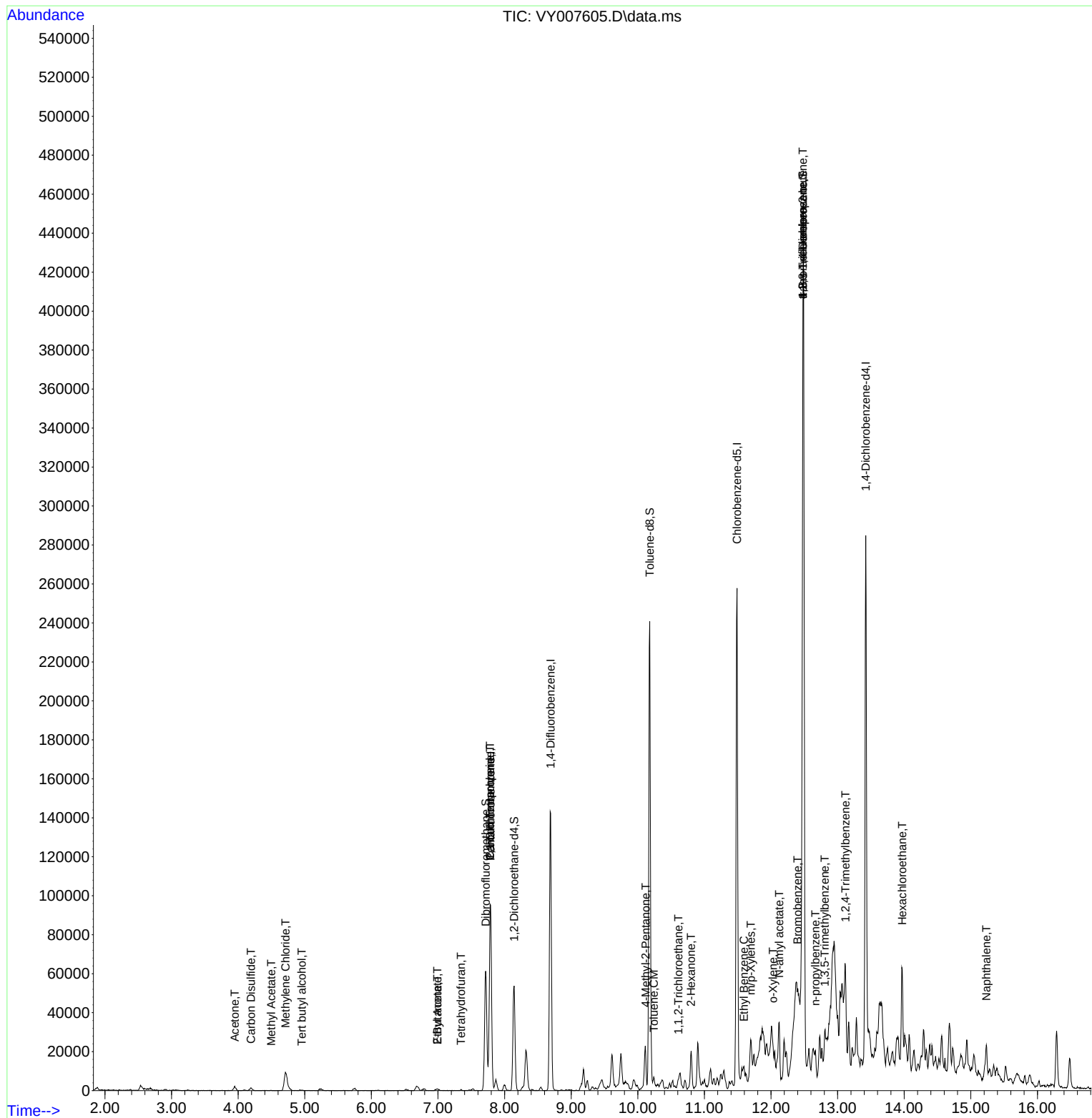
Internal Standards						
1) Pentafluorobenzene	7.789	168	70343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	120148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	131786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	65470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	44303	56.615	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.220%	
35) Dibromofluoromethane	7.716	113	38822	51.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.420%	
50) Toluene-d8	10.179	98	151748	53.791	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.580%	
62) 4-Bromofluorobenzene	12.477	95	59825	62.408	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 124.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	196	Below Cal	#	40
11) Tert butyl alcohol	4.954	59	269	3.413	ug/l #	77
16) Acetone	3.948	43	3120	17.507	ug/l	98
17) Carbon Disulfide	4.192	76	2677	1.356	ug/l #	87
18) Methyl Acetate	4.497	43	199	1.748	ug/l #	56
20) Methylene Chloride	4.710	84	6657	5.481	ug/l #	70
25) 2-Butanone	6.990	43	1140	5.642	ug/l	97
29) Tetrahydrofuran	7.344	42	129	1.097	ug/l #	15
31) Cyclohexane	7.783	56	2140	Below Cal	#	53
36) 1,1-Dichloropropene	7.783	75	5262	4.817	ug/l #	54
37) Ethyl Acetate	6.990	43	1140	2.318	ug/l #	72
38) Carbon Tetrachloride	7.783	117	8068	5.043	ug/l #	14
39) Methylcyclohexane	9.161	83	789	Below Cal	#	87
51) 4-Methyl-2-Pentanone	10.118	43	2581	5.105	ug/l #	80
52) Toluene	10.240	92	2419	1.138	ug/l	82
55) 1,1,2-Trichloroethane	10.612	97	1726	2.356	ug/l #	18
59) 2-Hexanone	10.801	43	5766	16.002	ug/l #	33
67) Ethyl Benzene	11.593	91	5476	1.137	ug/l	96
68) m/p-Xylenes	11.697	106	5669	3.005	ug/l	91
69) o-Xylene	12.032	106	2050	1.105	ug/l	100
74) N-amyl acetate	12.124	43	6651	6.772	ug/l #	70
76) 1,2,3-Trichloropropane	12.477	75	40266	61.494	ug/l #	100
77) Bromobenzene	12.398	156	78273	59.539	ug/l #	1
78) n-propylbenzene	12.666	91	6924	1.189	ug/l	94
80) 1,3,5-Trimethylbenzene	12.806	105	6081	1.417	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.477	75	40266	132.222	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	17369	4.131	ug/l	100
90) Hexachloroethane	13.971	117	1892	2.016	ug/l #	6
95) Naphthalene	15.233	128	12518	3.770	ug/l #	92

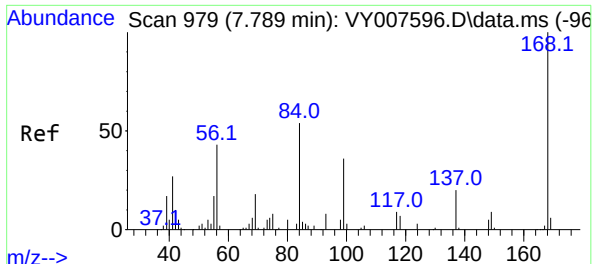
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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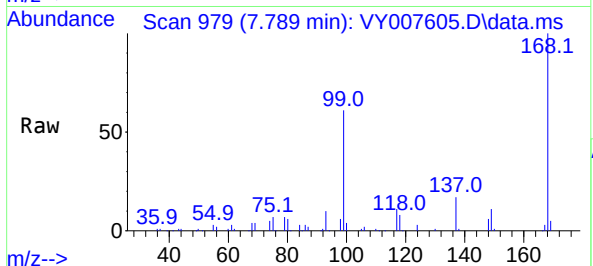
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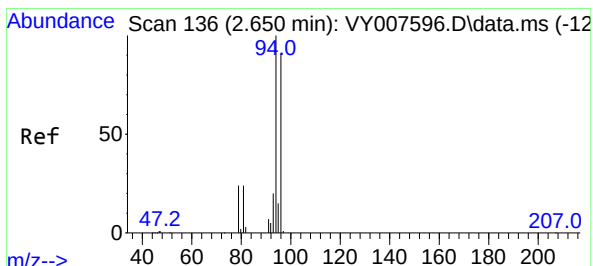
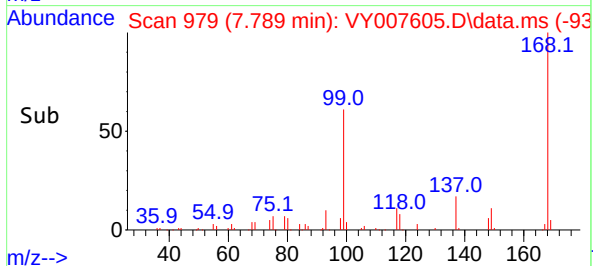
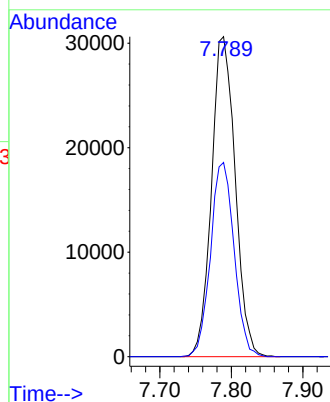


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

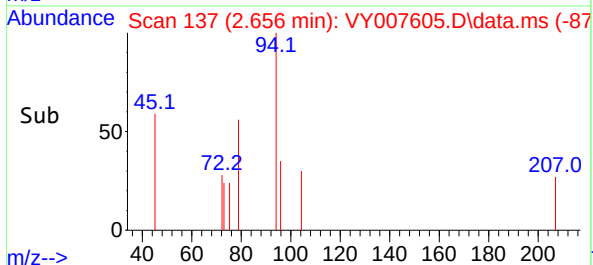
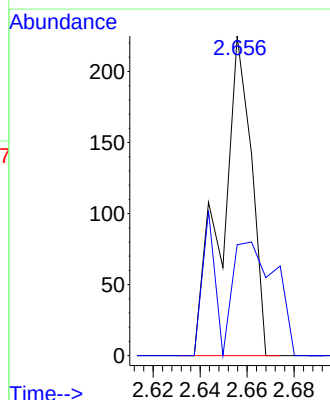
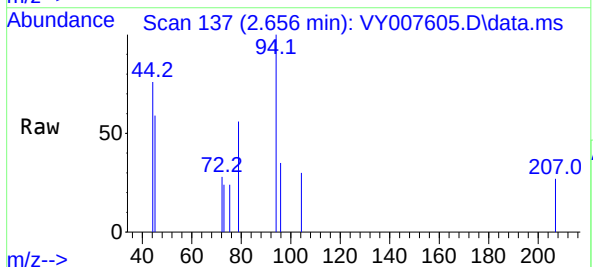


