

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy060921\
 Data File : VY005060.D
 Acq On : 09 Jun 2021 20:33
 Operator : SY/MD
 Sample : M2645-01
 Misc : 1.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 10 02:45:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

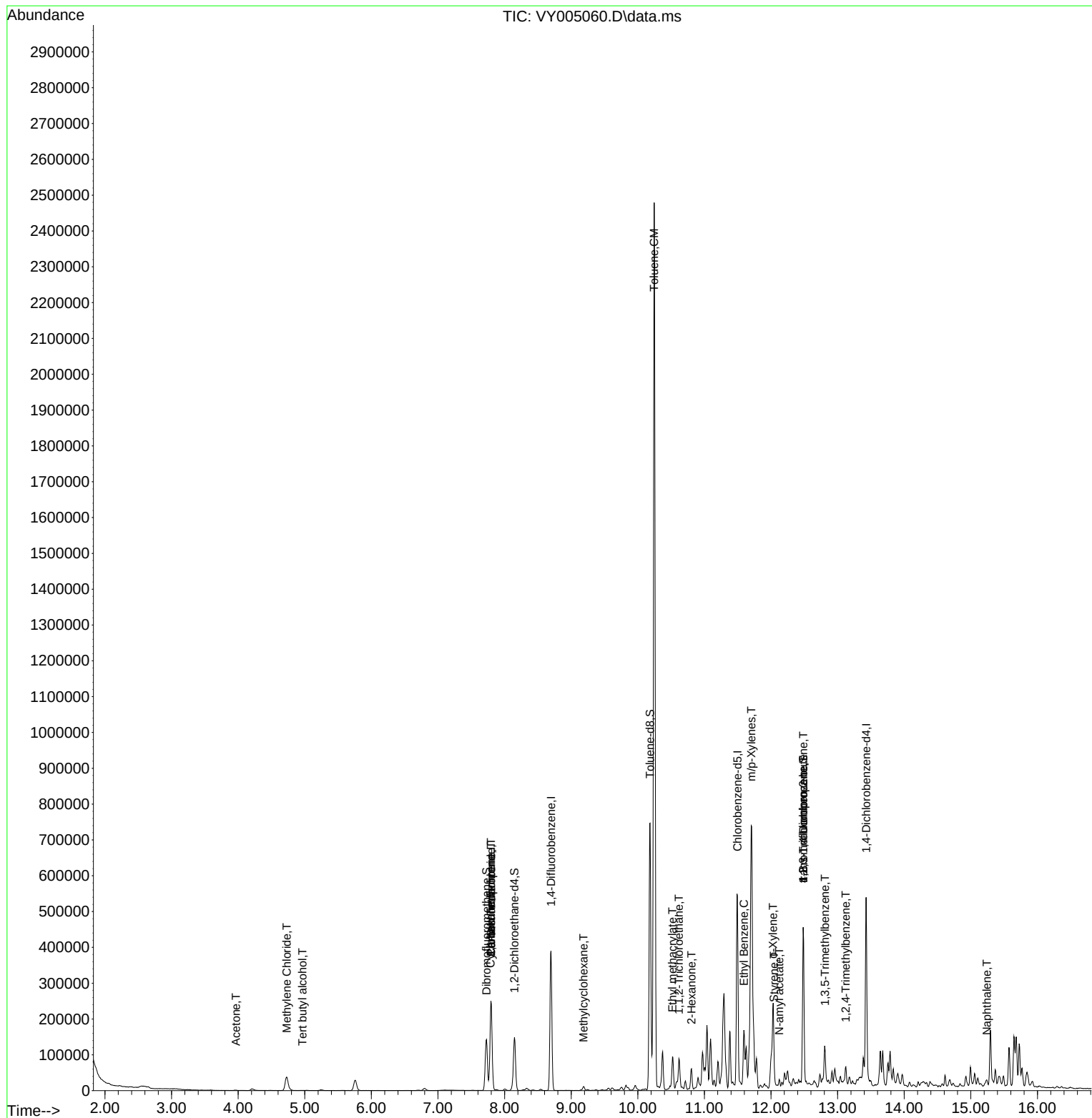
Internal Standards						
1) Pentafluorobenzene	7.795	168	186449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	331045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	302806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	111436	56.535	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.080%			
35) Dibromofluoromethane	7.728	113	102769	57.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.400%			
50) Toluene-d8	10.185	98	419050	56.651	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.300%			
62) 4-Bromofluorobenzene	12.483	95	128833	50.643	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.280%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.966	59	854	3.767	ug/l #	74
16) Acetone	3.966	43	1806	3.806	ug/l #	79
20) Methylene Chloride	4.728	84	28101	7.235	ug/l	90
31) Cyclohexane	7.789	56	6474	1.866	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	15170	4.682	ug/l #	49
38) Carbon Tetrachloride	7.795	117	19185	6.804	ug/l #	16
39) Methylcyclohexane	9.185	83	3827	1.069	ug/l	94
52) Toluene	10.246	92	1007233	179.565	ug/l	100
55) 1,1,2-Trichloroethane	10.618	97	31966	17.749	ug/l #	19
56) Ethyl methacrylate	10.520	69	11409	4.425	ug/l #	30
59) 2-Hexanone	10.807	43	22821	16.833	ug/l #	29
67) Ethyl Benzene	11.593	91	98453	8.880	ug/l	99
68) m/p-Xylenes	11.703	106	163944	39.465	ug/l	99
69) o-Xylene	12.032	106	51692	13.362	ug/l	100
70) Styrene	12.044	104	8797	1.365	ug/l #	3
74) N-amyl acetate	12.124	43	5227	1.737	ug/l #	54
76) 1,2,3-Trichloropropane	12.483	75	67289	49.721	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	7727	1.004	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	67289	91.376	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.123	105	27027	3.535	ug/l	98
95) Naphthalene	15.239	128	14770	3.052	ug/l	98

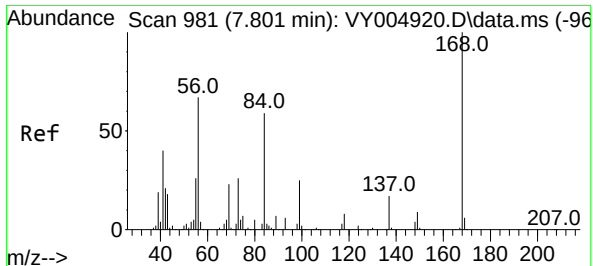
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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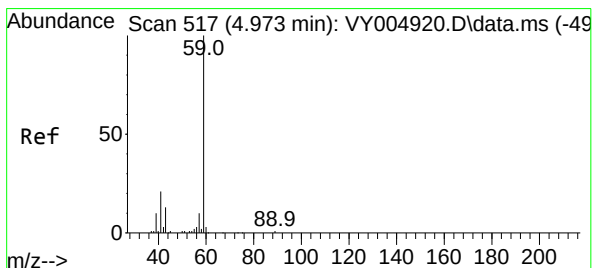
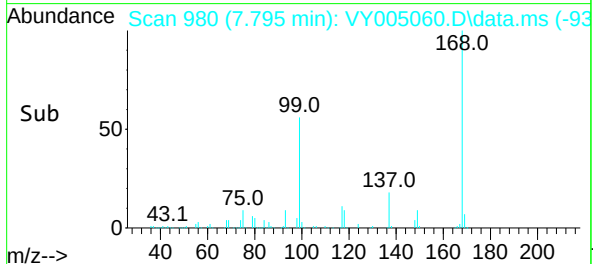
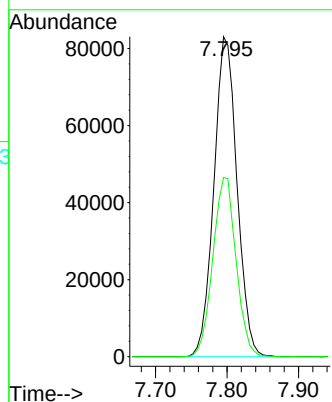
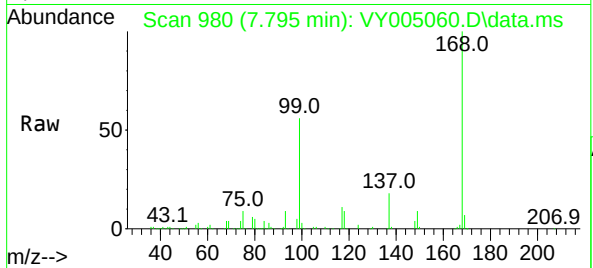




