

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070221\
 Data File : VY005341.D
 Acq On : 02 Jul 2021 14:45
 Operator : SY/MD
 Sample : M2933-01
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1

Quant Time: Jul 05 01:05:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

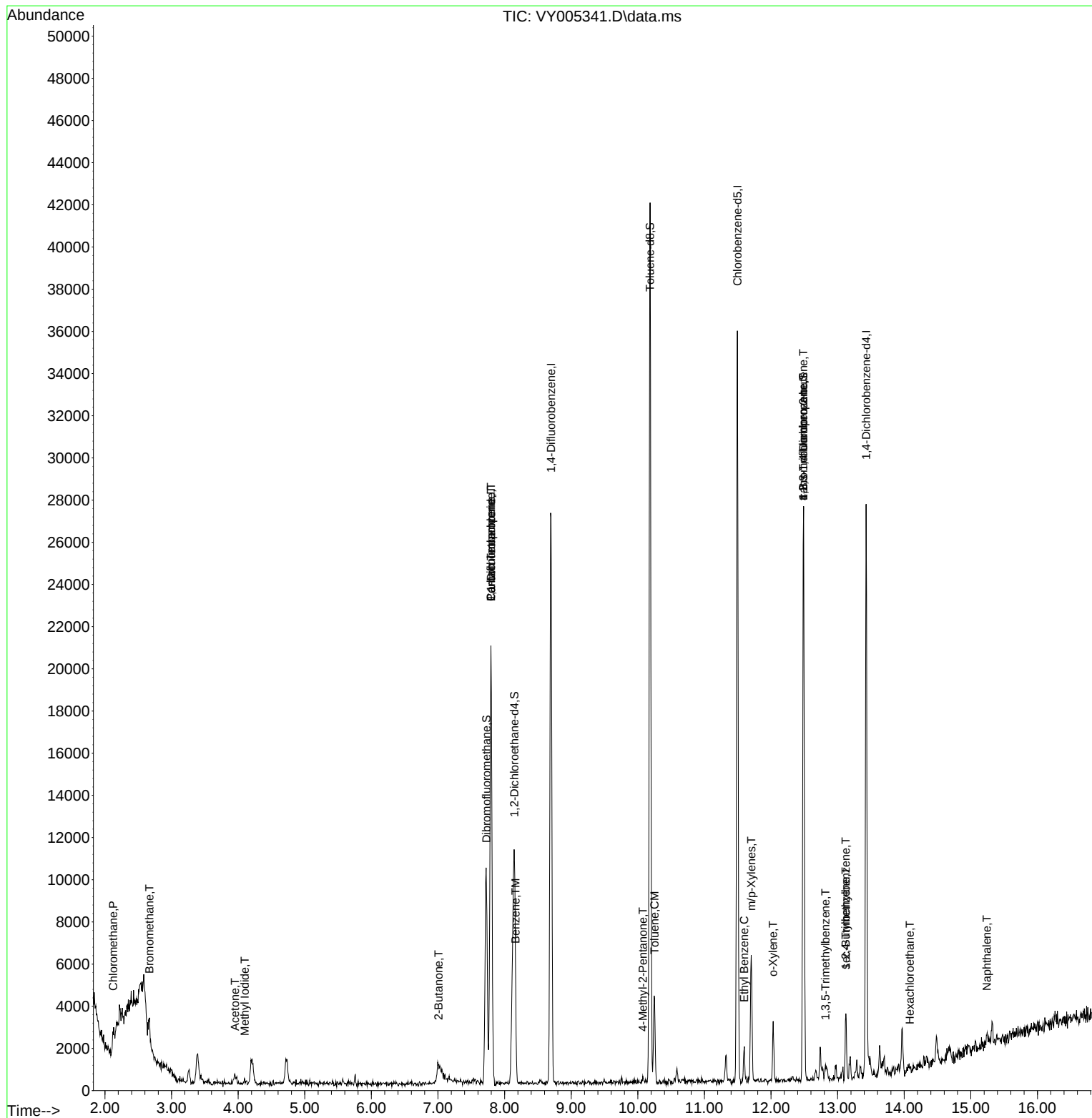
Internal Standards						
1) Pentafluorobenzene	7.795	168	17272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	24155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	20005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	7195	50.198	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.400%			
35) Dibromofluoromethane	7.728	113	7350	51.595	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.200%			
50) Toluene-d8	10.185	98	27759	48.726	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.460%			
62) 4-Bromofluorobenzene	12.483	95	6585	34.688	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 69.380%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	334	2.208	ug/l	96
5) Bromomethane	2.668	94	499	4.549	ug/l	99
10) Methyl Iodide	4.101	142	400	1.987	ug/l #	68
11) Tert butyl alcohol	4.936	59	43	Below Cal	#	77
16) Acetone	3.954	43	792	23.919	ug/l #	80
20) Methylene Chloride	4.716	84	883	Below Cal		96
25) 2-Butanone	7.009	43	73	1.512	ug/l #	43
36) 1,1-Dichloropropene	7.795	75	1280	6.018	ug/l #	40
38) Carbon Tetrachloride	7.795	117	1426	6.405	ug/l #	12
40) Benzene	8.167	78	795	1.268	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	155	1.469	ug/l #	32
52) Toluene	10.252	92	1972	4.919	ug/l	97
67) Ethyl Benzene	11.599	91	1315	1.923	ug/l #	78
68) m/p-Xylenes	11.703	106	1918	7.002	ug/l	99
69) o-Xylene	12.032	106	709	2.733	ug/l	84
76) 1,2,3-Trichloropropane	12.483	75	3213	51.350	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.818	105	490	1.294	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	3213	95.808	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.123	105	1919	5.128	ug/l	94
85) sec-Butylbenzene	13.123	105	1919	3.909	ug/l #	54
90) Hexachloroethane	14.087	117	221	2.888	ug/l #	1
95) Naphthalene	15.239	128	454	1.698	ug/l #	69

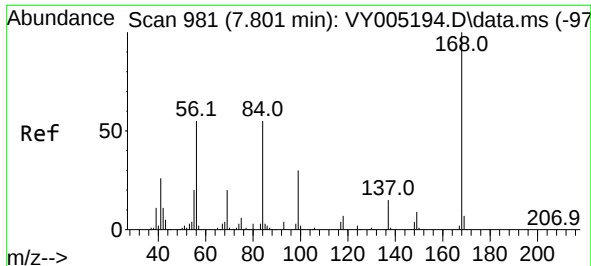
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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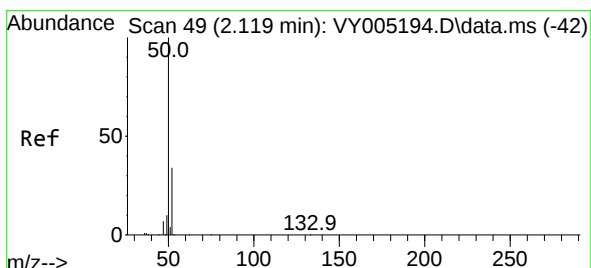
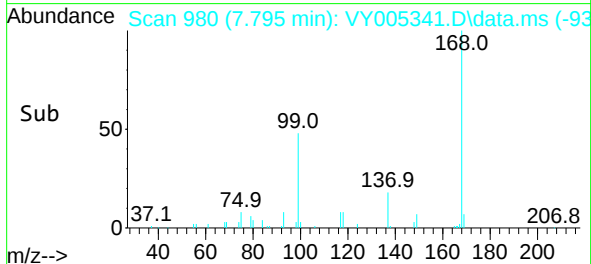
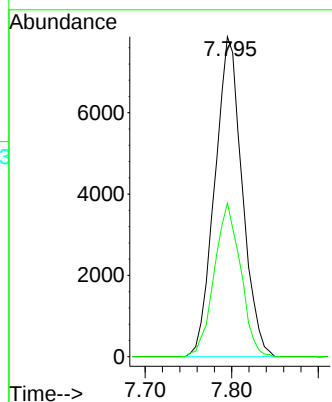
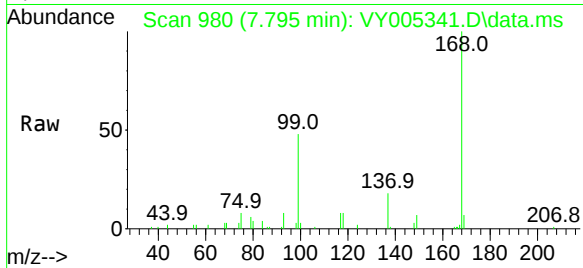