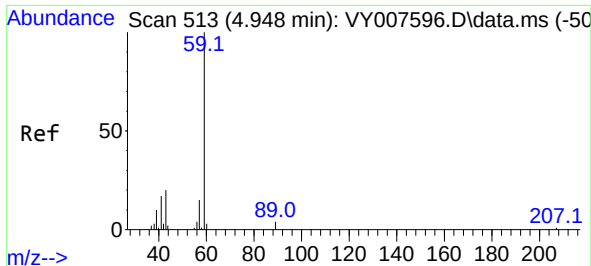
Tgt Ion:168 Resp: 70343
Ion Ratio Lower Upper
168 100
99 60.7 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 94 Resp: 196
Ion Ratio Lower Upper
94 100
96 34.7 73.5 110.3#

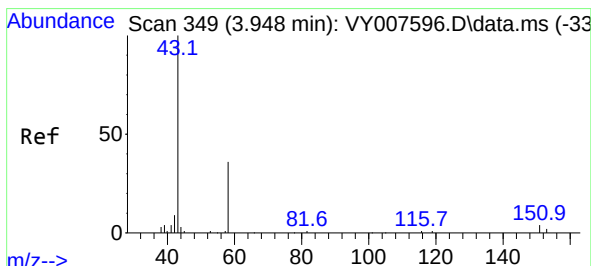
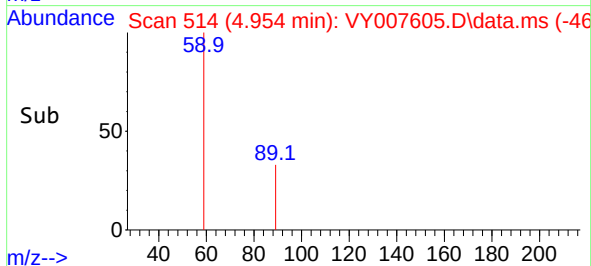
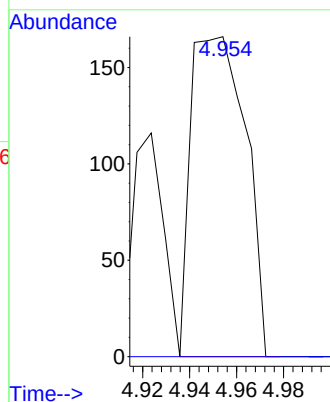
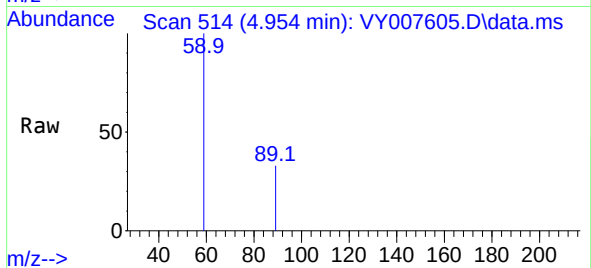




#11
Tert butyl alcohol
Concen: 3.413 ug/l
RT: 4.954 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

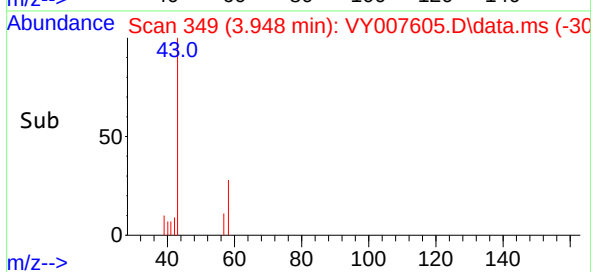
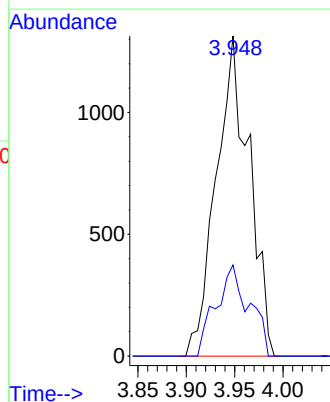
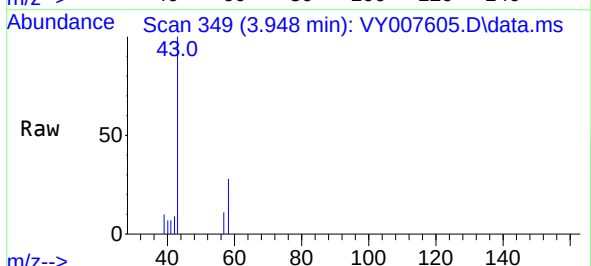
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

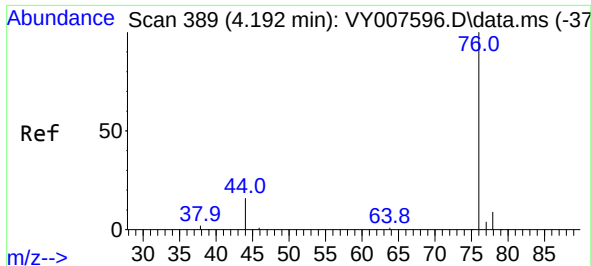
Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 17.507 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 43 Resp: 3120
Ion Ratio Lower Upper
43 100
58 28.5 22.0 33.0

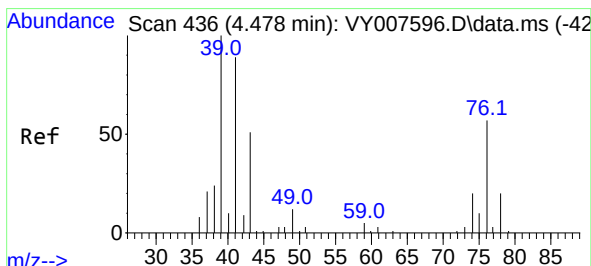
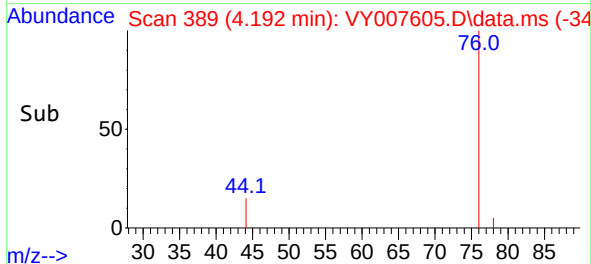
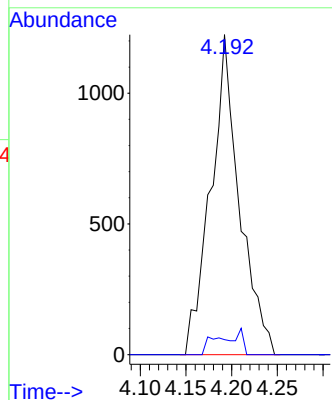
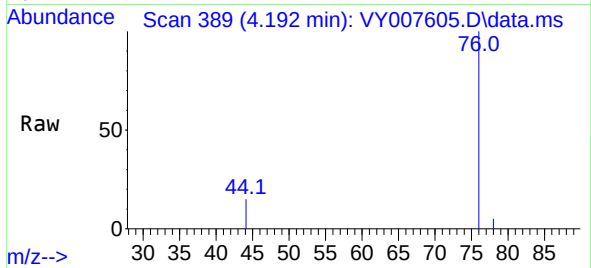




#17
Carbon Disulfide
Concen: 1.356 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

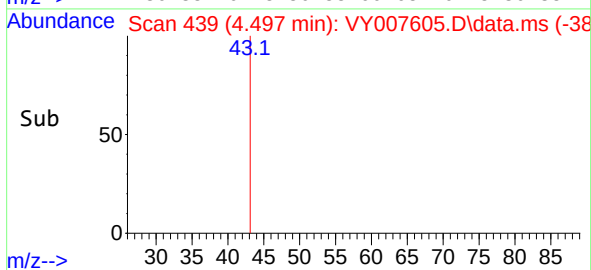
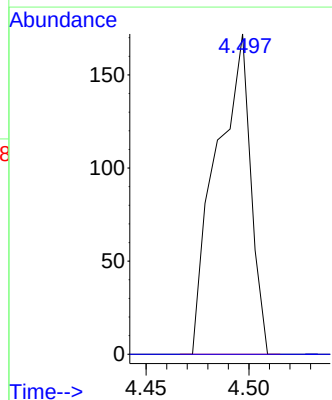
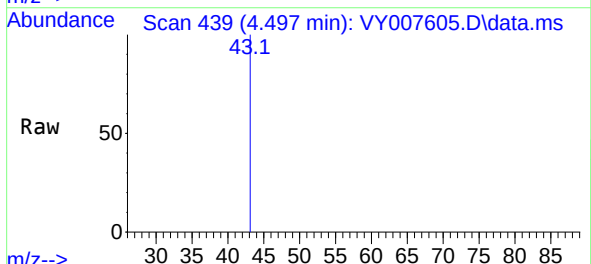
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

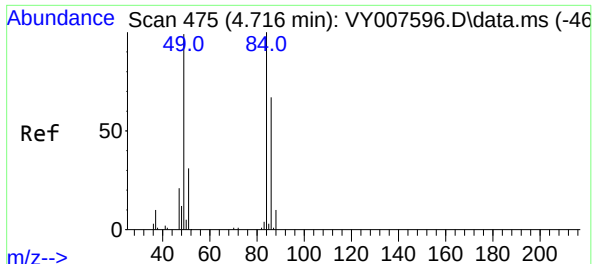
Tgt Ion: 76 Resp: 2677
Ion Ratio Lower Upper
76 100
78 4.7 7.4 11.0#



#18
Methyl Acetate
Concen: 1.748 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.019 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 43 Resp: 199
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

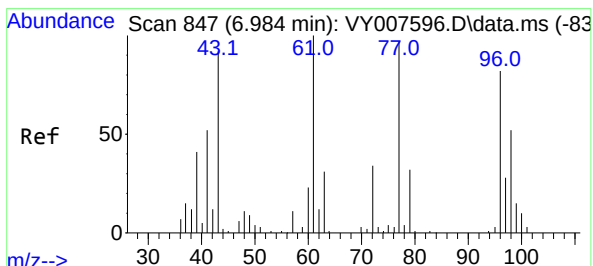
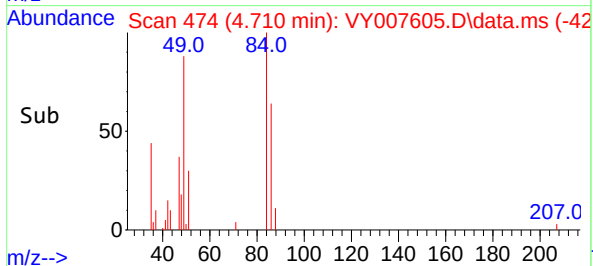
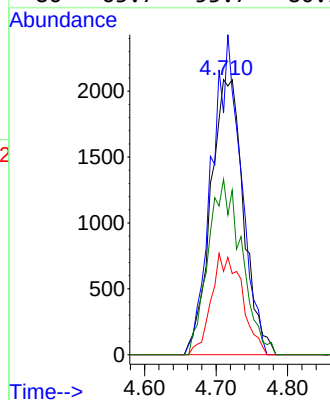
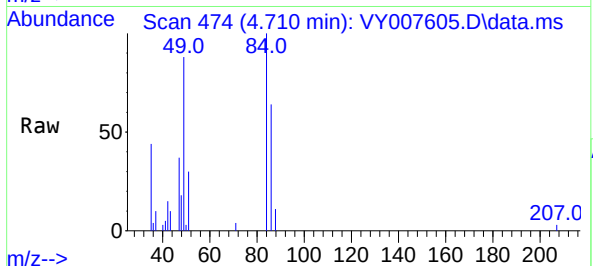




