

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092021\
 Data File : VY006091.D
 Acq On : 20 Sep 2021 13:10
 Operator : SY/MD
 Sample : M3770-02
 Misc : 6.41G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 02:10:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

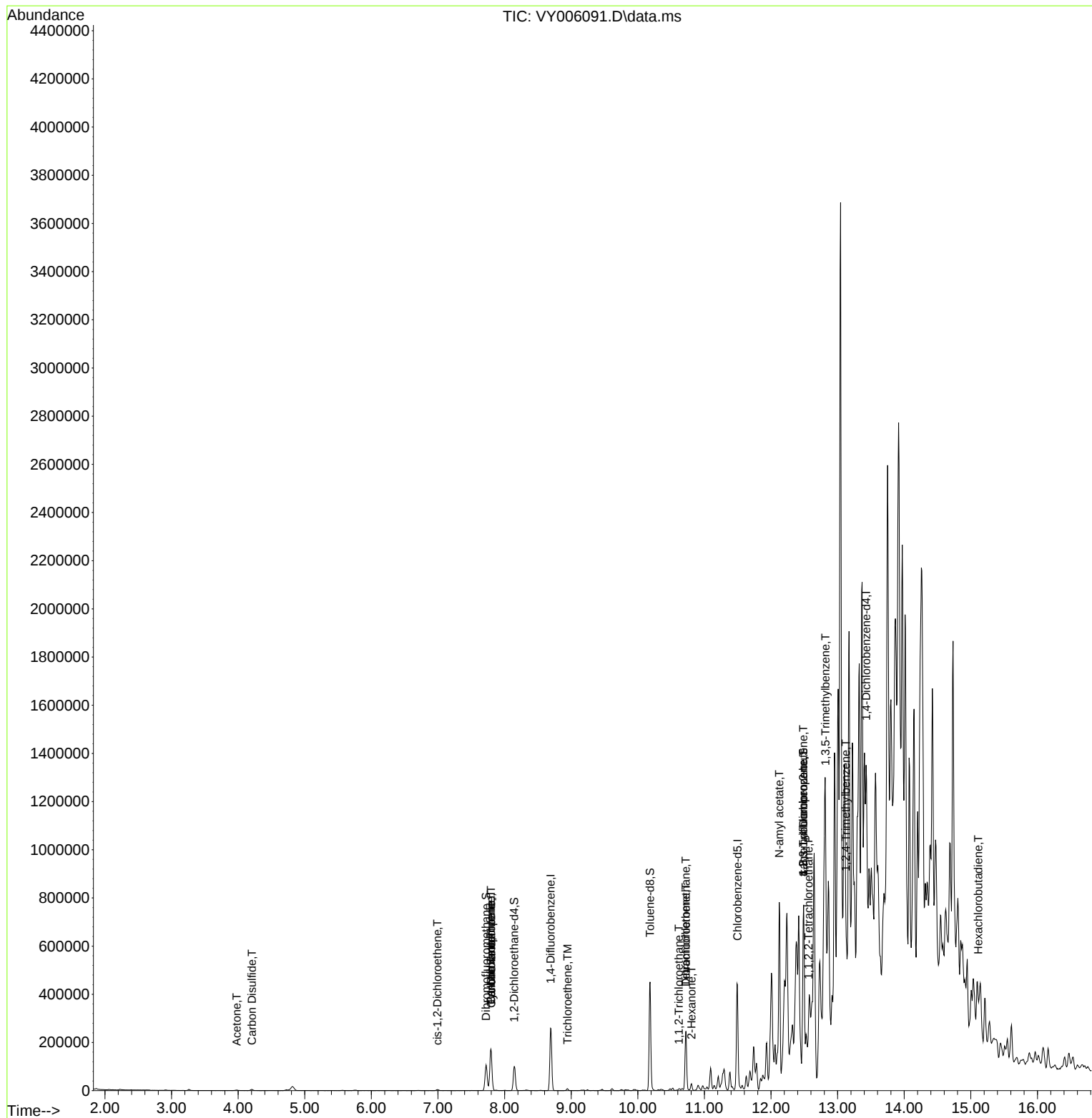
Internal Standards						
1) Pentafluorobenzene	7.795	168	136150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	216114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	228784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84238	44.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.080%		
35) Dibromofluoromethane	7.722	113	71035	52.920	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.840%		
50) Toluene-d8	10.185	98	278869	48.745	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.480%		
62) 4-Bromofluorobenzene	12.483	95	117655	60.572	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	121.140%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	111	Below Cal	#	77
16) Acetone	3.979	43	4949	9.541	ug/l	94
17) Carbon Disulfide	4.204	76	9705	2.138	ug/l #	91
20) Methylene Chloride	4.728	84	1958	Below Cal		97
27) cis-1,2-Dichloroethene	6.990	96	2345	1.379	ug/l	87
31) Cyclohexane	7.801	56	3271	1.080	ug/l #	27
36) 1,1-Dichloropropene	7.795	75	10193	4.370	ug/l #	52
38) Carbon Tetrachloride	7.795	117	13312	5.242	ug/l #	15
44) Trichloroethene	8.947	130	2698	1.619	ug/l	81
55) 1,1,2-Trichloroethane	10.618	97	2586	2.101	ug/l #	19
59) 2-Hexanone	10.807	43	11055	10.008	ug/l #	34
60) Dibromochloromethane	10.721	129	45245	29.817	ug/l #	11
64) Tetrachloroethene	10.721	164	51266	27.397	ug/l	98
74) N-amyl acetate	12.123	43	159215	46.419	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.562	83	17709	9.583	ug/l #	2
76) 1,2,3-Trichloropropane	12.483	75	61894	45.767	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.818	105	9720	1.180	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	61894	84.143	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	19761	2.418	ug/l	98
94) Hexachlorobutadiene	15.111	225	2871	1.741	ug/l	95

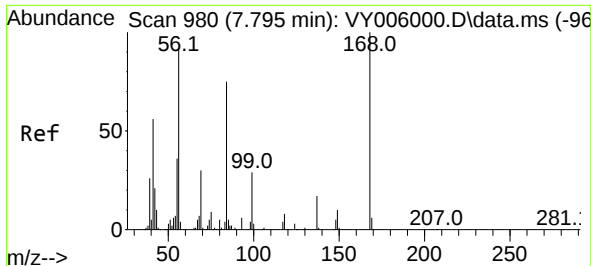
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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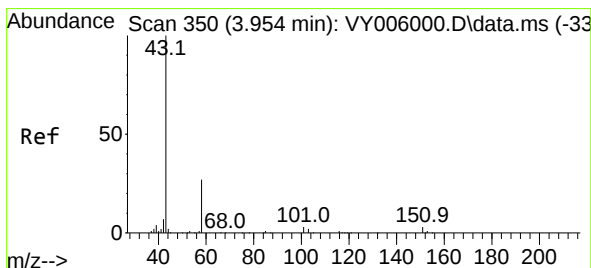
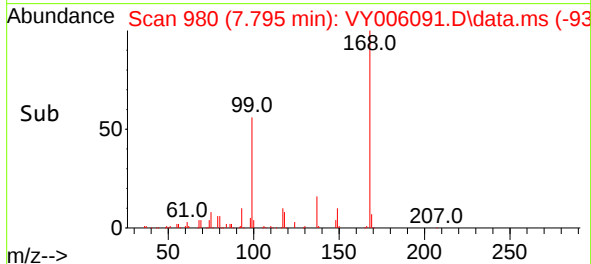
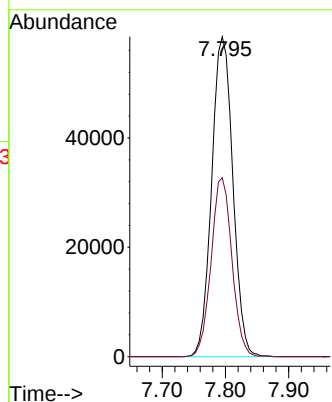
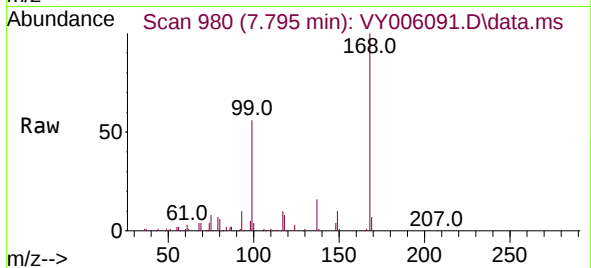