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

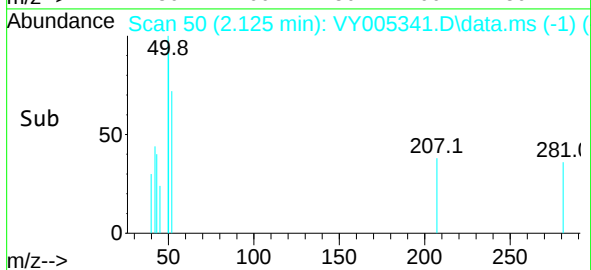
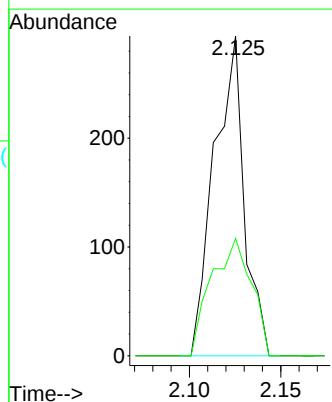
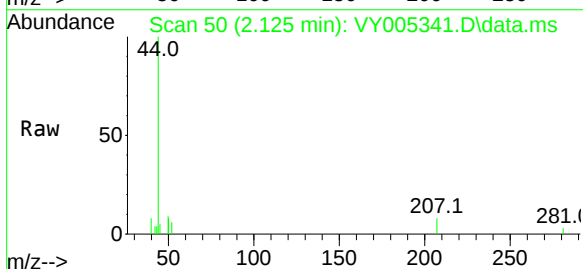
Instrument :
MSVOA_Y
ClientSampleId :
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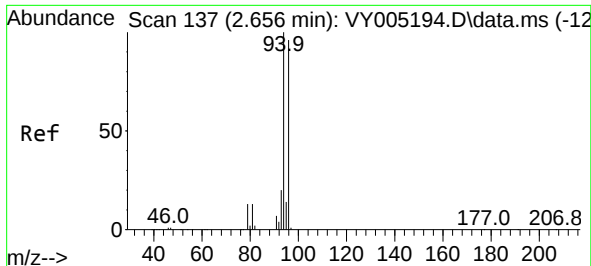
Tgt Ion:168 Resp: 17272
Ion Ratio Lower Upper
168 100
99 48.0 36.2 54.4



#3
Chloromethane
Concen: 2.208 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion: 50 Resp: 334
Ion Ratio Lower Upper
50 100
52 36.7 27.4 41.2

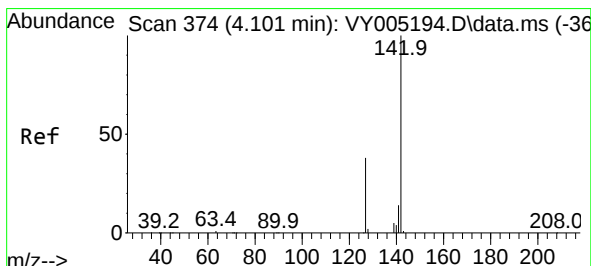
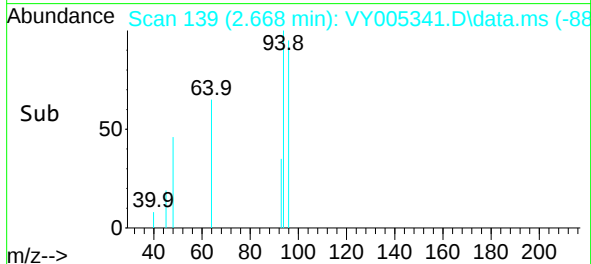
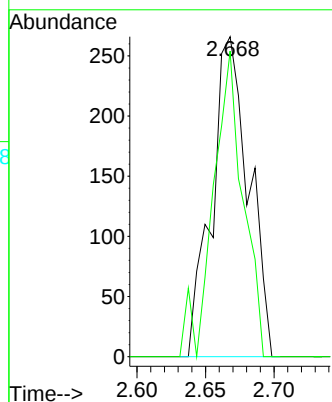
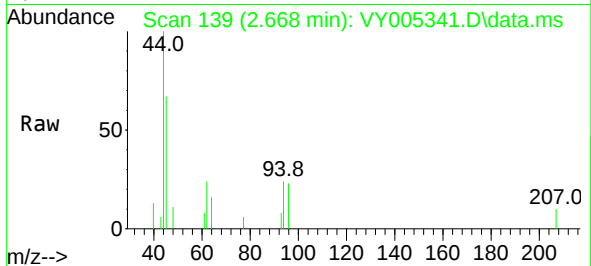




#5
Bromomethane
Concen: 4.549 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

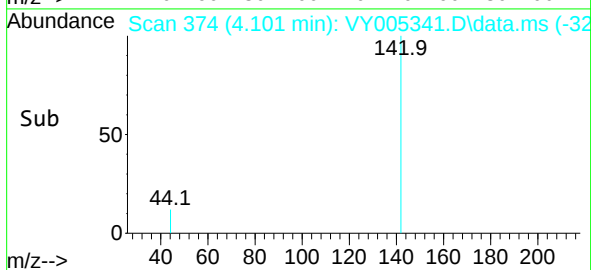
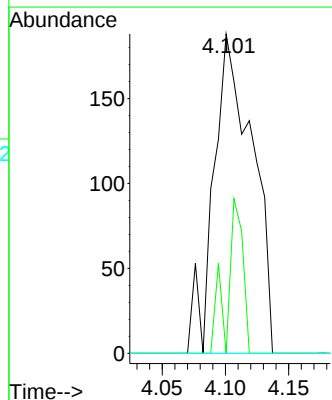
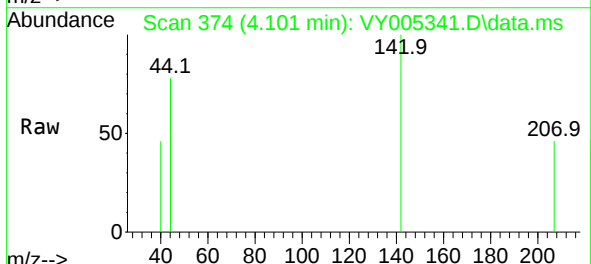
Instrument :
MSVOA_Y
ClientSampled :
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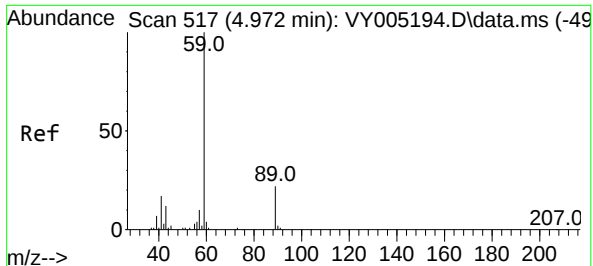
Tgt Ion: 94 Resp: 499
Ion Ratio Lower Upper
94 100
96 95.5 76.9 115.3



#10
Methyl Iodide
Concen: 1.987 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion: 142 Resp: 400
Ion Ratio Lower Upper
142 100
127 19.8 31.3 46.9#
141 0.0 11.3 16.9#

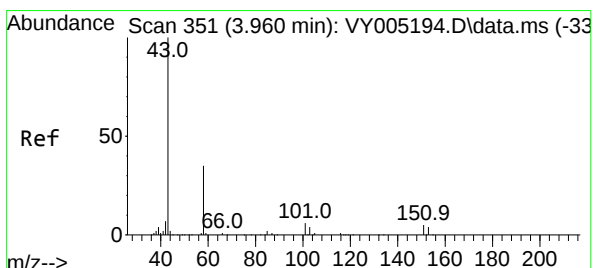
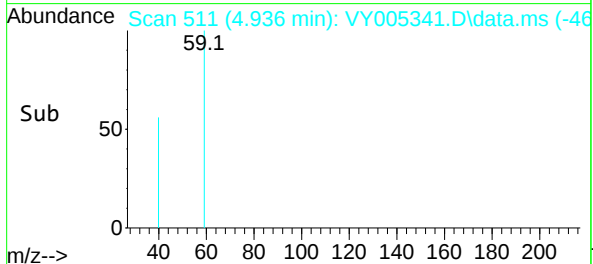
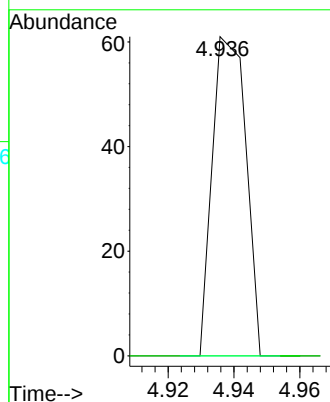
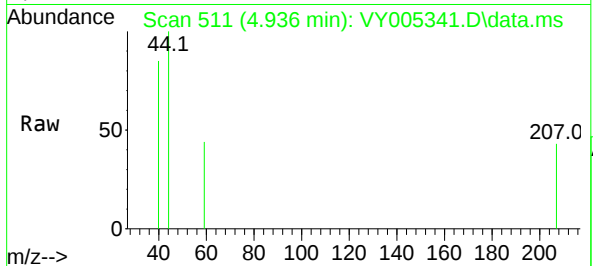