#20
Methylene Chloride
Concen: 5.481 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

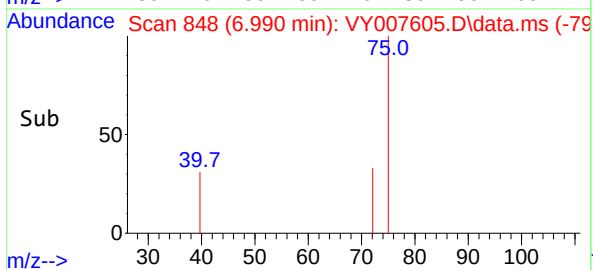
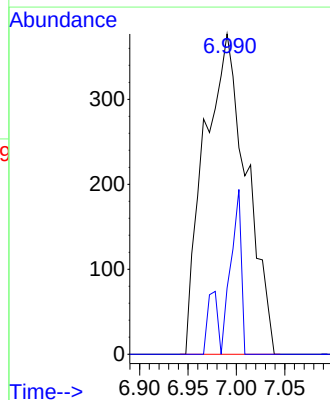
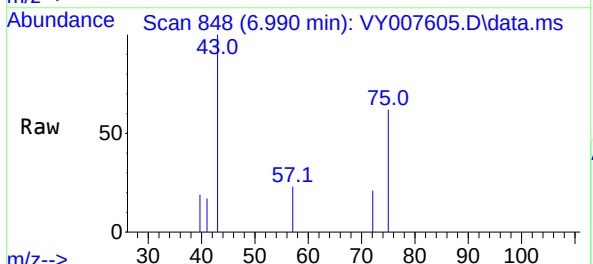
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

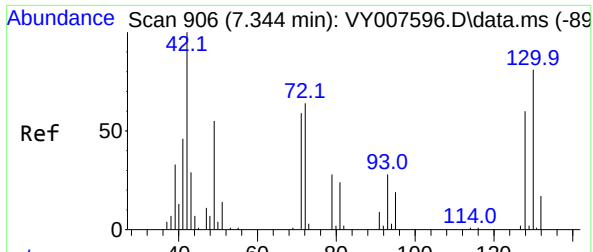
Tgt Ion: 84 Resp: 6657
Ion Ratio Lower Upper
84 100
49 87.8 114.4 171.6#
51 30.3 35.3 52.9#
86 63.7 53.7 80.5



#25
2-Butanone
Concen: 5.642 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
72 20.7 17.7 26.5





#29

Tetrahydrofuran

Concen: 1.097 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY007605.D

Acq: 23 Feb 2022 18:06

Instrument :

MSVOA_Y

ClientSampleId :

D12-7.5

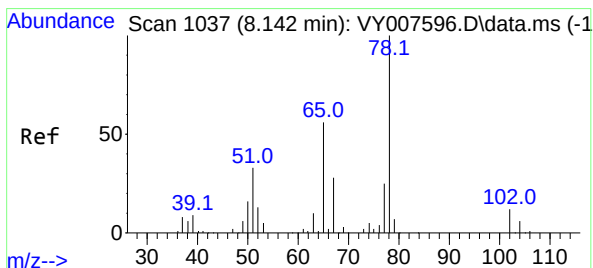
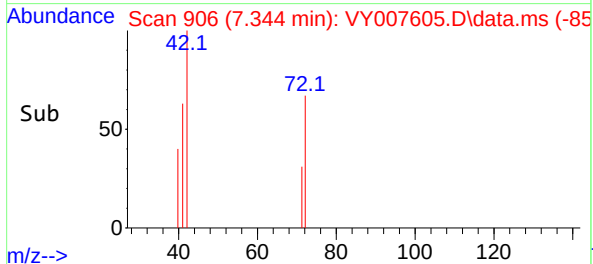
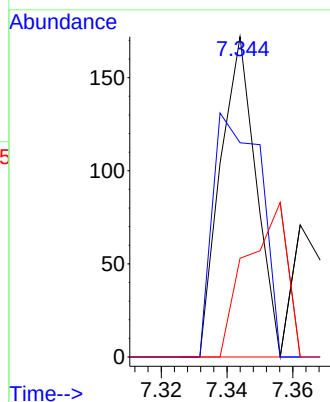
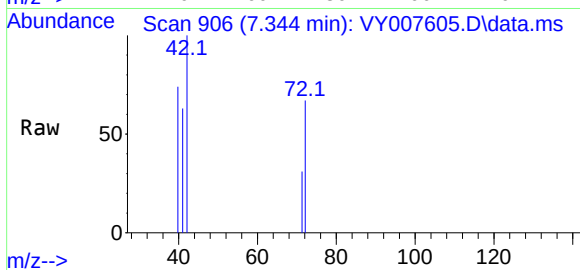
Tgt Ion: 42 Resp: 129

Ion Ratio Lower Upper

42 100

72 102.3 30.3 45.5#

71 0.0 29.0 43.4#



#33

1,2-Dichloroethane-d4

Concen: 56.615 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY007605.D

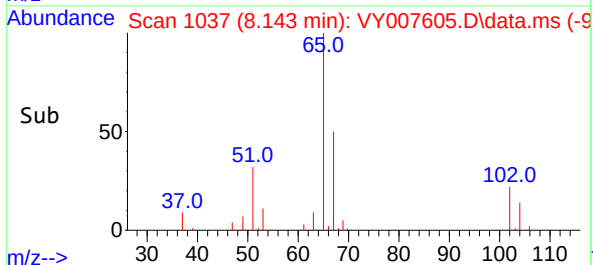
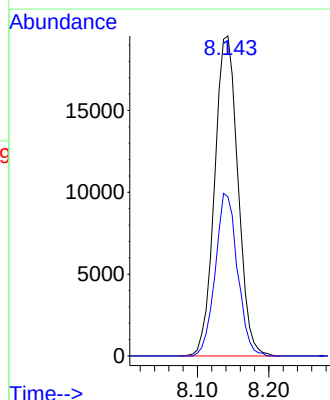
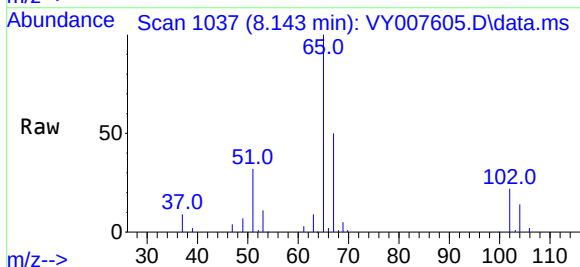
Acq: 23 Feb 2022 18:06

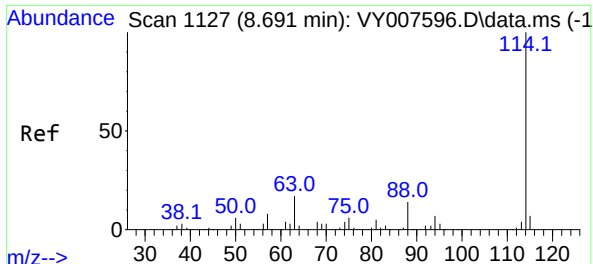
Tgt Ion: 65 Resp: 44303

Ion Ratio Lower Upper

65 100

67 48.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007605.D

Acq: 23 Feb 2022 18:06

Instrument :

MSVOA_Y

ClientSampleId :

D12-7.5

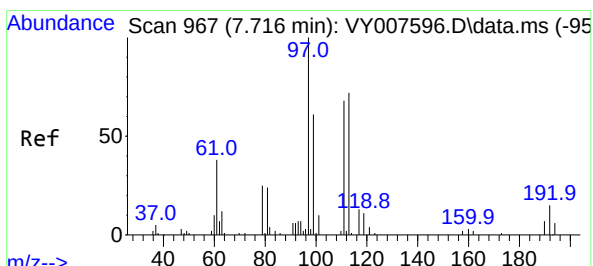
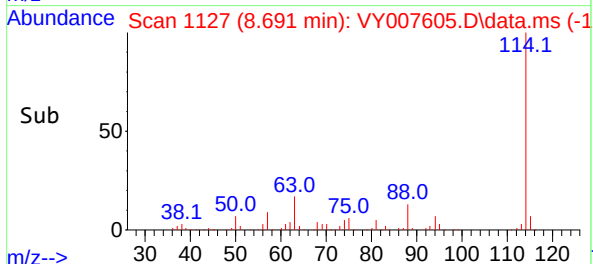
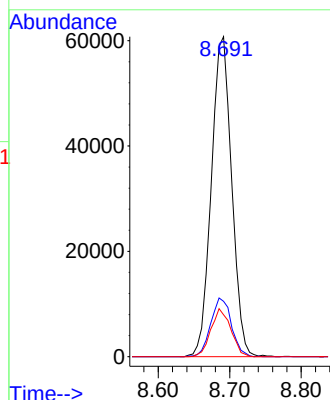
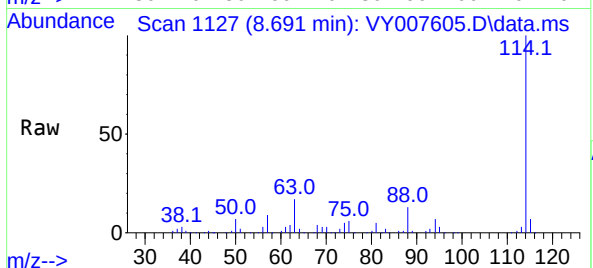
Tgt Ion:114 Resp: 120148

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 13.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.208 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007605.D

