

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090721\
 Data File : VY005951.D
 Acq On : 07 Sep 2021 17:57
 Operator : SY/MD
 Sample : M3657-04
 Misc : 6.11G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 08 02:14:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

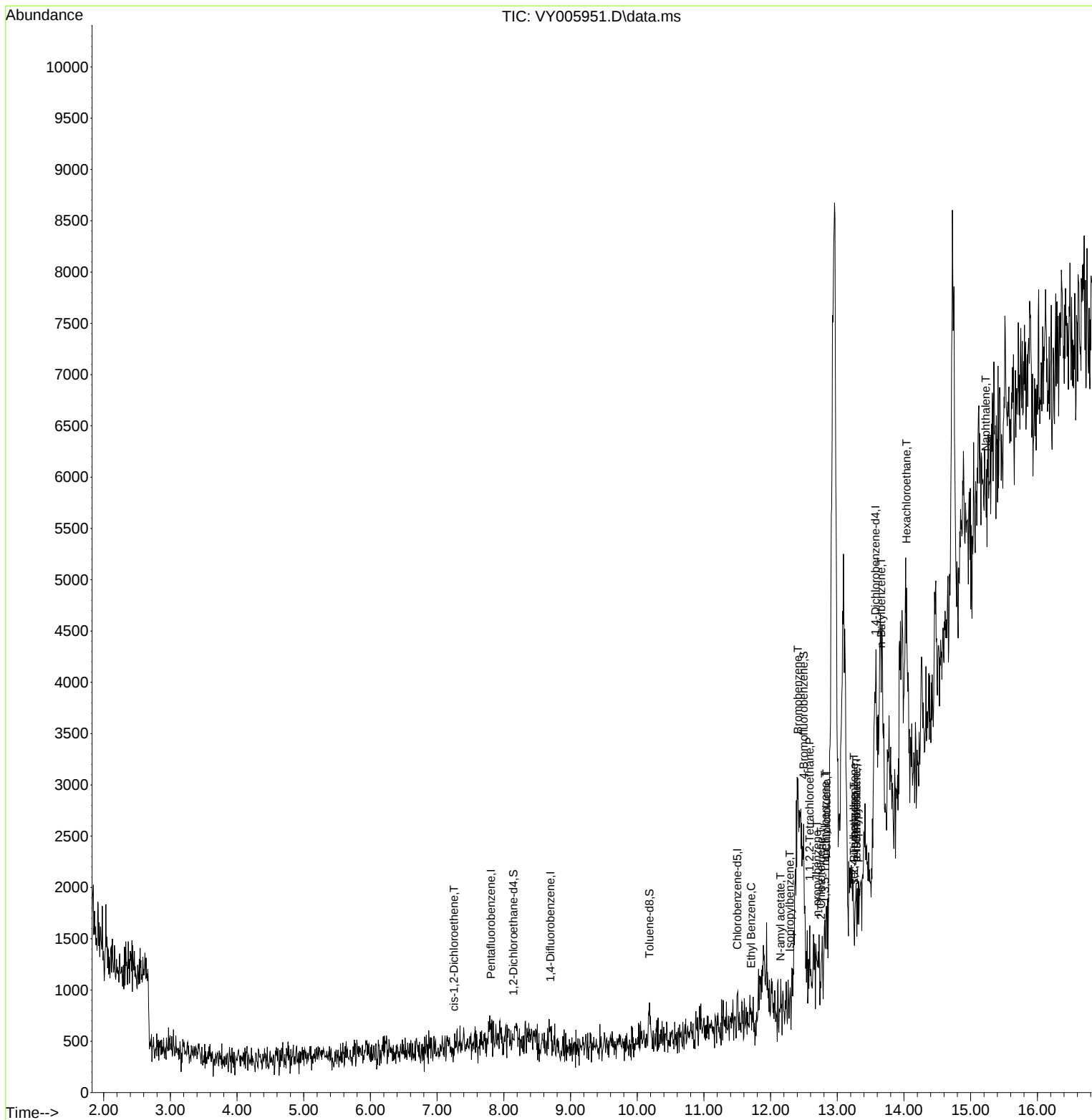
Internal Standards						
1) Pentafluorobenzene	7.807	168	308	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.697	114	398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	85	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.575	152	100	50.000	ug/l	# 0.15

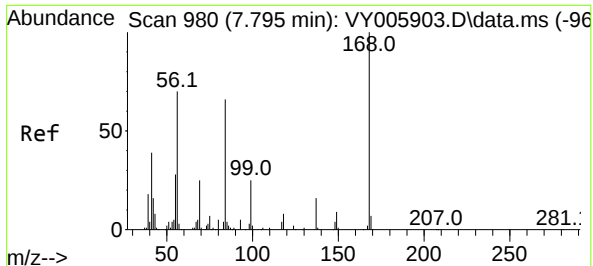
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	20	6.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	12.880%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.185	98	397	42.321	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.640%
62) 4-Bromofluorobenzene	12.495	95	213	67.623	ug/l	0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	135.240%

Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.253	96	46	13.877	ug/l	# 1
67) Ethyl Benzene	11.709	91	51	16.728	ug/l	# 43
73) Isopropylbenzene	12.288	105	21	3.151	ug/l	# 48
74) N-amyl acetate	12.148	43	49	25.624	ug/l	# 43
75) 1,1,2,2-Tetrachloroethane	12.587	83	19	14.979	ug/l	# 26
77) Bromobenzene	12.410	156	689	410.405	ug/l	# 1
78) n-propylbenzene	12.697	91	45	5.649	ug/l	# 51
79) 2-Chlorotoluene	12.758	91	60	13.530	ug/l	# 39
80) 1,3,5-Trimethylbenzene	12.819	105	20	3.581	ug/l	# 27
82) 4-Chlorotoluene	12.837	91	117	25.147	ug/l	# 38
83) tert-Butylbenzene	13.288	119	21	4.302	ug/l	# 1
84) 1,2,4-Trimethylbenzene	13.251	105	26	4.694	ug/l	# 30
85) sec-Butylbenzene	13.251	105	26	3.614	ug/l	# 54
86) p-Isopropyltoluene	13.288	119	21	3.369	ug/l	# 1
89) n-Butylbenzene	13.660	91	208	37.293	ug/l	# 33
90) Hexachloroethane	14.038	117	22	19.447	ug/l	# 2
95) Naphthalene	15.227	128	19	5.058	ug/l	# 1

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

Quant Time: Sep 08 02:14:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 01 05:32:43 2021
Response via : Initial Calibration

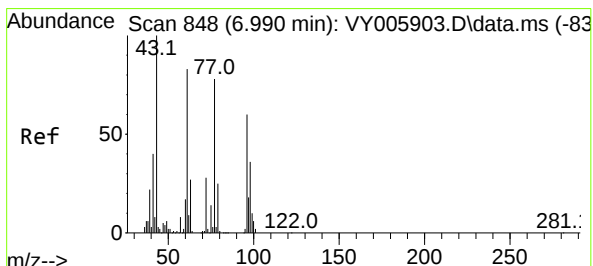
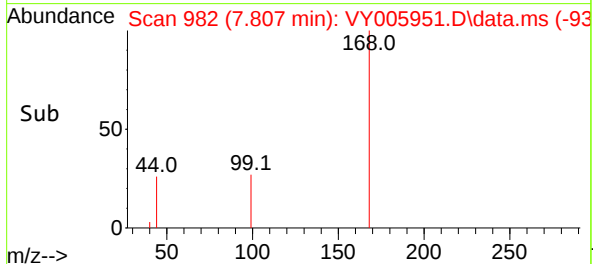
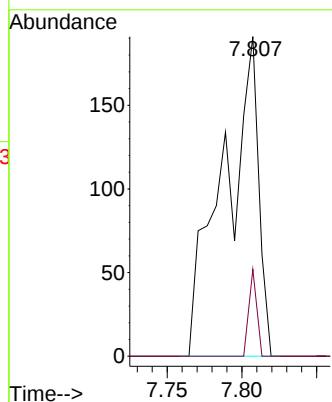
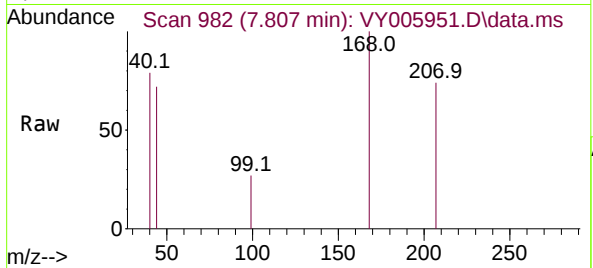