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

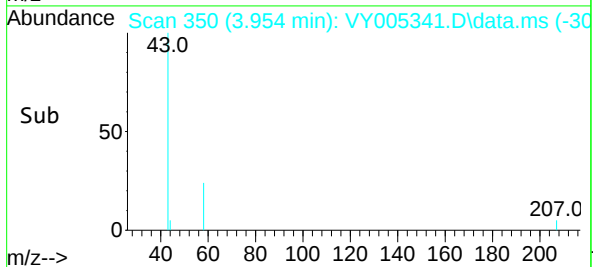
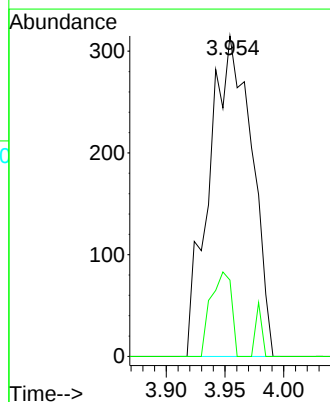
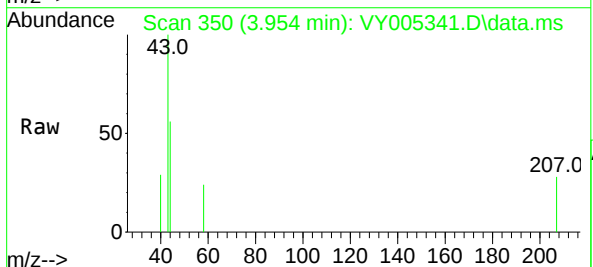
Instrument :
MSVOA_Y
ClientSampled :
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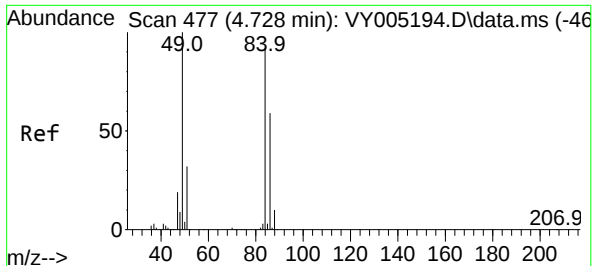
Tgt Ion: 59 Resp: 43
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#16
Acetone
Concen: 23.919 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

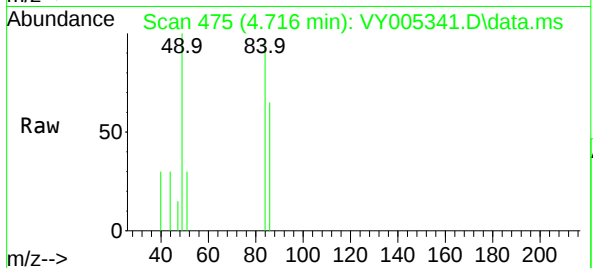
Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
58 23.8 28.2 42.2#



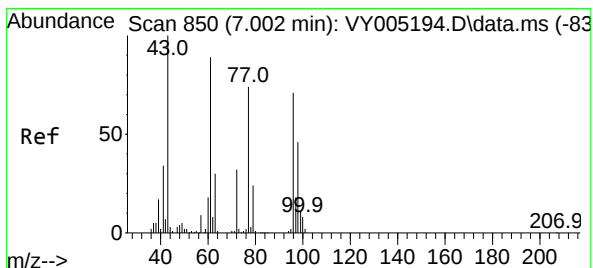
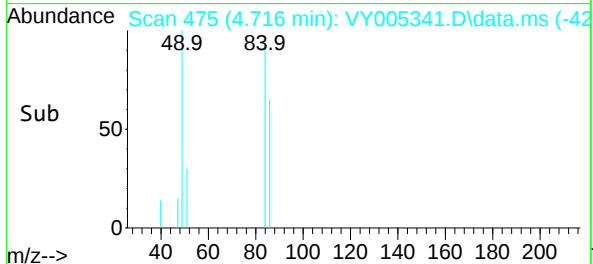
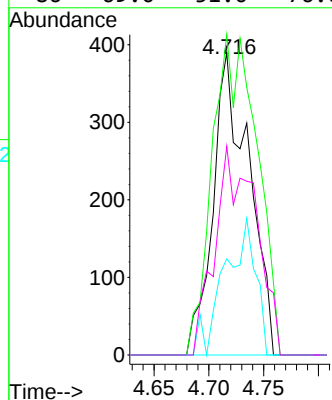


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Instrument :
MSVOA_Y
ClientSampleId :
1

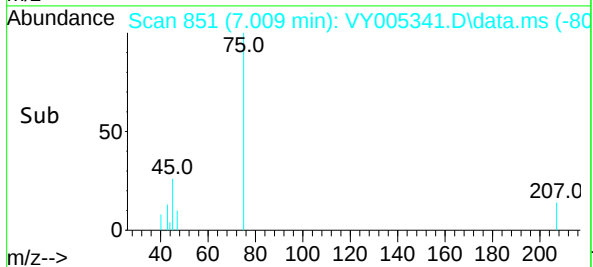
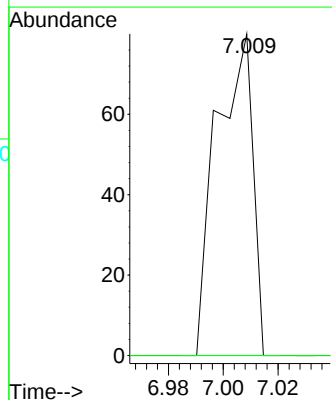
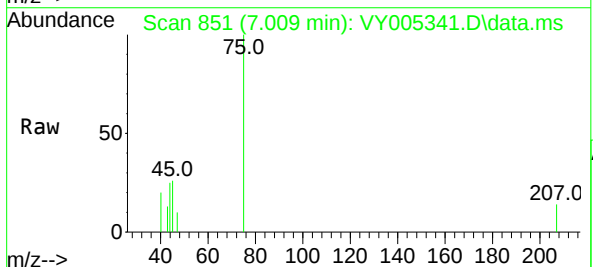


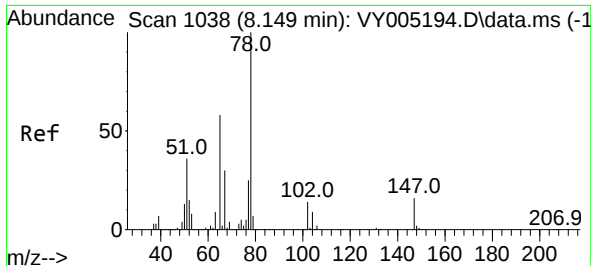
Tgt Ion:	84	Resp:	883
Ion	Ratio	Lower	Upper
84	100		
49	105.9	86.9	130.3
51	31.8	27.4	41.2
86	69.0	51.0	76.6



#25
2-Butanone
Concen: 1.512 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion:	43	Resp:	73
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.3	37.9#

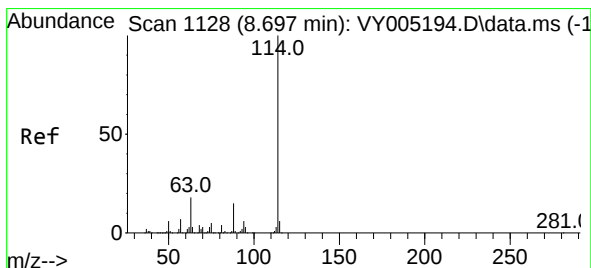
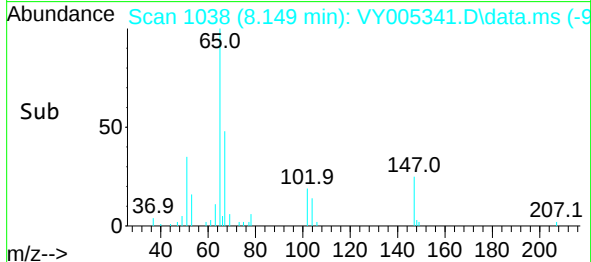
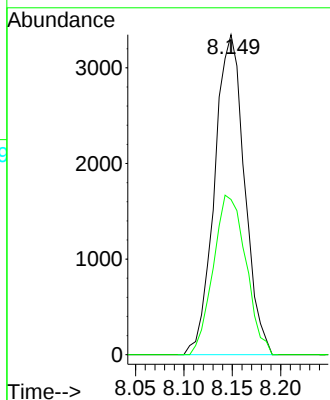
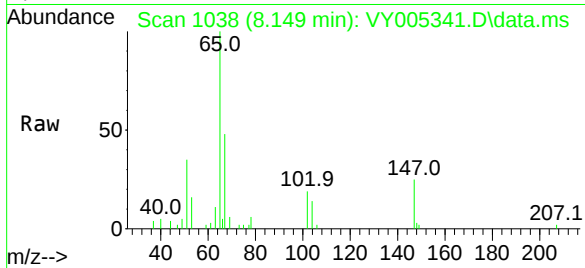




#33
1,2-Dichloroethane-d4
Concen: 50.198 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