Acq: 23 Feb 2022 18:06

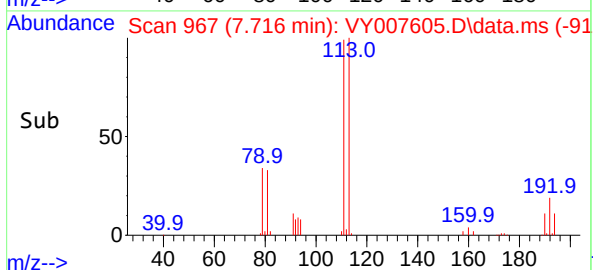
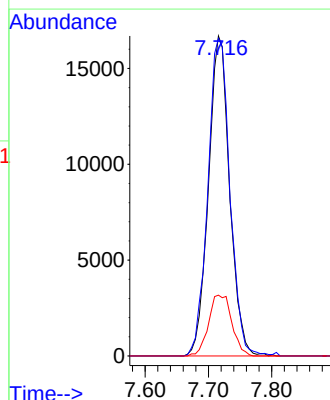
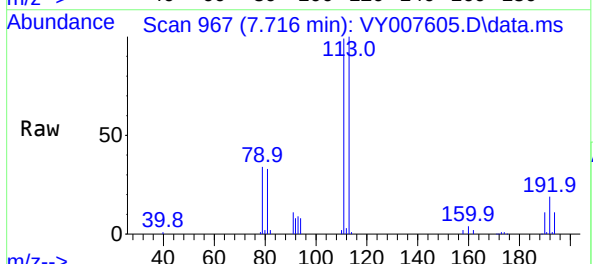
Tgt Ion:113 Resp: 38822

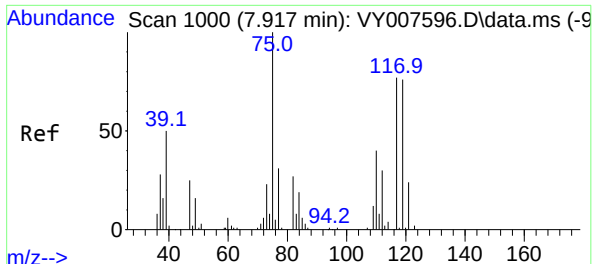
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

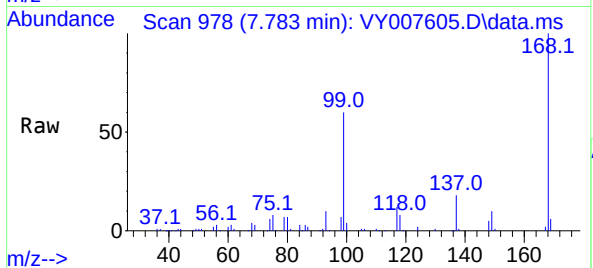
192 20.9 17.6 26.4



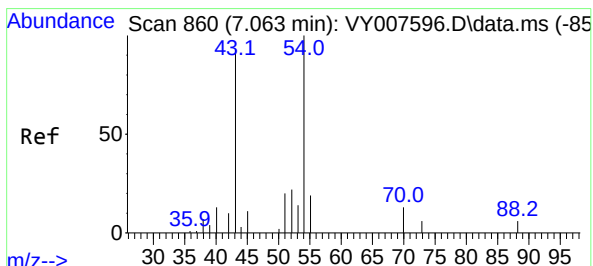
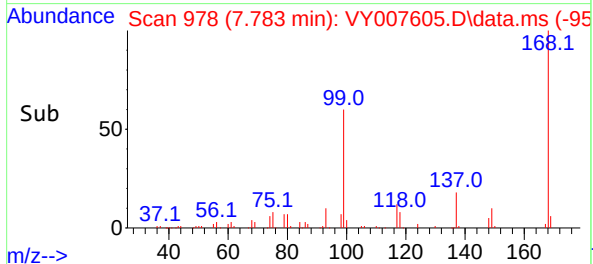
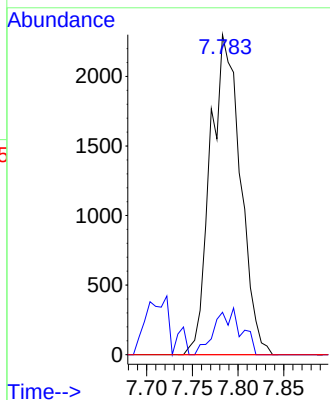


#36
1,1-Dichloropropene
Concen: 4.817 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

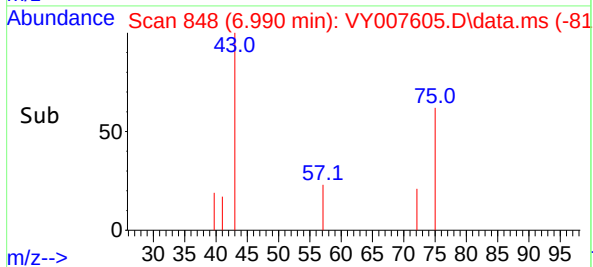
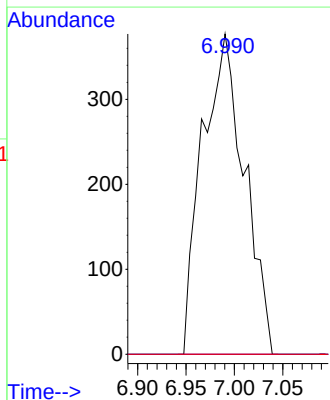
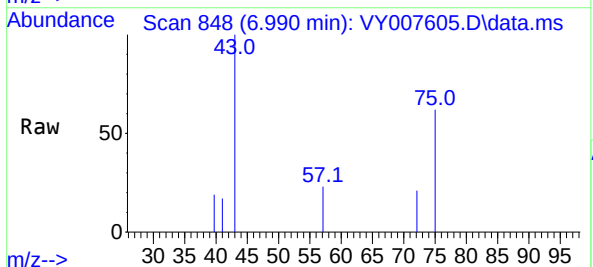


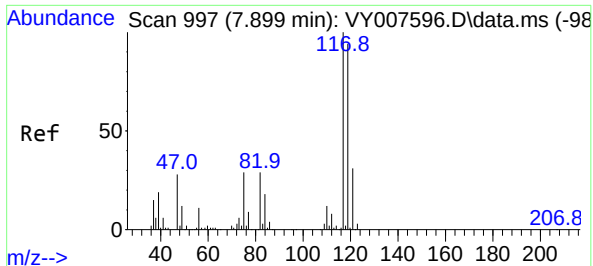
Tgt Ion: 75 Resp: 5262
Ion Ratio Lower Upper
75 100
110 12.8 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.318 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.073 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

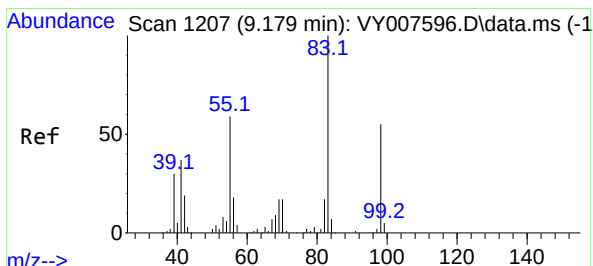
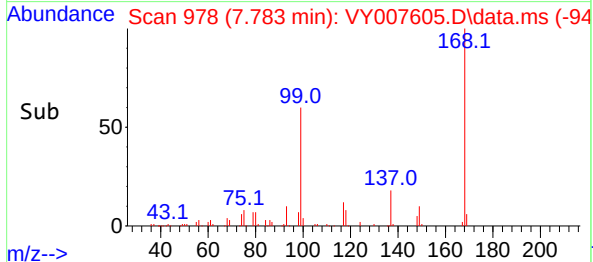
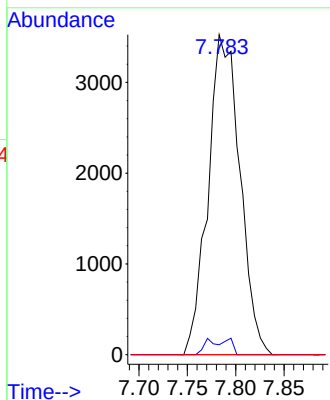
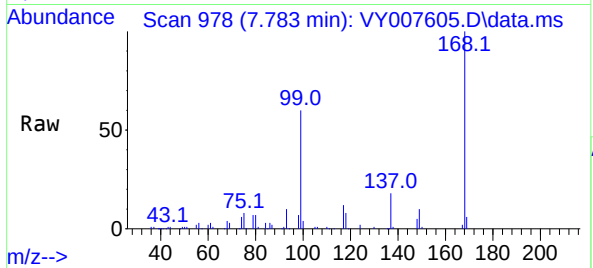




#38
Carbon Tetrachloride
Concen: 5.043 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

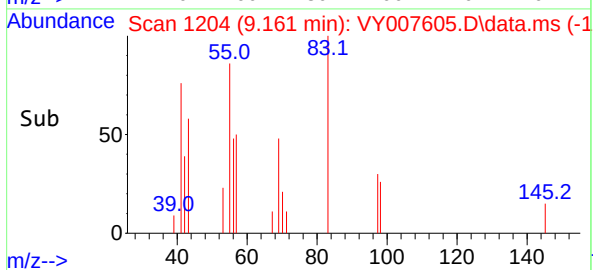
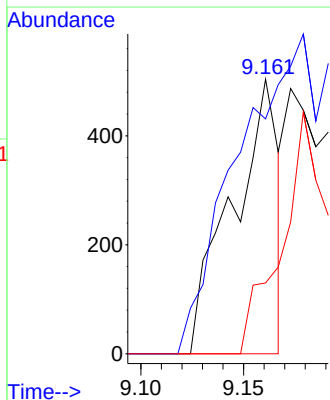
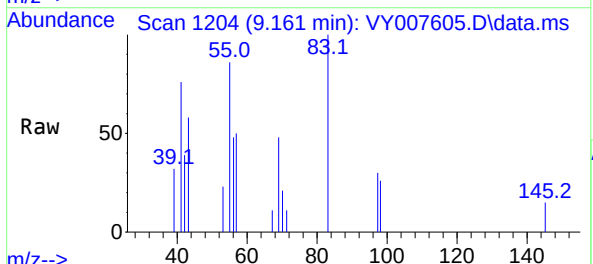
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

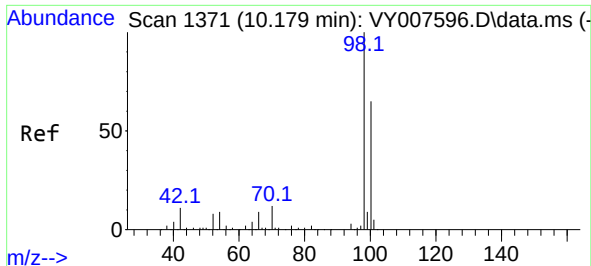
Tgt Ion:117 Resp: 8068
Ion Ratio Lower Upper
117 100
119 3.1 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.161 min Scan# 1204
Delta R.T. -0.018 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 83 Resp: 789
Ion Ratio Lower Upper
83 100
55 85.5 66.5 99.7
98 25.8 37.9 56.9#