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

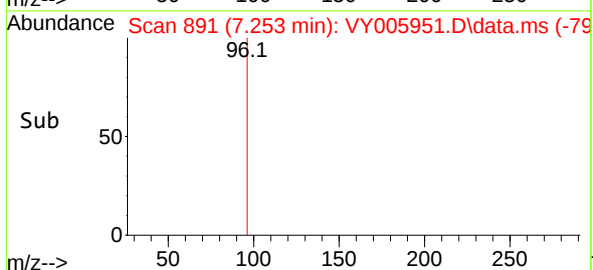
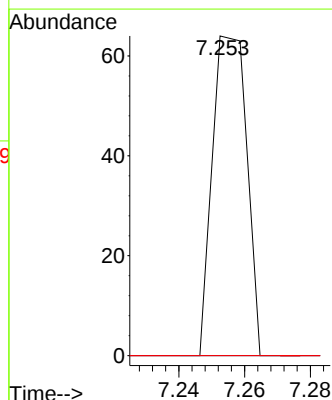
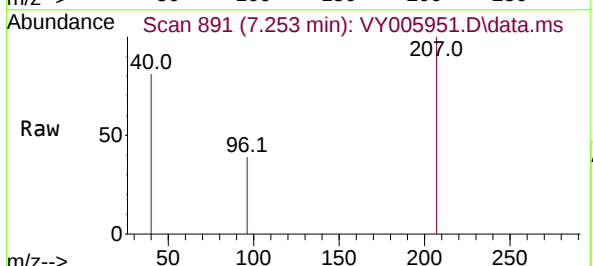
Instrument :
MSVOA_Y
ClientSampleId :

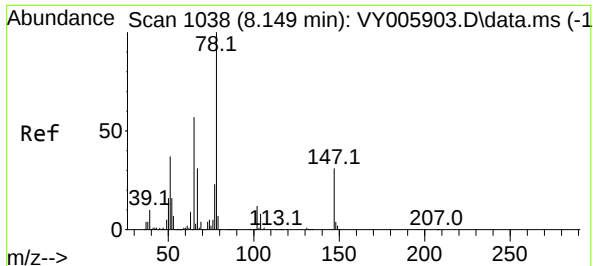
Tgt Ion:168 Resp: 308
Ion Ratio Lower Upper
168 100
99 27.2 40.6 60.8#



#27
cis-1,2-Dichloroethene
Concen: 13.877 ug/l
RT: 7.253 min Scan# 891
Delta R.T. 0.262 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Tgt Ion: 96 Resp: 46
Ion Ratio Lower Upper
96 100
61 0.0 0.0 289.2
98 0.0 0.0 126.8

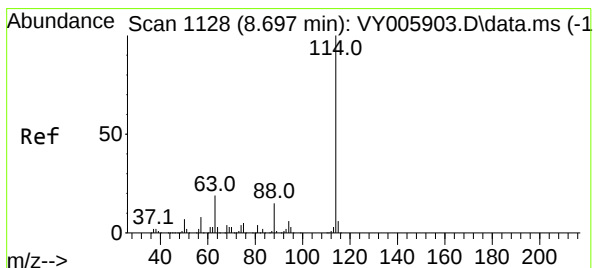
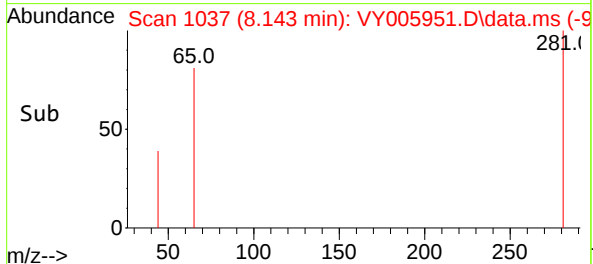
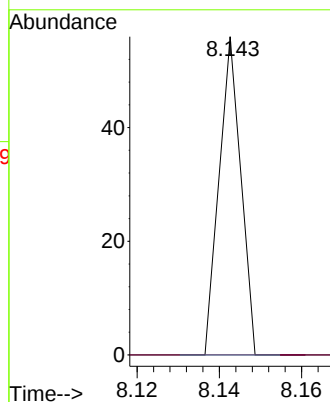
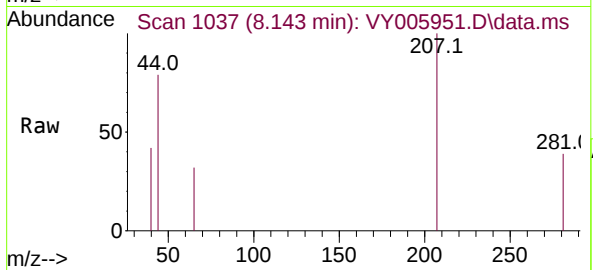




#33
1,2-Dichloroethane-d4
Concen: 6.444 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

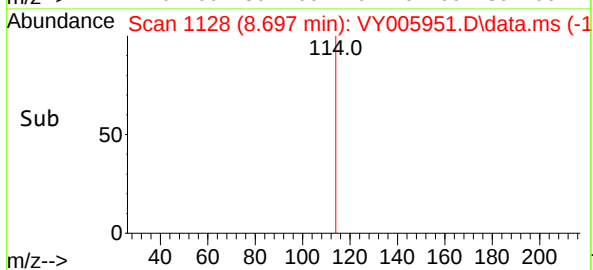
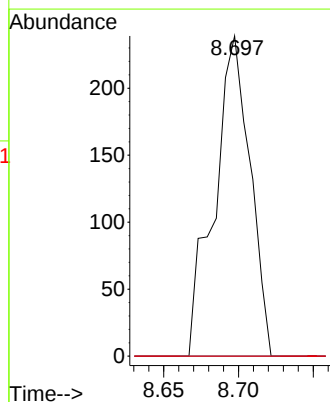
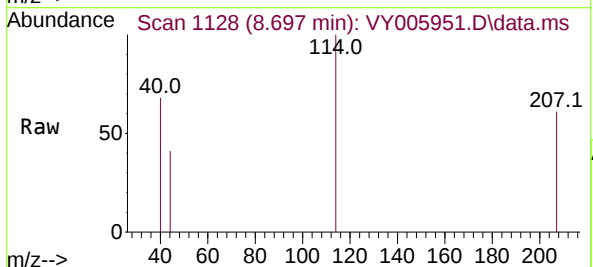
Instrument :
MSVOA_Y
ClientSampled :

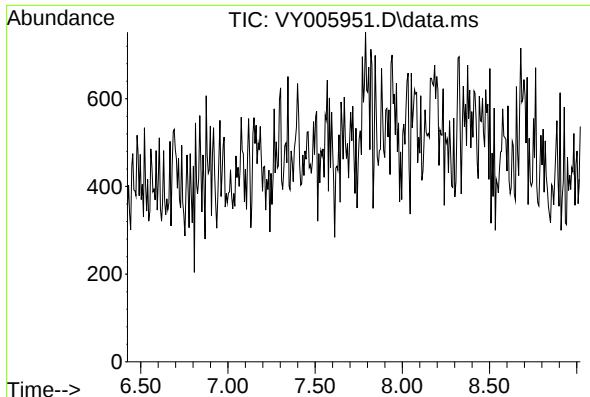
Tgt Ion: 65 Resp: 20
Ion Ratio Lower Upper
65 100
67 0.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Tgt Ion:114 Resp: 398
Ion Ratio Lower Upper
114 100
63 0.0 0.0 38.4
88 0.0 0.0 30.0