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

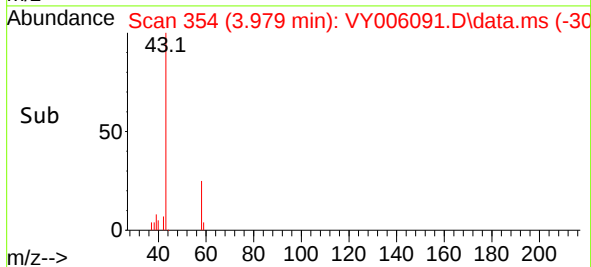
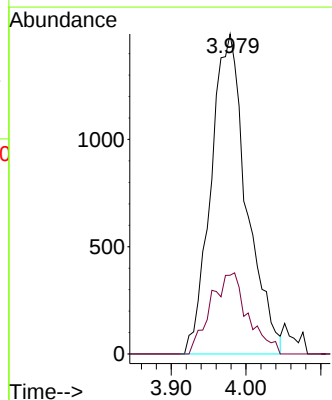
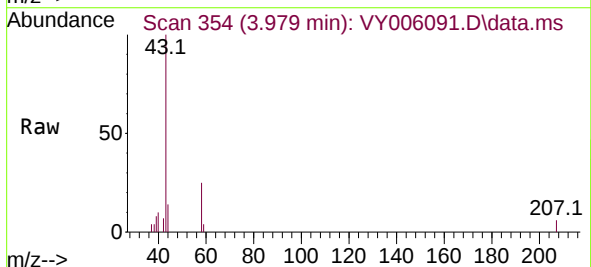
Instrument :
MSVOA_Y
ClientSampled :

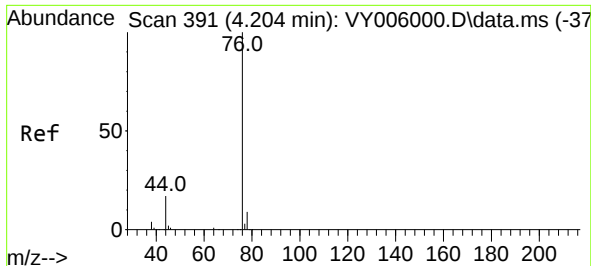
Tgt Ion:168 Resp: 136150
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#16
Acetone
Concen: 9.541 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.024 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

Tgt Ion: 43 Resp: 4949
Ion Ratio Lower Upper
43 100
58 24.6 22.0 33.0

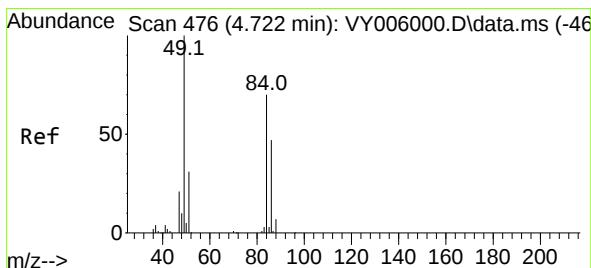
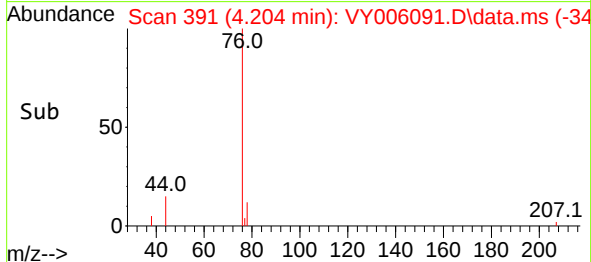
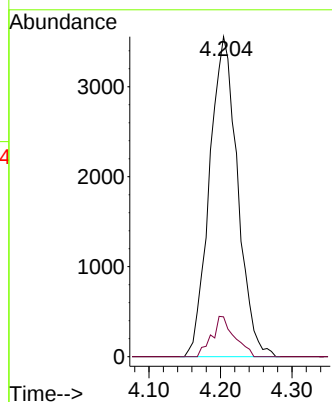
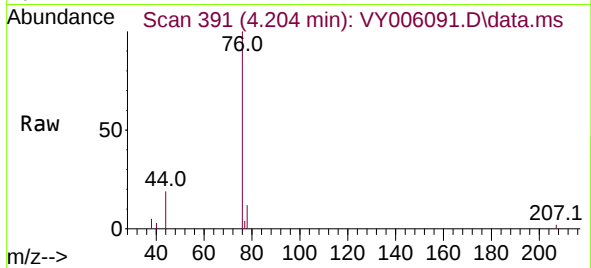




#17
Carbon Disulfide
Concen: 2.138 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

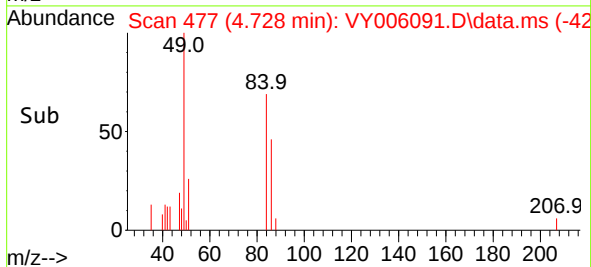
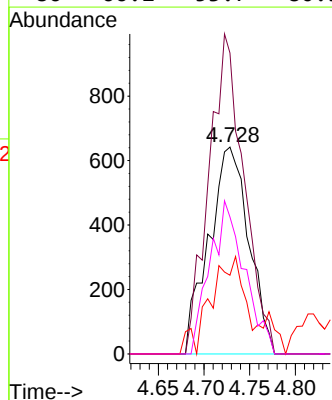
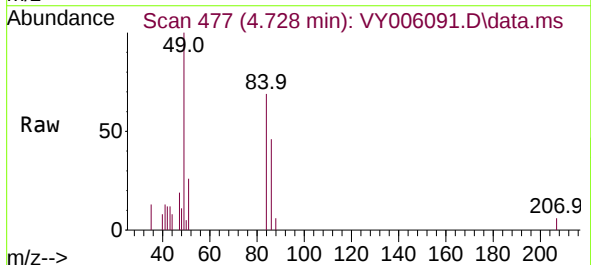
Instrument :
MSVOA_Y
ClientSampled :

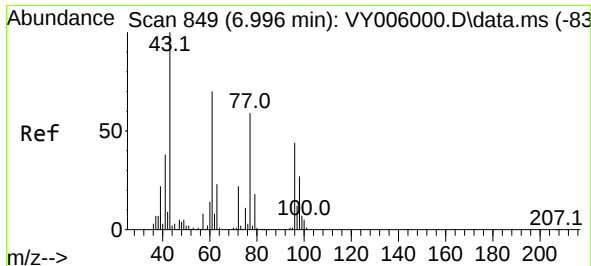
Tgt Ion: 76 Resp: 9705
Ion Ratio Lower Upper
76 100
78 12.5 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

Tgt Ion: 84 Resp: 1958
Ion Ratio Lower Upper
84 100
49 145.5 114.4 171.6
51 38.0 35.3 52.9
86 66.2 53.7 80.5





#27

cis-1,2-Dichloroethene

Concen: 1.379 ug/l

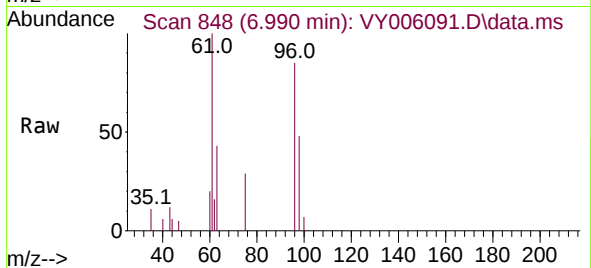
RT: 6.990 min Scan# 848

Delta R.T. -0.006 min

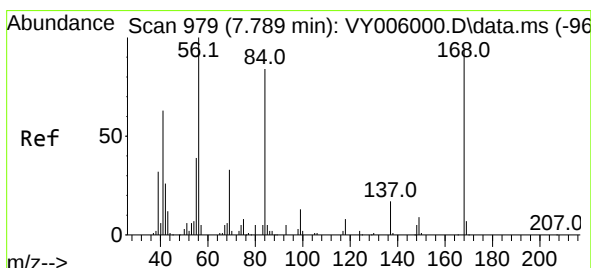
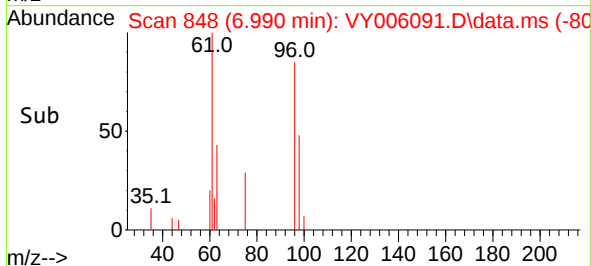
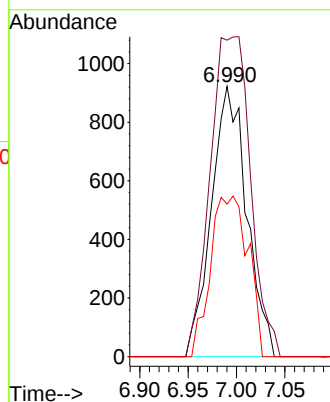
Lab File: VY006091.D

