

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091621\
 Data File : VY006053.D
 Acq On : 16 Sep 2021 17:15
 Operator : SY/MD
 Sample : M3762-01
 Misc : 6.84G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11934

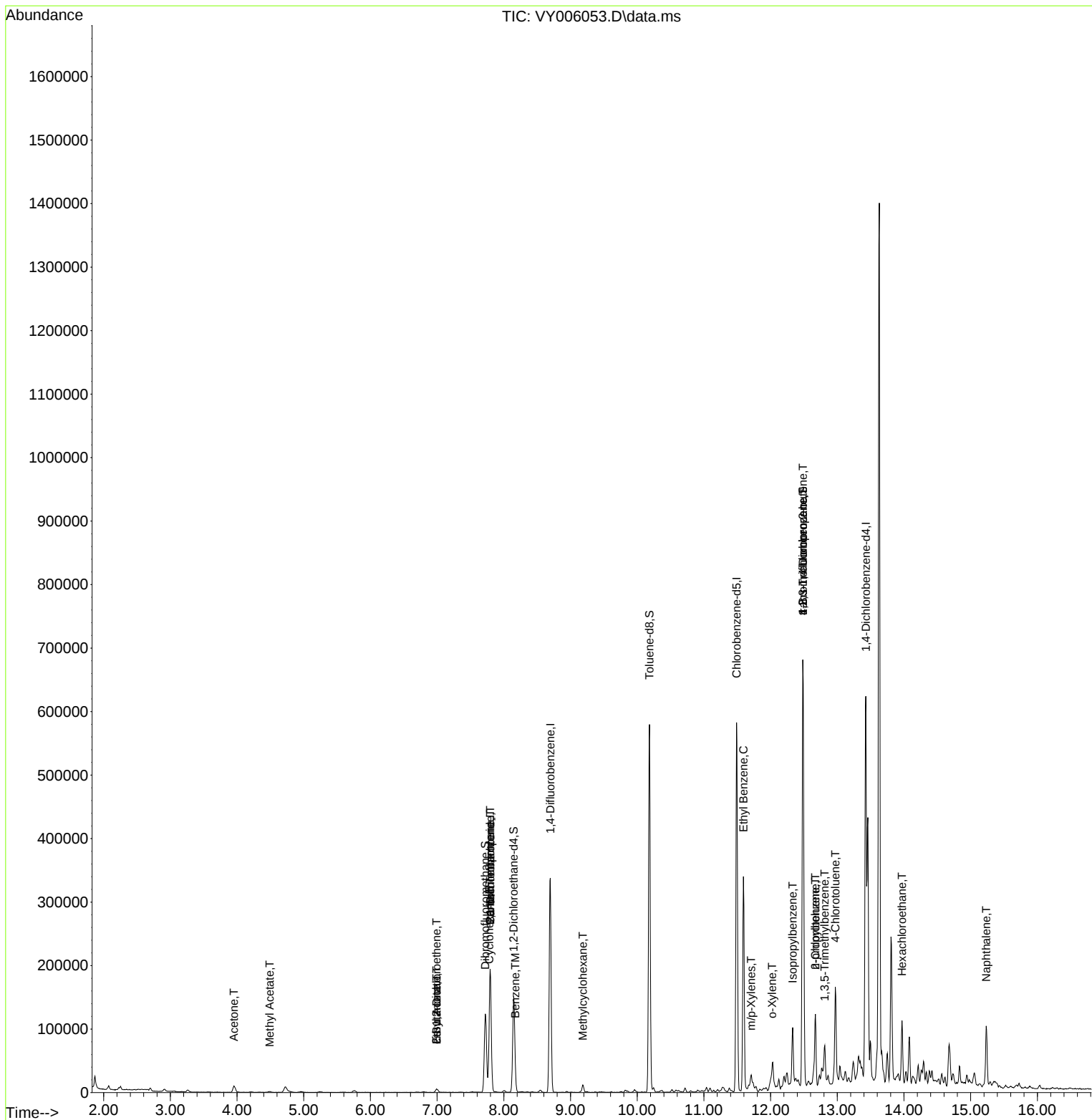
Quant Time: Sep 17 02:46:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

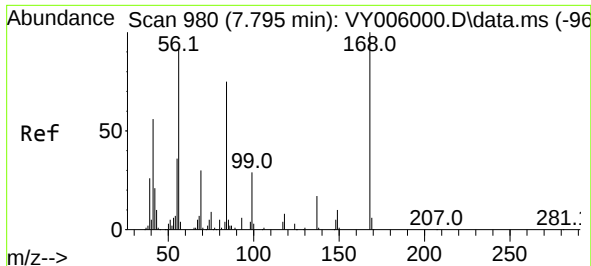
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	142180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	270770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	292183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	114856	58.156	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.320%			
35) Dibromofluoromethane	7.722	113	84062	49.983	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.960%			
50) Toluene-d8	10.185	98	359923	50.213	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.420%			
62) 4-Bromofluorobenzene	12.483	95	145573	59.817	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.640%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	2446	Below Cal	#	81
16) Acetone	3.954	43	16984	31.354	ug/l #	88
18) Methyl Acetate	4.491	43	2733	2.003	ug/l #	79
20) Methylene Chloride	4.722	84	5802	Below Cal	#	88
25) 2-Butanone	6.990	43	3767	5.046	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	2024	1.140	ug/l	77
31) Cyclohexane	7.783	56	4723	1.493	ug/l #	62
36) 1,1-Dichloropropene	7.795	75	11731	4.014	ug/l #	50
37) Ethyl Acetate	6.990	43	3767	1.866	ug/l #	7
38) Carbon Tetrachloride	7.795	117	14016	4.405	ug/l #	14
39) Methylcyclohexane	9.185	83	4282	1.182	ug/l	95
40) Benzene	8.173	78	12780	1.525	ug/l	98
67) Ethyl Benzene	11.593	91	218967	18.426	ug/l	99
68) m/p-Xylenes	11.709	106	5555	1.233	ug/l	98
69) o-Xylene	12.026	106	9219	2.166	ug/l	99
73) Isopropylbenzene	12.331	105	52617	4.565	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	83640	53.299	ug/l #	100
78) n-propylbenzene	12.672	91	82530	5.787	ug/l	98
79) 2-Chlorotoluene	12.672	91	82530	10.644	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	15667	1.639	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	83640	97.991	ug/l #	8
82) 4-Chlorotoluene	12.971	91	11600	1.447	ug/l #	41
90) Hexachloroethane	13.971	117	5431	2.888	ug/l #	6
95) Naphthalene	15.233	128	74585	12.683	ug/l	98

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

Quant Time: Sep 17 02:46:23 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

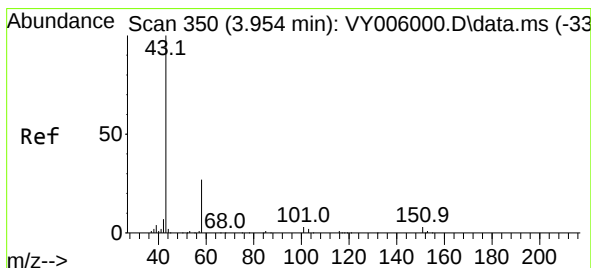
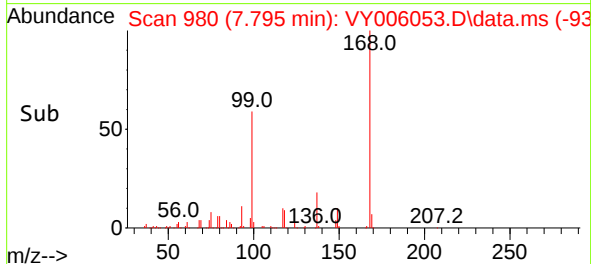
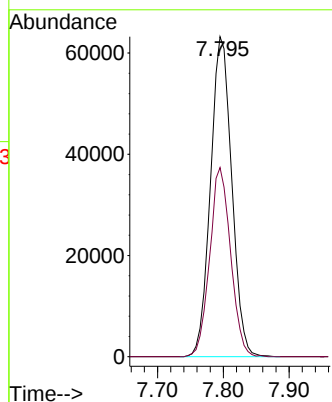
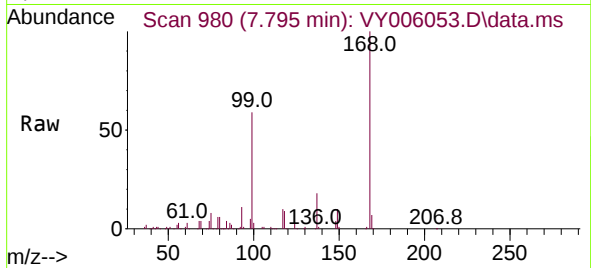