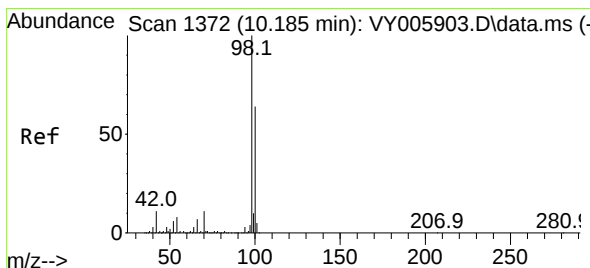
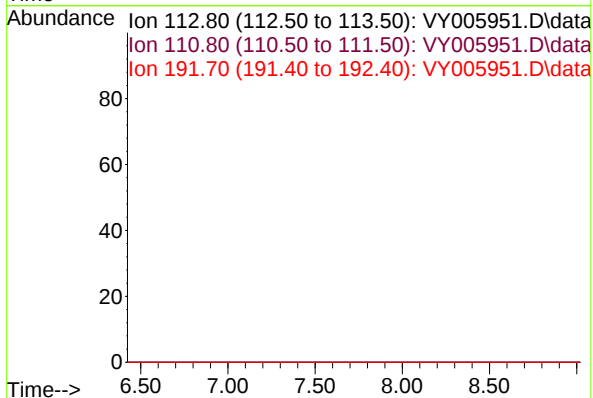




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.72 min
 Lab File: VY005951.D
 Acq: 07 Sep 2021 17:57

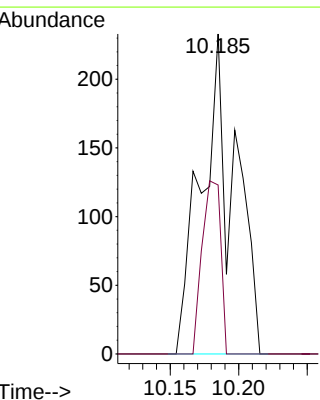
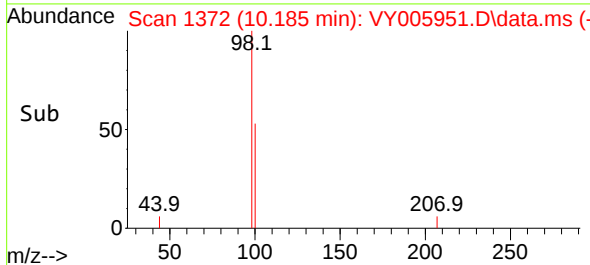
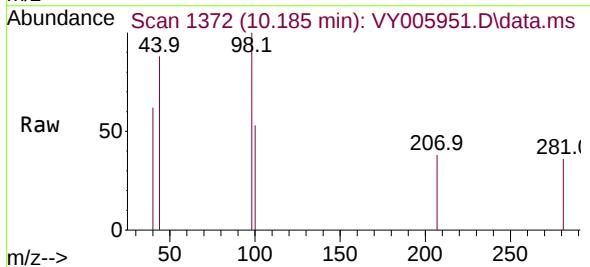
Instrument :
 MSVOA_Y
 ClientSampleId :

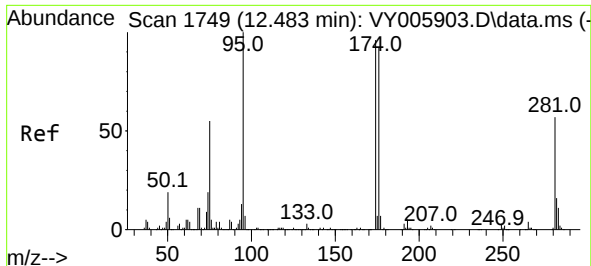
Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 102.4
 192 24.2



#50
 Toluene-d8
 Concen: 42.321 ug/l
 RT: 10.185 min Scan# 1372
 Delta R.T. 0.000 min
 Lab File: VY005951.D
 Acq: 07 Sep 2021 17:57

Tgt Ion: 98 Resp: 397
 Ion Ratio Lower Upper
 98 100
 100 30.0 50.9 76.3#

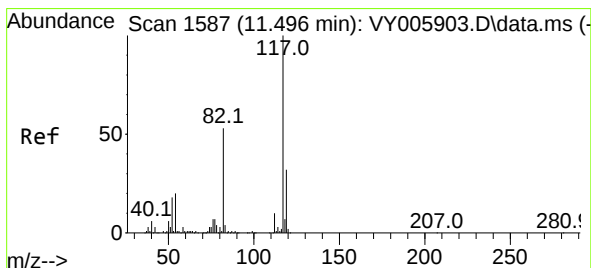
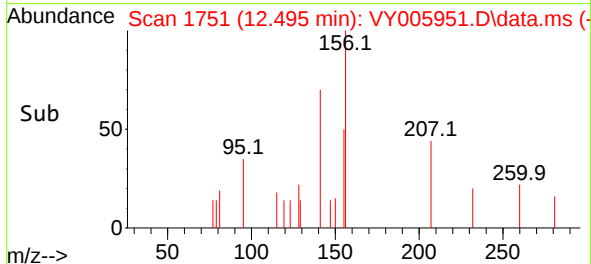
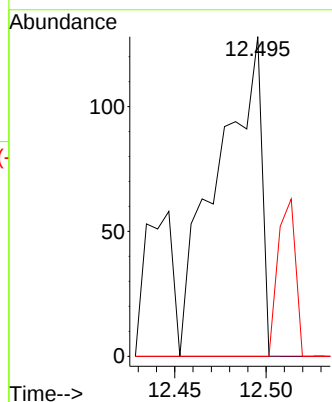
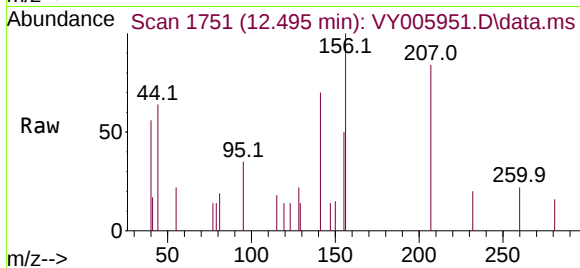




#62
4-Bromofluorobenzene
Concen: 67.623 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

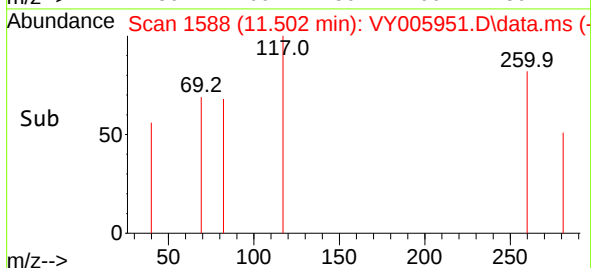
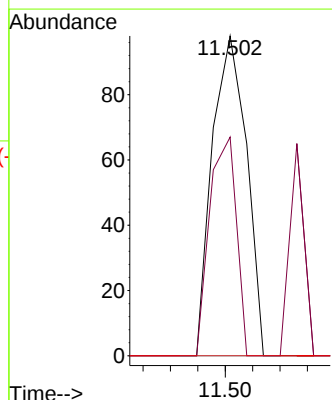
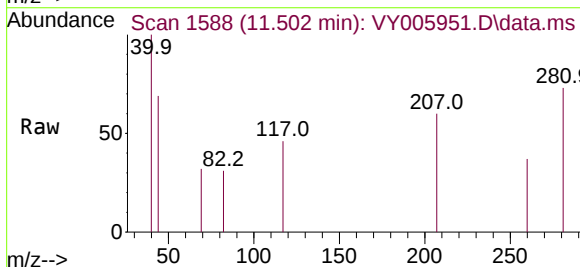
Instrument :
MSVOA_Y
ClientSampleId :