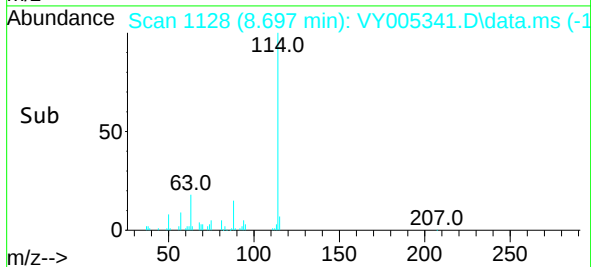
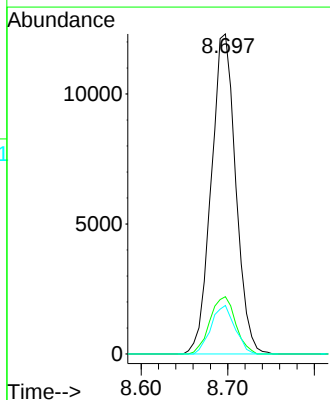
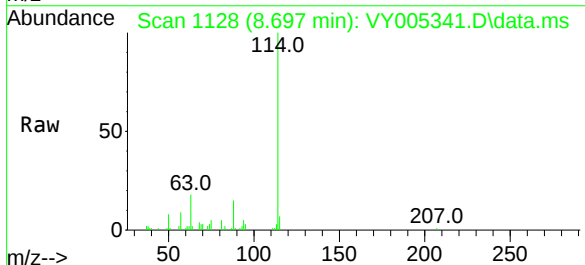
Instrument :
MSVOA_Y
ClientSampled :
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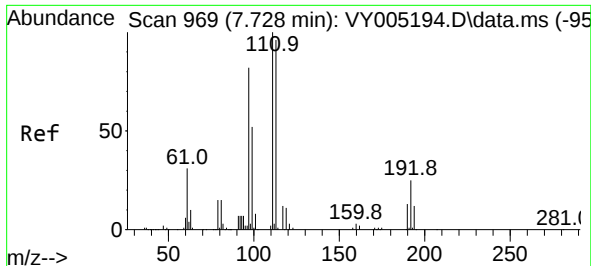
Tgt Ion: 65 Resp: 7195
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

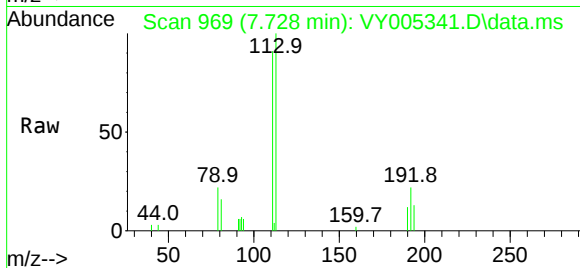
Tgt Ion: 114 Resp: 24155
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.2
88 15.1 0.0 29.4



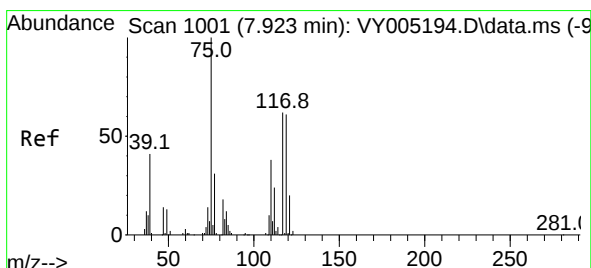
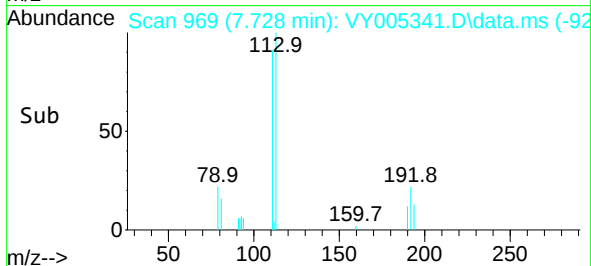
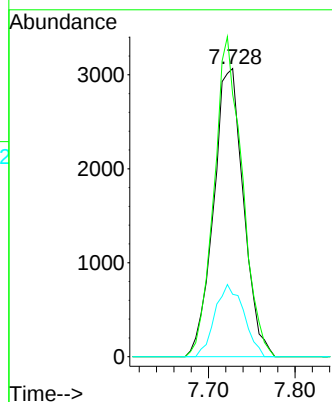


#35
Dibromofluoromethane
Concen: 51.595 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

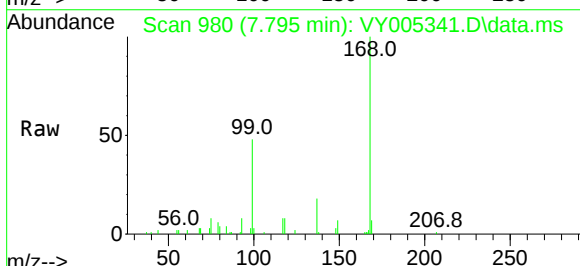
Instrument :
MSVOA_Y
ClientSampled :
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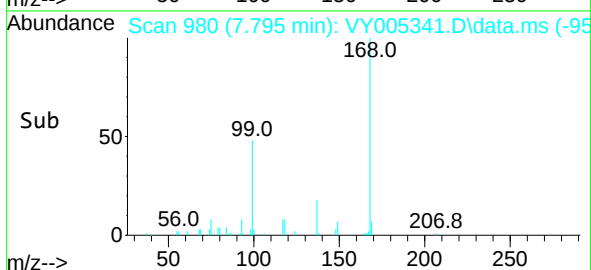
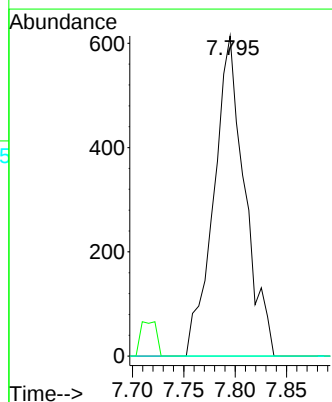
Tgt Ion:113 Resp: 7350
Ion Ratio Lower Upper
113 100
111 104.6 82.6 124.0
192 24.2 20.2 30.2

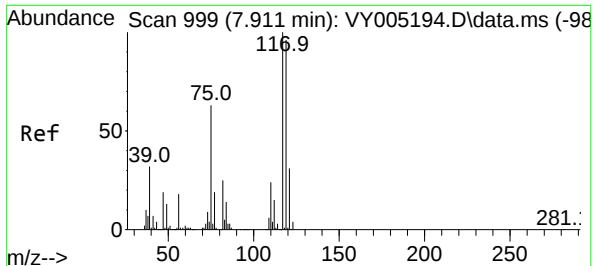


#36
1,1-Dichloropropene
Concen: 6.018 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45



Tgt Ion: 75 Resp: 1280
Ion Ratio Lower Upper
75 100
110 0.0 19.1 57.5#
77 0.0 25.2 37.8#

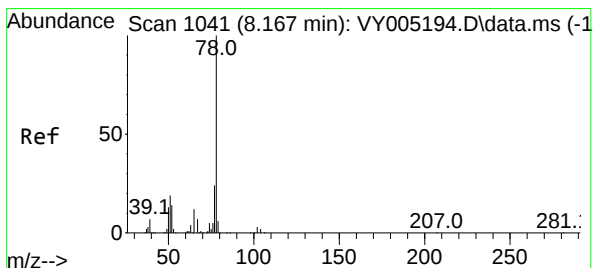
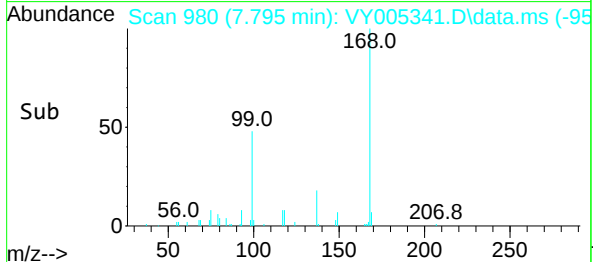
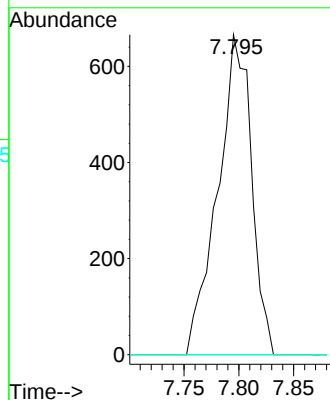
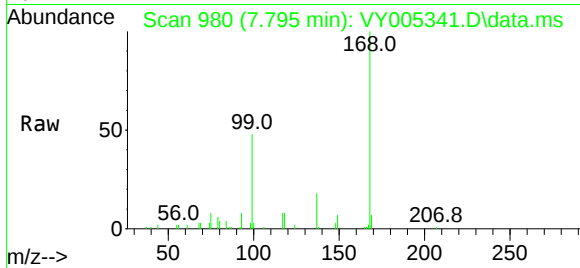




#38
Carbon Tetrachloride
Concen: 6.405 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