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006053.D
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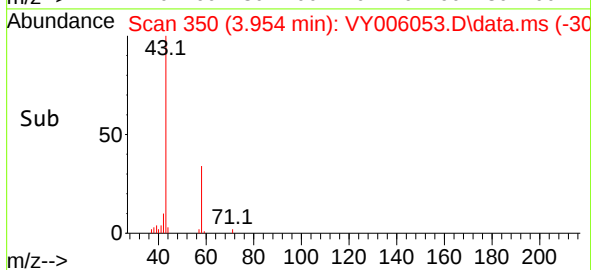
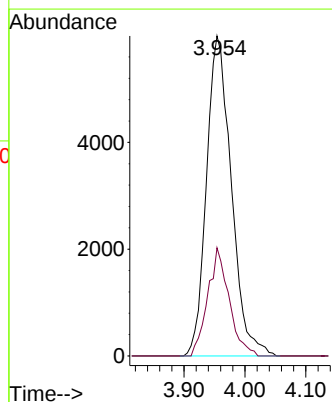
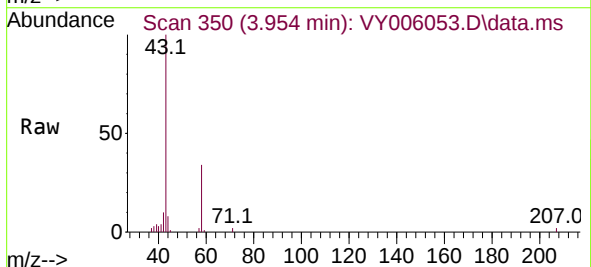
Instrument :
MSVOA_Y
ClientSampleId :
11934

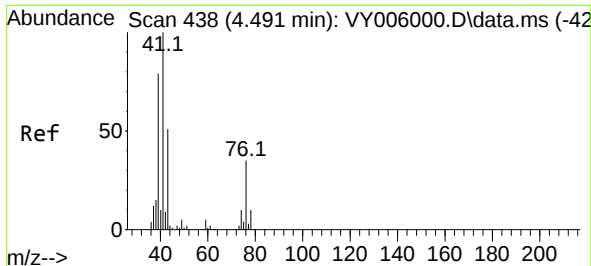
Tgt Ion:168 Resp: 142180
Ion Ratio Lower Upper
168 100
99 59.1 46.9 70.3



#16
Acetone
Concen: 31.354 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 43 Resp: 16984
Ion Ratio Lower Upper
43 100
58 33.8 22.0 33.0#

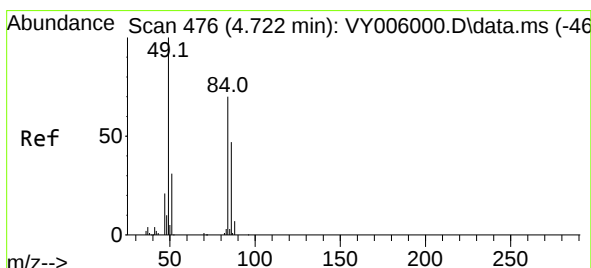
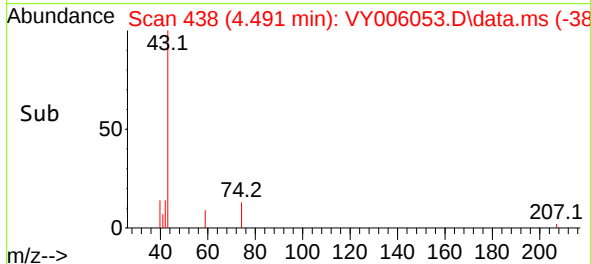
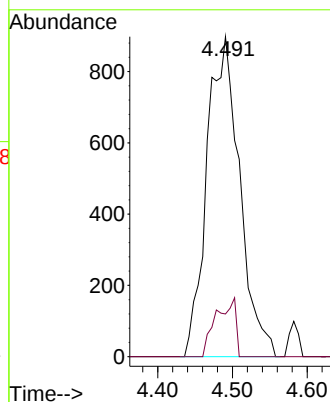
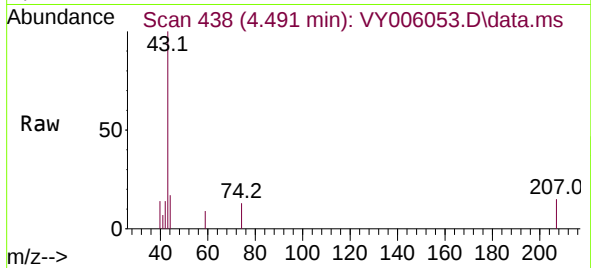




#18
Methyl Acetate
Concen: 2.003 ug/l
RT: 4.491 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

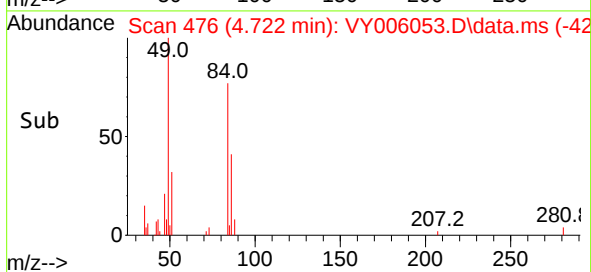
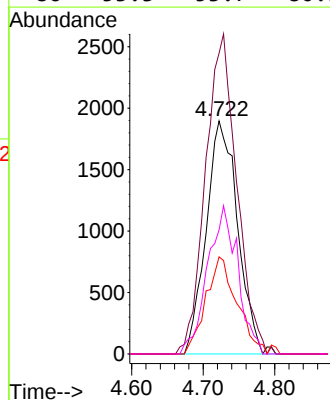
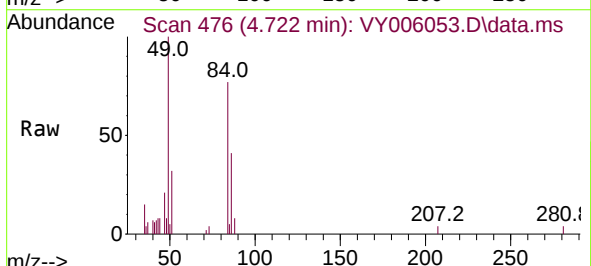
Instrument :
MSVOA_Y
ClientSampleId :
11934

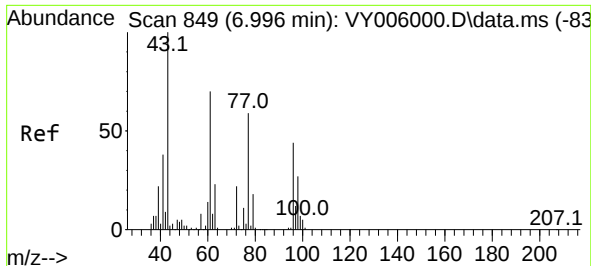
Tgt Ion: 43 Resp: 2733
Ion Ratio Lower Upper
43 100
74 11.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 84 Resp: 5802
Ion Ratio Lower Upper
84 100
49 129.1 114.4 171.6
51 41.7 35.3 52.9
86 53.3 53.7 80.5#





#25

2-Butanone

Concen: 5.046 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY006053.D

Acq: 16 Sep 2021 17:15

Instrument :

MSVOA_Y

ClientSampleId :

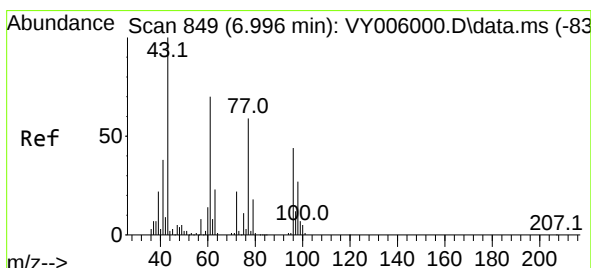
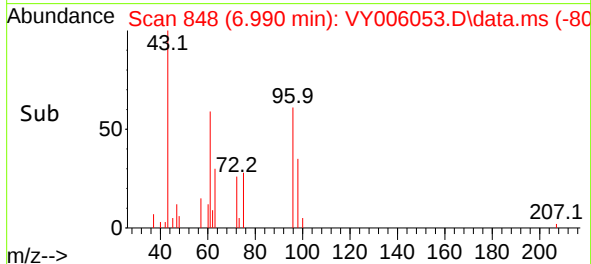
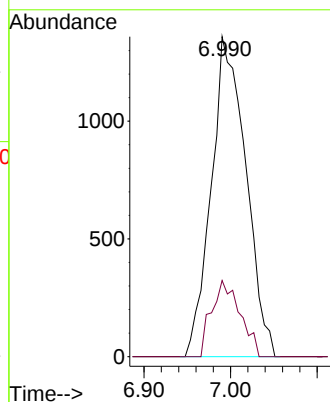
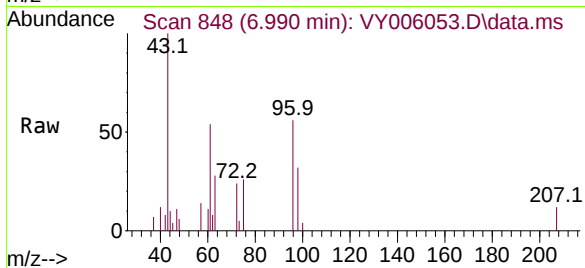
11934