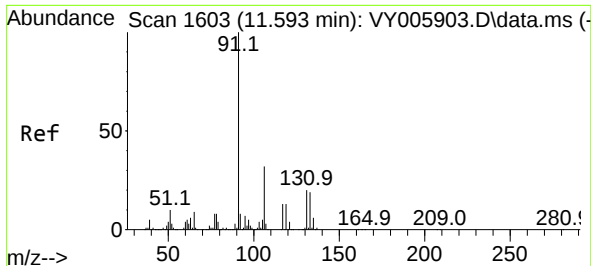
Tgt Ion: 95 Resp: 213
Ion Ratio Lower Upper
95 100
174 0.0 0.0 192.4
176 19.7 0.0 186.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Tgt Ion: 117 Resp: 85
Ion Ratio Lower Upper
117 100
82 68.4 42.4 63.6#
119 0.0 25.4 38.0#

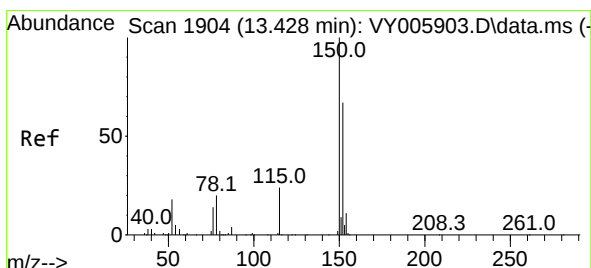
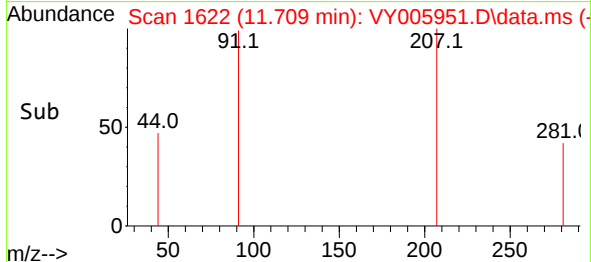
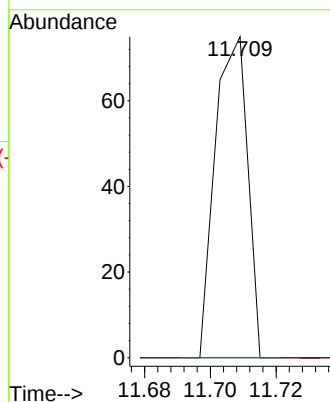
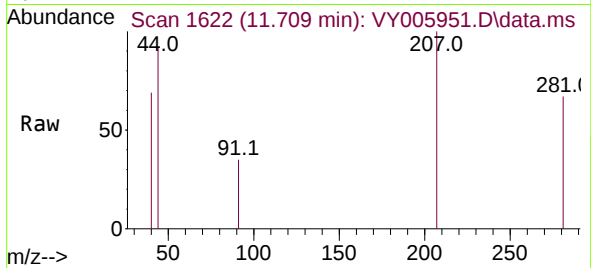




#67
Ethyl Benzene
Concen: 16.728 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.116 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

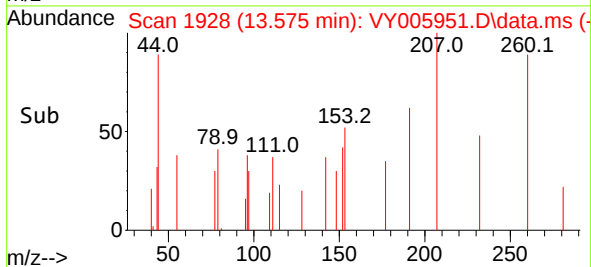
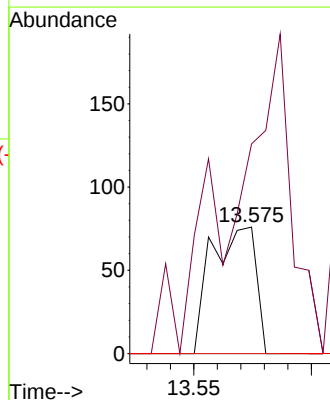
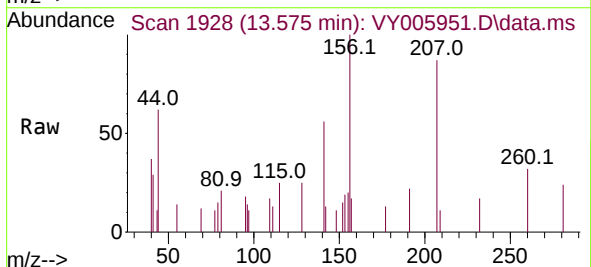
Instrument :
MSVOA_Y
ClientSampleId :

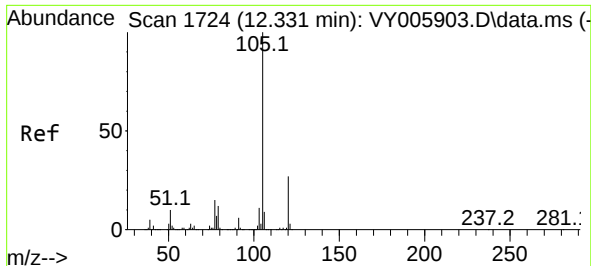
Tgt Ion: 91 Resp: 51
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.575 min Scan# 1928
Delta R.T. 0.146 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Tgt Ion:152 Resp: 100
Ion Ratio Lower Upper
152 100
115 233.0 26.8 80.4#
150 0.0 0.0 345.6

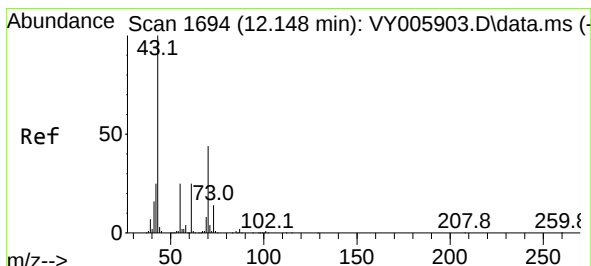
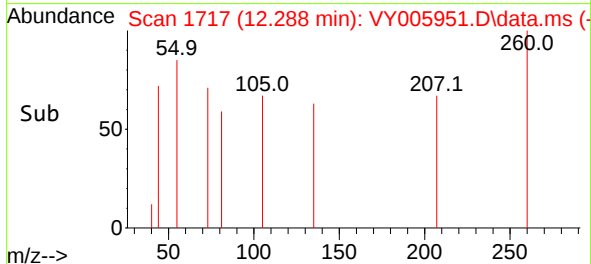
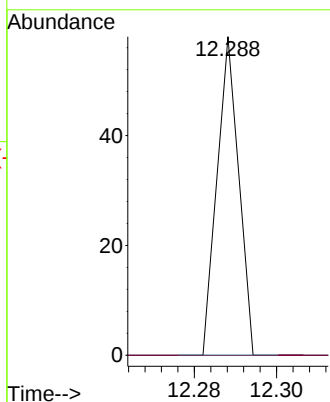
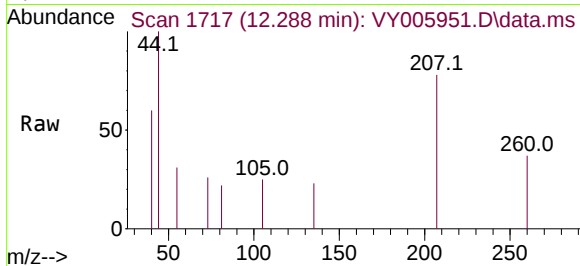