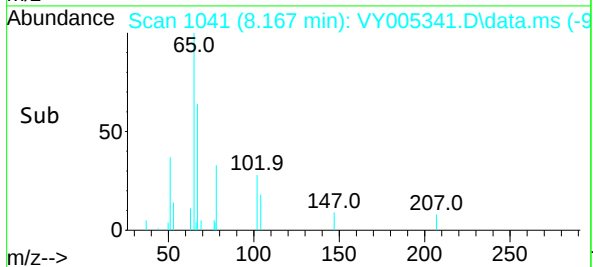
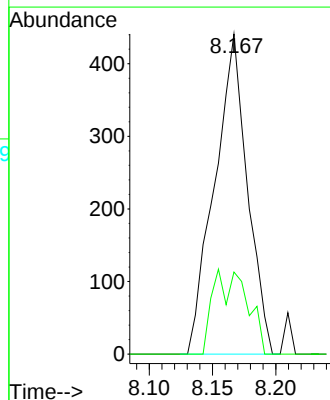
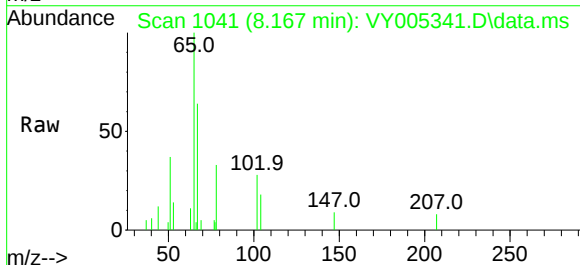
Instrument :
MSVOA_Y
ClientSampled :
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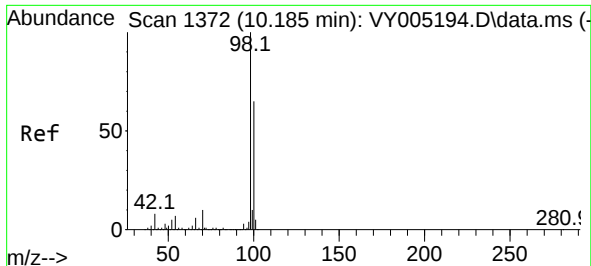
Tgt Ion:117 Resp: 1426
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 1.268 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion: 78 Resp: 795
Ion Ratio Lower Upper
78 100
77 25.6 19.1 28.7

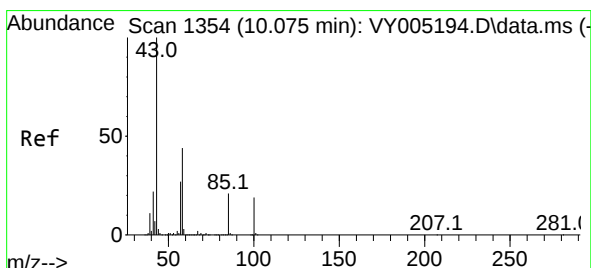
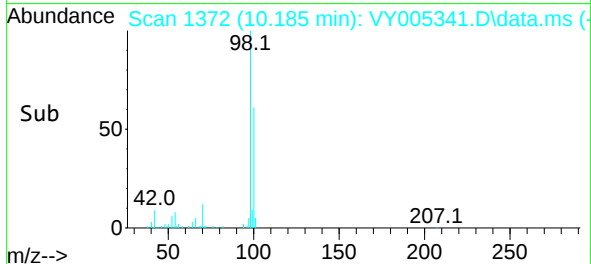
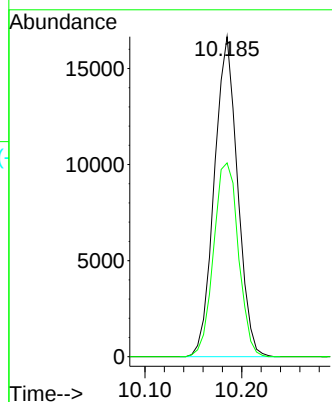
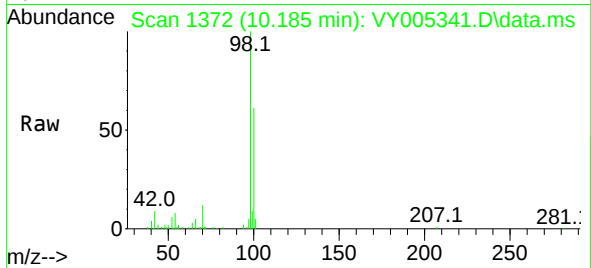




#50
Toluene-d8
Concen: 48.726 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

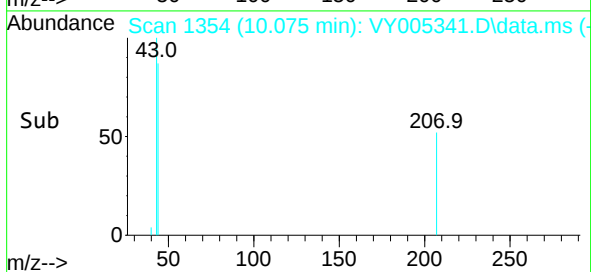
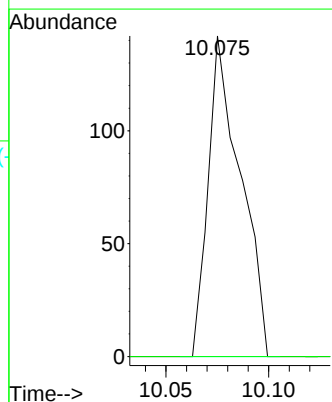
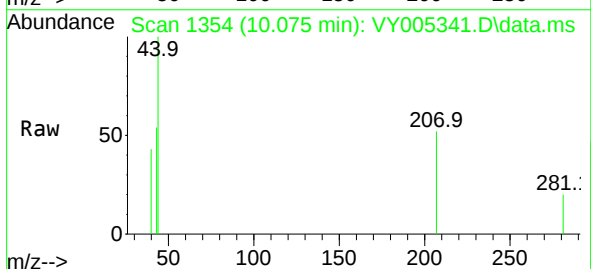
Instrument :
MSVOA_Y
ClientSampled :
1

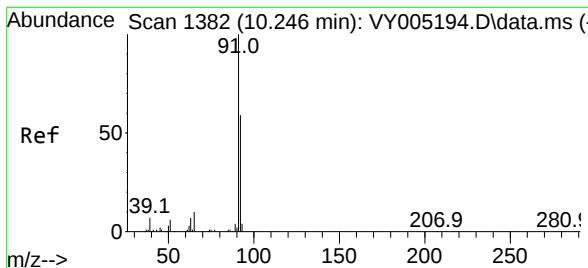
Tgt Ion: 98 Resp: 27759
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.469 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion: 43 Resp: 155
Ion Ratio Lower Upper
43 100
58 0.0 35.3 52.9#

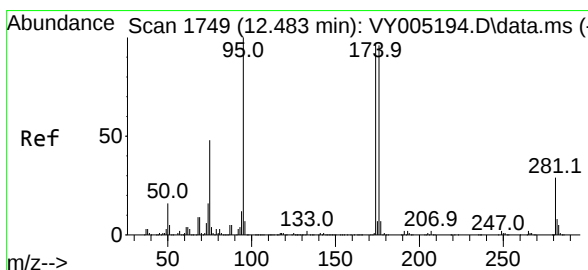
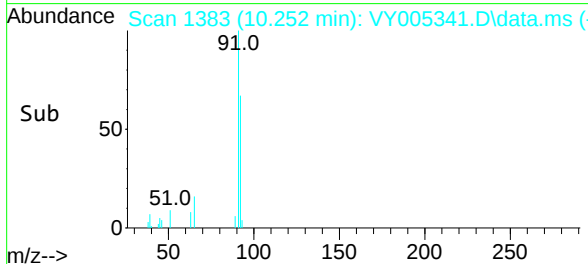
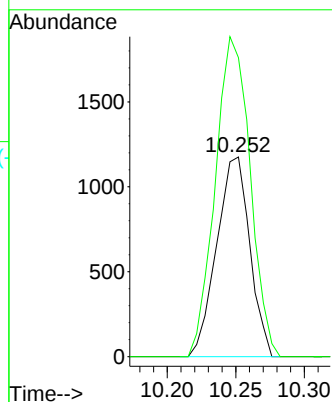
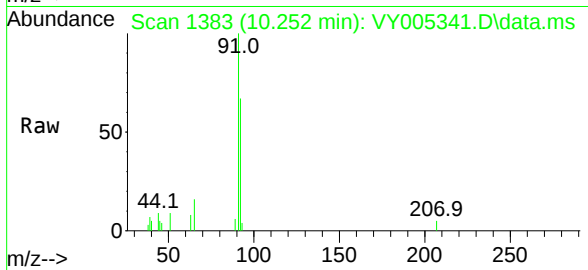




#52
Toluene
Concen: 4.919 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

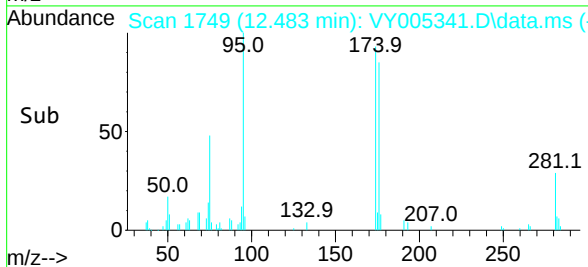
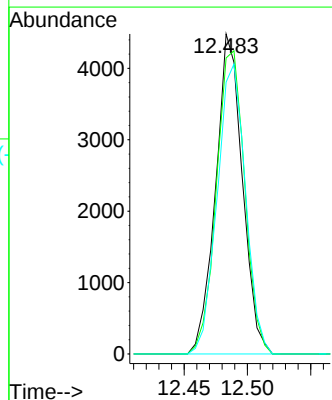
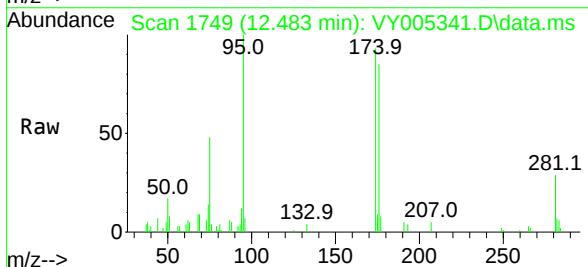
Instrument :
MSVOA_Y
ClientSampled :
1