Tgt Ion: 43 Resp: 3767

Ion Ratio Lower Upper

43 100

72 23.8 17.7 26.5



#27

cis-1,2-Dichloroethene

Concen: 1.140 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY006053.D

Acq: 16 Sep 2021 17:15

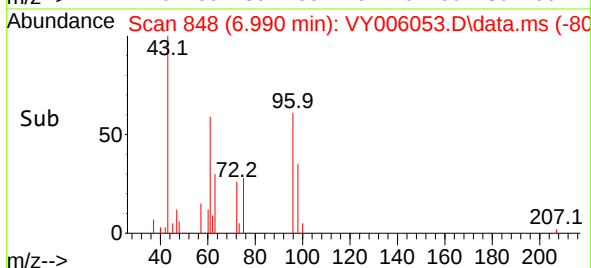
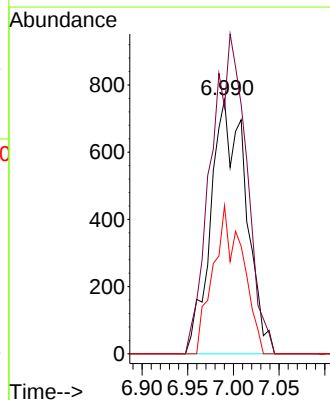
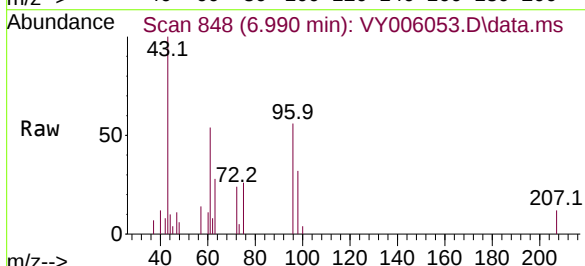
Tgt Ion: 96 Resp: 2024

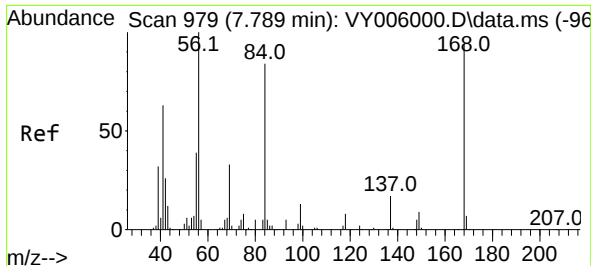
Ion Ratio Lower Upper

96 100

61 127.0 0.0 319.8

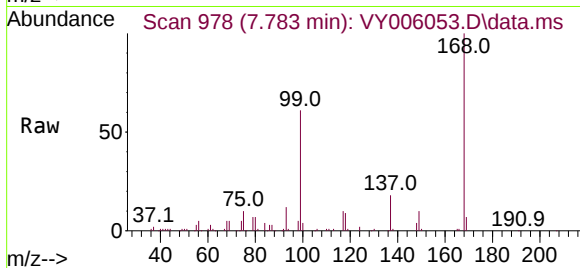
98 48.8 0.0 127.0



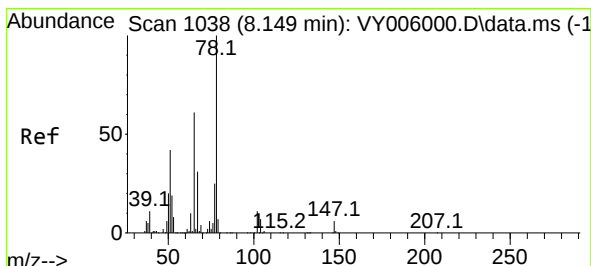
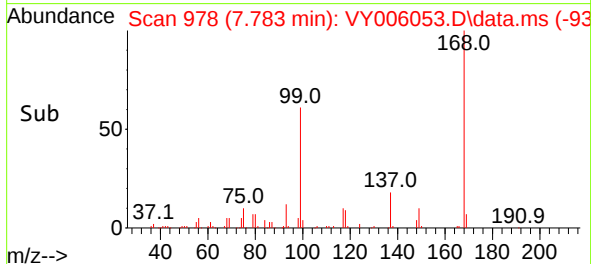
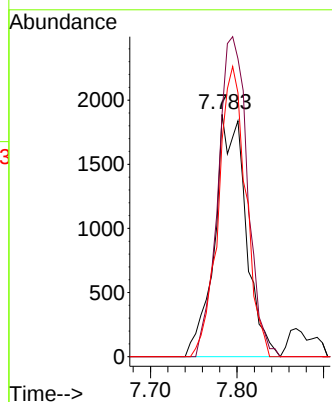


#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Instrument :
MSVOA_Y
ClientSampleId :
11934

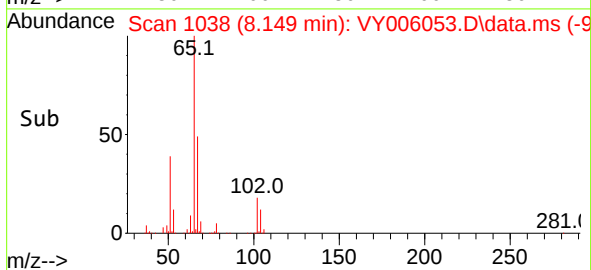
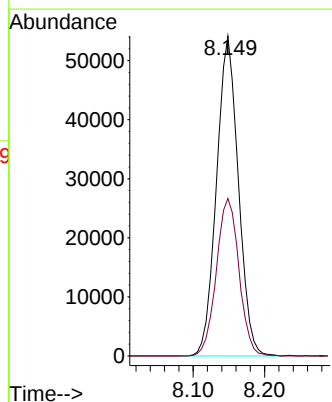
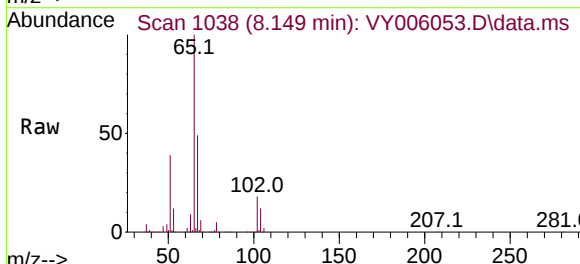


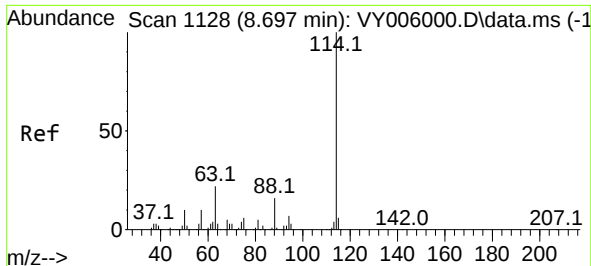
Tgt Ion: 56 Resp: 4723
Ion Ratio Lower Upper
56 100
69 100.5 26.7 40.1#
84 89.6 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 58.156 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 65 Resp: 114856
Ion Ratio Lower Upper
65 100
67 50.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY006053.D

Acq: 16 Sep 2021 17:15

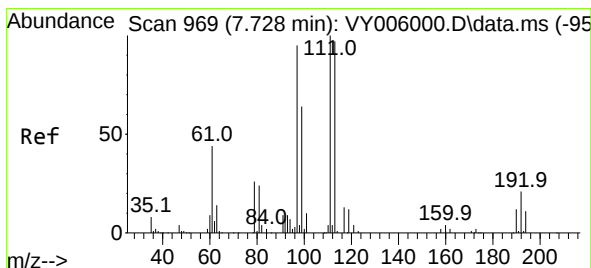
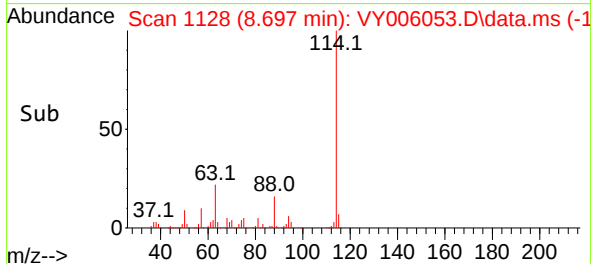
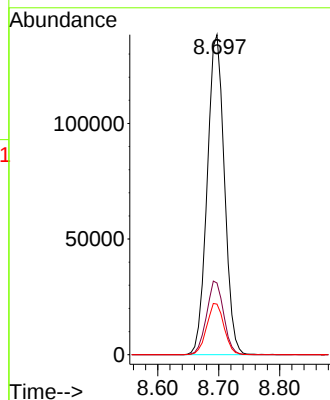
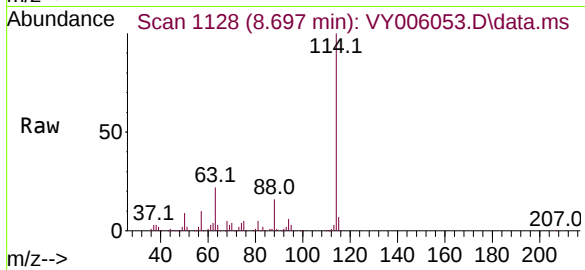
Instrument :

MSVOA_Y

ClientSampleId :

11934

Tgt Ion:114	Resp:	270770
Ion	Ratio	Lower Upper
114	100	
63	22.4	0.0 43.2
88	15.8	0.0 31.8



#35

Dibromofluoromethane

Concen: 49.983 ug/l

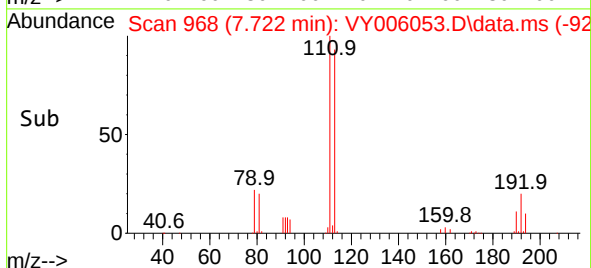
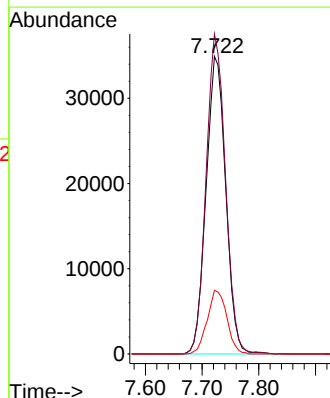
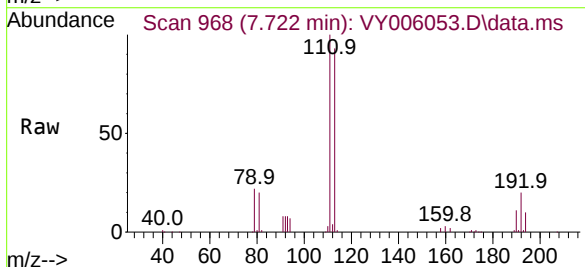
RT: 7.722 min Scan# 968