Acq: 20 Sep 2021 13:10

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion:	96	Resp:	2345
Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	319.8
98	63.2	0.0	127.0



#31

Cyclohexane

Concen: 1.080 ug/l

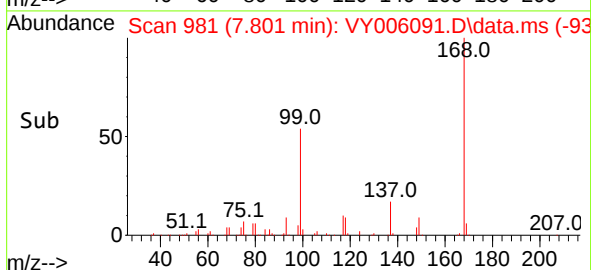
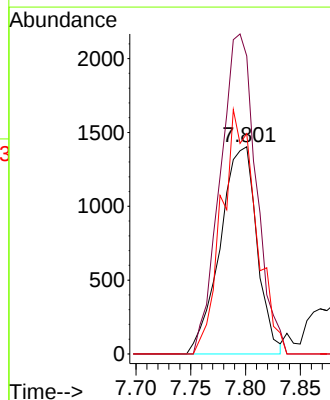
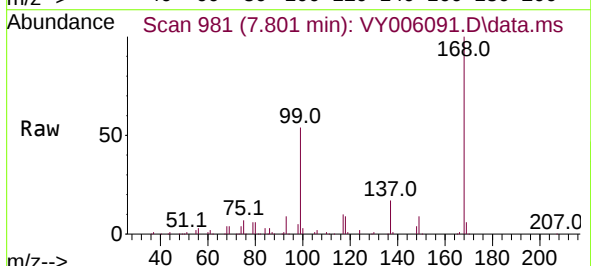
RT: 7.801 min Scan# 981

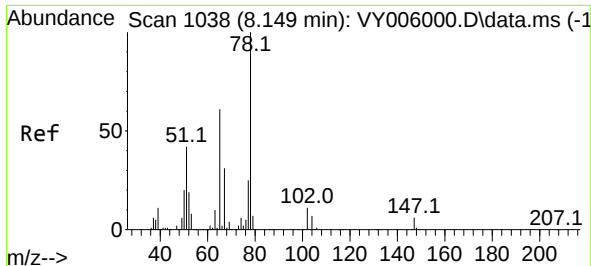
Delta R.T. 0.012 min

Lab File: VY006091.D

Acq: 20 Sep 2021 13:10

Tgt Ion:	56	Resp:	3271
Ion	Ratio	Lower	Upper
56	100		
69	143.8	26.7	40.1#
84	106.3	67.2	100.8#

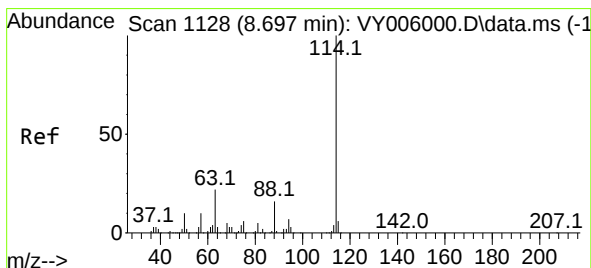
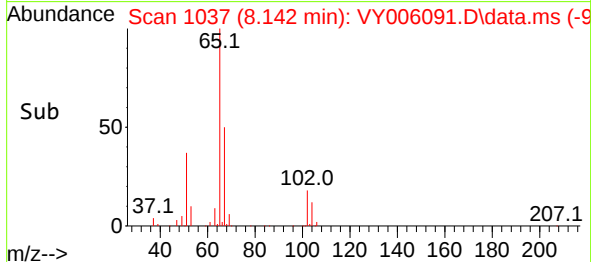
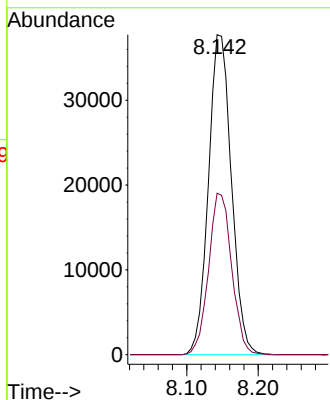
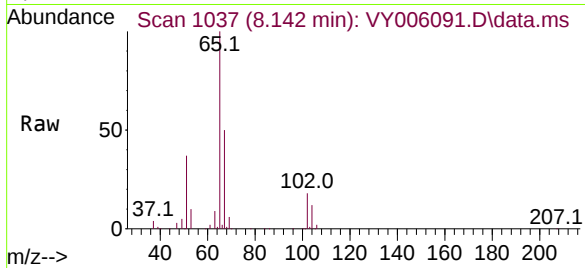




#33
 1,2-Dichloroethane-d4
 Concen: 44.542 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.006 min
 Lab File: VY006091.D
 Acq: 20 Sep 2021 13:10

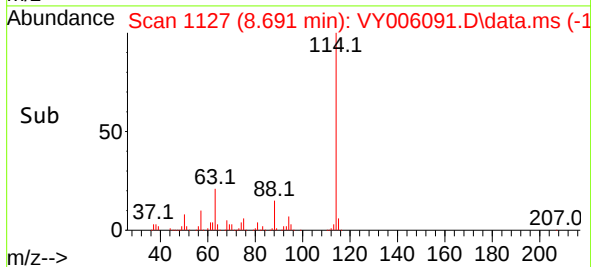
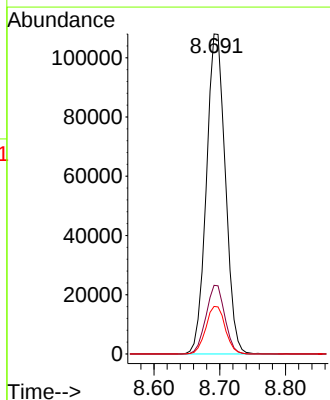
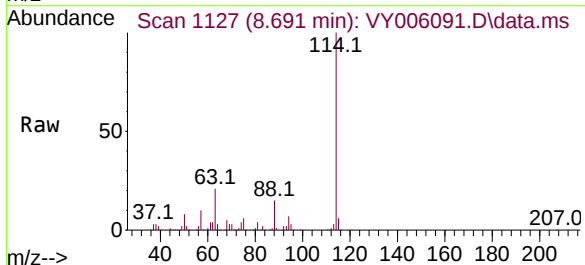
Instrument :
 MSVOA_Y
 ClientSampled :

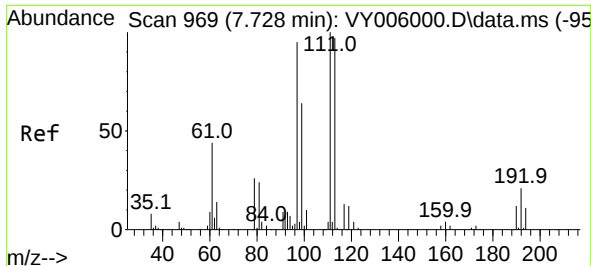
Tgt Ion: 65 Resp: 84238
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VY006091.D
 Acq: 20 Sep 2021 13:10

Tgt Ion: 114 Resp: 216114
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 14.9 0.0 31.8