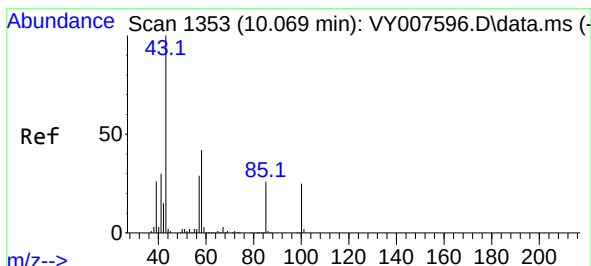
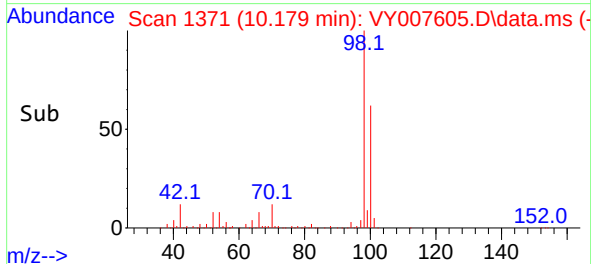
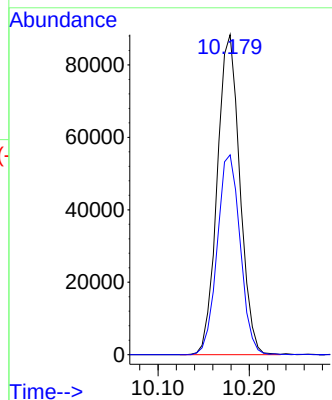
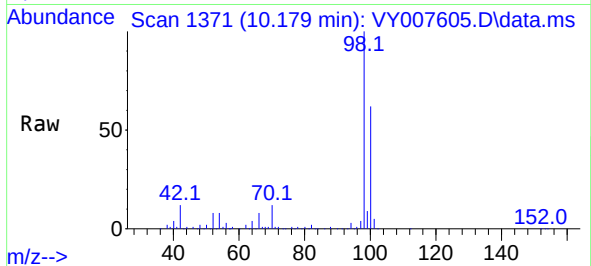




#50
Toluene-d8
Concen: 53.791 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

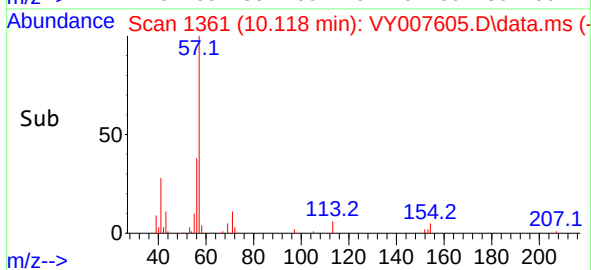
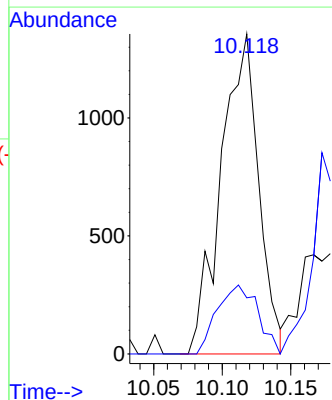
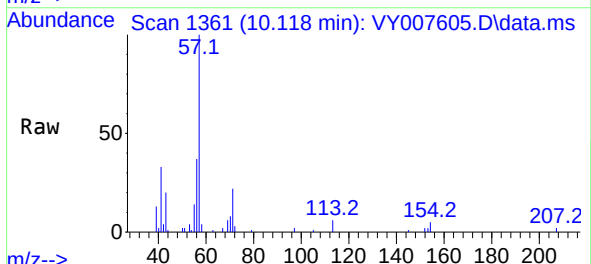
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

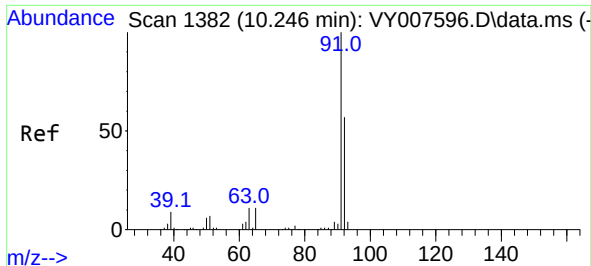
Tgt Ion: 98 Resp: 151748
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 5.105 ug/l
RT: 10.118 min Scan# 1361
Delta R.T. 0.049 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 43 Resp: 2581
Ion Ratio Lower Upper
43 100
58 23.3 28.1 42.1#

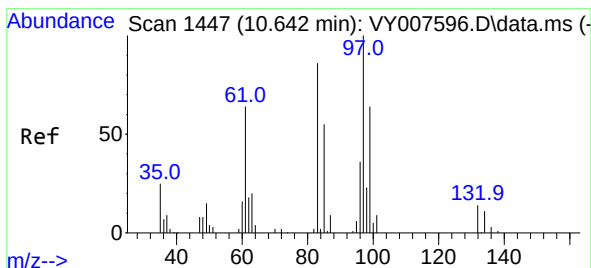
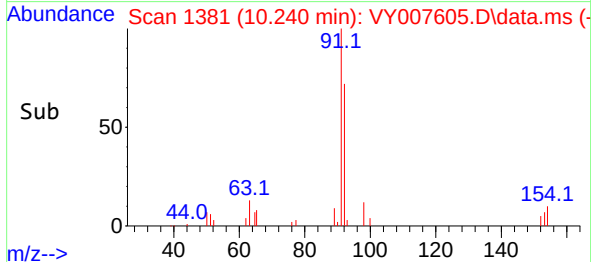
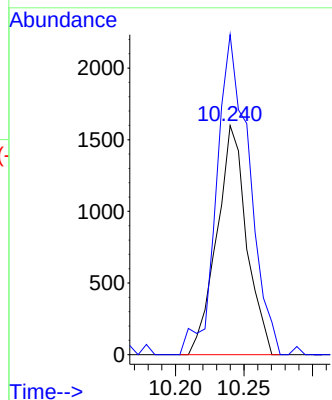
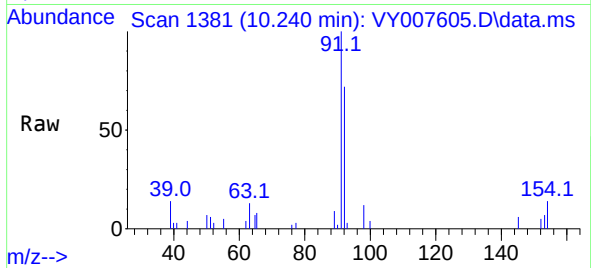




#52
Toluene
Concen: 1.138 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

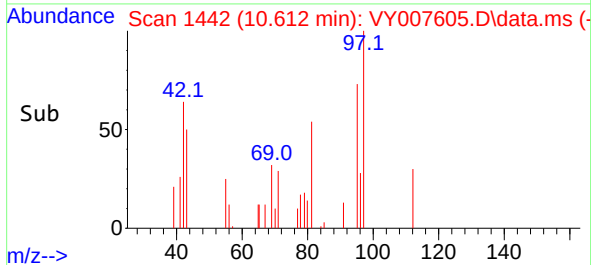
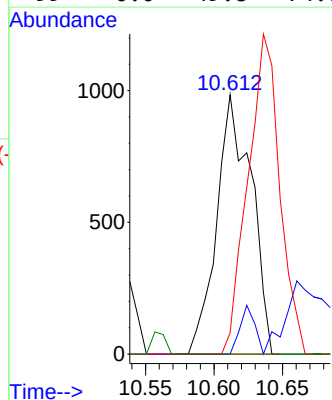
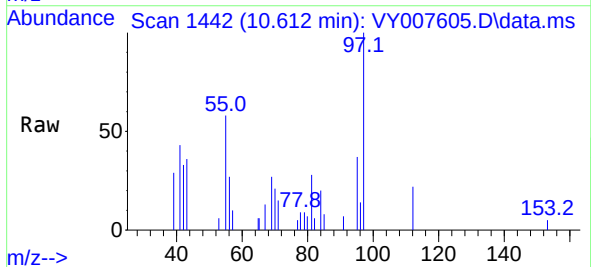
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

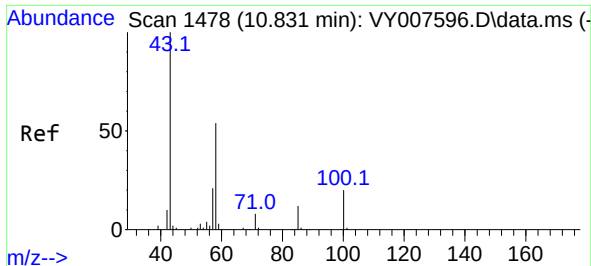
Tgt Ion: 92 Resp: 2419
Ion Ratio Lower Upper
92 100
91 153.2 142.6 213.8



#55
1,1,2-Trichloroethane
Concen: 2.356 ug/l
RT: 10.612 min Scan# 1442
Delta R.T. -0.030 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 97 Resp: 1726
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 8.2 44.3 66.5#
99 0.0 49.8 74.6#

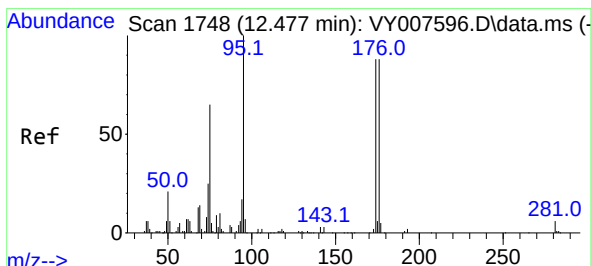
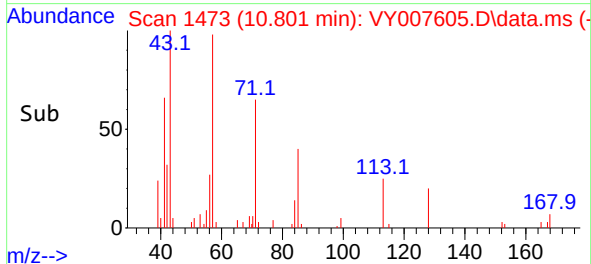
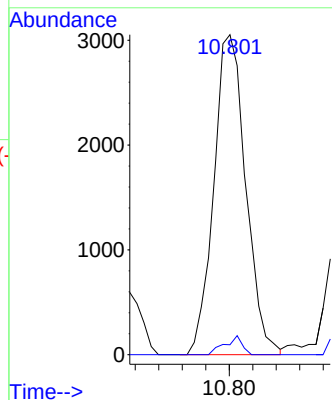
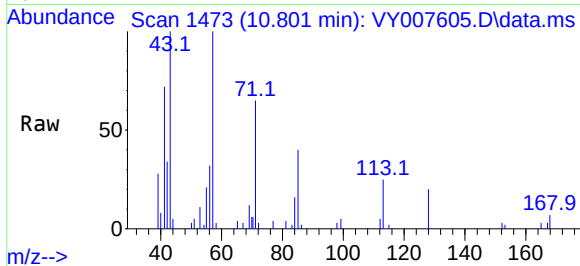