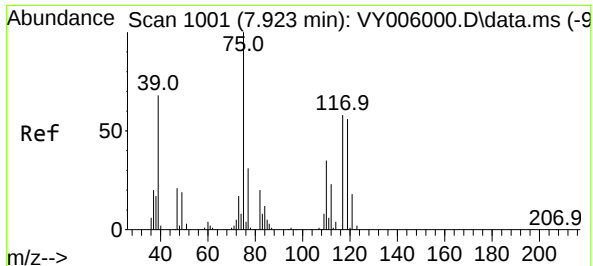
Delta R.T. -0.006 min

Lab File: VY006053.D

Acq: 16 Sep 2021 17:15

Tgt Ion:113	Resp:	84062
Ion	Ratio	Lower Upper
113	100	
111	106.1	82.6 124.0
192	21.3	17.6 26.4

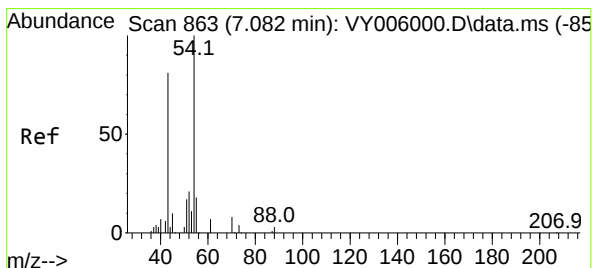
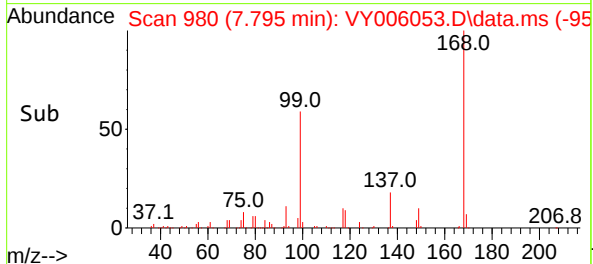
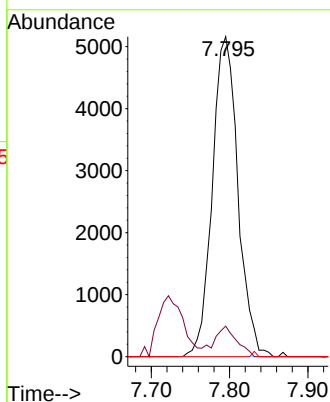
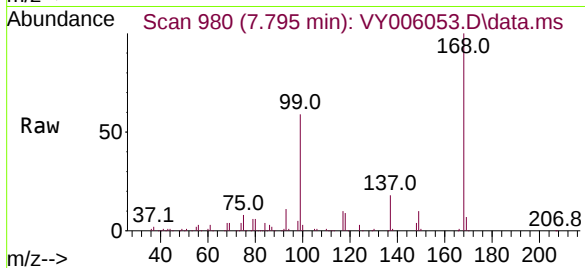




#36
1,1-Dichloropropene
Concen: 4.014 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

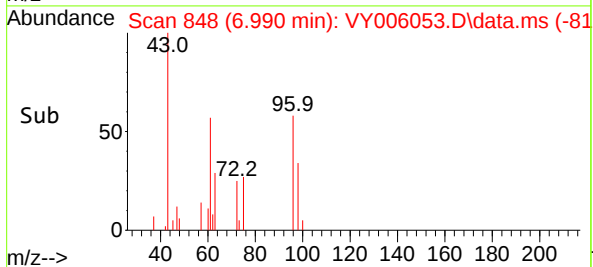
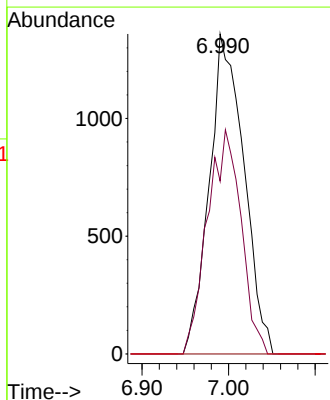
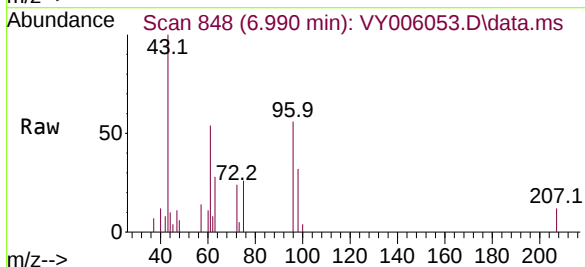
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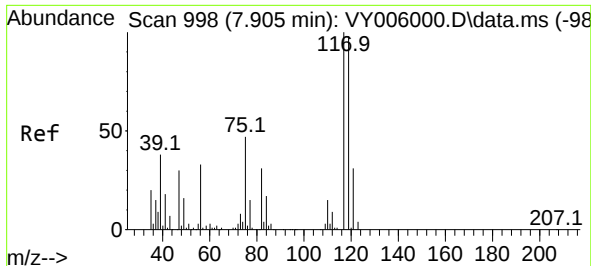
Tgt Ion: 75 Resp: 11731
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.866 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.092 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 43 Resp: 3767
Ion Ratio Lower Upper
43 100
61 68.2 9.7 14.5#
70 0.0 7.1 10.7#

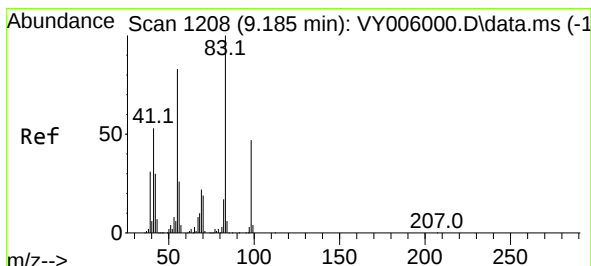
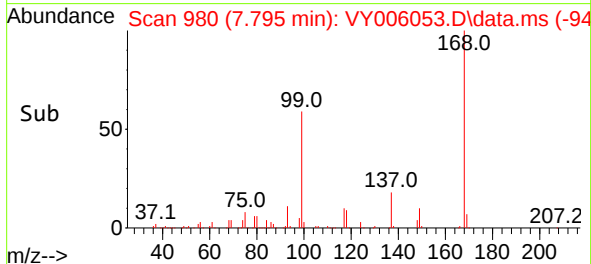
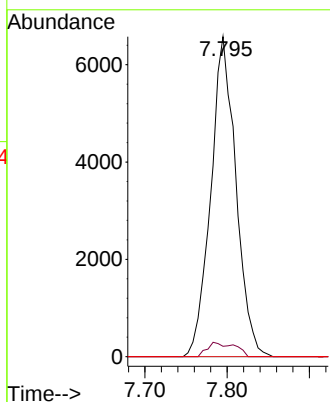
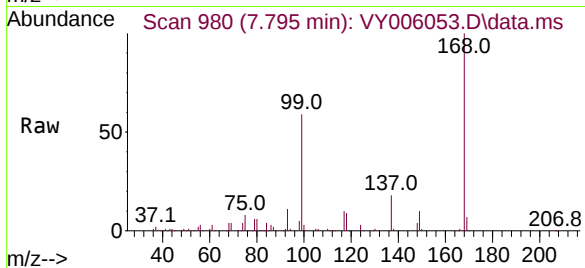




#38
Carbon Tetrachloride
Concen: 4.405 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

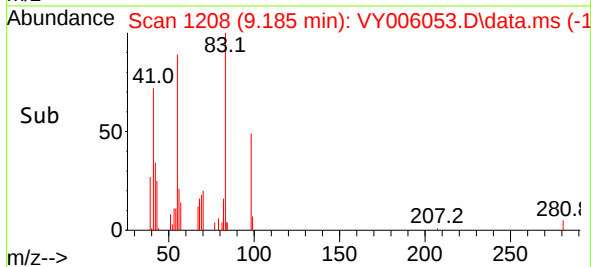
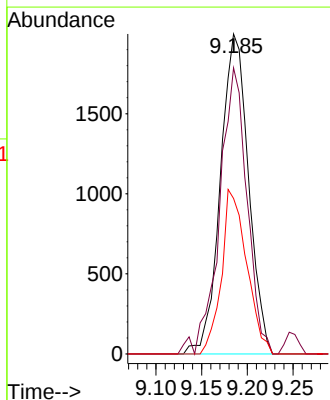
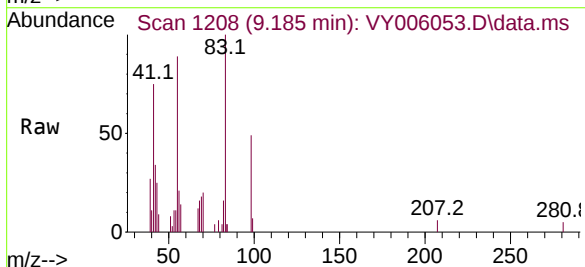
Instrument :
MSVOA_Y
ClientSampleId :
11934