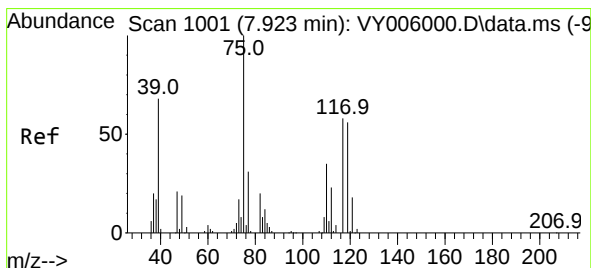
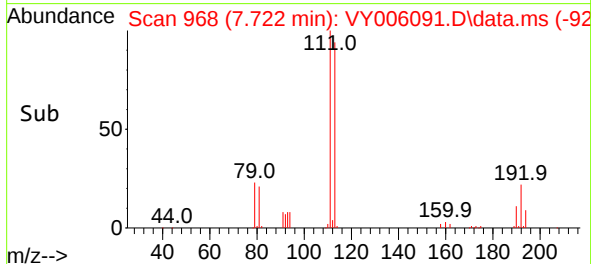
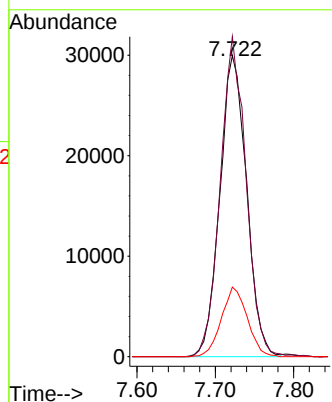
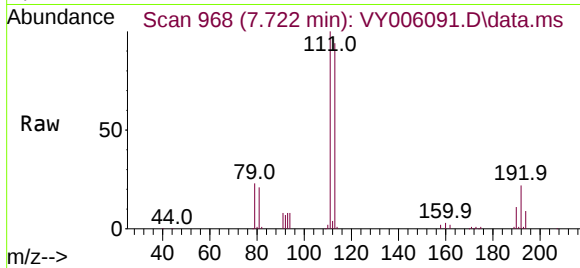




#35
Dibromofluoromethane
Concen: 52.920 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

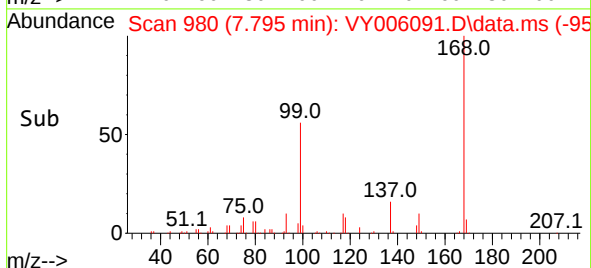
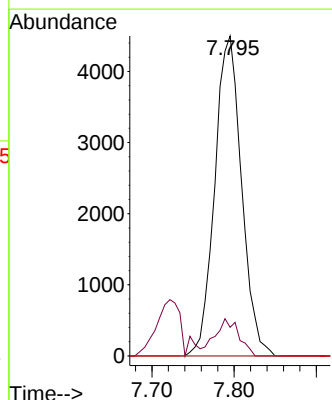
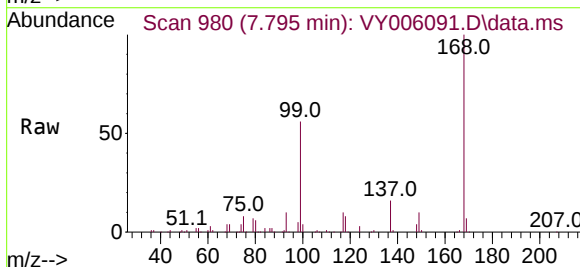
Instrument :
MSVOA_Y
ClientSampleId :

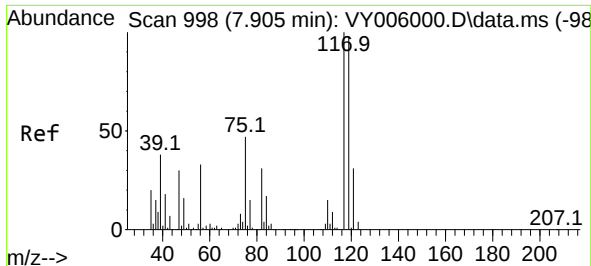
Tgt Ion:113 Resp: 71035
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 22.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.370 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

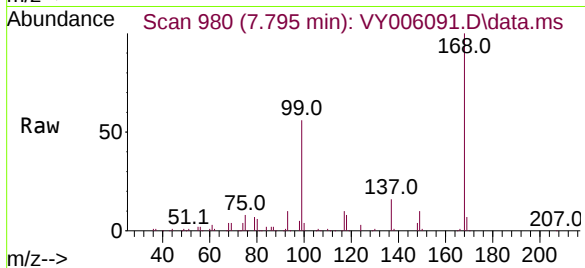
Tgt Ion: 75 Resp: 10193
Ion Ratio Lower Upper
75 100
110 10.4 17.1 51.2#
77 0.0 24.4 36.6#



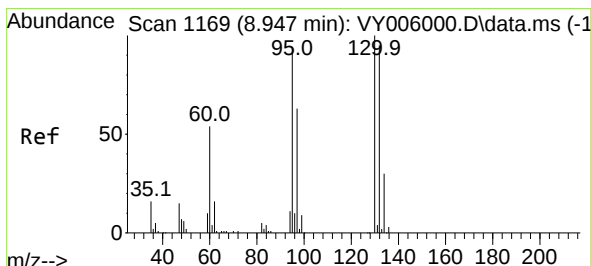
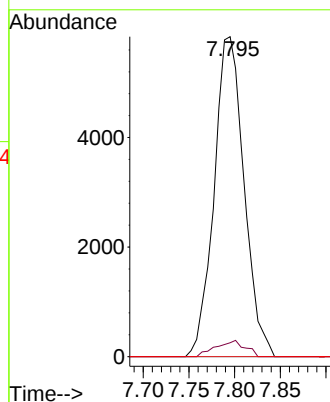
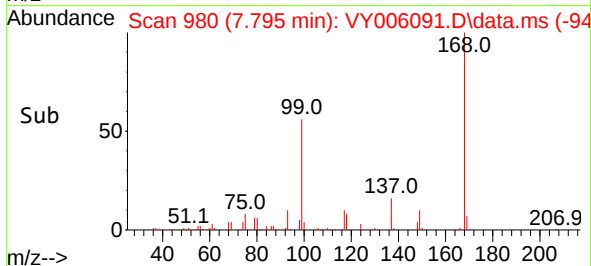


#38
Carbon Tetrachloride
Concen: 5.242 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

Instrument :
MSVOA_Y
ClientSampleId :

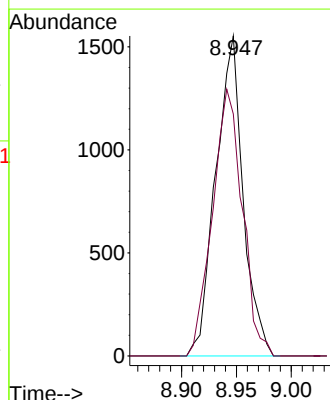
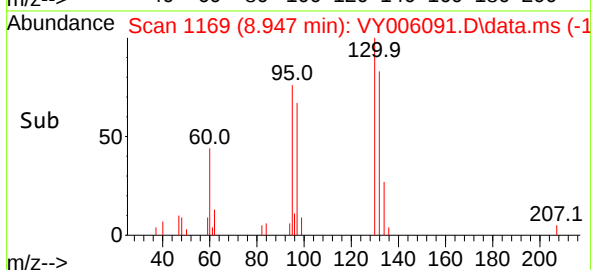
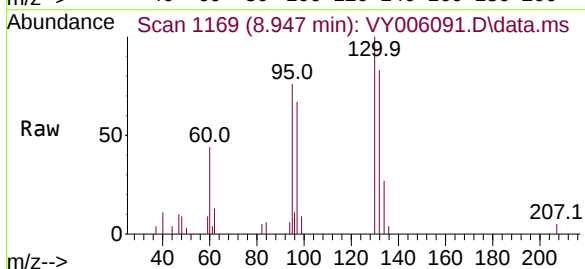