#73
Isopropylbenzene
Concen: 3.151 ug/l
RT: 12.288 min Scan# 1717
Delta R.T. -0.043 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

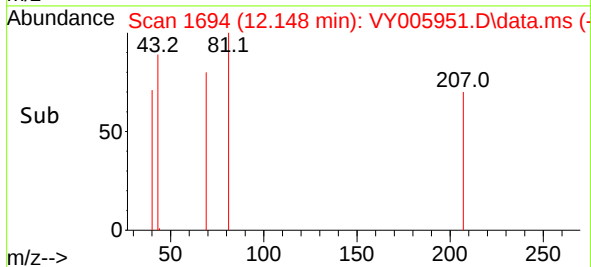
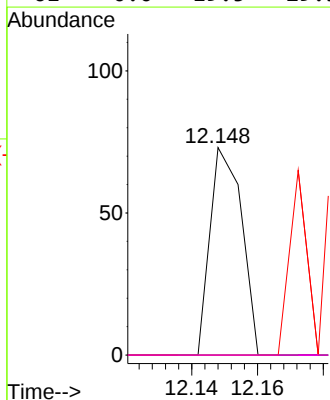
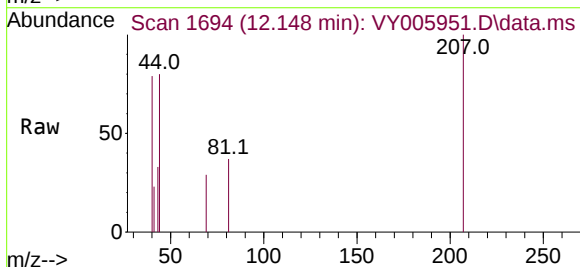
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MSVOA_Y
ClientSampled :

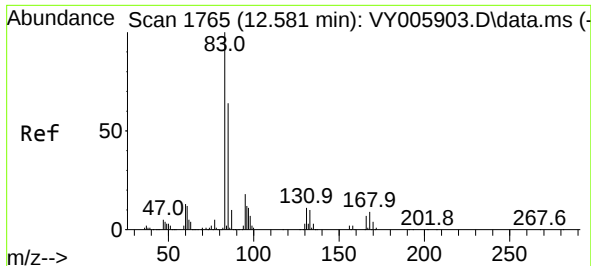
Tgt Ion:105 Resp: 21
Ion Ratio Lower Upper
105 100
120 0.0 13.7 41.0#



#74
N-ethyl acetate
Concen: 25.624 ug/l
RT: 12.148 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
70 0.0 34.2 51.4#
55 0.0 19.4 29.2#
61 0.0 19.5 29.3#

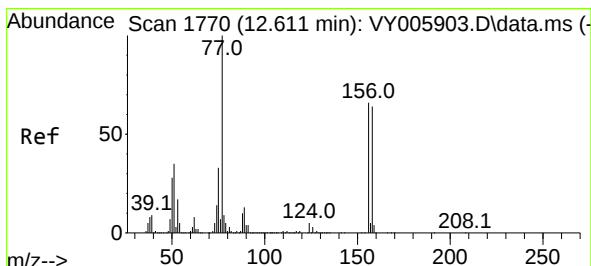
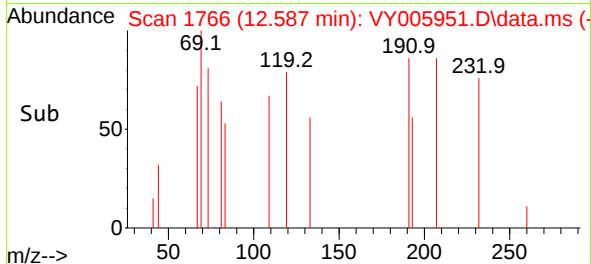
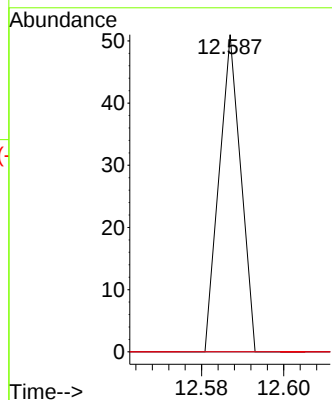
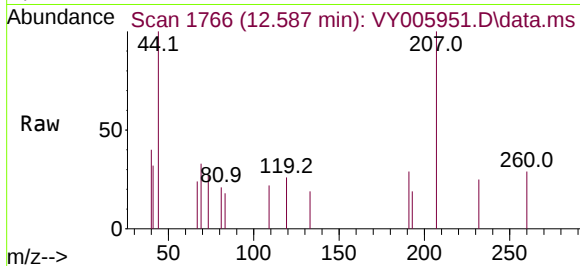




#75
1,1,2,2-Tetrachloroethane
Concen: 14.979 ug/l
RT: 12.587 min Scan# 1766
Delta R.T. 0.006 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

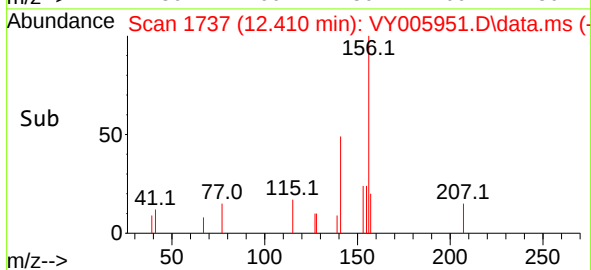
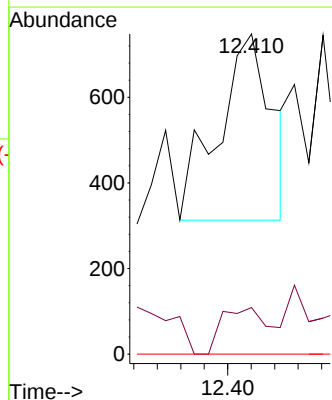
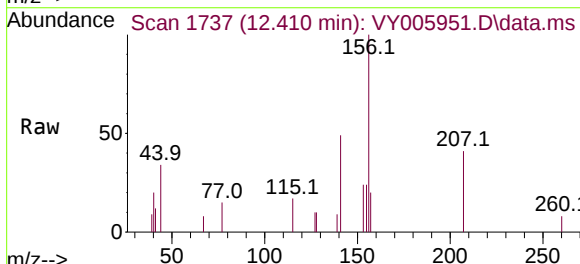
Instrument :
MSVOA_Y
ClientSampled :

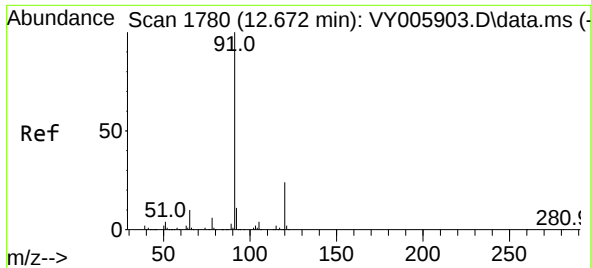
Tgt Ion: 83 Resp: 19
Ion Ratio Lower Upper
83 100
131 0.0 5.7 17.0#
85 0.0 31.9 95.9#



#77
Bromobenzene
Concen: 410.405 ug/l
RT: 12.410 min Scan# 1737
Delta R.T. -0.201 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Tgt Ion: 156 Resp: 689
Ion Ratio Lower Upper
156 100
77 22.9 85.9 257.7#
158 0.0 48.3 144.9#