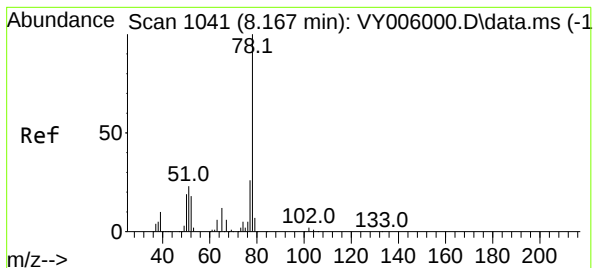
Tgt Ion:117 Resp: 14016
Ion Ratio Lower Upper
117 100
119 3.3 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 1.182 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 83 Resp: 4282
Ion Ratio Lower Upper
83 100
55 89.4 66.5 99.7
98 48.6 37.9 56.9





#40

Benzene

Concen: 1.525 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VY006053.D

Acq: 16 Sep 2021 17:15

Tgt Ion: 78 Resp: 12780

Ion Ratio Lower Upper

78 100

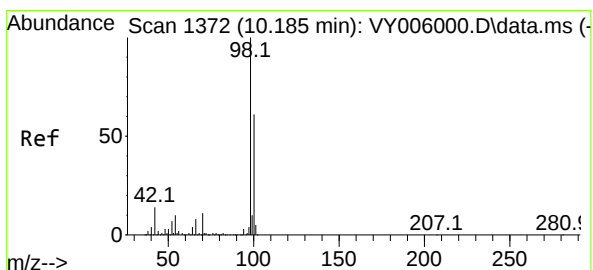
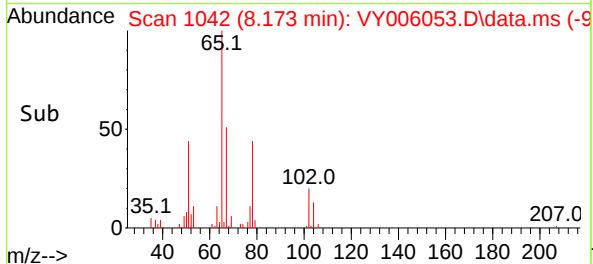
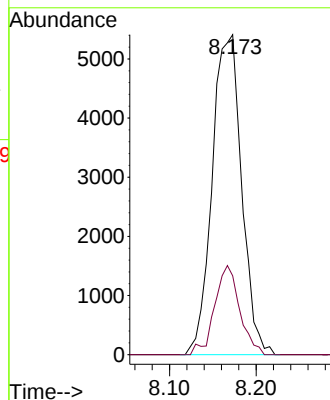
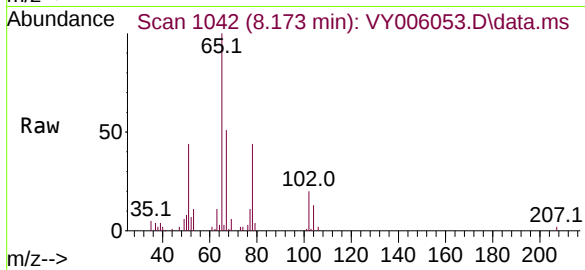
77 24.7 20.4 30.6

Instrument :

MSVOA_Y

ClientSampleId :

11934



#50

Toluene-d8

Concen: 50.213 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.000 min

Lab File: VY006053.D

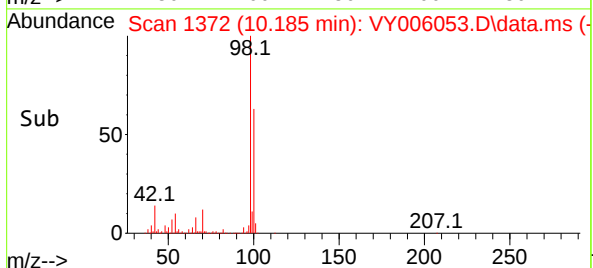
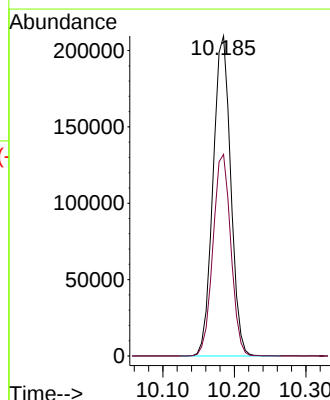
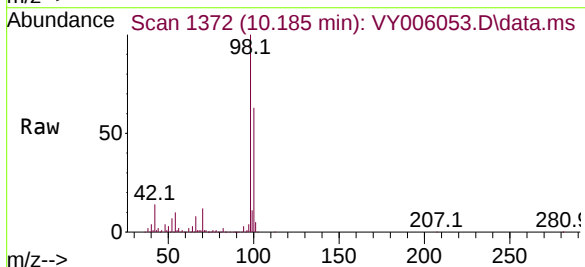
Acq: 16 Sep 2021 17:15

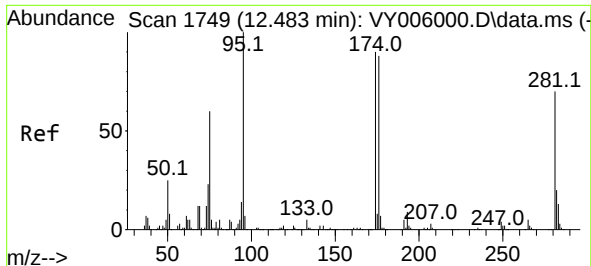
Tgt Ion: 98 Resp: 359923

Ion Ratio Lower Upper

98 100

100 63.5 50.2 75.2

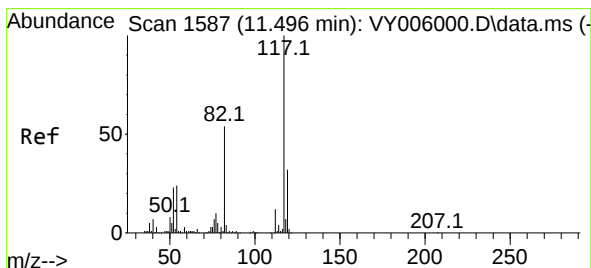
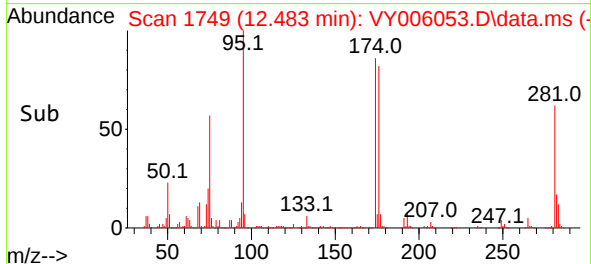
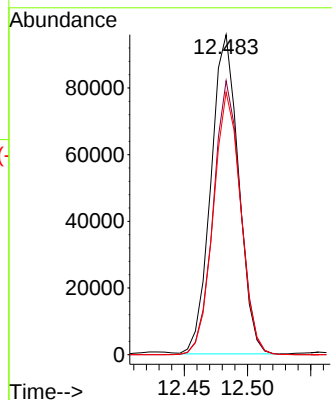
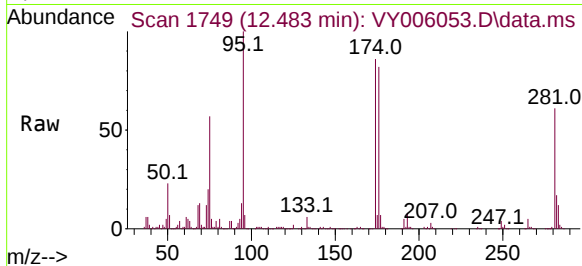




#62
4-Bromofluorobenzene
Concen: 59.817 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

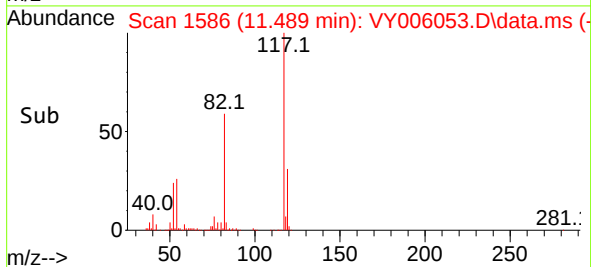
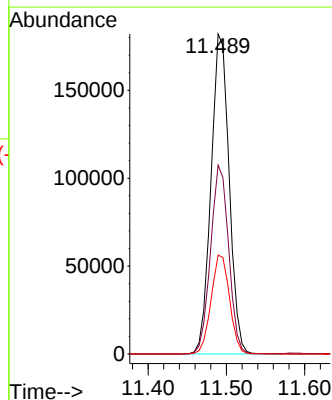
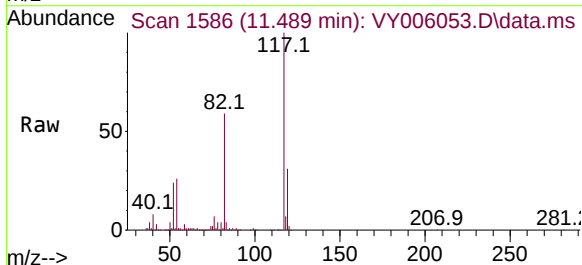
Instrument :
MSVOA_Y
ClientSampleId :
11934