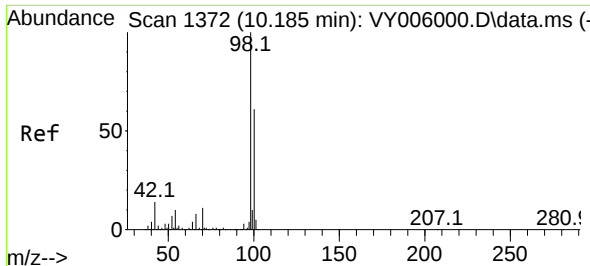
Tgt Ion:117 Resp: 13312
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 1.619 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

Tgt Ion:130 Resp: 2698
Ion Ratio Lower Upper
130 100
95 75.6 0.0 188.2

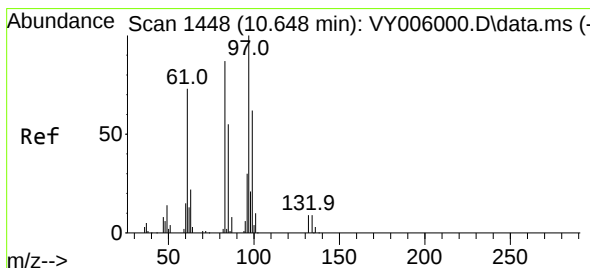
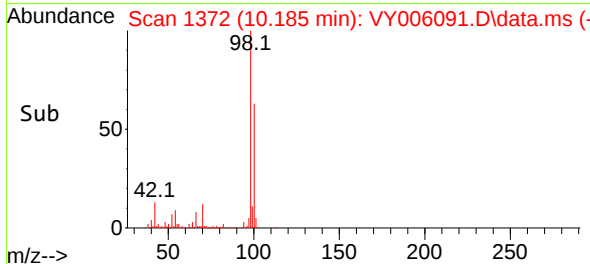
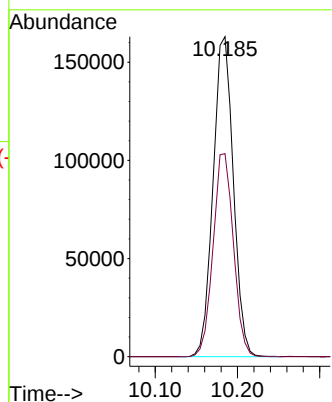
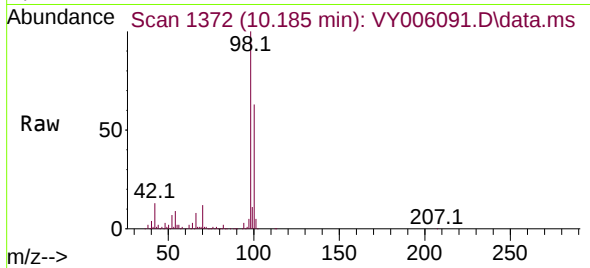




#50
Toluene-d8
Concen: 48.745 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

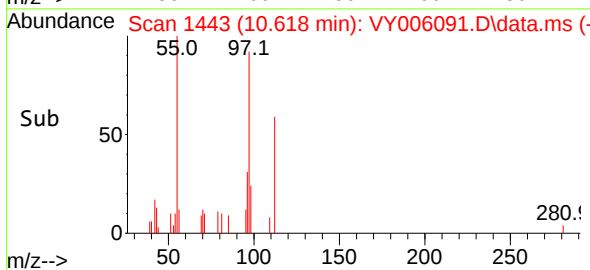
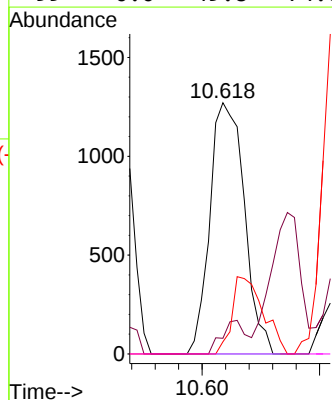
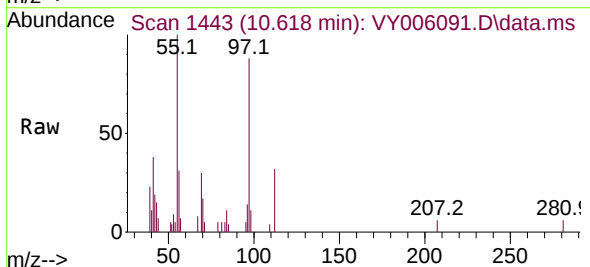
Instrument :
MSVOA_Y
ClientSampled :

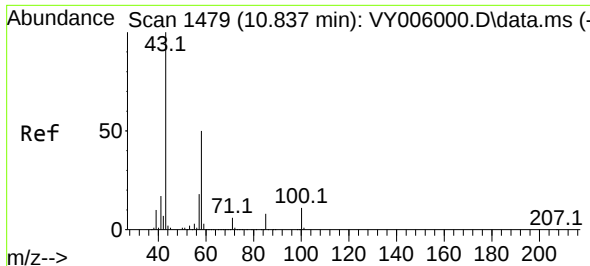
Tgt Ion: 98 Resp: 278869
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 2.101 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

Tgt Ion: 97 Resp: 2586
Ion Ratio Lower Upper
97 100
83 6.2 69.8 104.8#
85 4.8 44.3 66.5#
99 0.0 49.8 74.6#

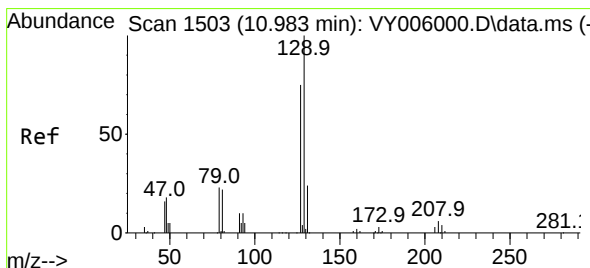
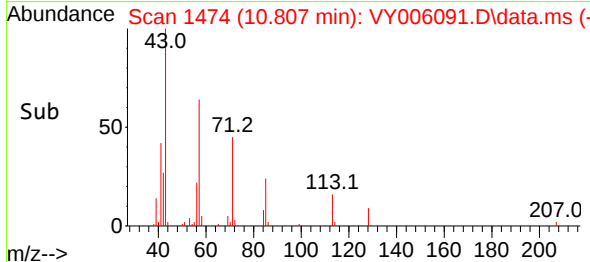
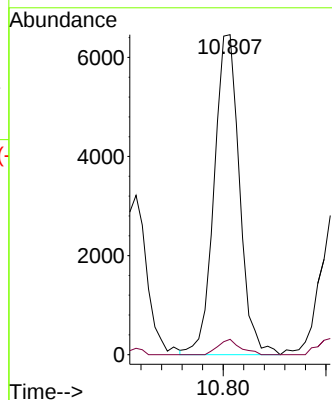
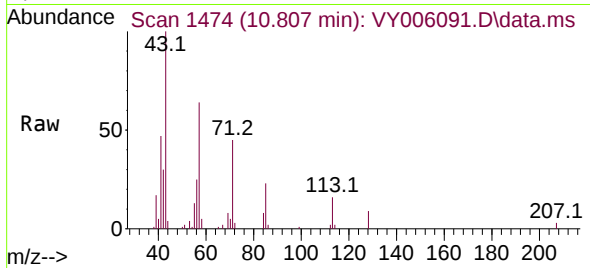




#59
2-Hexanone
Concen: 10.008 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

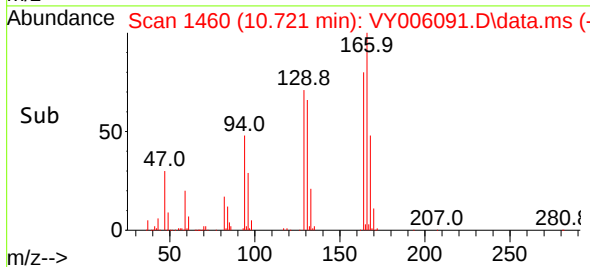
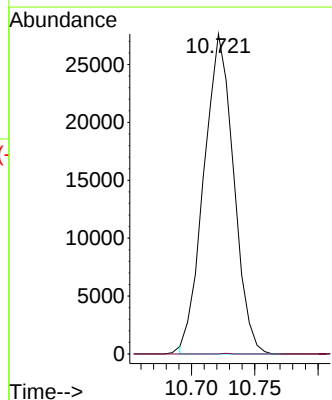
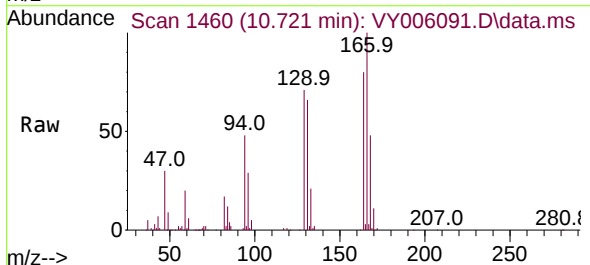
Instrument :
MSVOA_Y
ClientSampled :