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

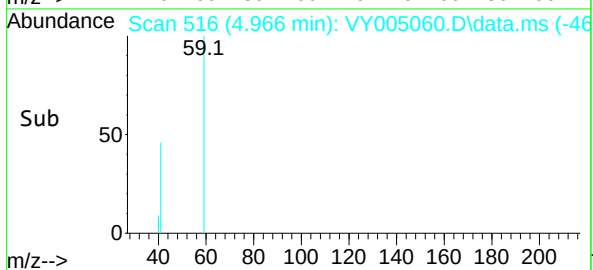
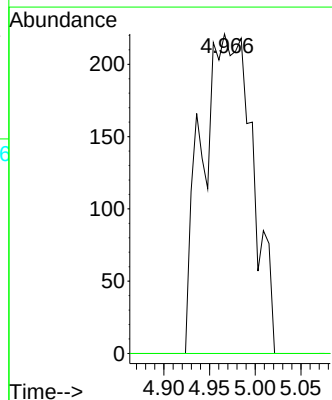
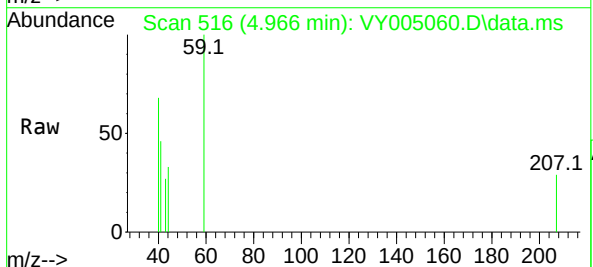
Instrument :
MSVOA_Y
ClientSampleId :

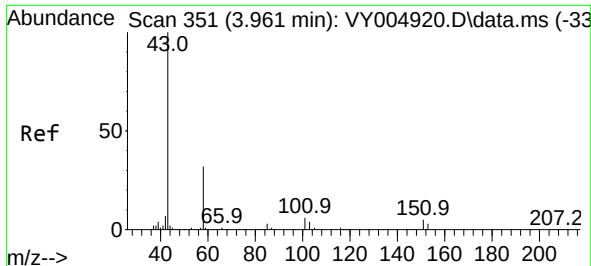
Tgt Ion:168 Resp: 186449
Ion Ratio Lower Upper
168 100
99 56.0 43.9 65.9



#11
Tert butyl alcohol
Concen: 3.767 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.007 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 59 Resp: 854
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

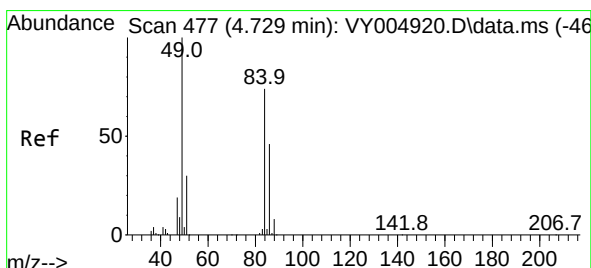
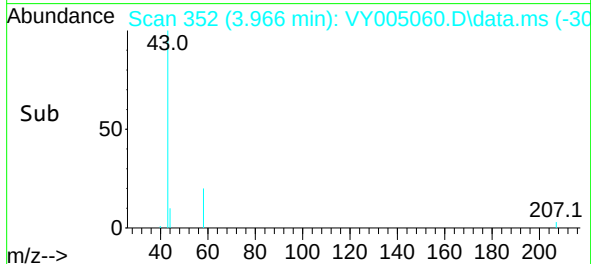
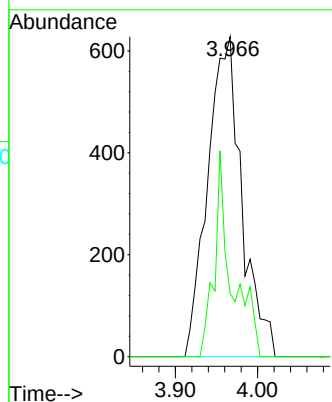
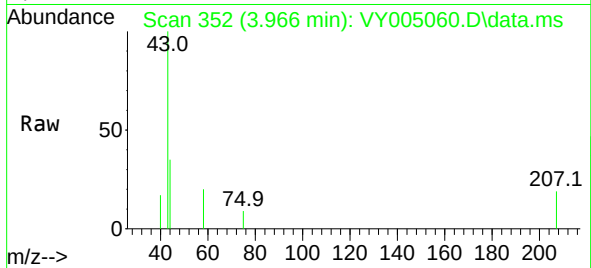




#16
Acetone
Concen: 3.806 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

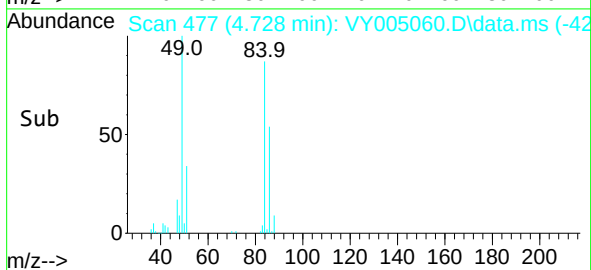
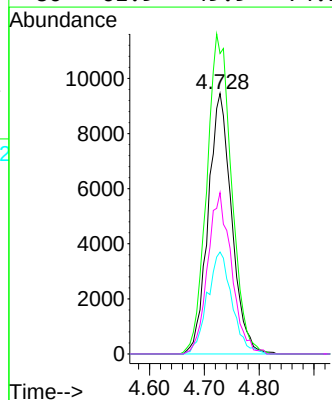
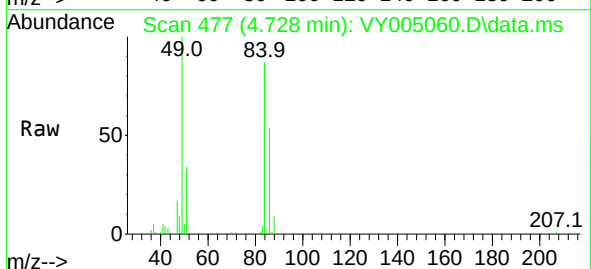
Instrument :
MSVOA_Y
ClientSampled :

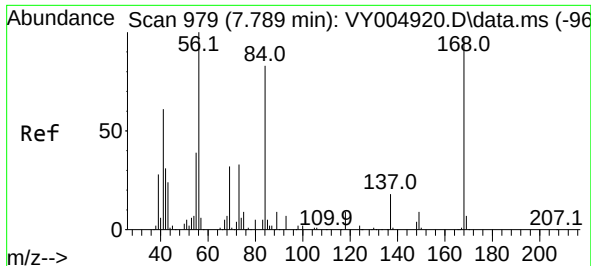
Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
58 19.7 25.3 37.9#



#20
Methylene Chloride
Concen: 7.235 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

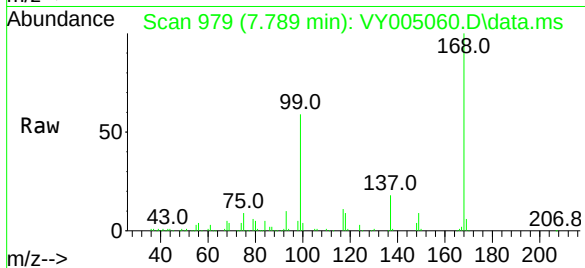
Tgt Ion: 84 Resp: 28101
Ion Ratio Lower Upper
84 100
49 115.4 108.0 162.0
51 39.1 32.6 48.8
86 61.9 49.9 74.9



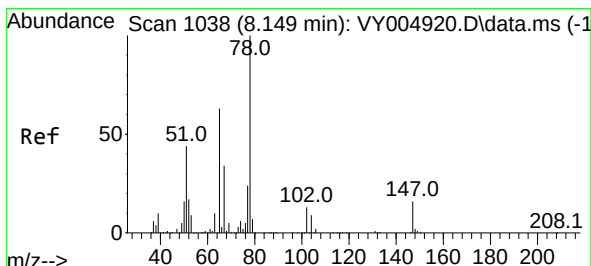
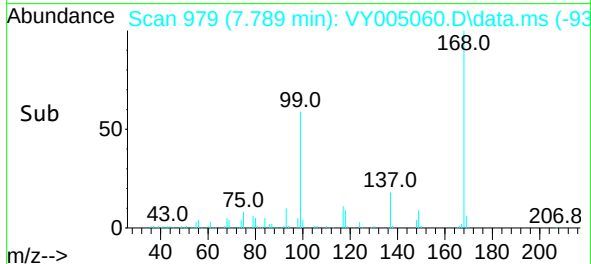
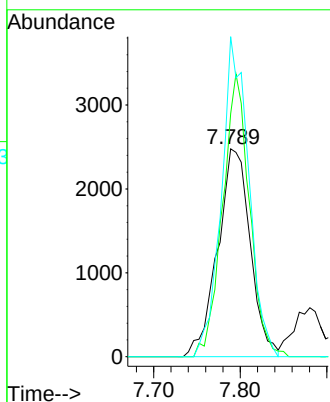


#31
Cyclohexane
Concen: 1.866 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Instrument :
MSVOA_Y
ClientSampleId :