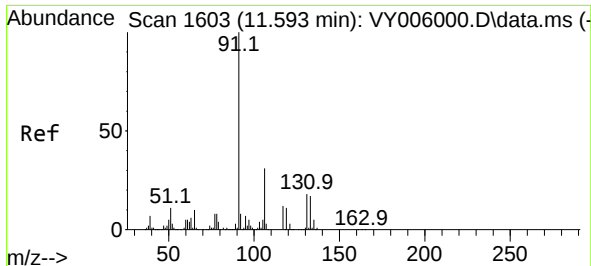
Tgt Ion: 95 Resp: 145573
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 81.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 117 Resp: 292183
Ion Ratio Lower Upper
117 100
82 59.0 43.0 64.4
119 30.9 25.4 38.0

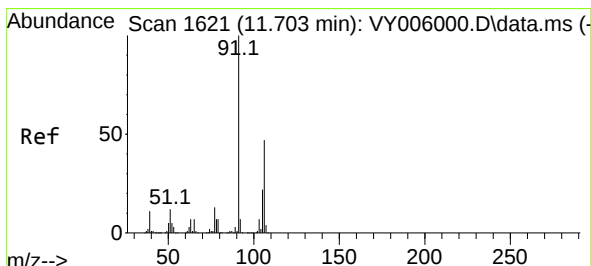
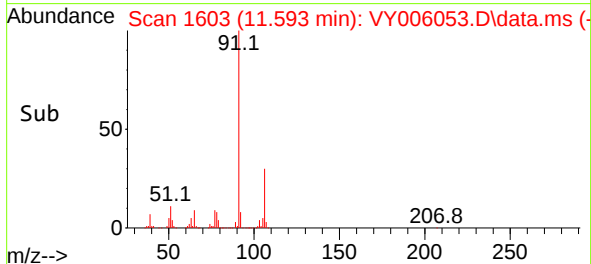
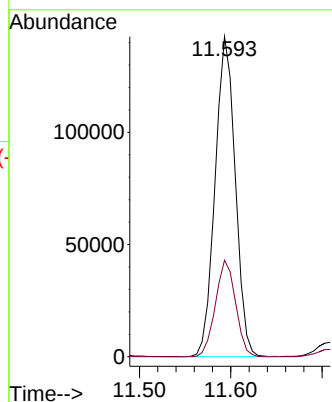
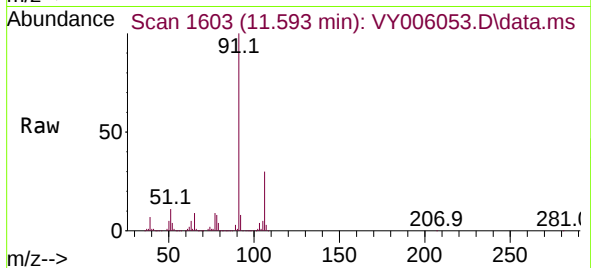




#67
Ethyl Benzene
Concen: 18.426 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

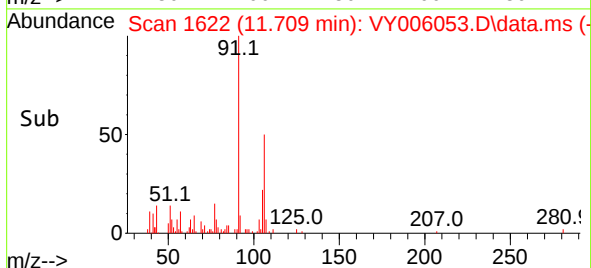
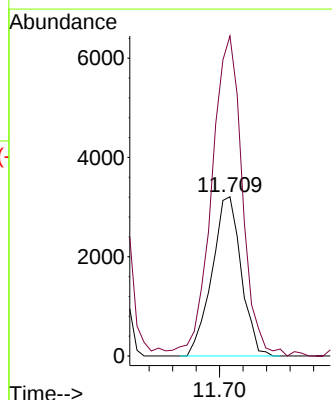
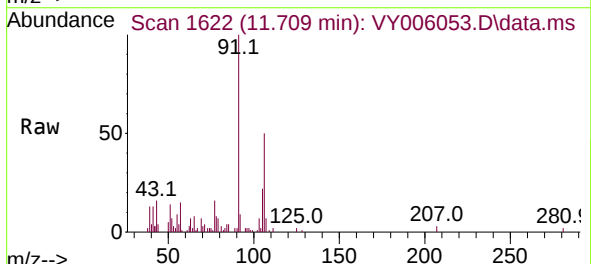
Instrument :
MSVOA_Y
ClientSampled :
11934

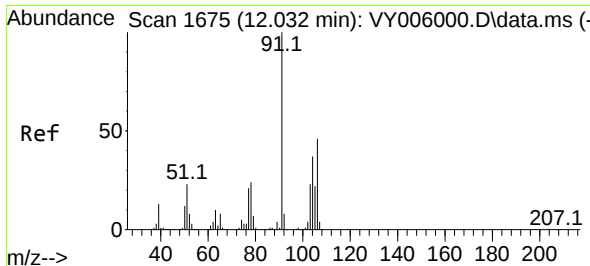
Tgt Ion: 91 Resp: 218967
Ion Ratio Lower Upper
91 100
106 30.2 24.5 36.7



#68
m/p-Xylenes
Concen: 1.233 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion:106 Resp: 5555
Ion Ratio Lower Upper
106 100
91 211.0 166.6 249.8

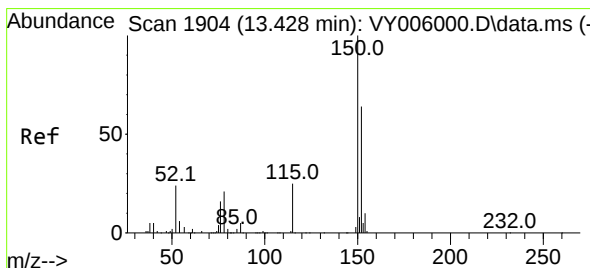
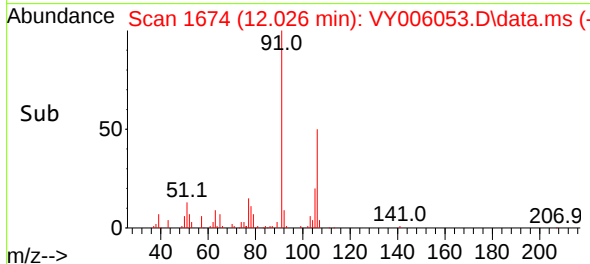
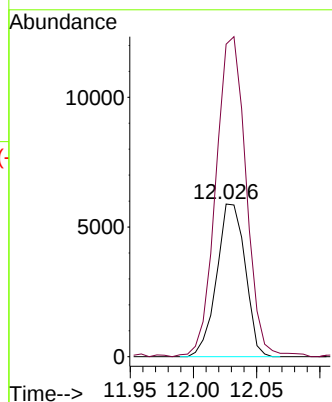
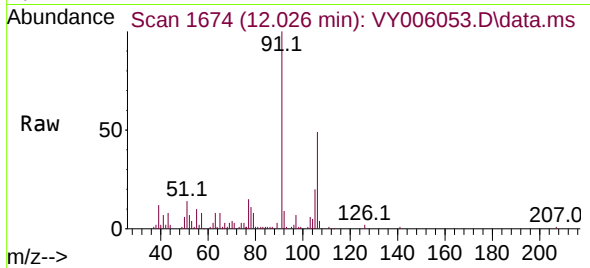




#69
o-Xylene
Concen: 2.166 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

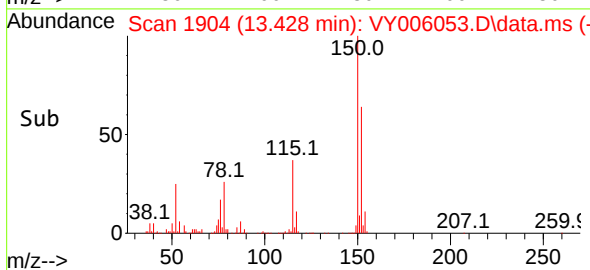
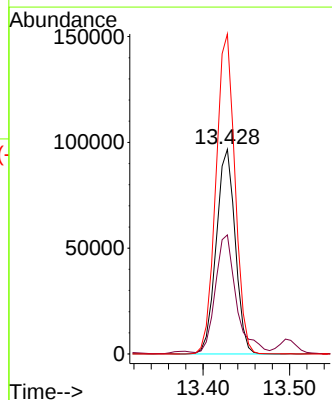
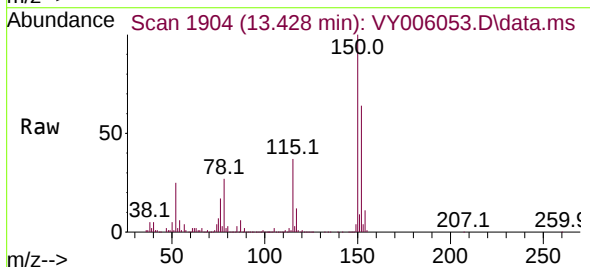
Instrument :
MSVOA_Y
ClientSampled :
11934