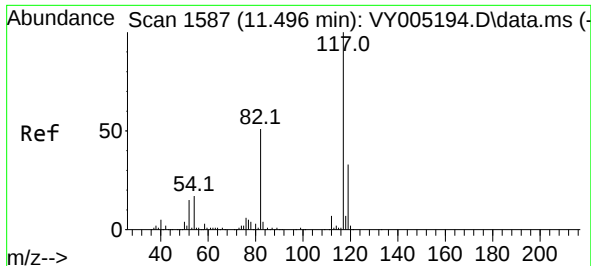
Tgt Ion: 92 Resp: 1972
Ion Ratio Lower Upper
92 100
91 169.1 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 34.688 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion: 95 Resp: 6585
Ion Ratio Lower Upper
95 100
174 100.0 0.0 201.6
176 95.8 0.0 197.4

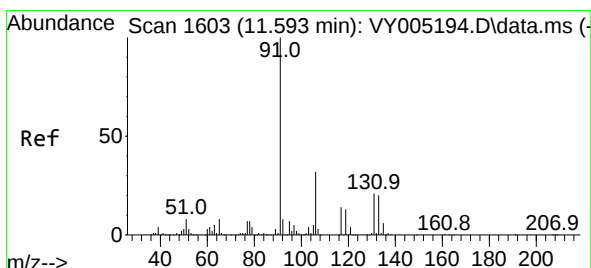
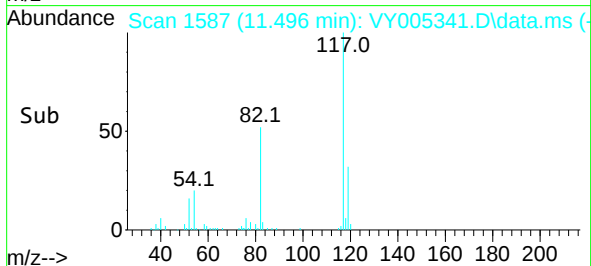
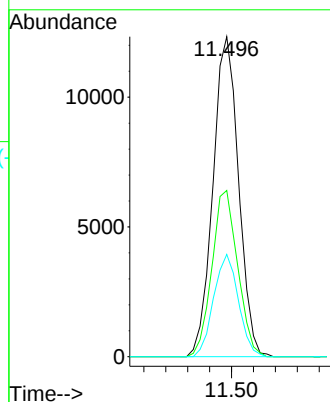
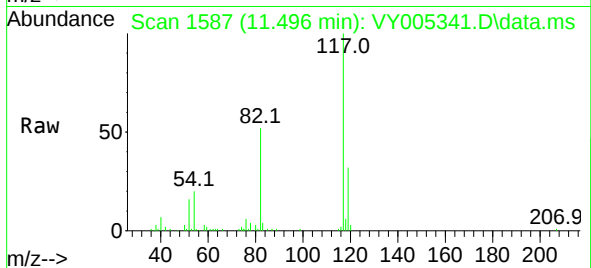




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

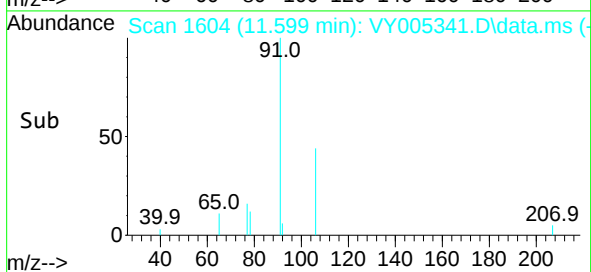
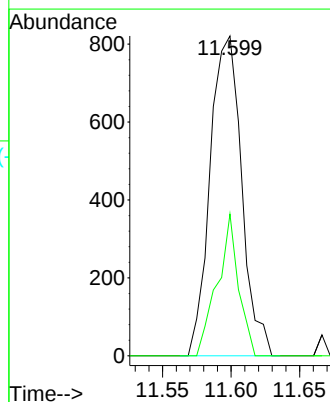
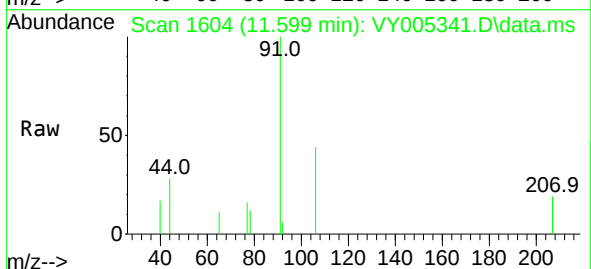
Instrument :
MSVOA_Y
ClientSampleId :
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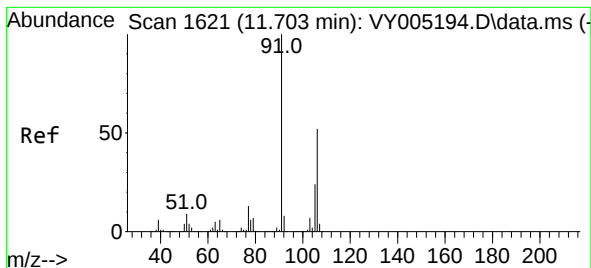
Tgt Ion:	117	Resp:	20005
Ion	Ratio	Lower	Upper
117	100		
82	52.0	40.6	60.8
119	32.0	26.1	39.1



#67
Ethyl Benzene
Concen: 1.923 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion:	91	Resp:	1315
Ion	Ratio	Lower	Upper
91	100		
106	44.3	25.8	38.6#

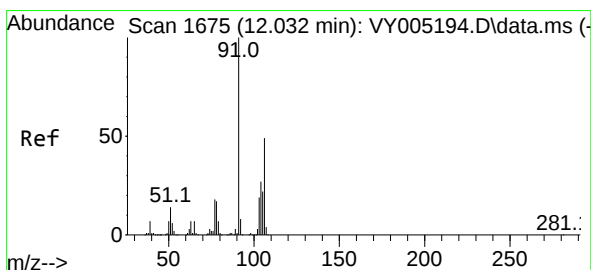
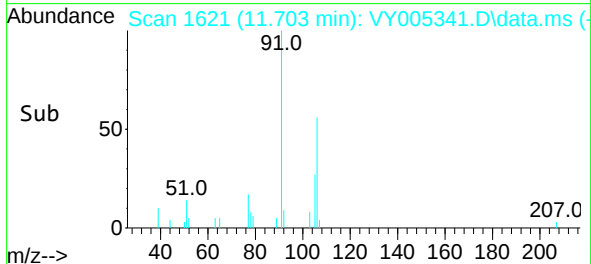
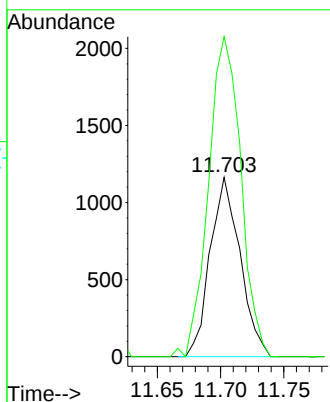
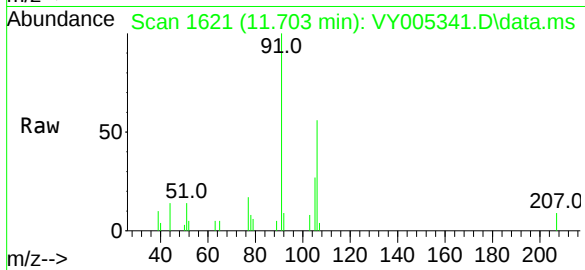




#68
m/p-Xylenes
Concen: 7.002 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