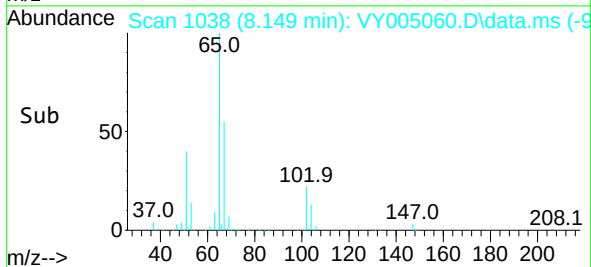
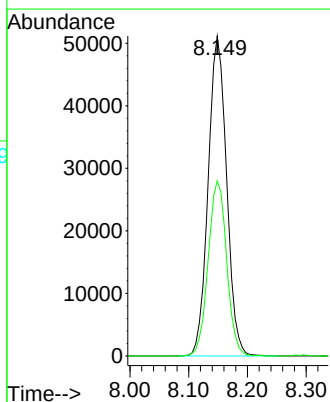
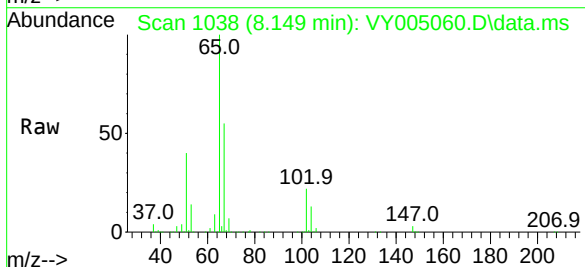


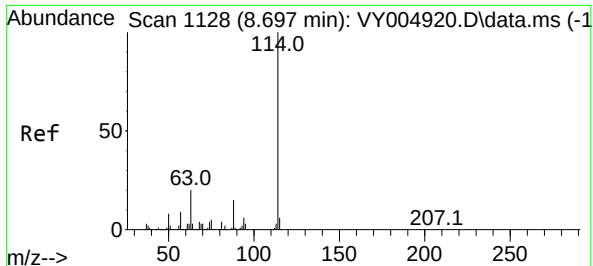
Tgt Ion: 56 Resp: 6474
Ion Ratio Lower Upper
56 100
69 116.9 25.3 37.9#
84 153.9 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 56.535 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 65 Resp: 111436
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY005060.D

Acq: 09 Jun 2021 20:33

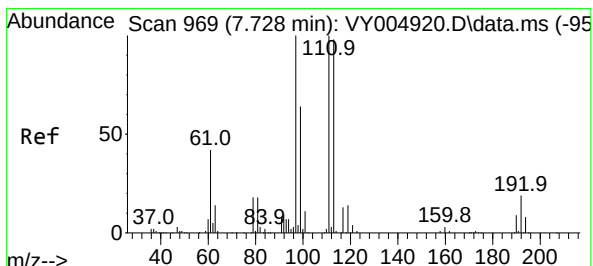
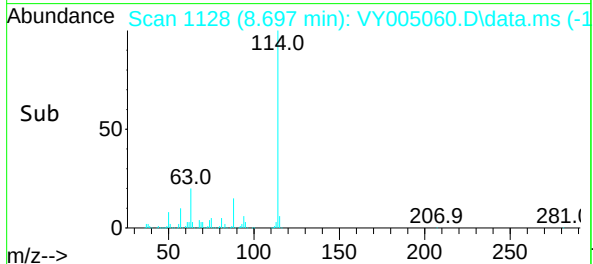
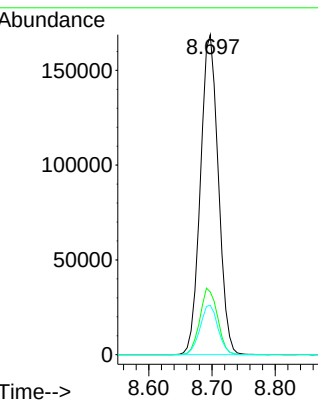
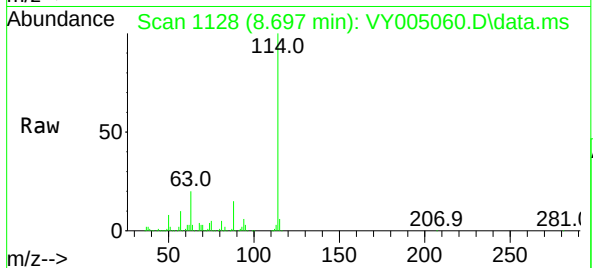
Tgt Ion:114 Resp: 331045

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.701 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY005060.D

Acq: 09 Jun 2021 20:33

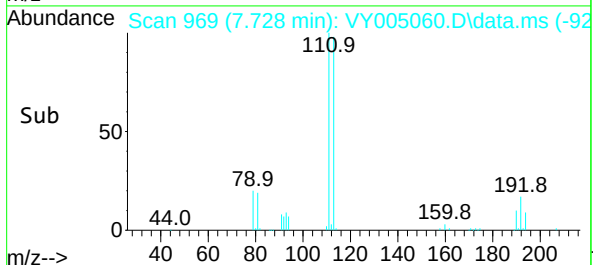
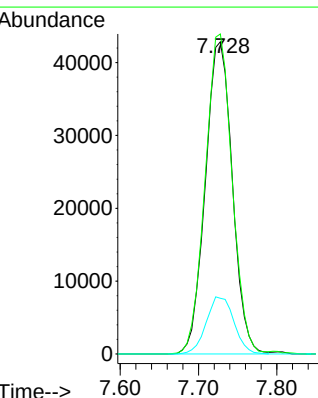
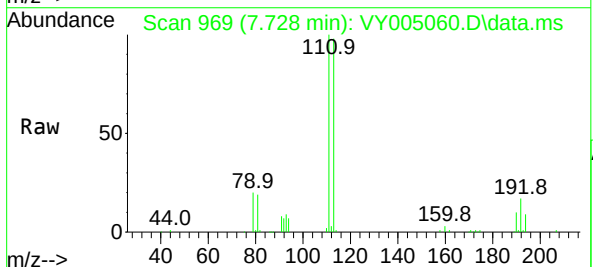
Tgt Ion:113 Resp: 102769

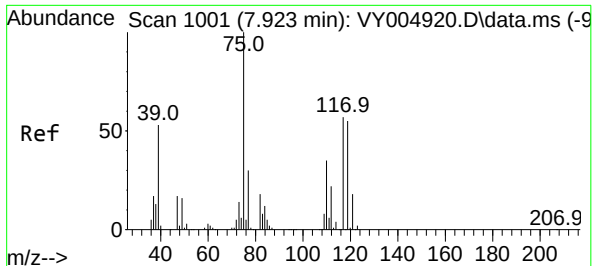
Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

192 18.8 15.3 22.9

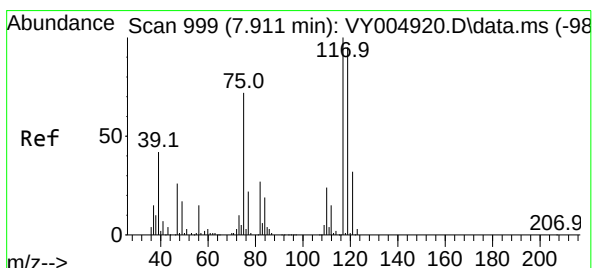
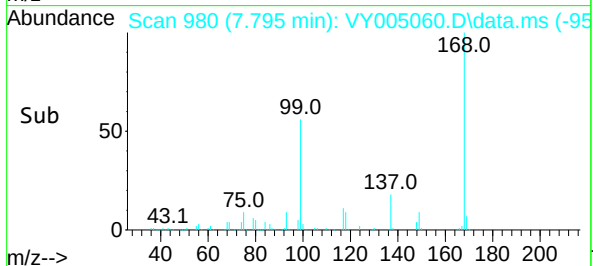
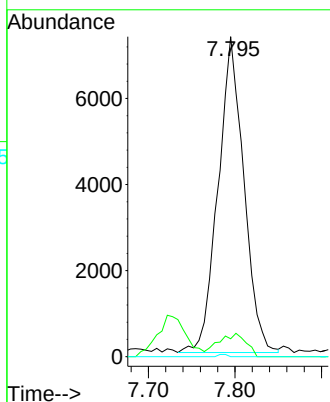
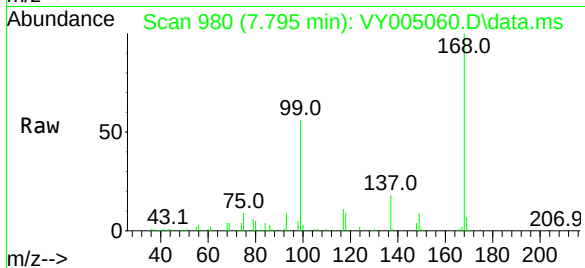