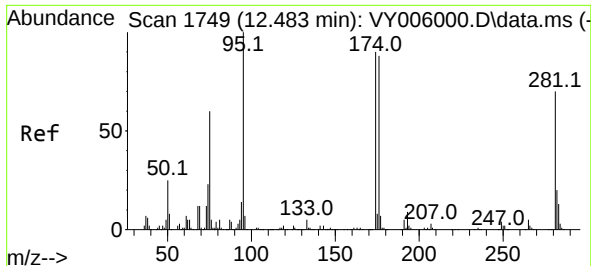
Tgt Ion: 43 Resp: 11055
Ion Ratio Lower Upper
43 100
58 4.2 24.4 73.4#



#60
Dibromochloromethane
Concen: 29.817 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

Tgt Ion: 129 Resp: 45245
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#

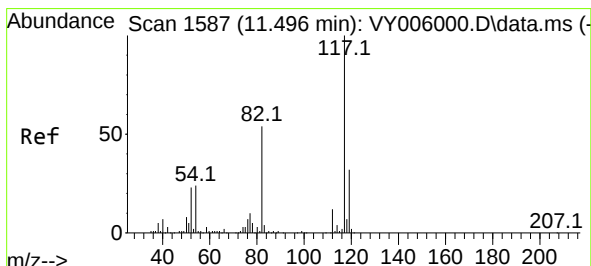
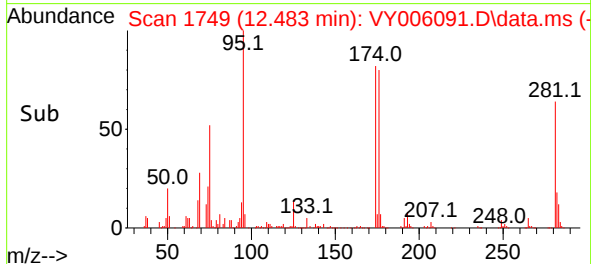
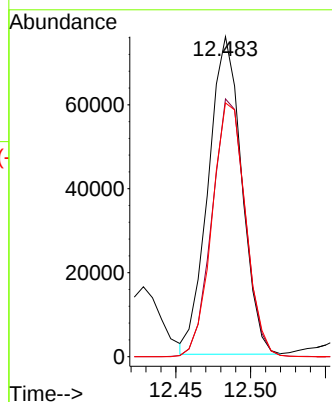
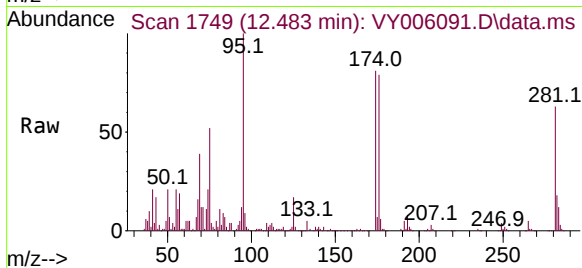




#62
4-Bromofluorobenzene
Concen: 60.572 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

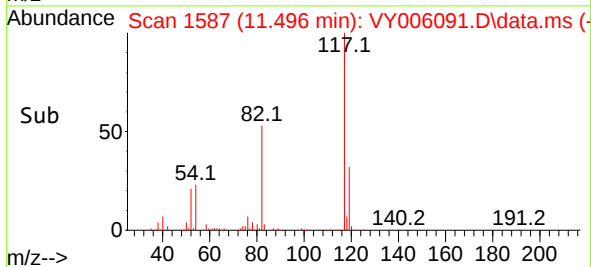
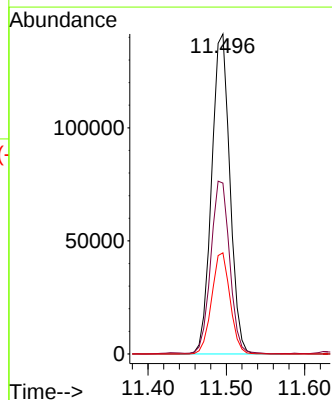
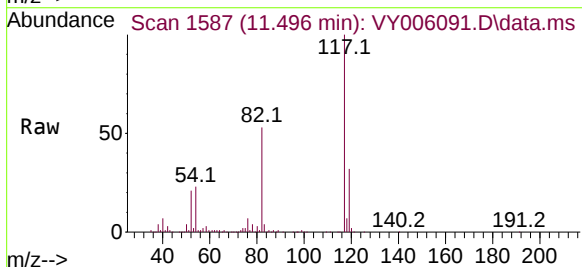
Instrument :
MSVOA_Y
ClientSampleId :

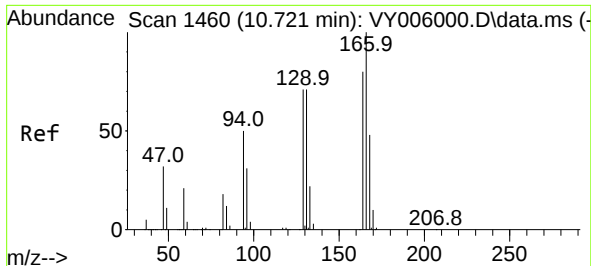
Tgt Ion: 95 Resp: 117655
Ion Ratio Lower Upper
95 100
174 80.5 0.0 177.0
176 80.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

Tgt Ion: 117 Resp: 228784
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 31.6 25.4 38.0

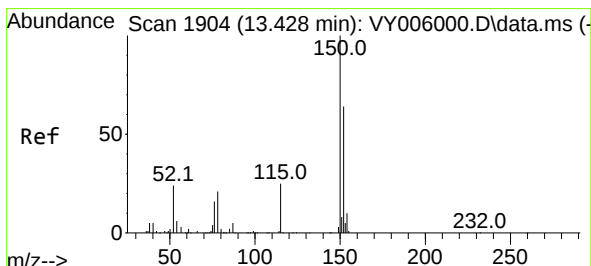
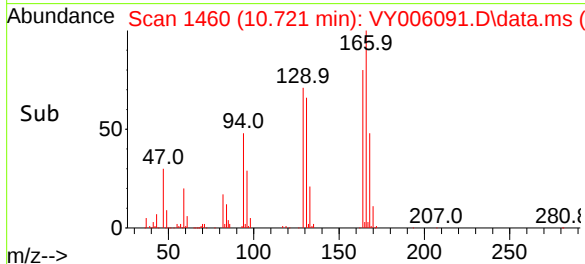
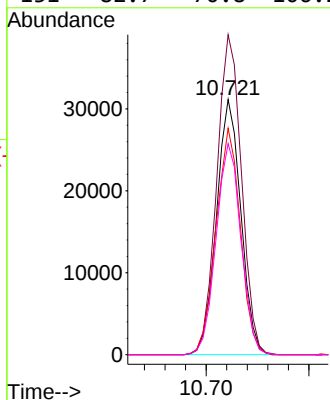
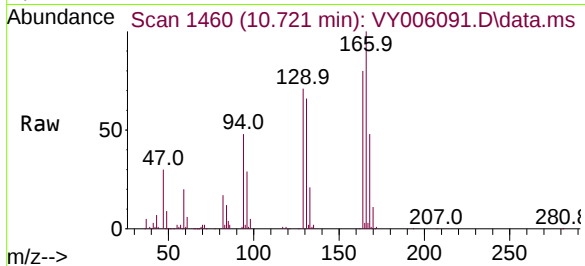




#64
Tetrachloroethene
Concen: 27.397 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