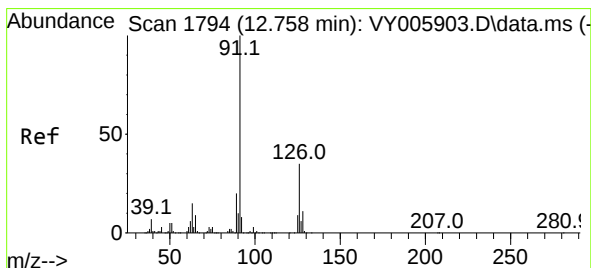
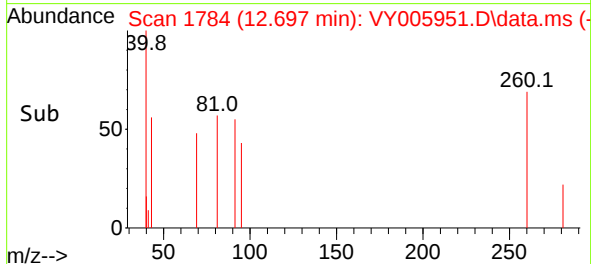
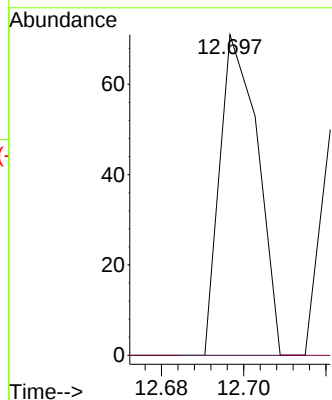
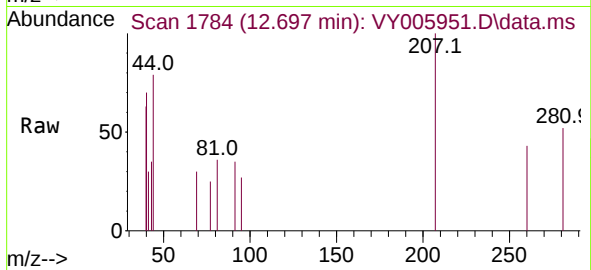




#78
n-propylbenzene
Concen: 5.649 ug/l
RT: 12.697 min Scan# 1784
Delta R.T. 0.024 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

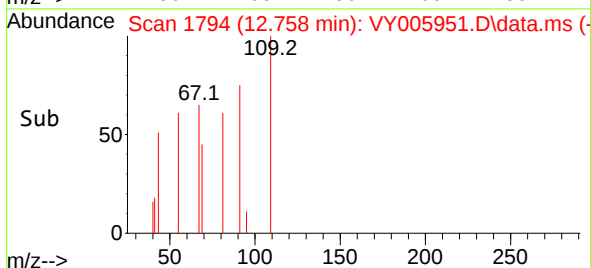
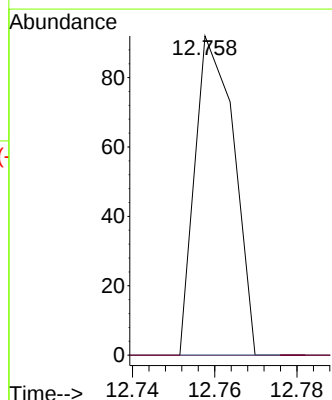
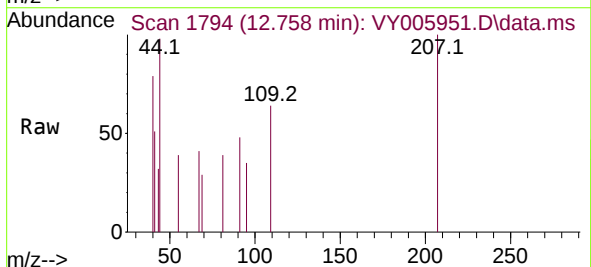
Instrument :
MSVOA_Y
ClientSampled :

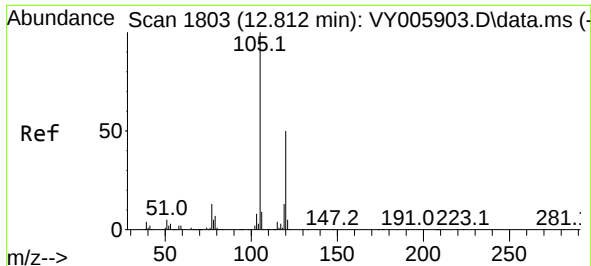
Tgt Ion: 91 Resp: 45
Ion Ratio Lower Upper
91 100
120 0.0 11.9 35.9#



#79
2-Chlorotoluene
Concen: 13.530 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Tgt Ion: 91 Resp: 60
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.4#

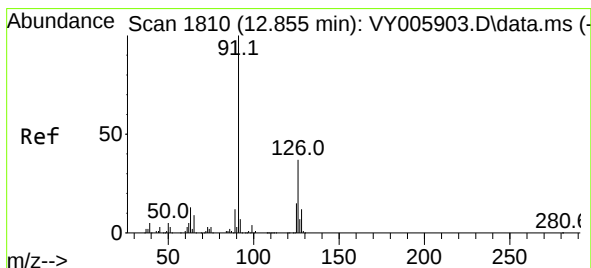
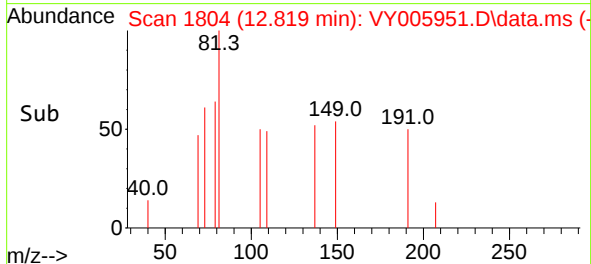
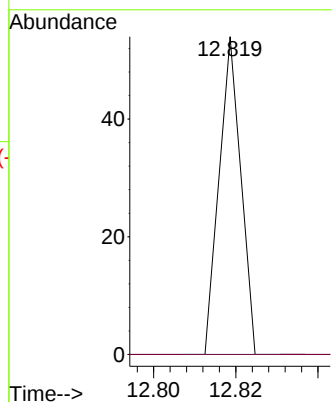
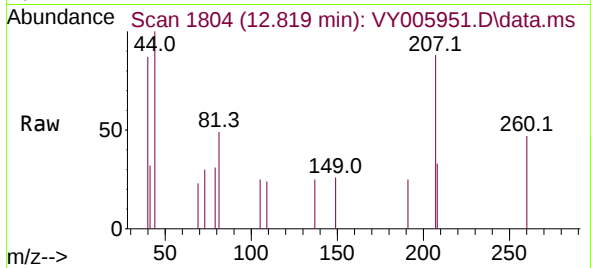




#80
1,3,5-Trimethylbenzene
Concen: 3.581 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

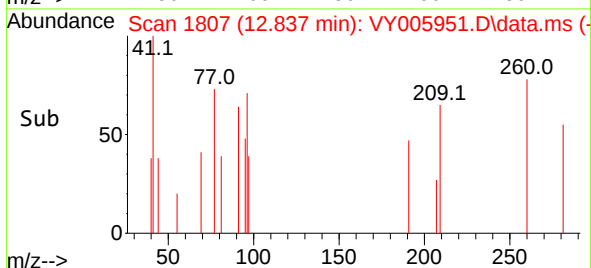
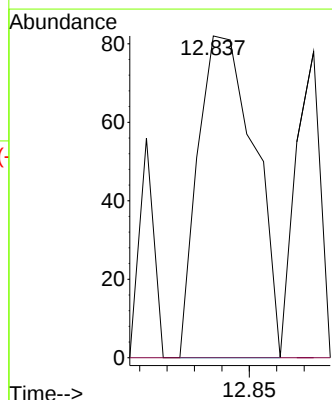
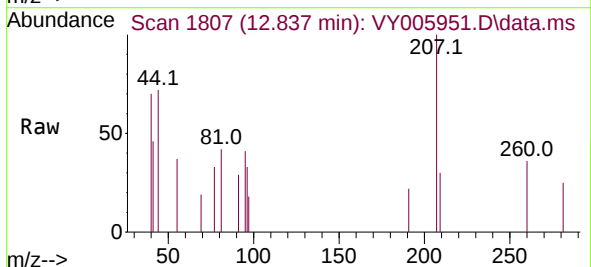
Instrument :
MSVOA_Y
ClientSampled :