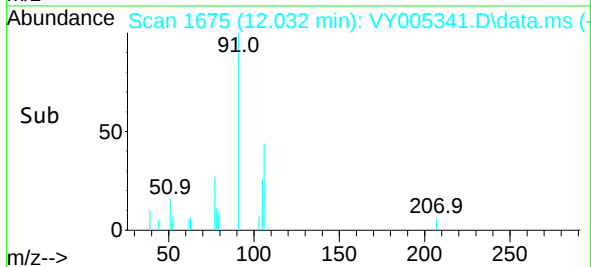
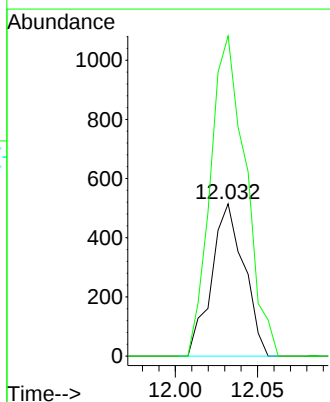
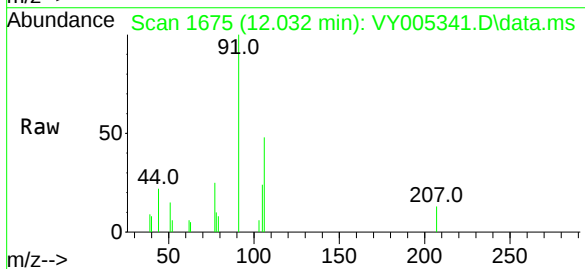
Instrument :
MSVOA_Y
ClientSampleId :
1

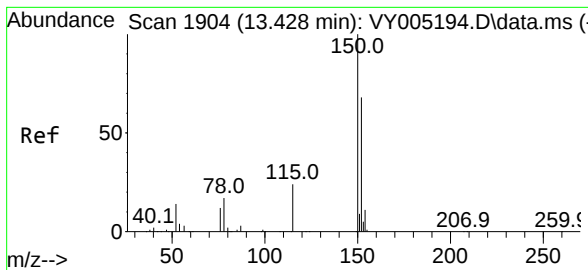
Tgt Ion:106 Resp: 1918
Ion Ratio Lower Upper
106 100
91 192.4 154.8 232.2



#69
o-Xylene
Concen: 2.733 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion:106 Resp: 709
Ion Ratio Lower Upper
106 100
91 227.2 101.6 304.8

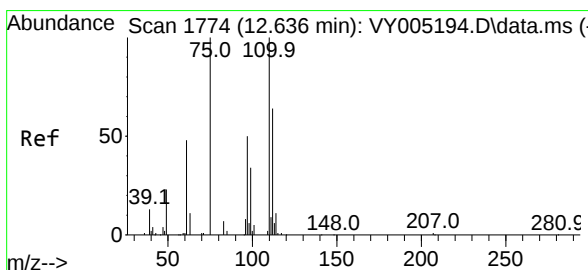
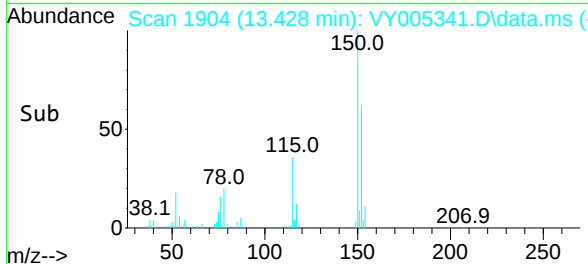
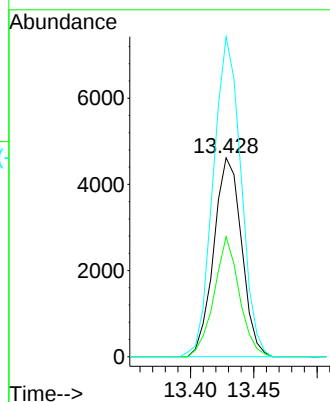
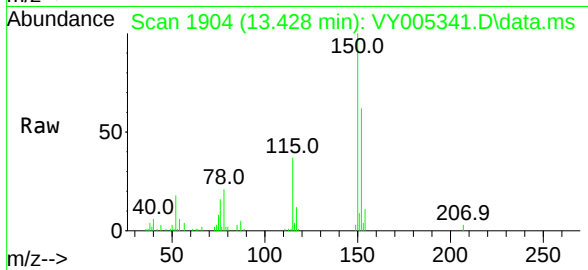




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY005341.D
 Acq: 02 Jul 2021 14:45

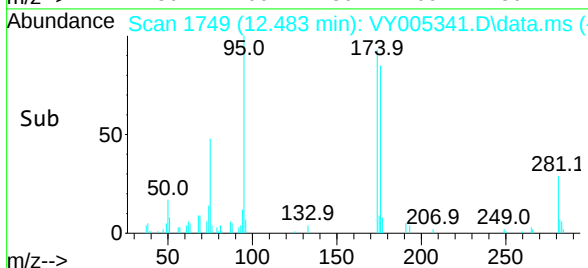
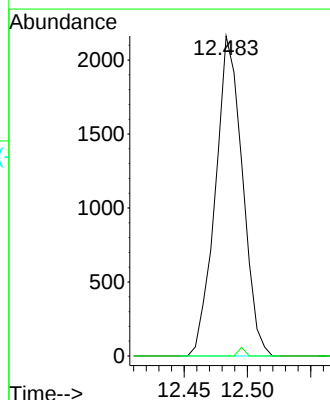
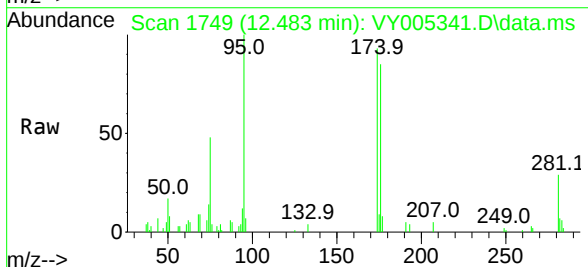
Instrument :
 MSVOA_Y
 ClientSampled :
 1

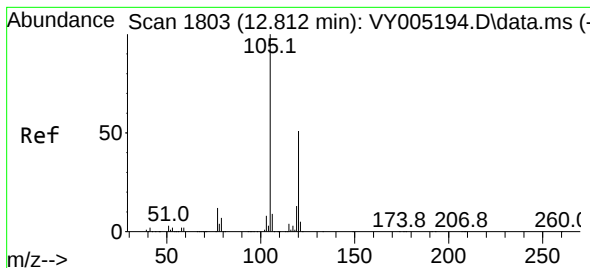
Tgt Ion:152 Resp: 7055
 Ion Ratio Lower Upper
 152 100
 115 54.6 26.3 78.8
 150 160.3 0.0 344.2



#76
 1,2,3-Trichloropropane
 Concen: 51.350 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005341.D
 Acq: 02 Jul 2021 14:45

Tgt Ion: 75 Resp: 3213
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.294 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY005341.D

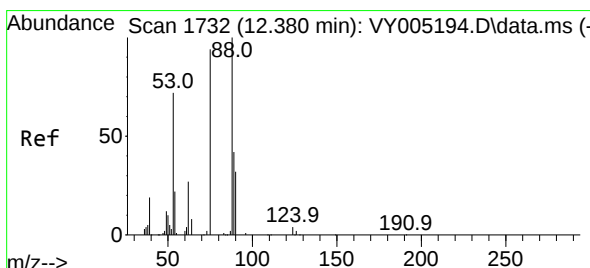
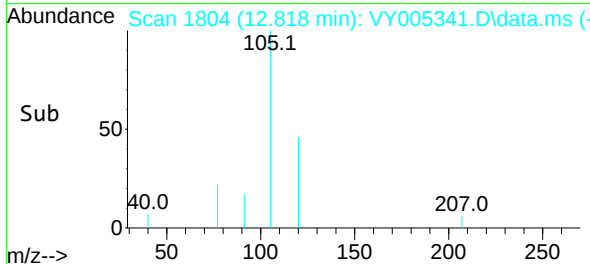
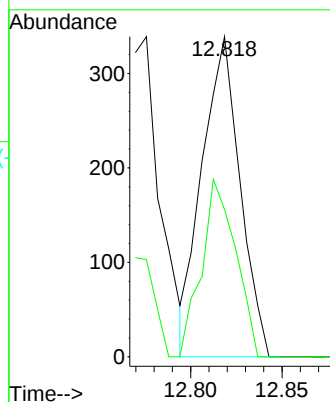
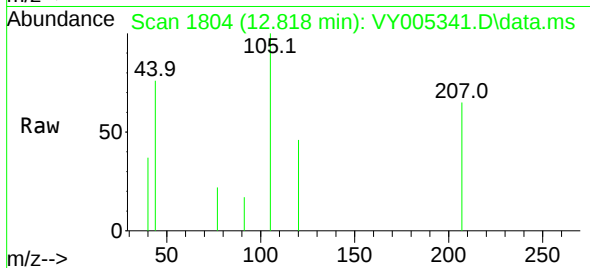
Acq: 02 Jul 2021 14:45