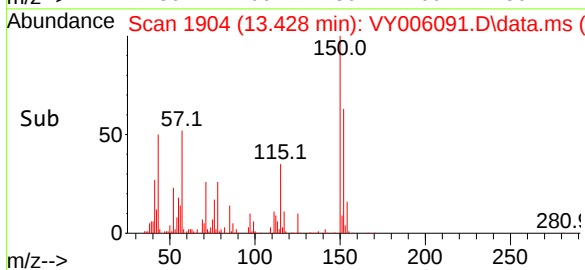
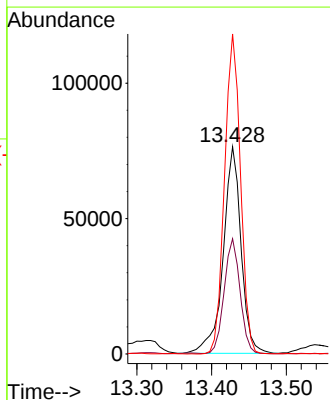
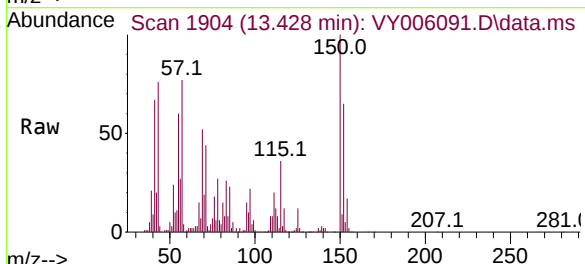
Instrument :
MSVOA_Y
ClientSampleId :

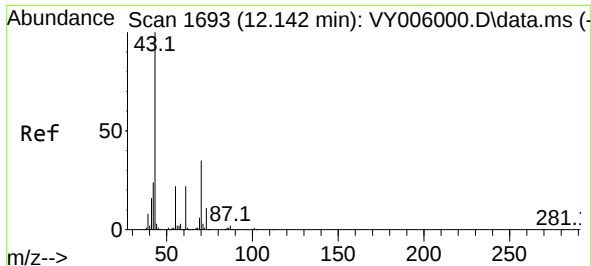
Tgt Ion:	164	Resp:	51266
Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.4	150.6
129	88.7	71.4	107.0
131	82.7	70.8	106.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

Tgt Ion:	152	Resp:	126842
Ion	Ratio	Lower	Upper
152	100		
115	49.4	28.2	84.7
150	138.3	0.0	347.6

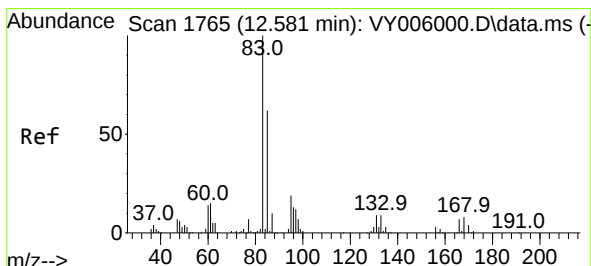
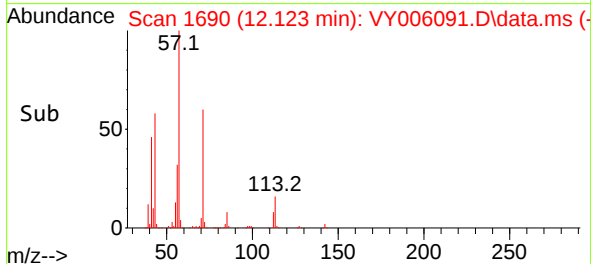
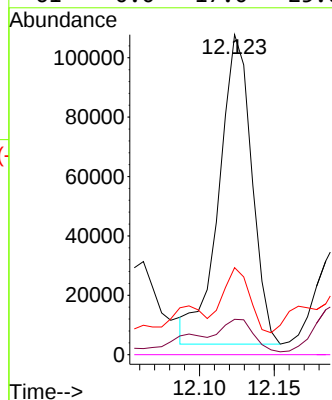
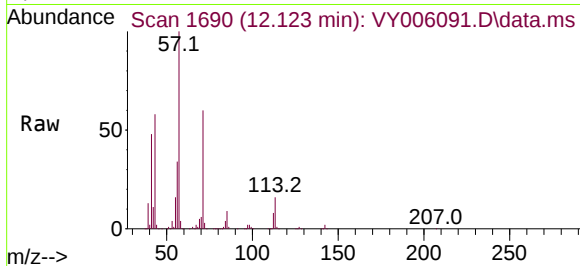




#74
N-amy1 acetate
Concen: 46.419 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

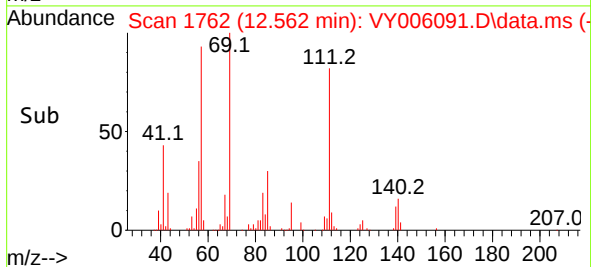
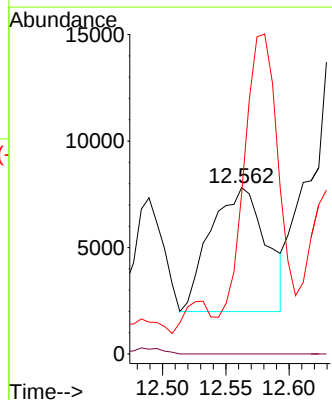
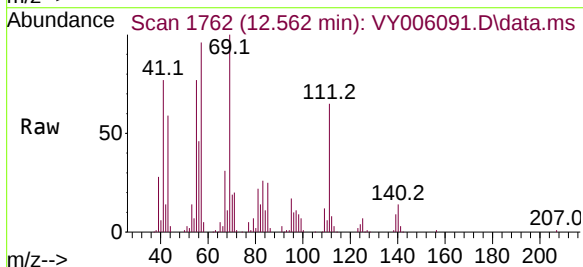
Instrument :
MSVOA_Y
ClientSampleId :

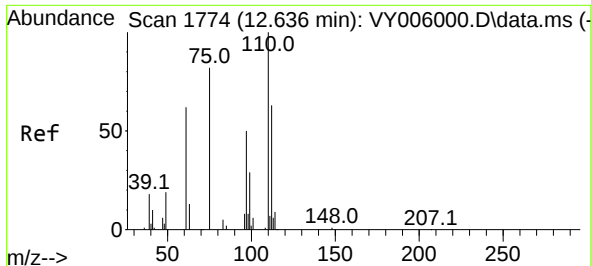
Tgt Ion: 43	Resp: 159215
Ion Ratio	Lower Upper
43 100	
70 10.6	28.7 43.1#
55 16.9	17.3 25.9#
61 0.0	17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 9.583 ug/l
RT: 12.562 min Scan# 1762
Delta R.T. -0.018 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

Tgt Ion: 83	Resp: 17709
Ion Ratio	Lower Upper
83 100	
131 0.0	5.6 16.8#
85 151.1	32.3 96.8#

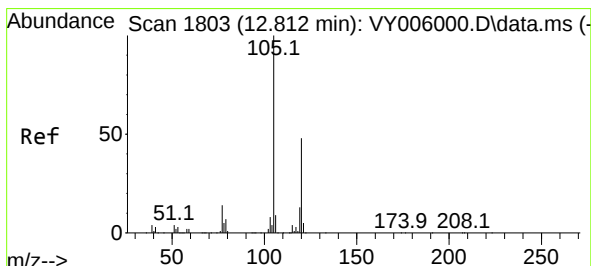
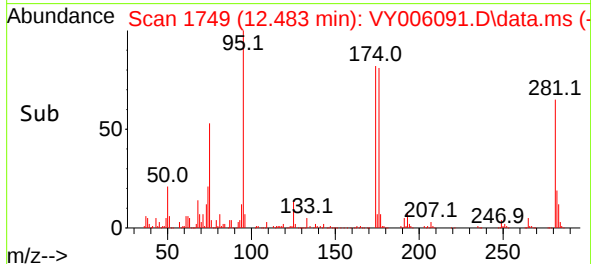
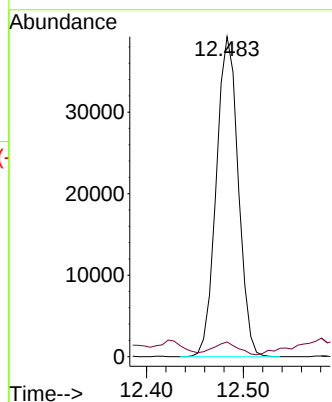
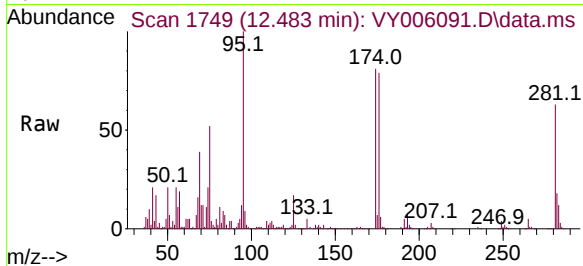