#59
2-Hexanone
Concen: 16.002 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

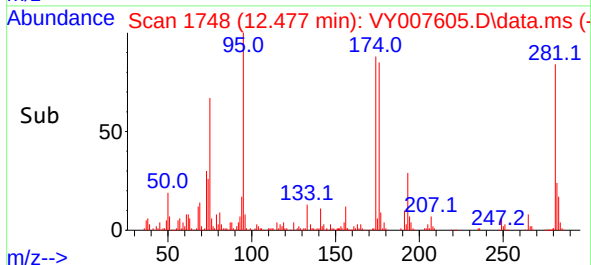
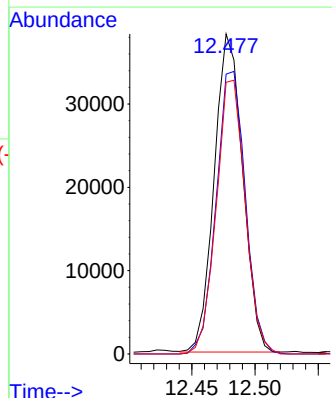
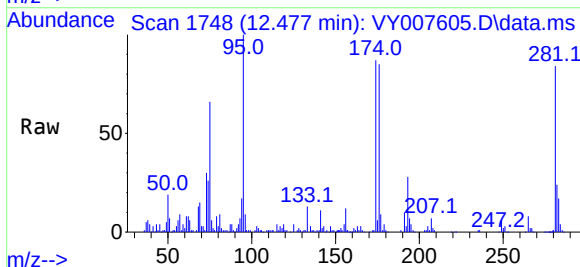
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

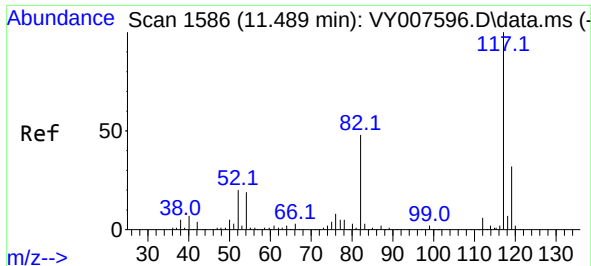
Tgt Ion: 43 Resp: 5766
Ion Ratio Lower Upper
43 100
58 3.2 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 62.408 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 95 Resp: 59825
Ion Ratio Lower Upper
95 100
174 91.1 0.0 177.0
176 87.4 0.0 175.8

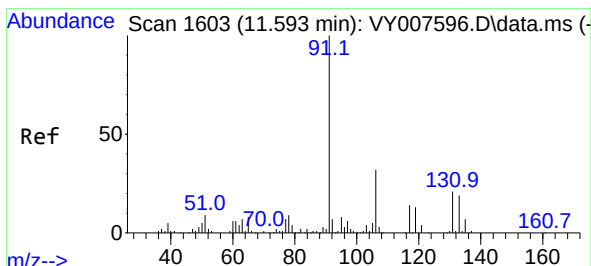
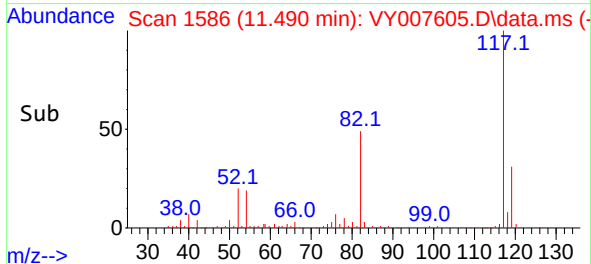
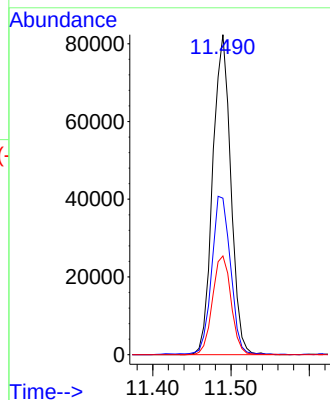
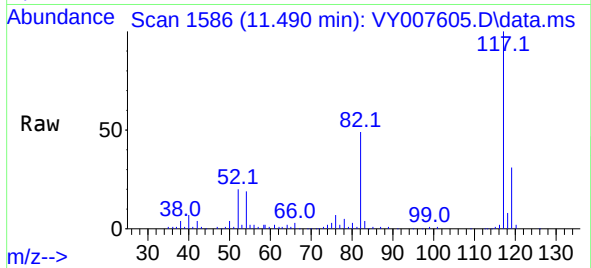




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

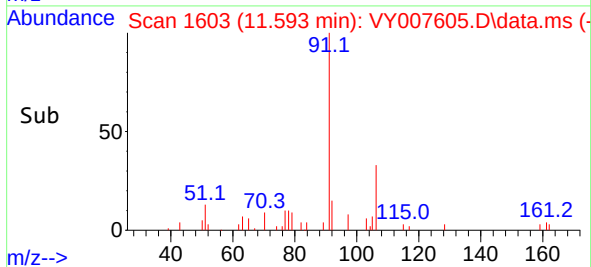
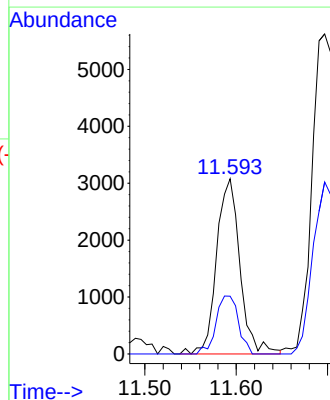
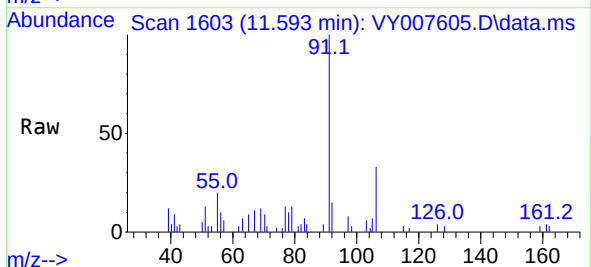
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

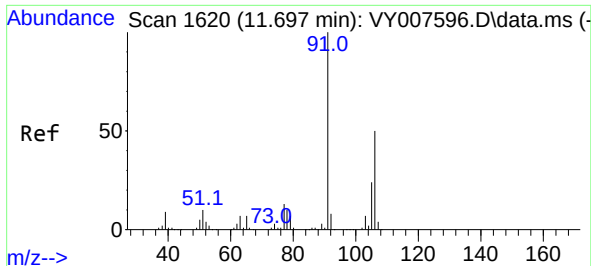
Tgt Ion:117 Resp: 131786
Ion Ratio Lower Upper
117 100
82 48.8 43.0 64.4
119 30.9 25.4 38.0



#67
Ethyl Benzene
Concen: 1.137 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 91 Resp: 5476
Ion Ratio Lower Upper
91 100
106 33.0 24.5 36.7

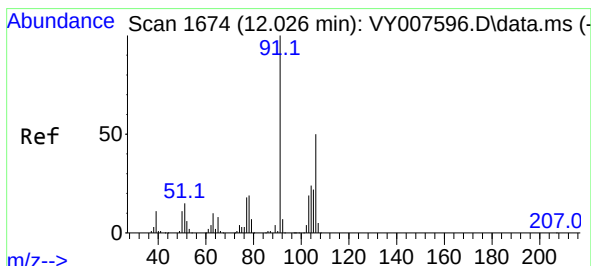
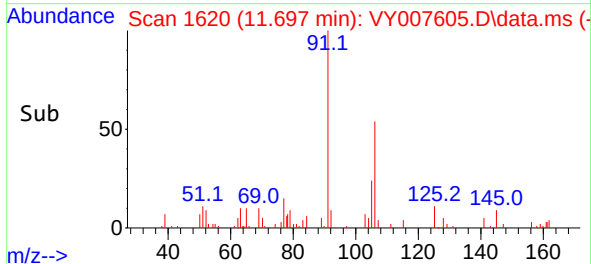
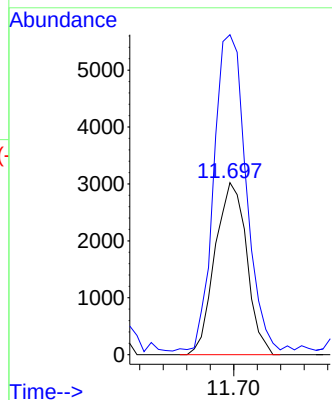
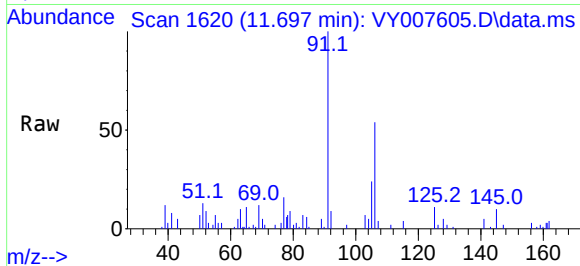




#68
m/p-Xylenes
Concen: 3.005 ug/l
RT: 11.697 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

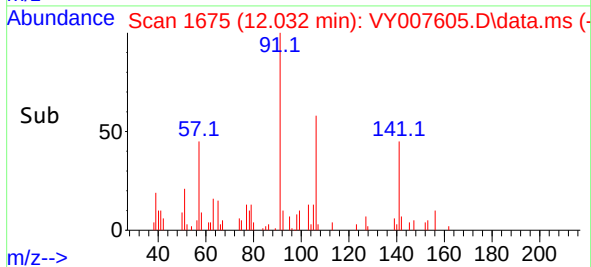
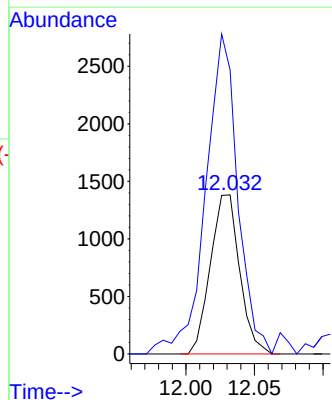
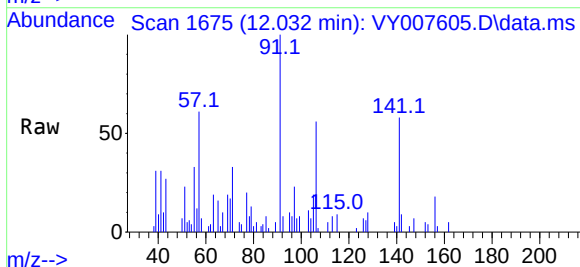
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