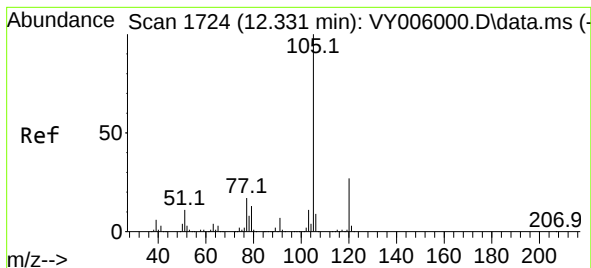
Tgt Ion:106 Resp: 9219
Ion Ratio Lower Upper
106 100
91 222.4 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion:152 Resp: 147183
Ion Ratio Lower Upper
152 100
115 62.9 28.2 84.7
150 156.6 0.0 347.6

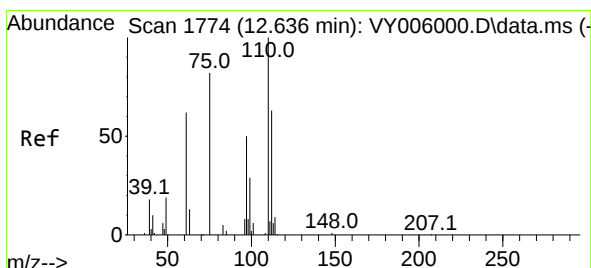
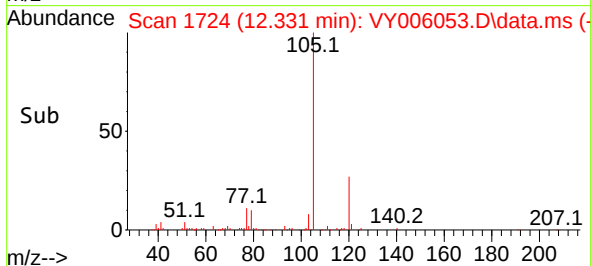
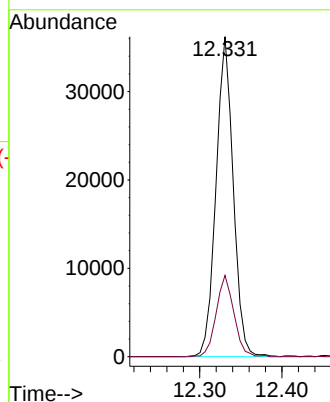
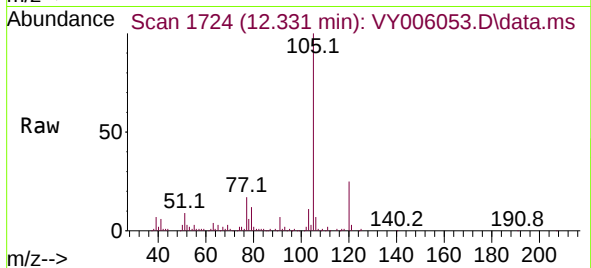




#73
Isopropylbenzene
Concen: 4.565 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

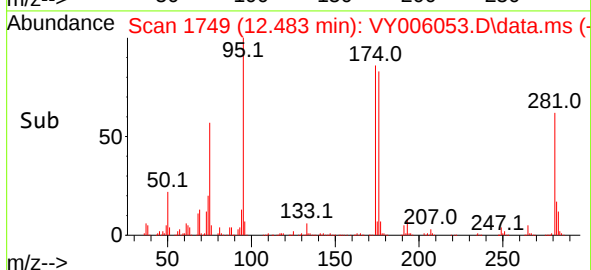
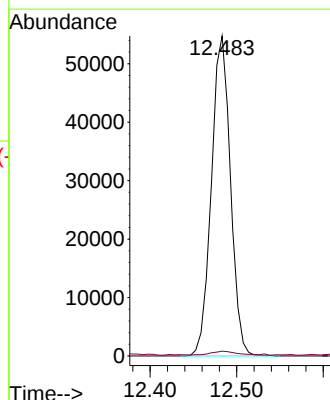
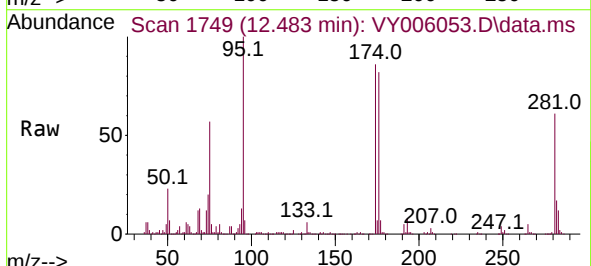
Instrument :
MSVOA_Y
ClientSampled :
11934

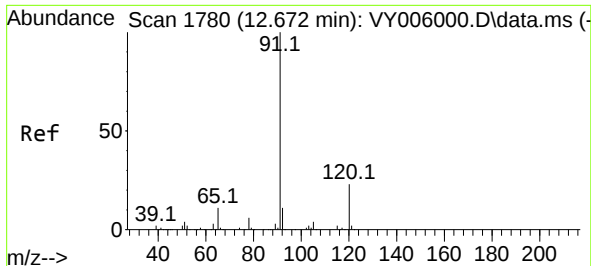
Tgt Ion:105 Resp: 52617
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.2



#76
1,2,3-Trichloropropane
Concen: 53.299 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 75 Resp: 83640
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

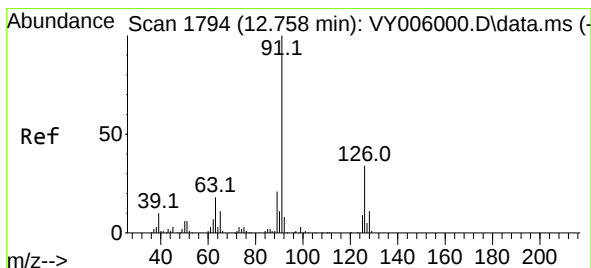
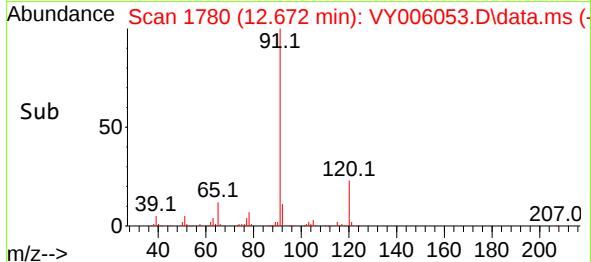
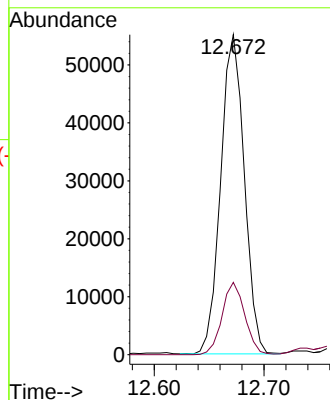
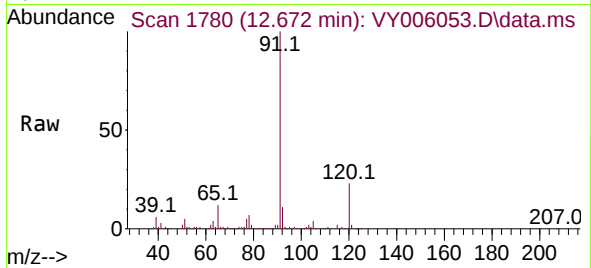




#78
n-propylbenzene
Concen: 5.787 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

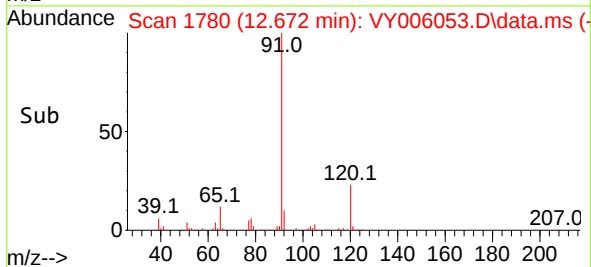
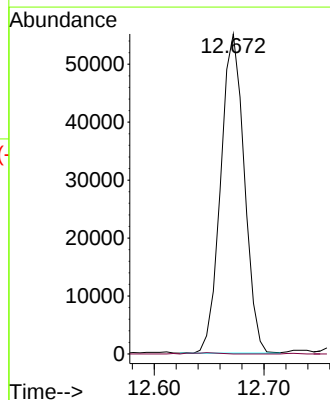
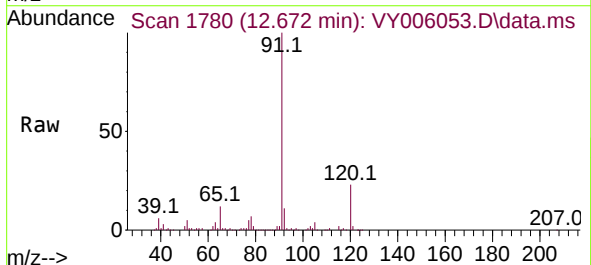
Instrument :
MSVOA_Y
ClientSampled :
11934

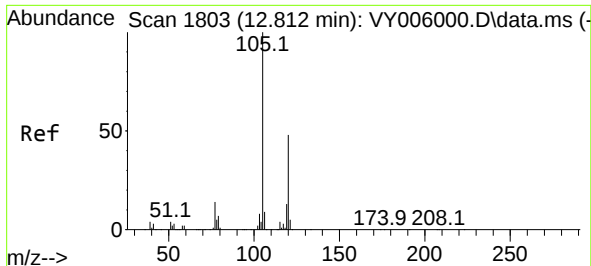
Tgt Ion: 91 Resp: 82530
Ion Ratio Lower Upper
91 100
120 21.8 11.3 33.9



#79
2-Chlorotoluene
Concen: 10.644 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.085 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 91 Resp: 82530
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