#36
1,1-Dichloropropene
Concen: 4.682 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

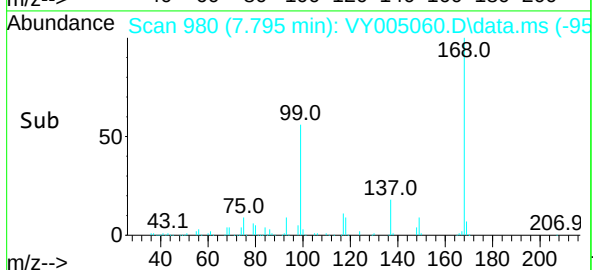
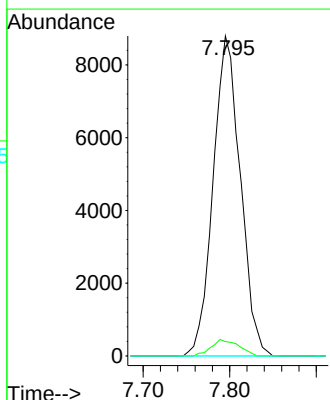
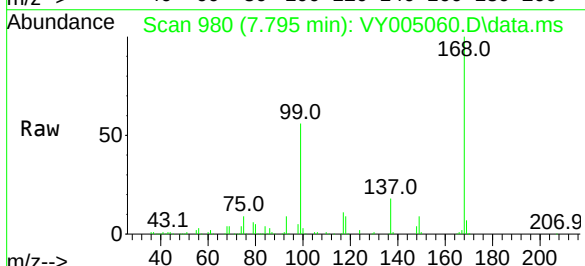
Instrument :
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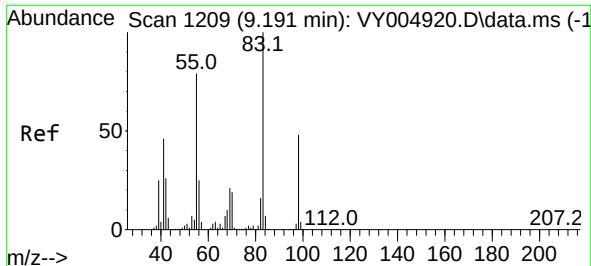
Tgt Ion: 75 Resp: 15170
Ion Ratio Lower Upper
75 100
110 7.9 17.5 52.5#
77 0.3 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.804 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 117 Resp: 19185
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 1.069 ug/l

RT: 9.185 min Scan# 1208

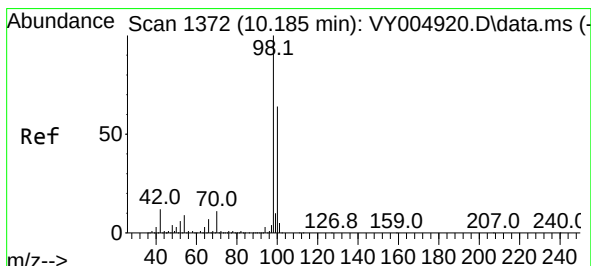
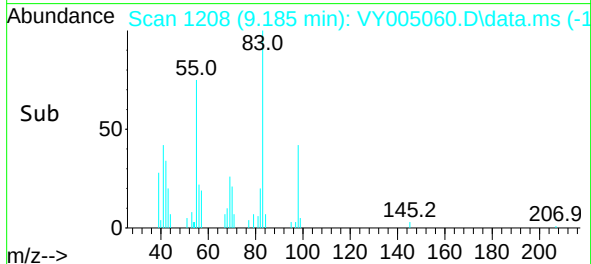
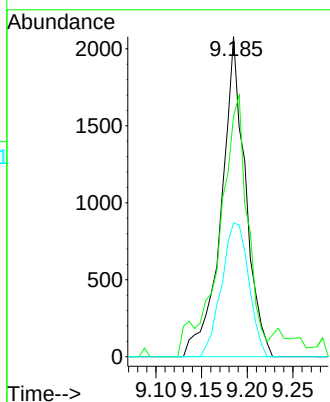
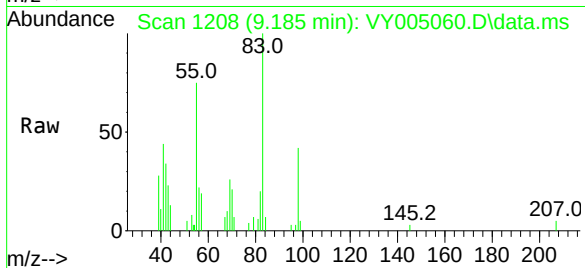
Delta R.T. -0.006 min

Lab File: VY005060.D

Acq: 09 Jun 2021 20:33

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 83	Resp: 3827
Ion Ratio	Lower Upper
83	100
55	75.2 63.1 94.7
98	41.8 38.6 58.0



#50

Toluene-d8

Concen: 56.651 ug/l

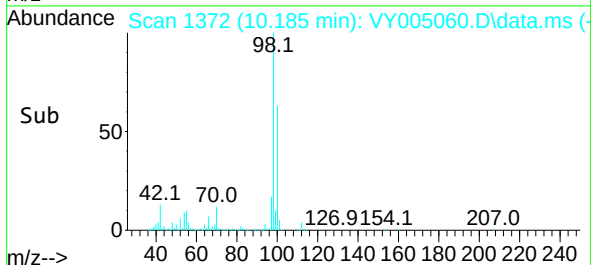
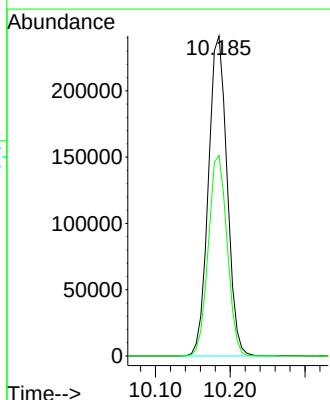
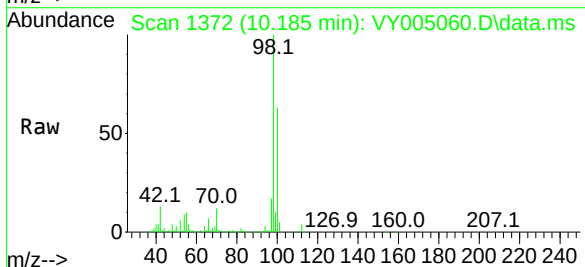
RT: 10.185 min Scan# 1372

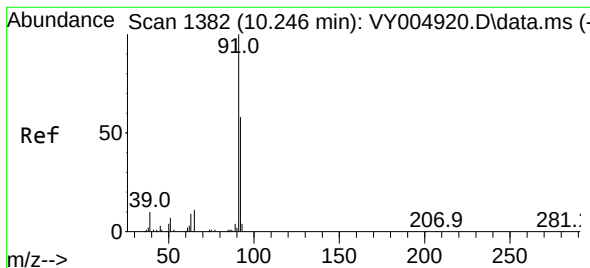
Delta R.T. -0.000 min

Lab File: VY005060.D

Acq: 09 Jun 2021 20:33

Tgt Ion: 98	Resp: 419050
Ion Ratio	Lower Upper
98	100
100	63.0 51.8 77.6

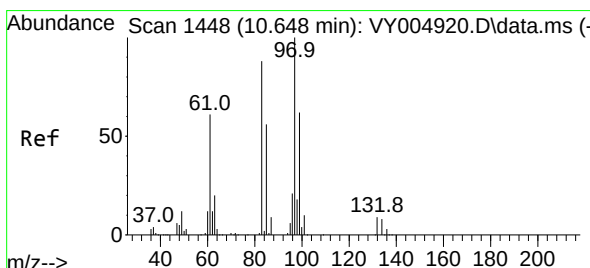
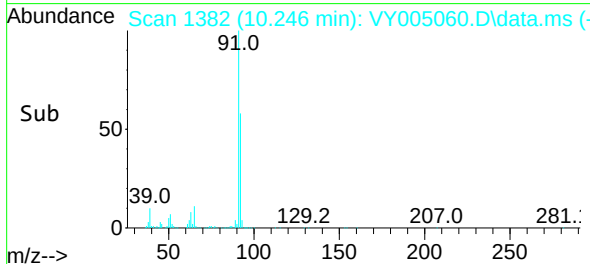
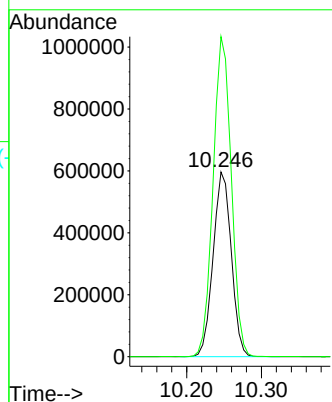
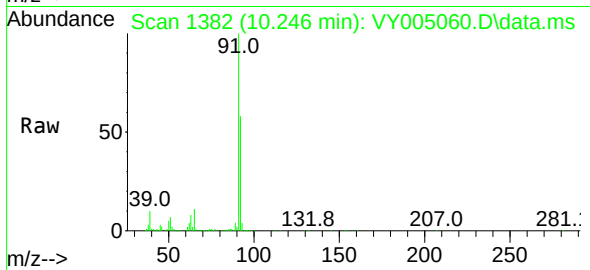