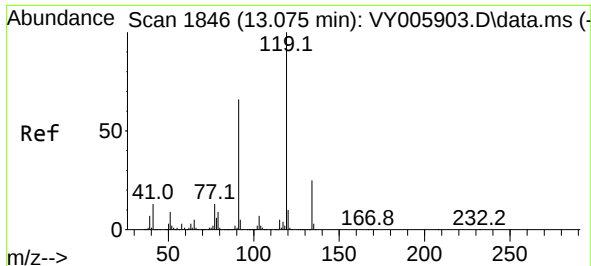
Tgt Ion:105 Resp: 20
Ion Ratio Lower Upper
105 100
120 0.0 25.2 75.6#



#82
4-Chlorotoluene
Concen: 25.147 ug/l
RT: 12.837 min Scan# 1807
Delta R.T. -0.018 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Tgt Ion: 91 Resp: 117
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#

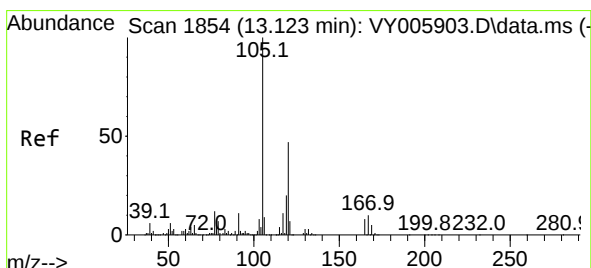
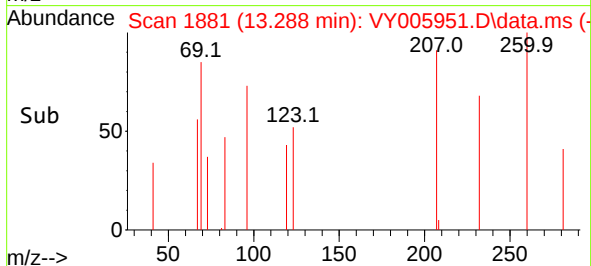
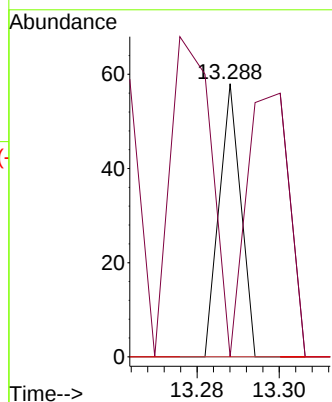
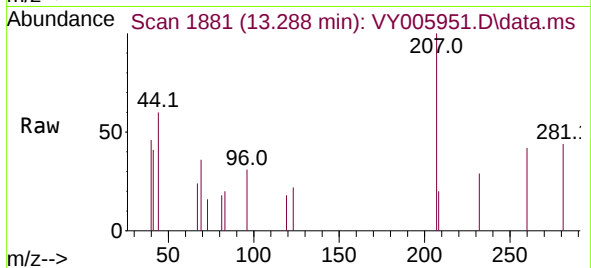




#83
tert-Butylbenzene
Concen: 4.302 ug/l
RT: 13.288 min Scan# 1881
Delta R.T. 0.213 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

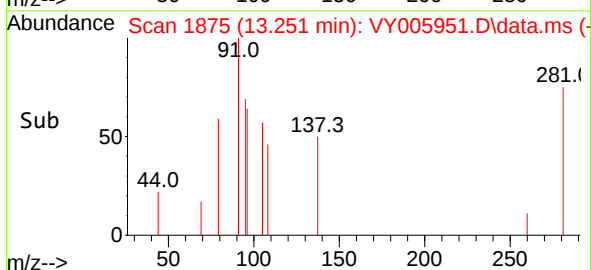
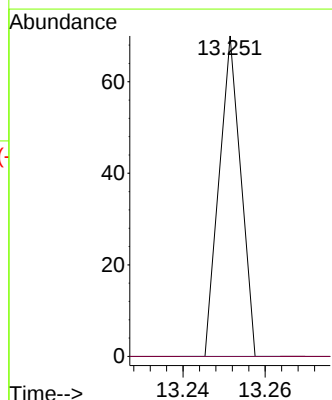
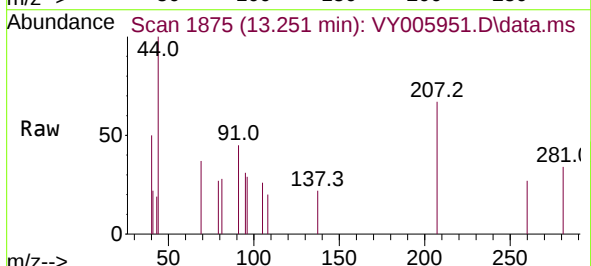
Instrument :
MSVOA_Y
ClientSampled :

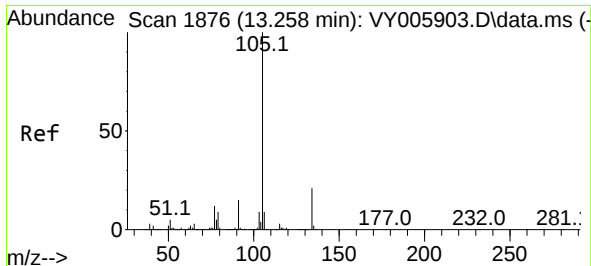
Tgt Ion:119 Resp: 21
Ion Ratio Lower Upper
119 100
91 190.5 32.4 97.0#
134 0.0 13.5 40.5#



#84
1,2,4-Trimethylbenzene
Concen: 4.694 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.128 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Tgt Ion:105 Resp: 26
Ion Ratio Lower Upper
105 100
120 0.0 23.3 69.9#

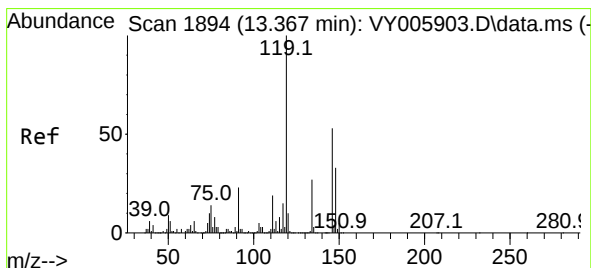
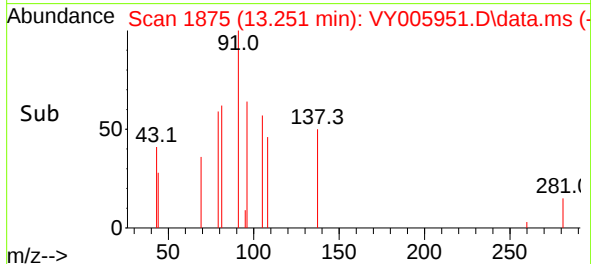
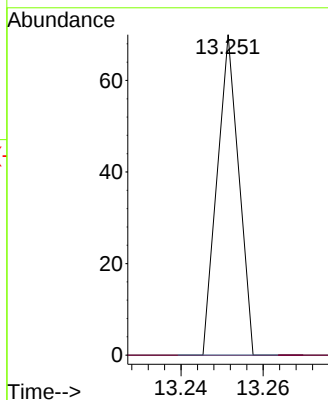
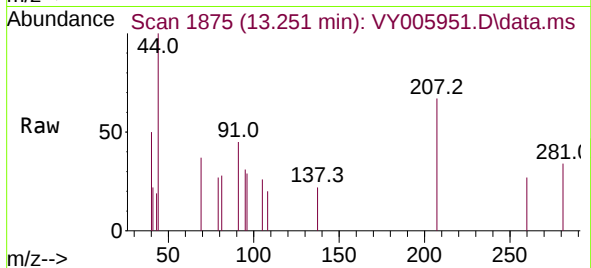