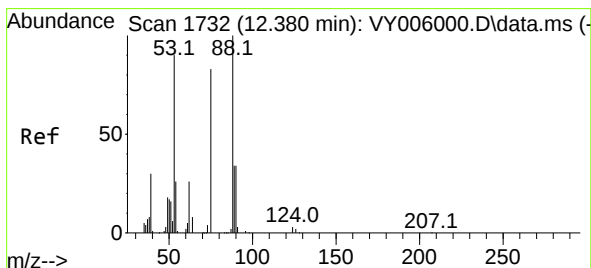
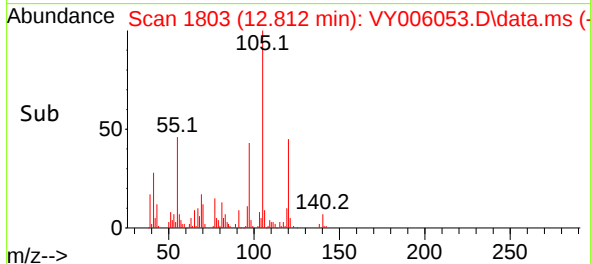
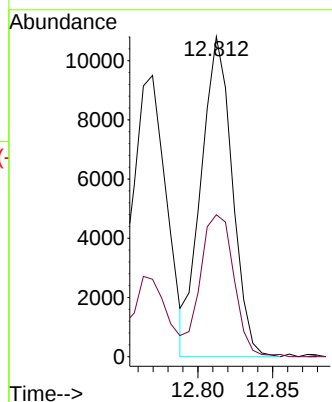
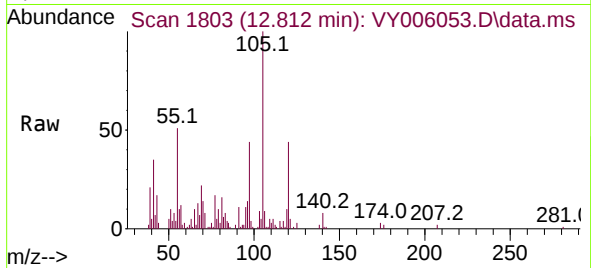




#80
1,3,5-Trimethylbenzene
Concen: 1.639 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

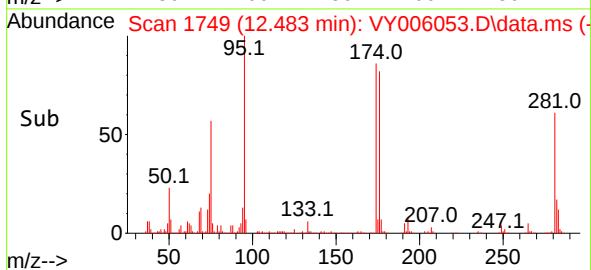
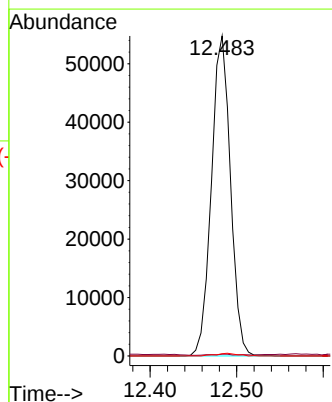
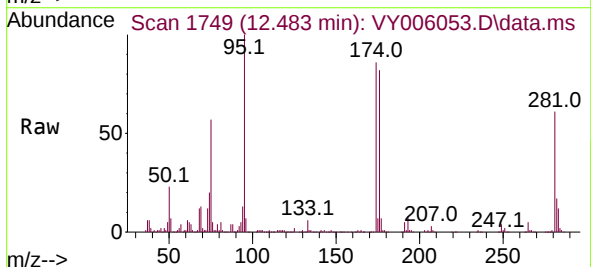
Instrument :
MSVOA_Y
ClientSampled :
11934

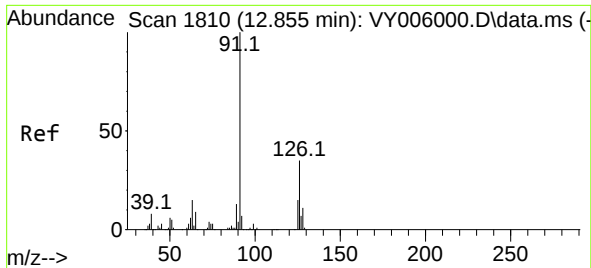
Tgt Ion:105 Resp: 15667
Ion Ratio Lower Upper
105 100
120 48.1 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 97.991 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 75 Resp: 83640
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.9 37.0 55.4#

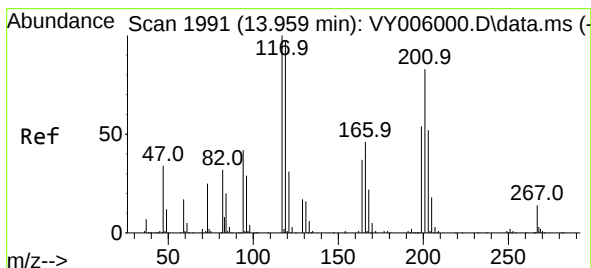
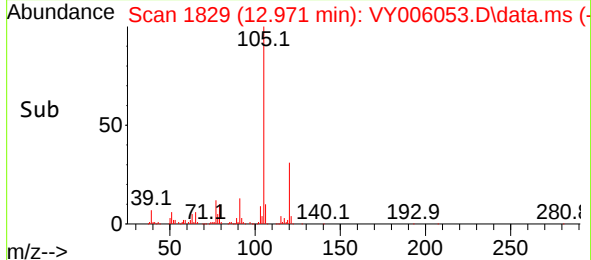
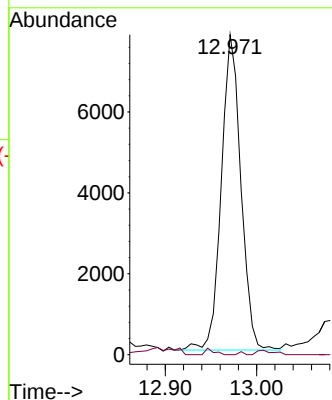
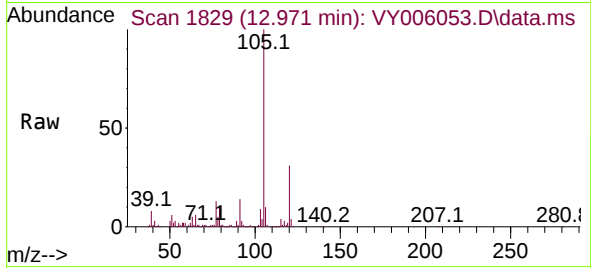




#82
4-Chlorotoluene
Concen: 1.447 ug/l
RT: 12.971 min Scan# 1829
Delta R.T. 0.116 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

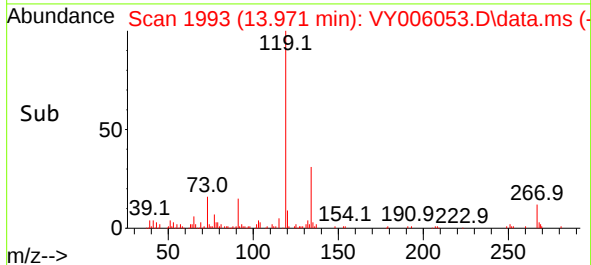
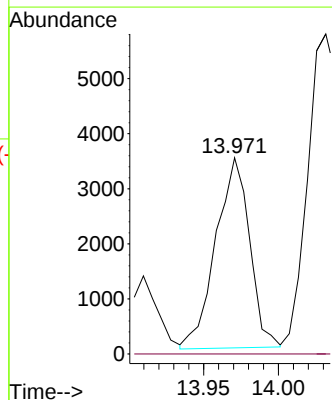
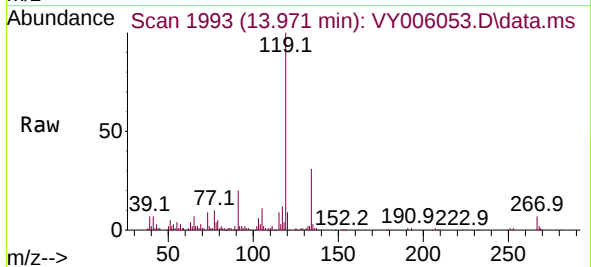
Instrument :
MSVOA_Y
ClientSampled :
11934

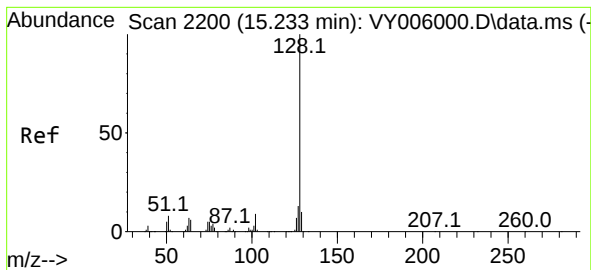
Tgt Ion: 91 Resp: 11600
Ion Ratio Lower Upper
91 100
126 0.2 17.0 51.0#



#90
Hexachloroethane
Concen: 2.888 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Tgt Ion: 117 Resp: 5431
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95
Naphthalene
Concen: 12.683 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY006053.D
Acq: 16 Sep 2021 17:15

Instrument :
MSVOA_Y
ClientSampleId :
11934

Tgt Ion:128 Resp: 74585
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.4
129 11.3 8.4 12.6