Tgt Ion:105 Resp: 490

Ion Ratio Lower Upper

105 100

120 49.8 25.9 77.7



#81

trans-1,4-Dichloro-2-butene

Concen: 95.808 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY005341.D

Acq: 02 Jul 2021 14:45

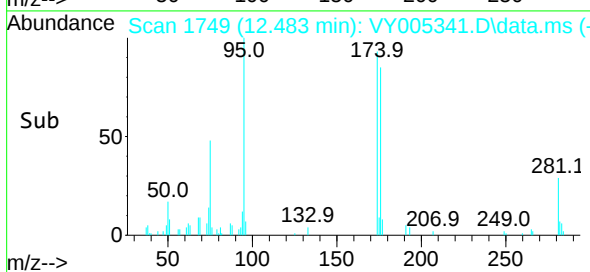
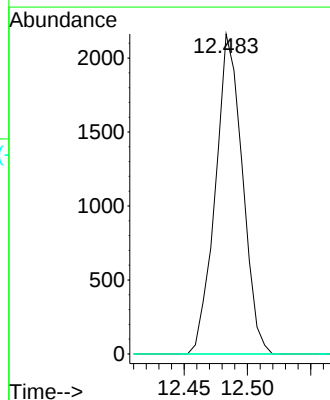
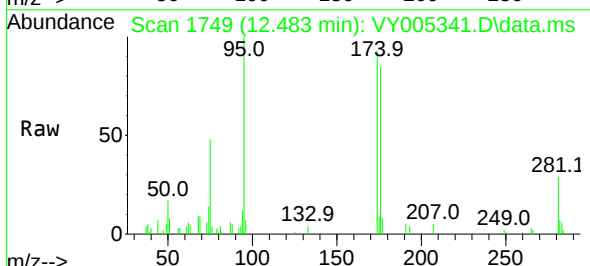
Tgt Ion: 75 Resp: 3213

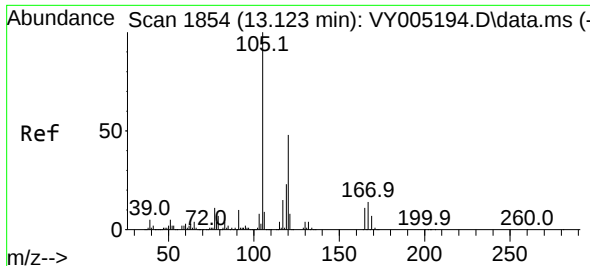
Ion Ratio Lower Upper

75 100

53 0.0 63.0 94.4#

89 0.0 38.0 57.0#

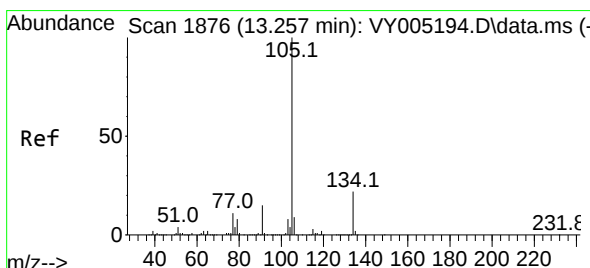
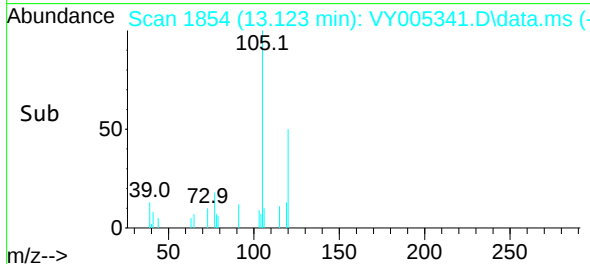
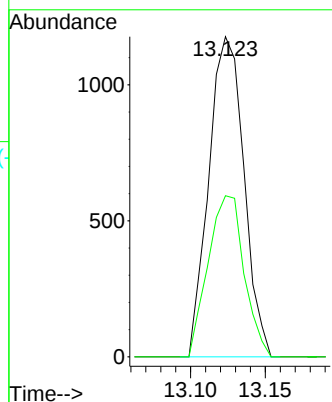
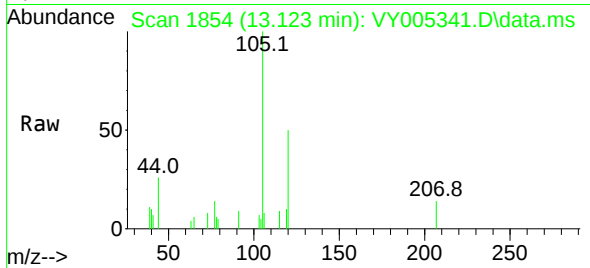




#84
1,2,4-Trimethylbenzene
Concen: 5.128 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

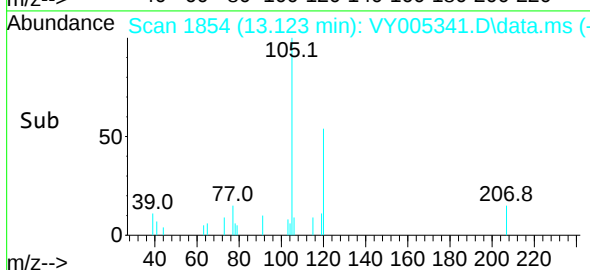
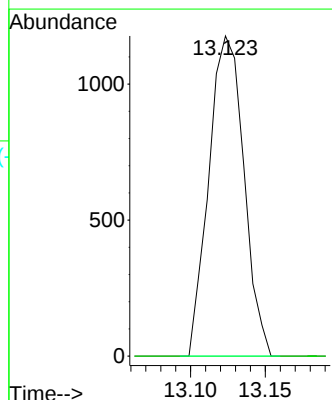
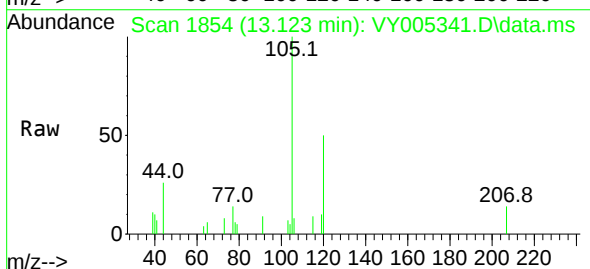
Instrument :
MSVOA_Y
ClientSampled :
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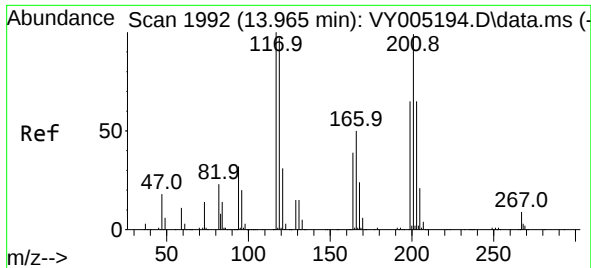
Tgt Ion:105 Resp: 1919
Ion Ratio Lower Upper
105 100
120 51.5 23.6 71.0



#85
sec-Butylbenzene
Concen: 3.909 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.134 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion:105 Resp: 1919
Ion Ratio Lower Upper
105 100
134 0.0 10.9 32.6#

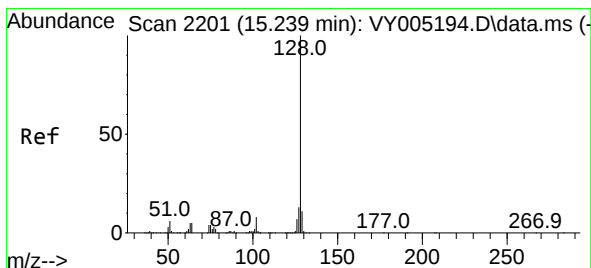
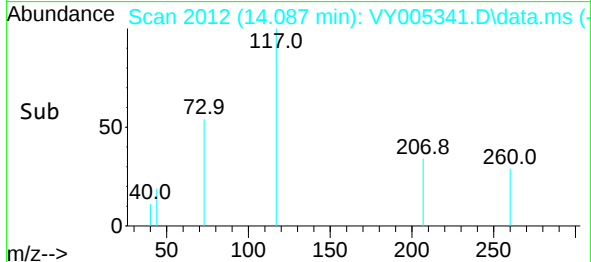
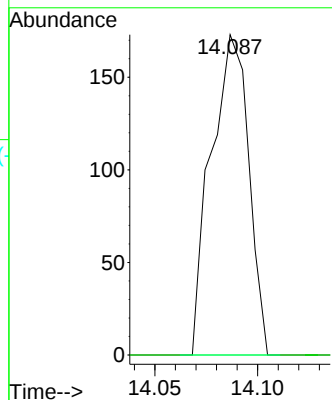
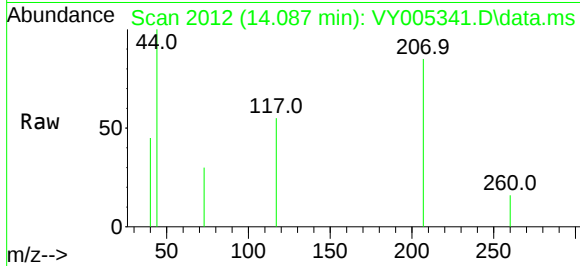




#90
Hexachloroethane
Concen: 2.888 ug/l
RT: 14.087 min Scan# 2012
Delta R.T. 0.122 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Instrument :
MSVOA_Y
ClientSampled :
1

Tgt Ion:117 Resp: 221
Ion Ratio Lower Upper
117 100
201 0.0 49.4 148.2#



#95
Naphthalene
Concen: 1.698 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005341.D
Acq: 02 Jul 2021 14:45

Tgt Ion:128 Resp: 454
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