#85
 sec-Butylbenzene
 Concen: 3.614 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.006 min
 Lab File: VY005951.D
 Acq: 07 Sep 2021 17:57

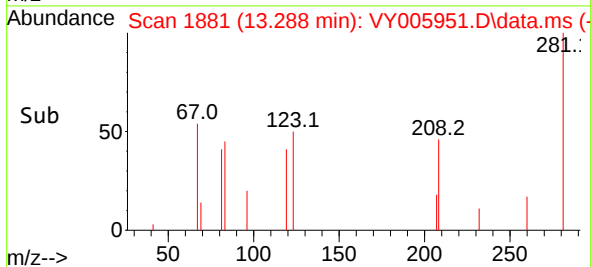
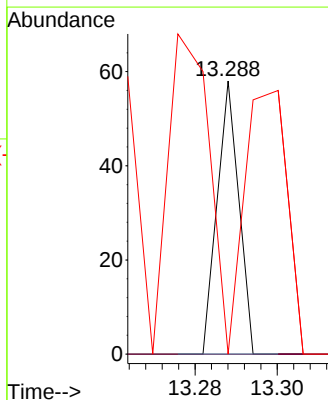
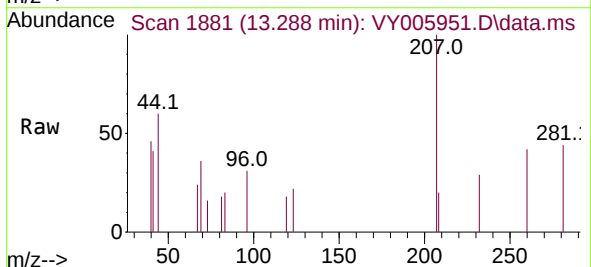
Instrument :
 MSVOA_Y
 ClientSampleId :

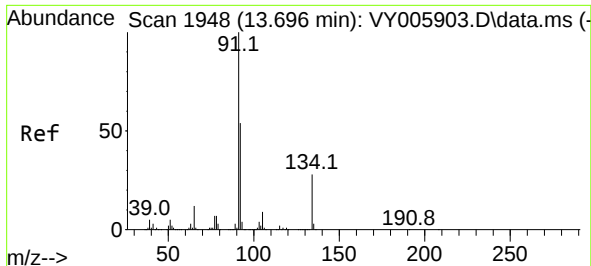
Tgt Ion:105 Resp: 26
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.3#



#86
 p-Isopropyltoluene
 Concen: 3.369 ug/l
 RT: 13.288 min Scan# 1881
 Delta R.T. -0.079 min
 Lab File: VY005951.D
 Acq: 07 Sep 2021 17:57

Tgt Ion:119 Resp: 21
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.7 41.1#
 91 190.5 11.4 34.2#





#89

n-Butylbenzene

Concen: 37.293 ug/l

RT: 13.660 min Scan# 1942

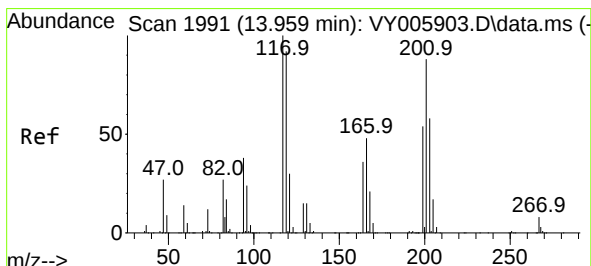
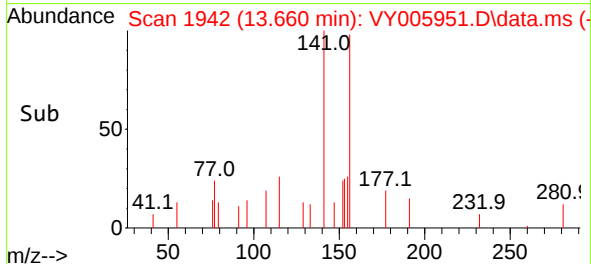
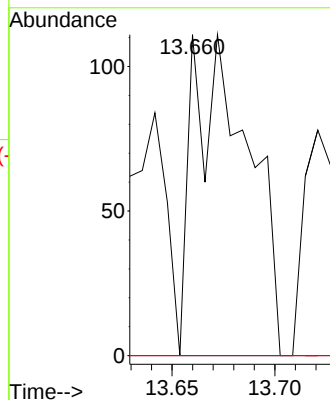
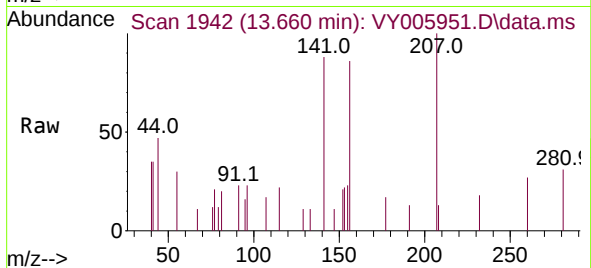
Delta R.T. -0.037 min

Lab File: VY005951.D

Acq: 07 Sep 2021 17:57

Tgt Ion:	91	Resp:	208
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.7	80.0#
134	0.0	14.1	42.2#

Instrument :
MSVOA_Y
ClientSampleId :



#90

Hexachloroethane

Concen: 19.447 ug/l

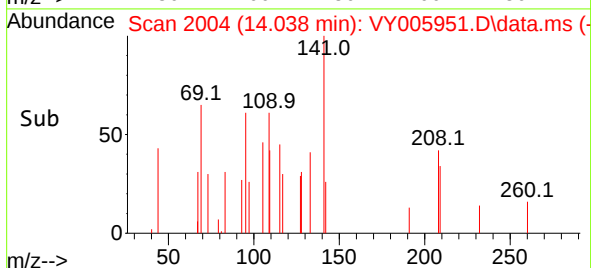
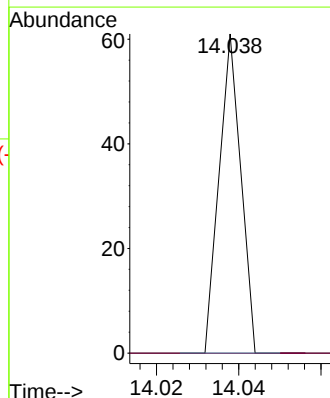
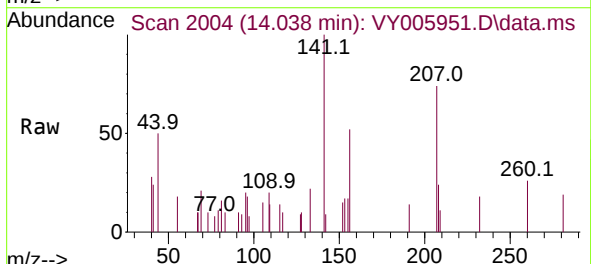
RT: 14.038 min Scan# 2004

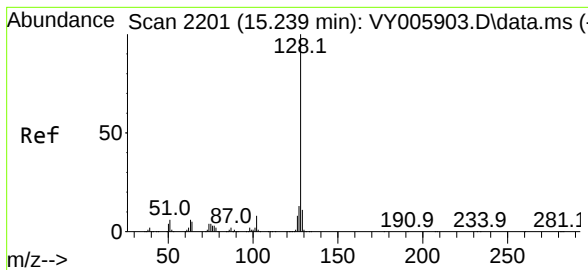
Delta R.T. 0.079 min

Lab File: VY005951.D

Acq: 07 Sep 2021 17:57

Tgt Ion:	117	Resp:	22
Ion	Ratio	Lower	Upper
117	100		
201	0.0	47.2	141.6#





#95
Naphthalene
Concen: 5.058 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY005951.D
Acq: 07 Sep 2021 17:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:	128	Resp:	19
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	273.7	8.7	13.1#