#52
Toluene
Concen: 179.565 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

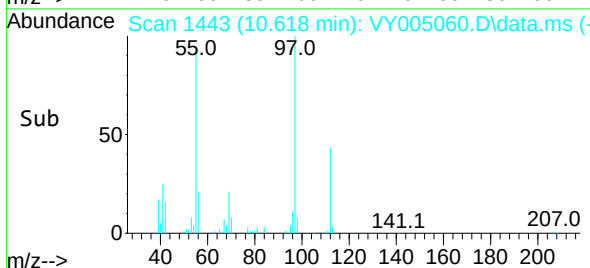
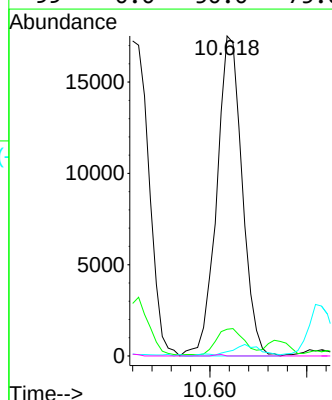
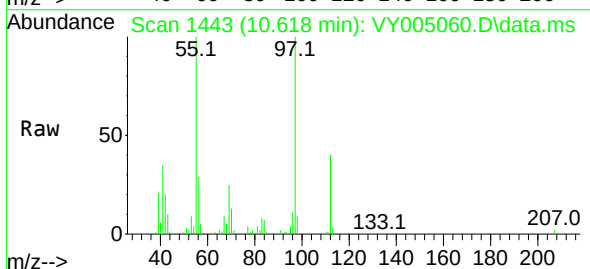
Instrument :
MSVOA_Y
ClientSampled :

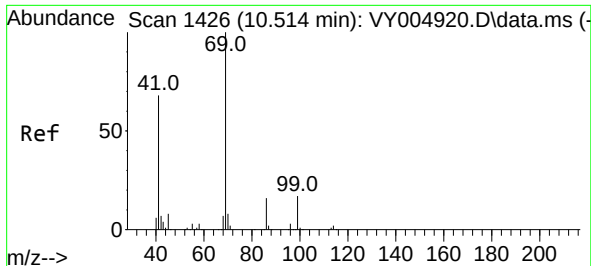
Tgt Ion: 92 Resp: 1007233
Ion Ratio Lower Upper
92 100
91 174.0 139.3 208.9



#55
1,1,2-Trichloroethane
Concen: 17.749 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 97 Resp: 31966
Ion Ratio Lower Upper
97 100
83 8.0 70.3 105.5#
85 1.0 44.6 66.8#
99 0.0 50.0 75.0#

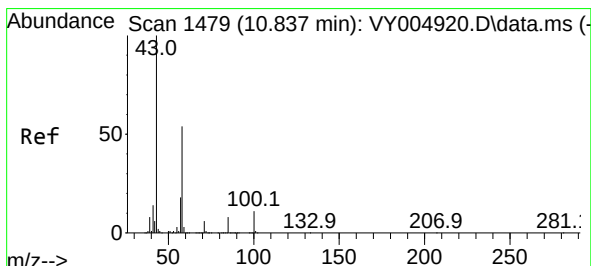
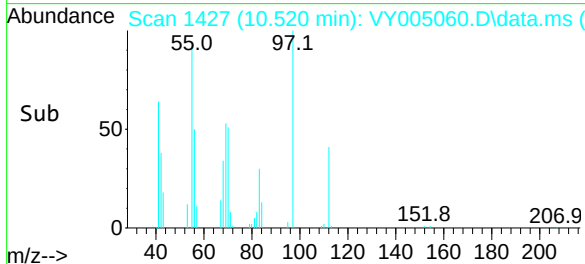
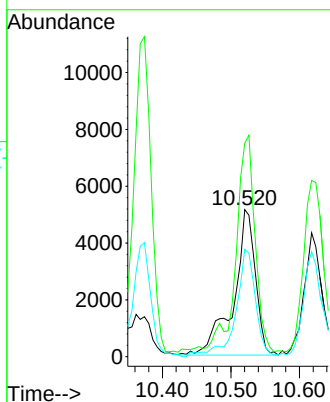
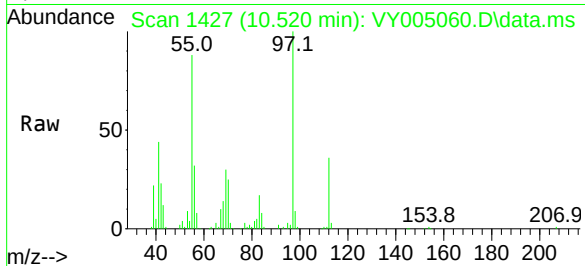




#56
Ethyl methacrylate
Concen: 4.425 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

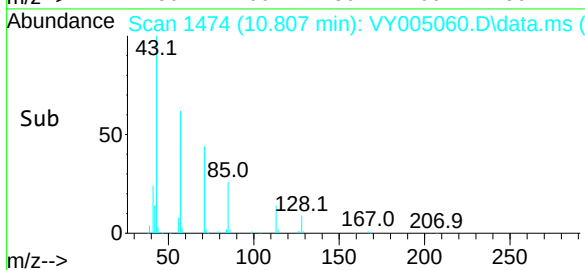
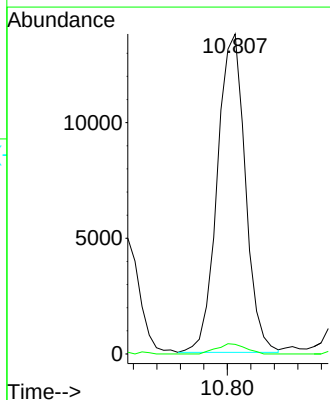
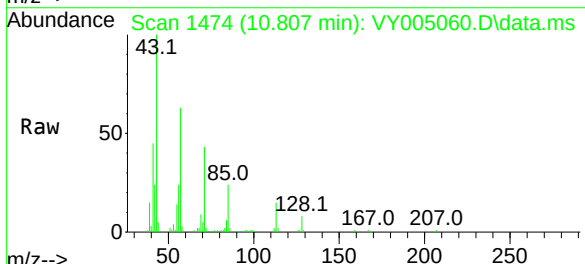
Instrument :
MSVOA_Y
ClientSampled :

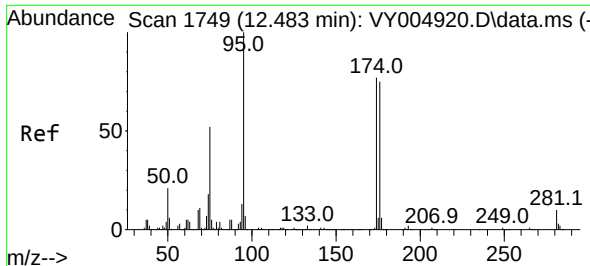
Tgt Ion: 69 Resp: 11409
Ion Ratio Lower Upper
69 100
41 130.4 55.7 83.5#
39 66.7 26.2 39.4#



#59
2-Hexanone
Concen: 16.833 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 43 Resp: 22821
Ion Ratio Lower Upper
43 100
58 3.3 27.0 80.8#

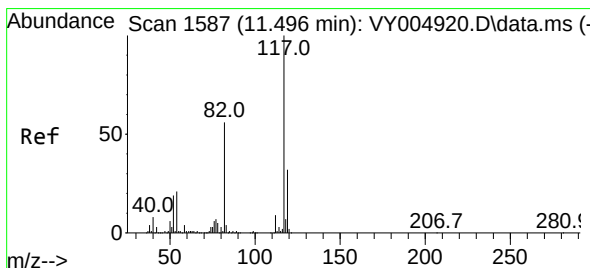
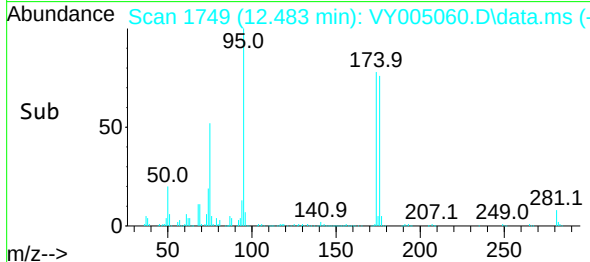
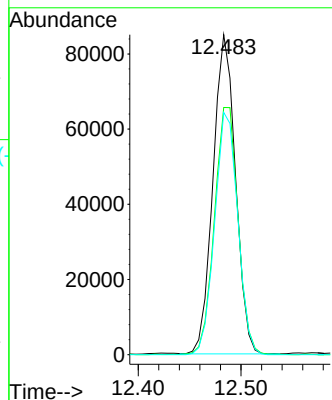
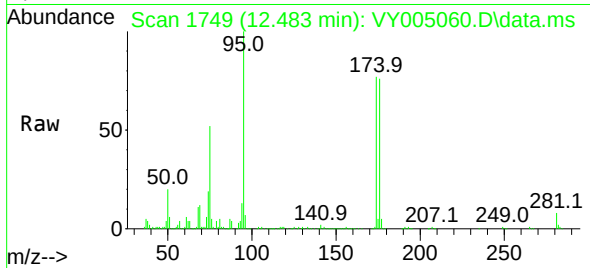