#76
1,2,3-Trichloropropane
Concen: 45.767 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

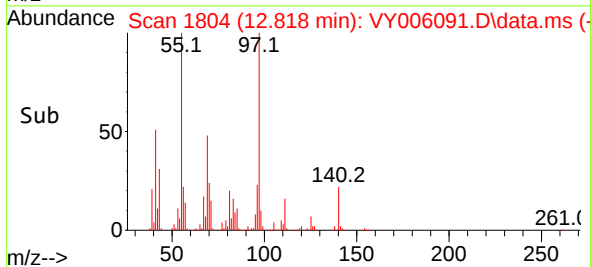
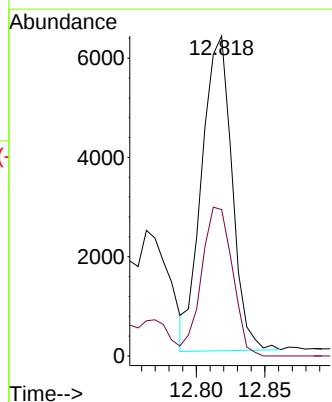
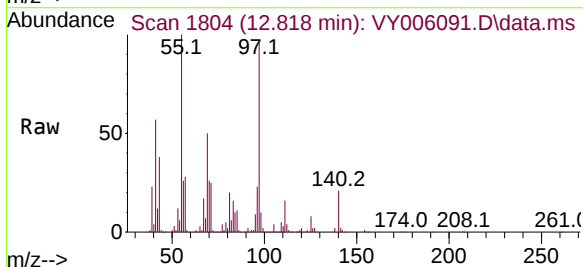
Instrument :
MSVOA_Y
ClientSampleId :

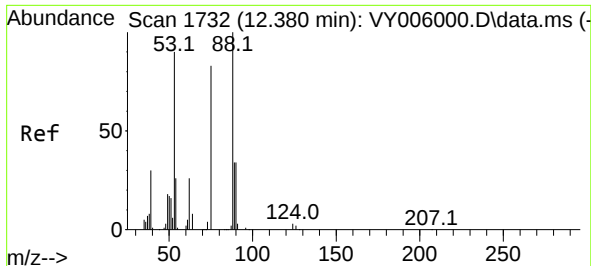
Tgt Ion: 75 Resp: 61894
Ion Ratio Lower Upper
75 100
77 4.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.180 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

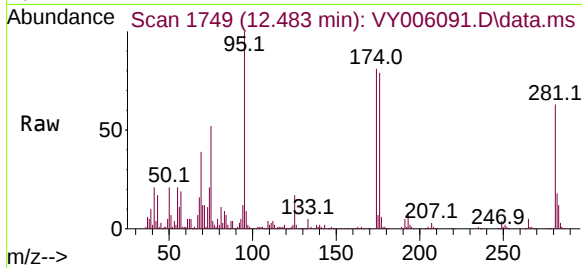
Tgt Ion: 105 Resp: 9720
Ion Ratio Lower Upper
105 100
120 48.4 24.4 73.4



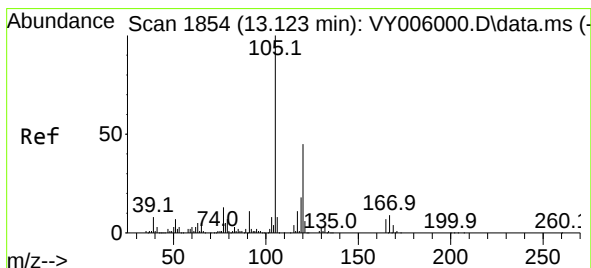
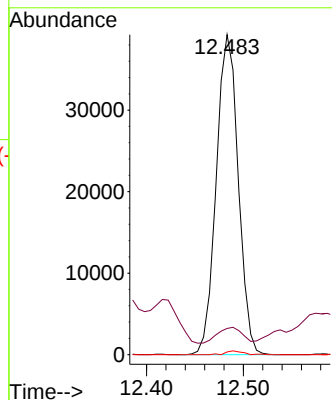
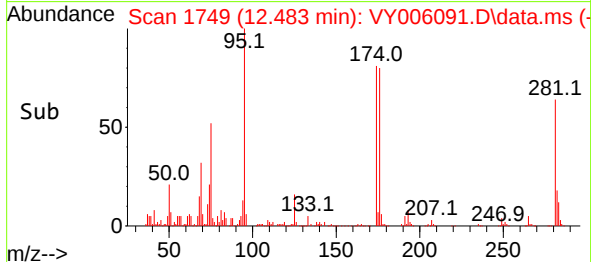


#81
trans-1,4-Dichloro-2-butene
Concen: 84.143 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10

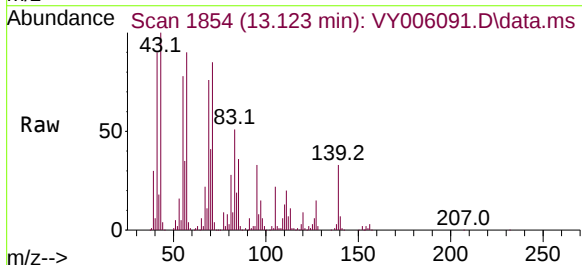
Instrument :
MSVOA_Y
ClientSampled :



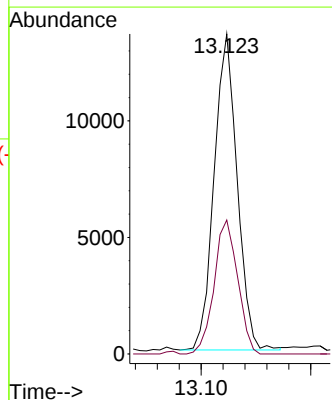
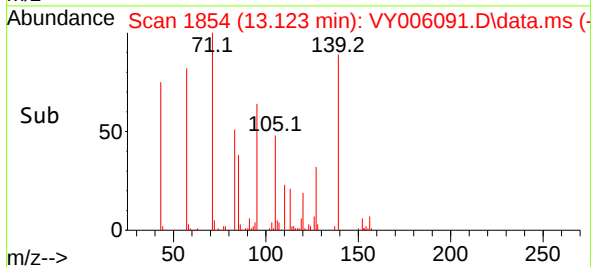
Tgt Ion: 75 Resp: 61894
Ion Ratio Lower Upper
75 100
53 5.4 85.3 127.9#
89 0.9 37.0 55.4#

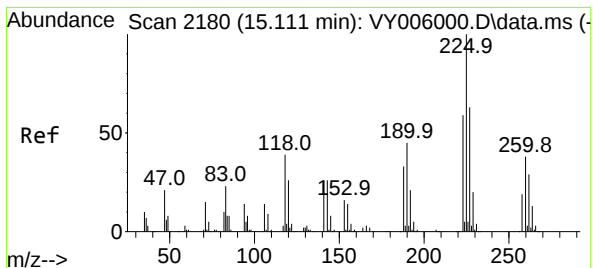


#84
1,2,4-Trimethylbenzene
Concen: 2.418 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY006091.D
Acq: 20 Sep 2021 13:10



Tgt Ion: 105 Resp: 19761
Ion Ratio Lower Upper
105 100
120 43.3 22.3 66.9





#94
 Hexachlorobutadiene
 Concen: 1.741 ug/l
 RT: 15.111 min Scan# 2180
 Delta R.T. -0.000 min
 Lab File: VY006091.D
 Acq: 20 Sep 2021 13:10

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:	225	Resp:	2871
Ion	Ratio	Lower	Upper
225	100		
223	65.0	30.8	92.3
227	66.9	31.6	94.7