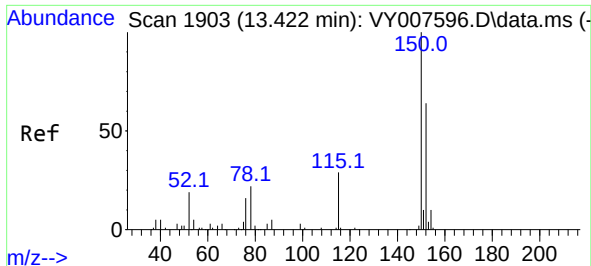
Tgt Ion:106 Resp: 5669
Ion Ratio Lower Upper
106 100
91 193.8 166.6 249.8



#69
o-Xylene
Concen: 1.105 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion:106 Resp: 2050
Ion Ratio Lower Upper
106 100
91 220.2 110.3 331.0

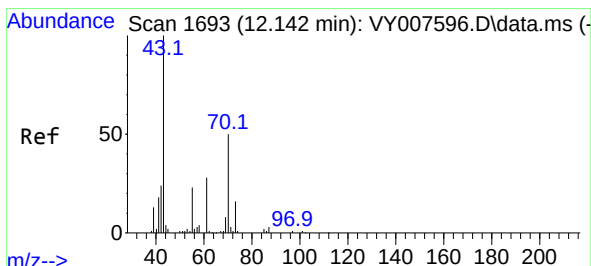
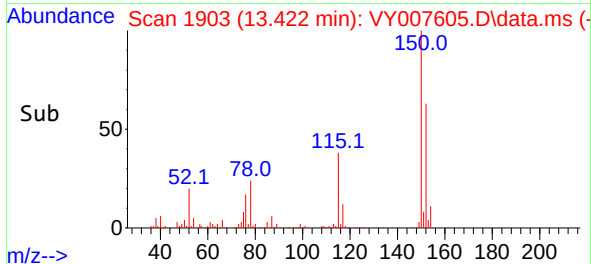
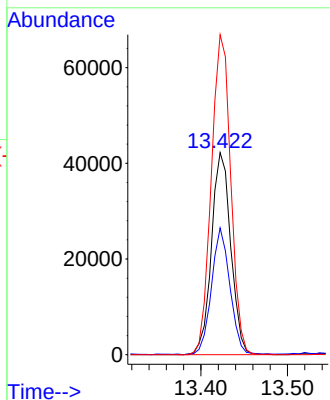
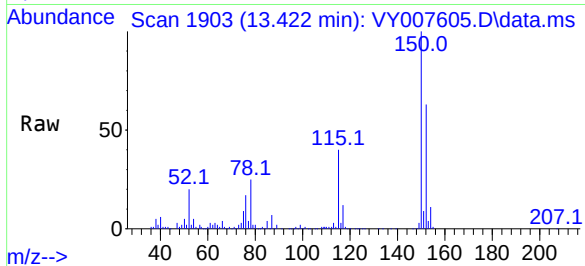




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

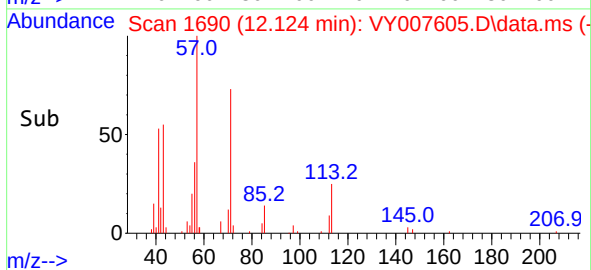
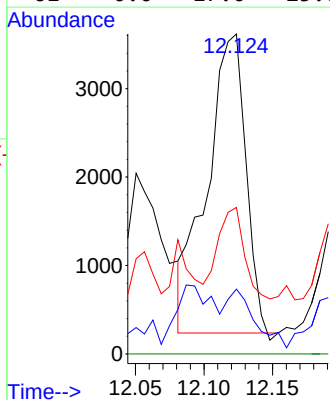
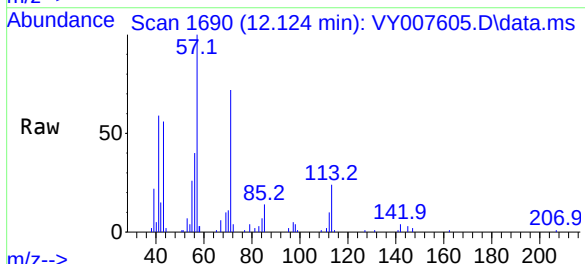
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

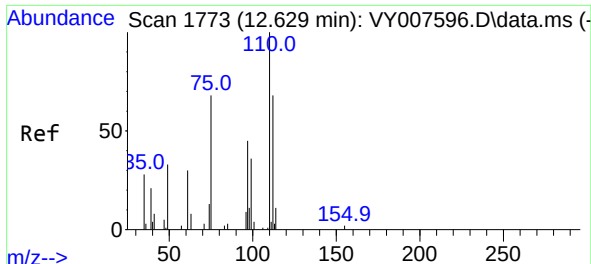
Tgt Ion:152 Resp: 65470
Ion Ratio Lower Upper
152 100
115 60.1 28.2 84.7
150 159.0 0.0 347.6



#74
N-ethyl acetate
Concen: 6.772 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 43 Resp: 6651
Ion Ratio Lower Upper
43 100
70 14.2 28.7 43.1#
55 20.6 17.3 25.9
61 0.0 17.0 25.6#

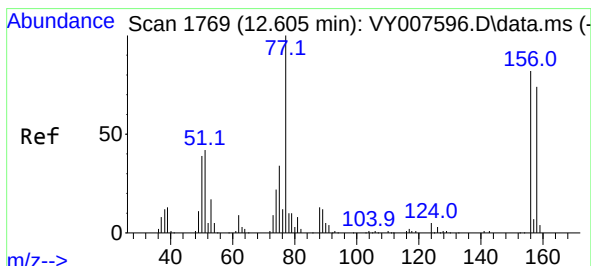
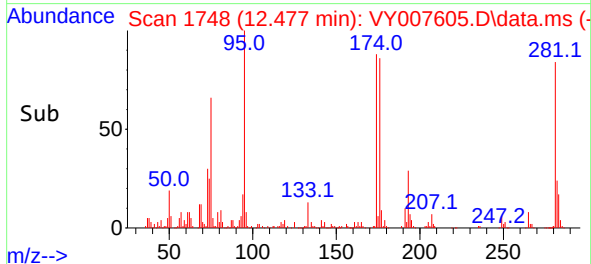
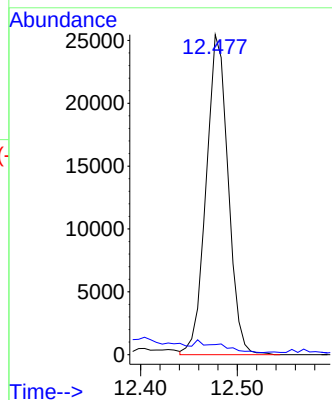
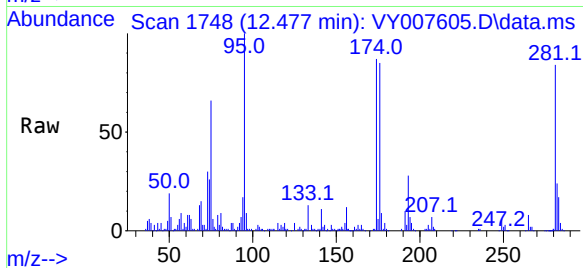




#76
1,2,3-Trichloropropane
Concen: 61.494 ug/l
RT: 12.477 min Scan# 1735
Delta R.T. -0.152 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

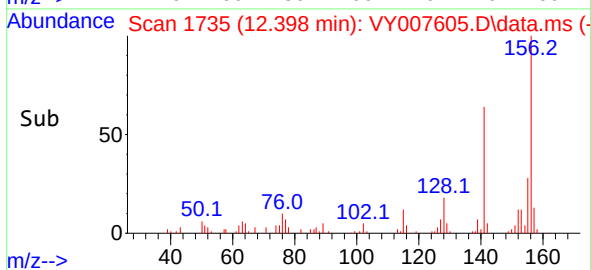
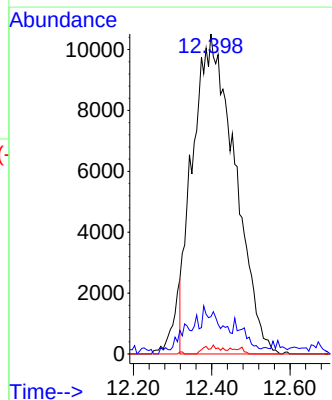
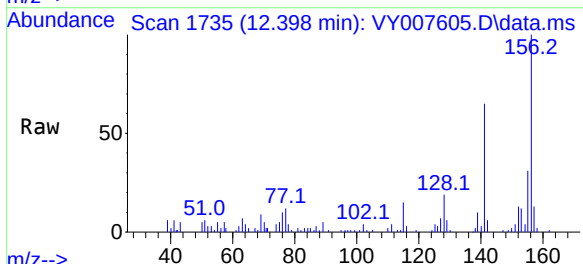
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

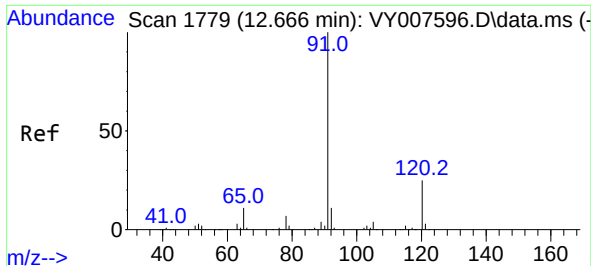
Tgt Ion: 75 Resp: 40266
Ion Ratio Lower Upper
75 100
77 4.2 0.0 0.0#



#77
Bromobenzene
Concen: 59.539 ug/l
RT: 12.398 min Scan# 1735
Delta R.T. -0.207 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion:156 Resp: 78273
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 0.3 48.0 144.0#