#62
4-Bromofluorobenzene
Concen: 50.643 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

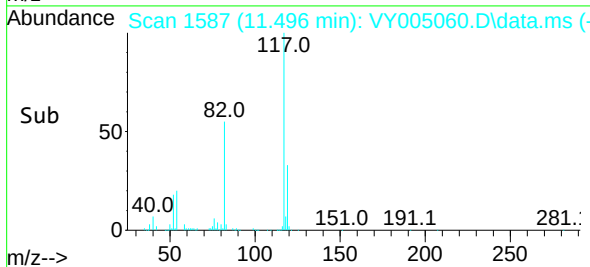
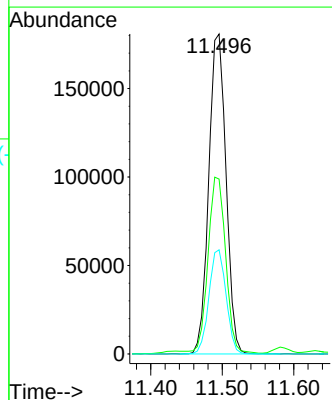
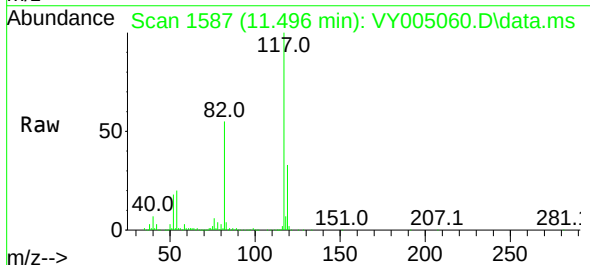
Instrument :
MSVOA_Y
ClientSampleId :

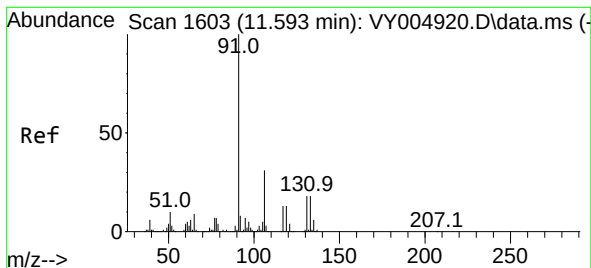
Tgt Ion: 95 Resp: 128833
Ion Ratio Lower Upper
95 100
174 81.3 0.0 160.8
176 77.8 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 117 Resp: 302806
Ion Ratio Lower Upper
117 100
82 53.8 44.8 67.2
119 32.6 25.2 37.8

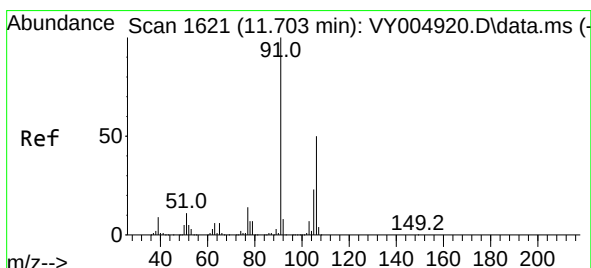
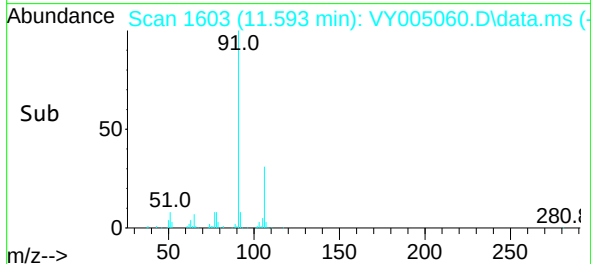
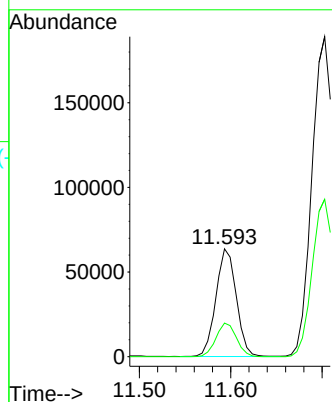
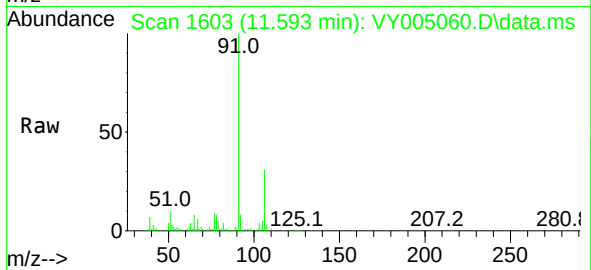




#67
Ethyl Benzene
Concen: 8.880 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

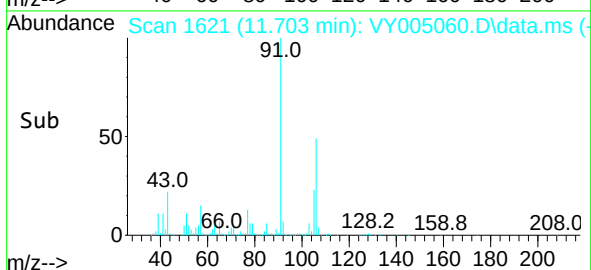
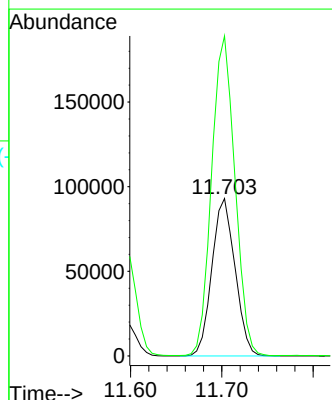
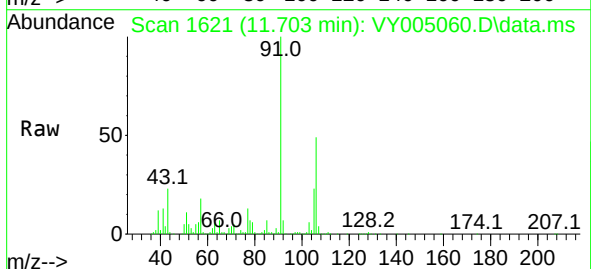
Instrument :
MSVOA_Y
ClientSampled :

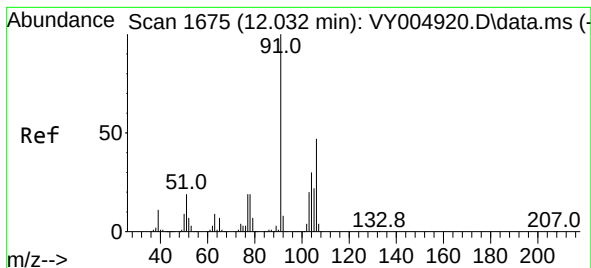
Tgt Ion: 91 Resp: 98453
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8



#68
m/p-Xylenes
Concen: 39.465 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 106 Resp: 163944
Ion Ratio Lower Upper
106 100
91 204.3 161.9 242.9

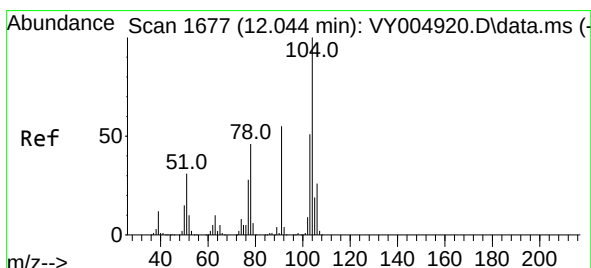
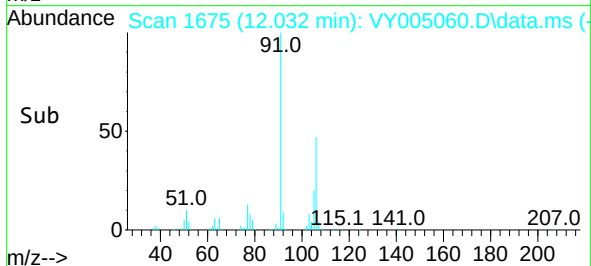
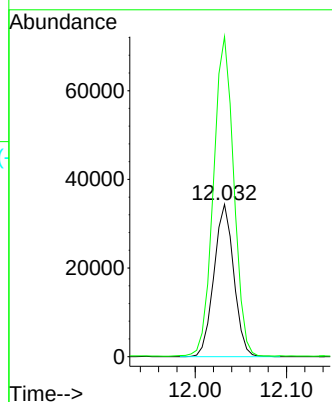
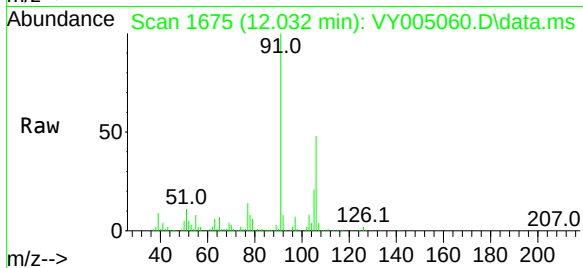




#69
o-Xylene
Concen: 13.362 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

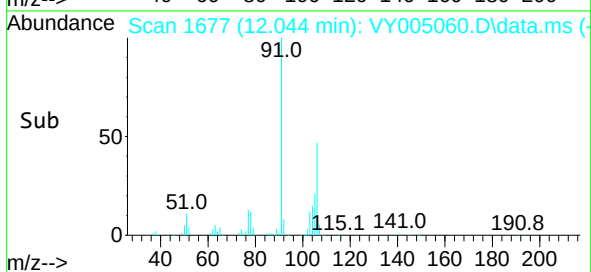
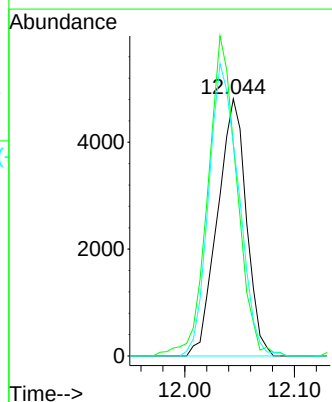
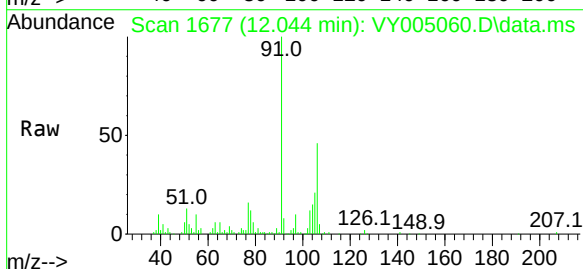
Instrument :
MSVOA_Y
ClientSampled :

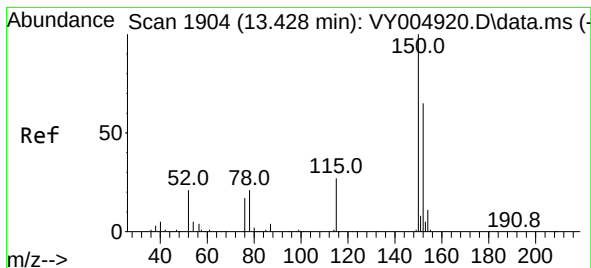
Tgt Ion:106 Resp: 51692
Ion Ratio Lower Upper
106 100
91 215.6 108.0 324.0



#70
Styrene
Concen: 1.365 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion:104 Resp: 8797
Ion Ratio Lower Upper
104 100
78 125.0 40.2 60.2#
103 117.6 44.0 66.0#

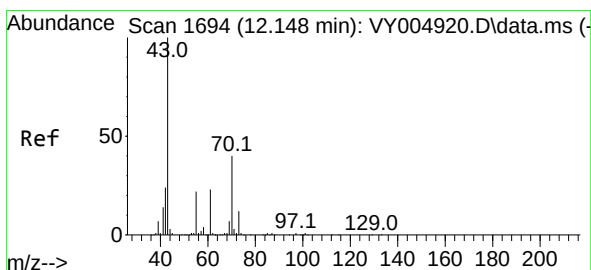
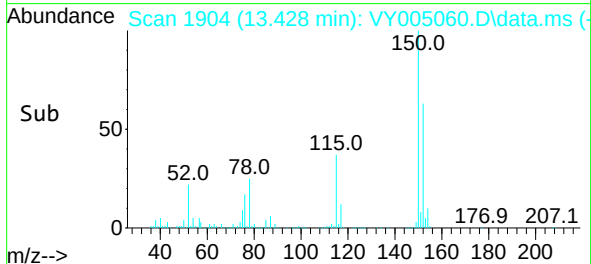
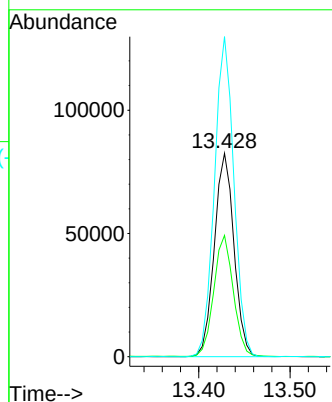
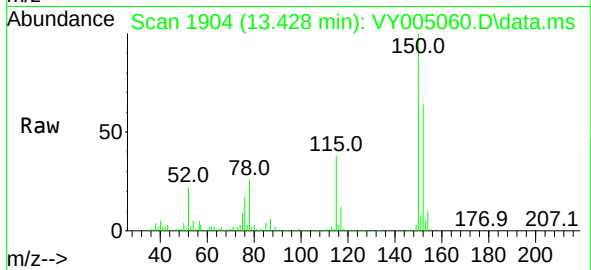




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

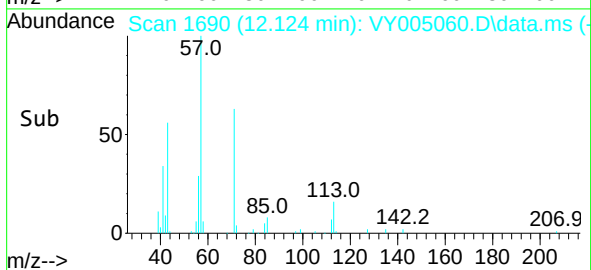
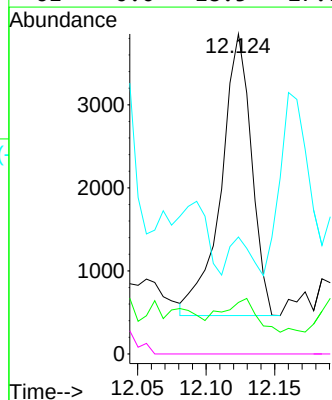
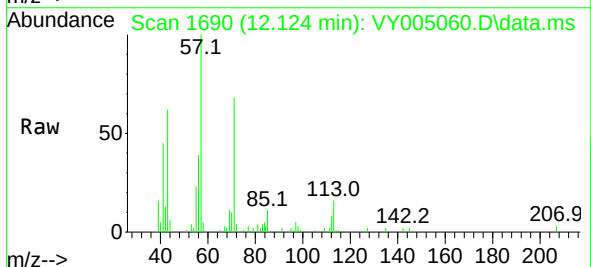
Instrument :
MSVOA_Y
ClientSampleId :

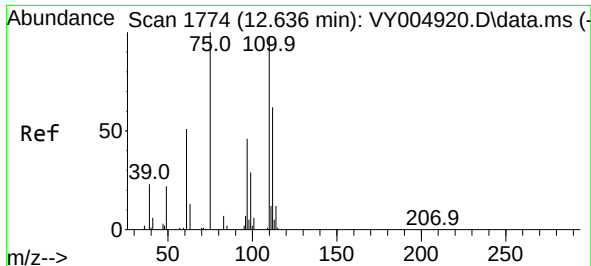
Tgt Ion:152 Resp: 123457
Ion Ratio Lower Upper
152 100
115 59.2 29.9 89.7
150 156.0 0.0 347.8



#74
N-ethyl acetate
Concen: 1.737 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 43 Resp: 5227
Ion Ratio Lower Upper
43 100
70 12.1 32.0 48.0#
55 0.0 17.9 26.9#
61 0.0 18.5 27.7#