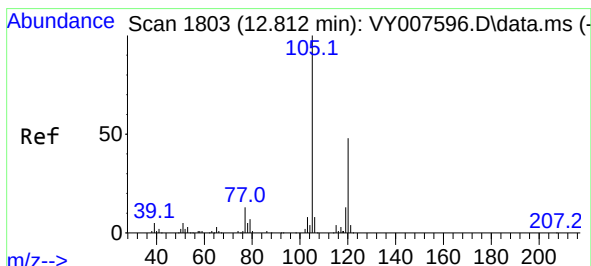
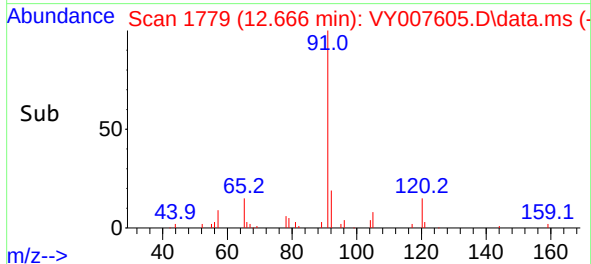
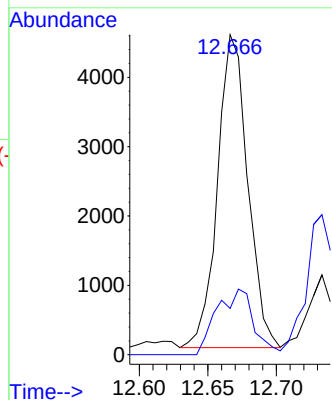
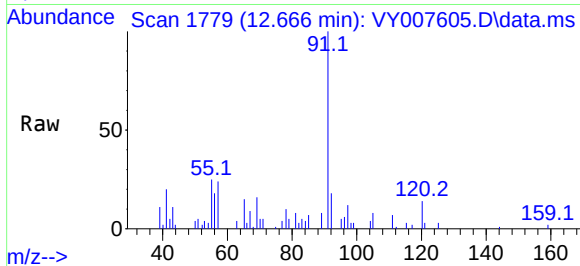




#78
n-propylbenzene
Concen: 1.189 ug/l
RT: 12.666 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

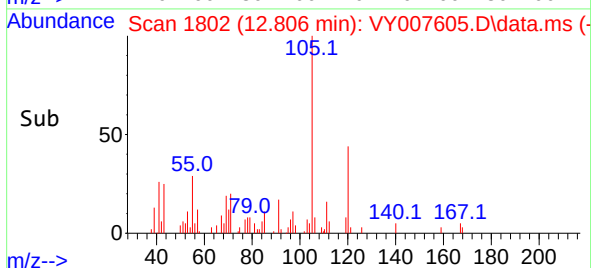
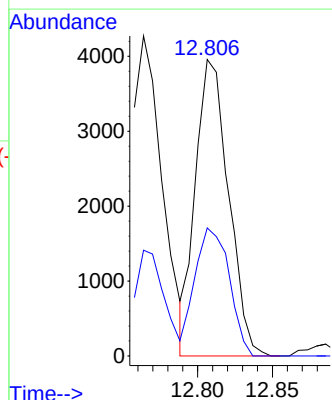
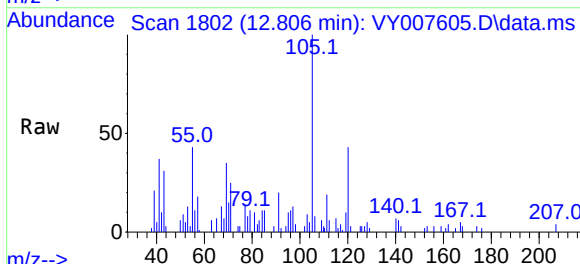
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

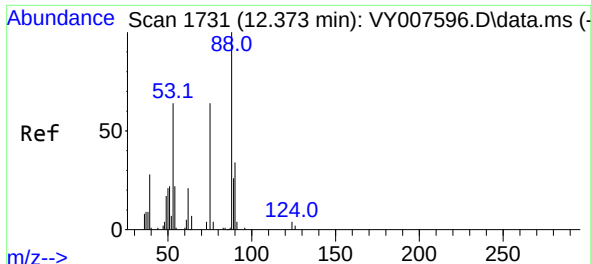
Tgt Ion: 91 Resp: 6924
Ion Ratio Lower Upper
91 100
120 25.5 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 1.417 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion: 105 Resp: 6081
Ion Ratio Lower Upper
105 100
120 44.9 24.4 73.4

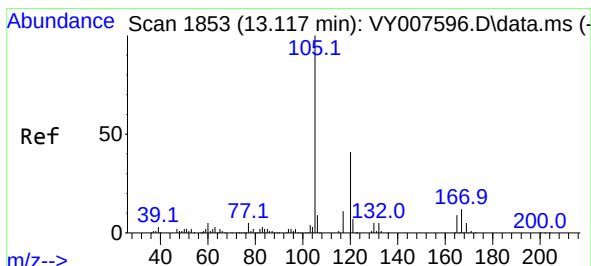
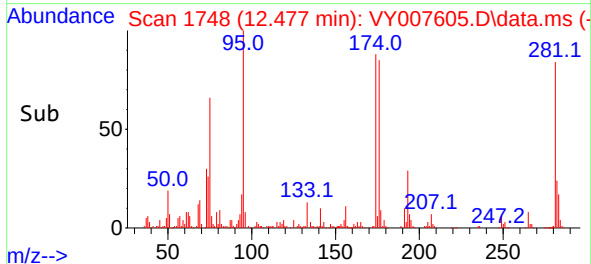
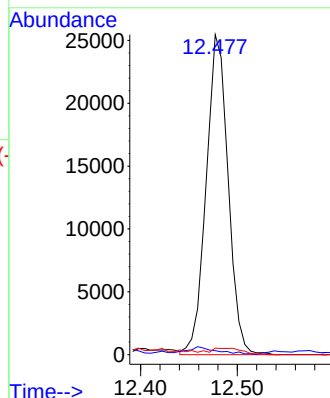
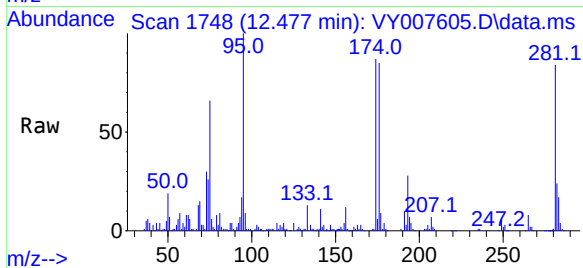




#81
trans-1,4-Dichloro-2-butene
Concen: 132.222 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

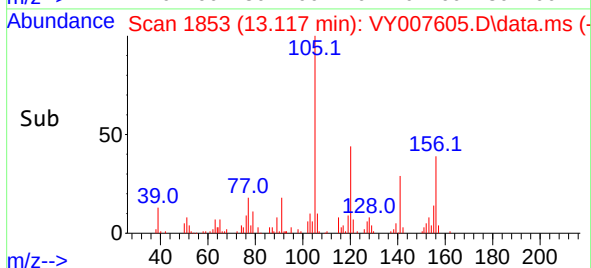
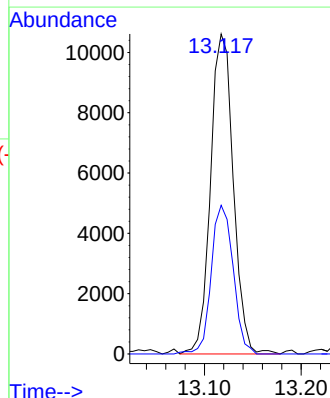
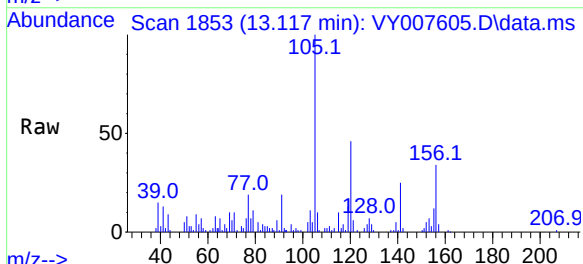
Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

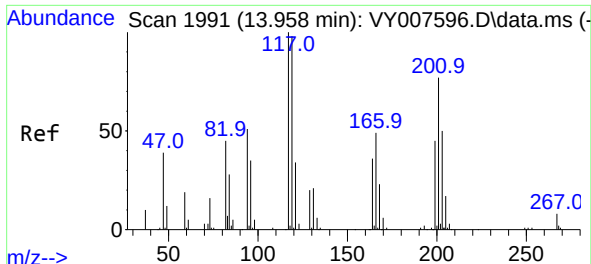
Tgt Ion: 75 Resp: 40266
Ion Ratio Lower Upper
75 100
53 3.4 85.3 127.9#
89 3.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 4.131 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion:105 Resp: 17369
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9

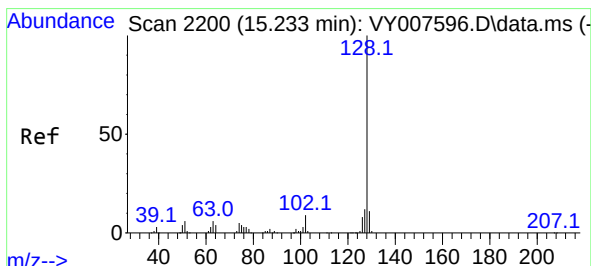
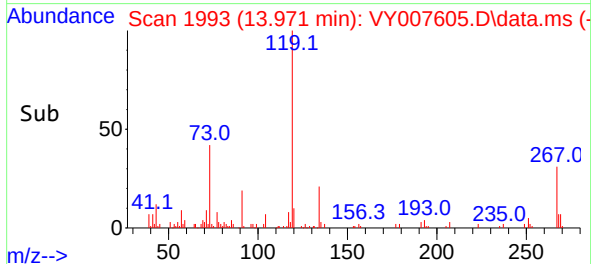
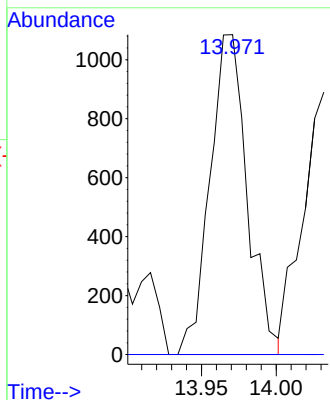
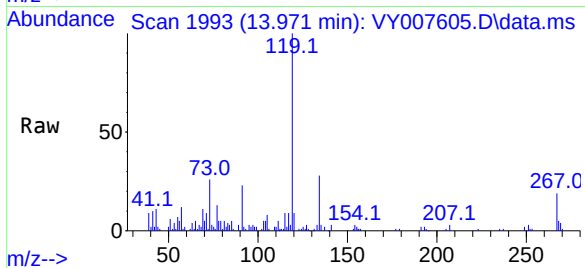




#90
Hexachloroethane
Concen: 2.016 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.013 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Instrument :
MSVOA_Y
ClientSampleId :
D12-7.5

Tgt Ion:117 Resp: 1892
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 3.770 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY007605.D
Acq: 23 Feb 2022 18:06

Tgt Ion:128 Resp: 12518
Ion Ratio Lower Upper
128 100
127 15.9 11.0 16.4
129 14.8 8.4 12.6#