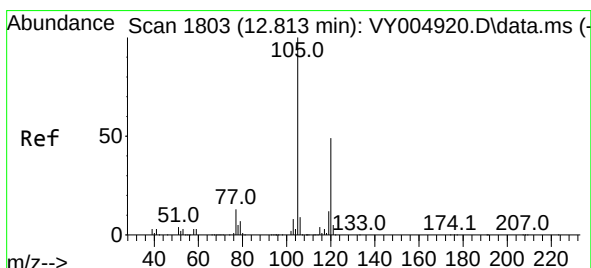
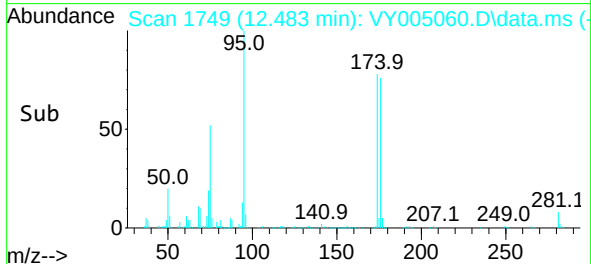
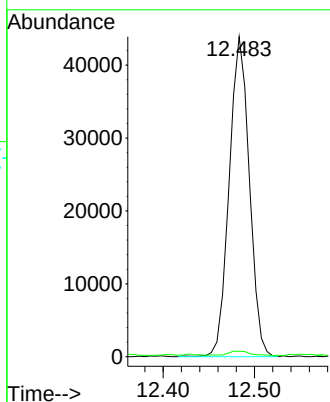
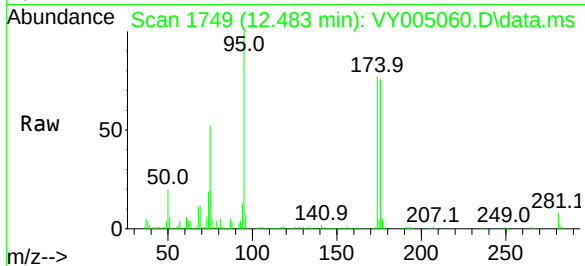




#76
1,2,3-Trichloropropane
Concen: 49.721 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

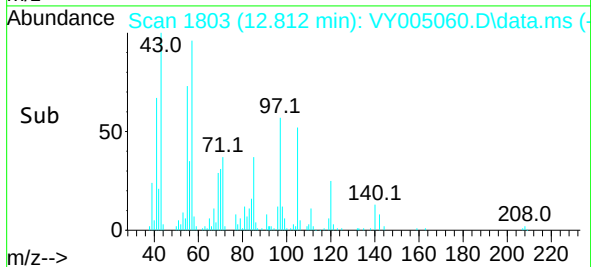
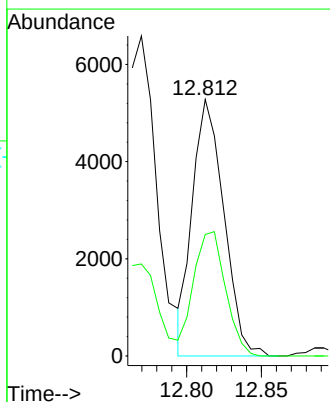
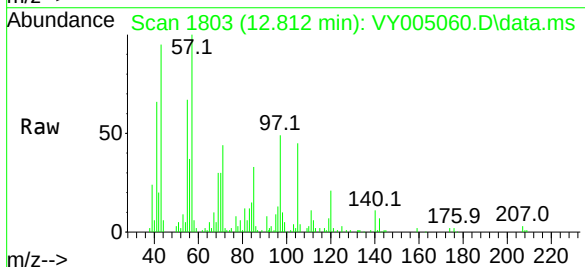
Instrument :
MSVOA_Y
ClientSampled :

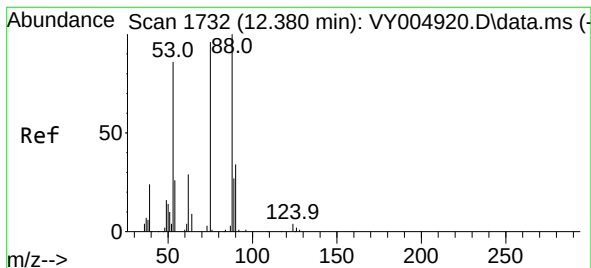
Tgt Ion: 75 Resp: 67289
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.004 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 105 Resp: 7727
Ion Ratio Lower Upper
105 100
120 49.2 24.5 73.5

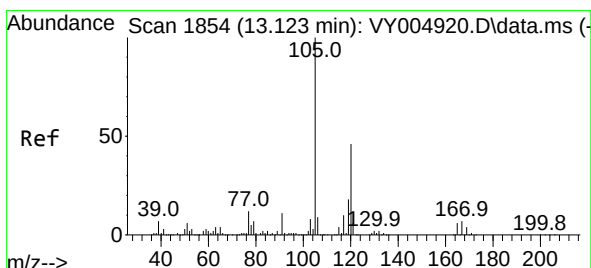
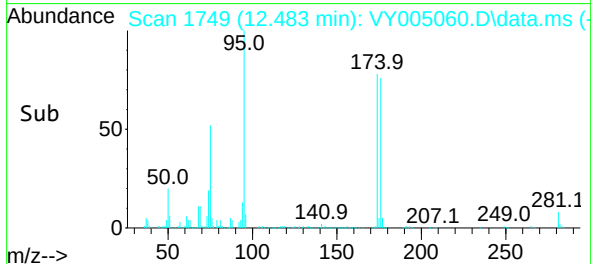
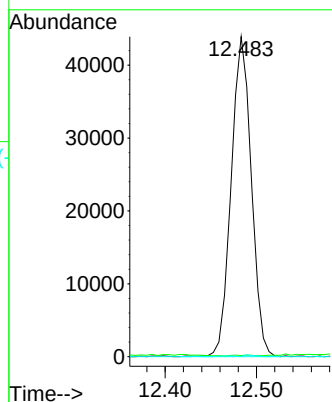
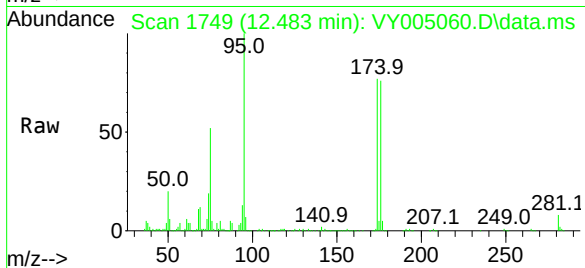




#81
trans-1,4-Dichloro-2-butene
Concen: 91.376 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

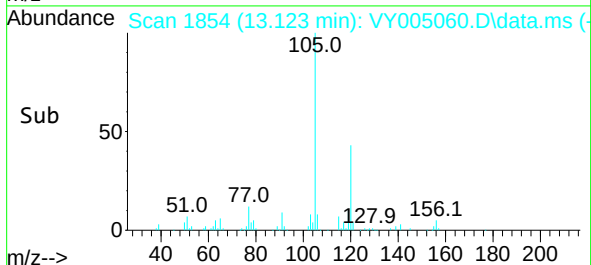
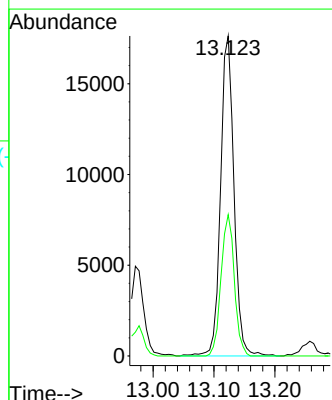
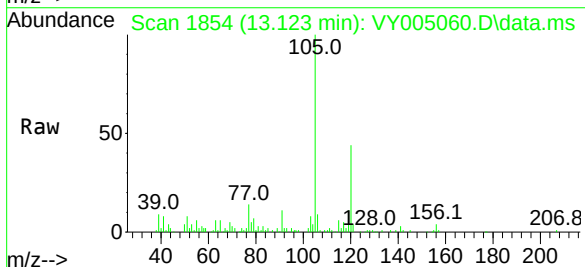
Instrument :
MSVOA_Y
ClientSampled :

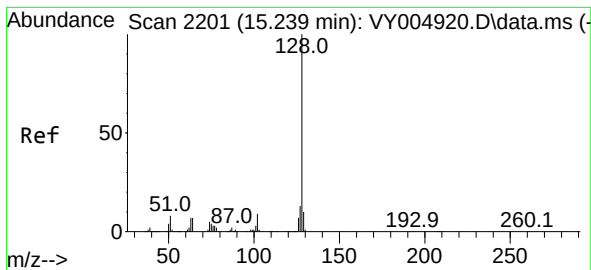
Tgt Ion: 75 Resp: 67289
Ion Ratio Lower Upper
75 100
53 0.3 69.3 103.9#
89 0.3 35.0 52.6#



#84
1,2,4-Trimethylbenzene
Concen: 3.535 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Tgt Ion: 105 Resp: 27027
Ion Ratio Lower Upper
105 100
120 43.7 22.6 67.7





#95
Naphthalene
Concen: 3.052 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005060.D
Acq: 09 Jun 2021 20:33

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 14770
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.2
129 11.7 8.7 13.1

