

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063021\
 Data File : VY005299.D
 Acq On : 30 Jun 2021 15:42
 Operator : SY/MD
 Sample : M2886-03
 Misc : 6.12G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 26878RE

Quant Time: Jul 01 06:38:33 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)

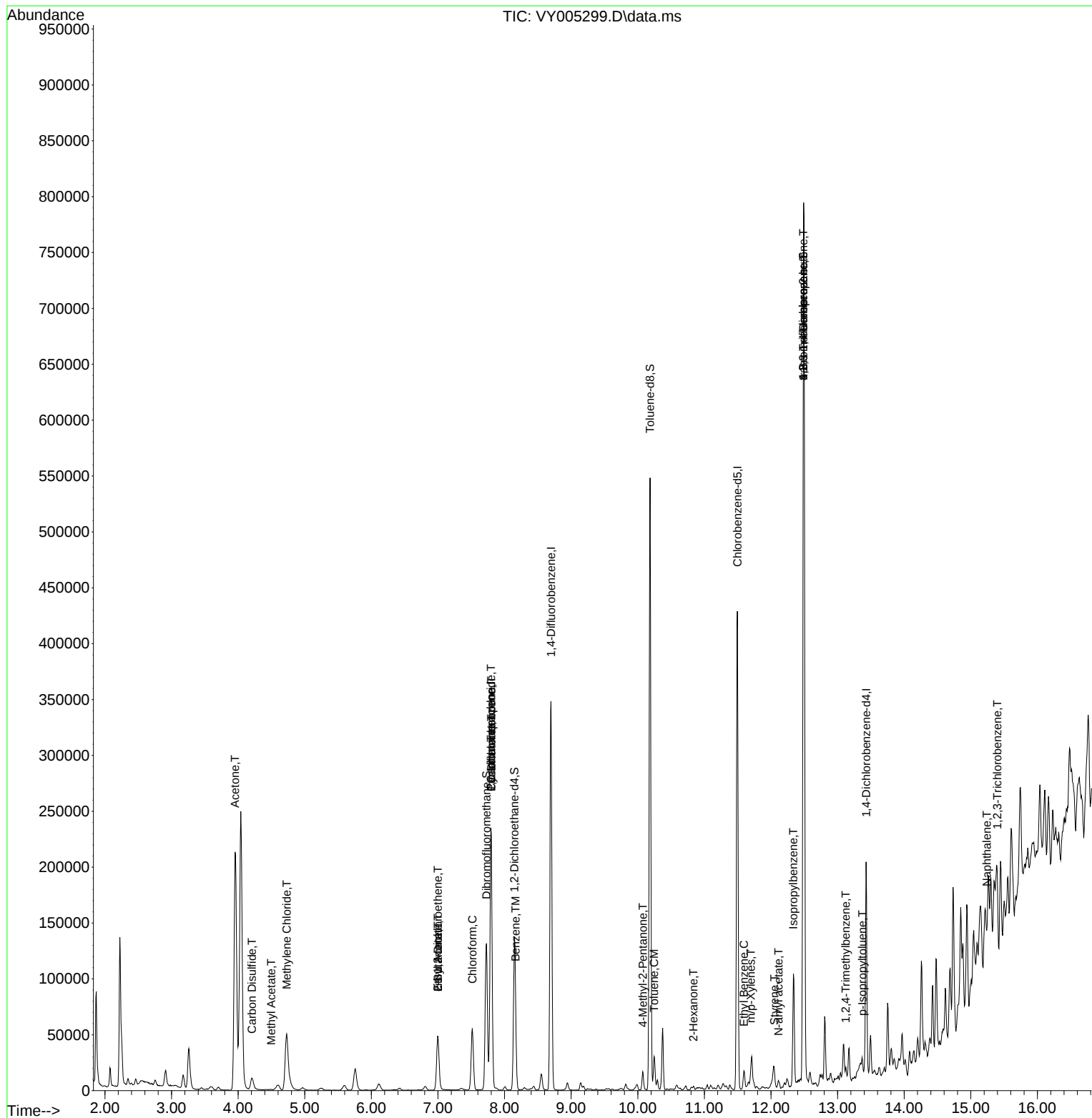
Internal Standards						
1) Pentafluorobenzene	7.801	168	197887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	307148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	242707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	50303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	100194	61.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.020%	
35) Dibromofluoromethane	7.728	113	93300	51.507	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.020%	
50) Toluene-d8	10.185	98	356724	49.244	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.480%	
62) 4-Bromofluorobenzene	12.483	95	82188	34.048	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 68.100%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	4385	Below Cal	#	92
16) Acetone	3.954	43	375371	989.472	ug/l	96
17) Carbon Disulfide	4.204	76	15090	2.928	ug/l	98
18) Methyl Acetate	4.497	43	1152	1.143	ug/l	# 78
20) Methylene Chloride	4.729	84	38709	12.751	ug/l	95
25) 2-Butanone	6.996	43	66791	120.742	ug/l	90
27) cis-1,2-Dichloroethene	6.996	96	5436	2.649	ug/l	92
30) Chloroform	7.515	83	53256	17.236	ug/l	98
31) Cyclohexane	7.801	56	4529	1.545	ug/l	# 36
36) 1,1-Dichloropropene	7.801	75	12919	4.777	ug/l	# 48
37) Ethyl Acetate	6.996	43	66791	47.888	ug/l	# 79
38) Carbon Tetrachloride	7.795	117	17006	6.007	ug/l	# 16
40) Benzene	8.167	78	16702	2.094	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	9589	7.146	ug/l	94
52) Toluene	10.246	92	11765	2.308	ug/l	99
59) 2-Hexanone	10.837	43	2150	2.330	ug/l	86
67) Ethyl Benzene	11.593	91	9023	1.088	ug/l	99
68) m/p-Xylenes	11.697	106	4808	1.447	ug/l	96
70) Styrene	12.050	104	7503	1.418	ug/l	98
73) Isopropylbenzene	12.337	105	5924	1.816	ug/l	# 71
74) N-amyl acetate	12.111	43	3608	4.673	ug/l	# 49
76) 1,2,3-Trichloropropane	12.483	75	43628	97.792	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	43628	182.457	ug/l	# 19
84) 1,2,4-Trimethylbenzene	13.123	105	5929	2.222	ug/l	95
86) p-Isopropyltoluene	13.373	119	8258	2.734	ug/l	# 87
95) Naphthalene	15.239	128	24441	12.822	ug/l	# 93
96) 1,2,3-Trichlorobenzene	15.397	180	6565	7.218	ug/l	# 30

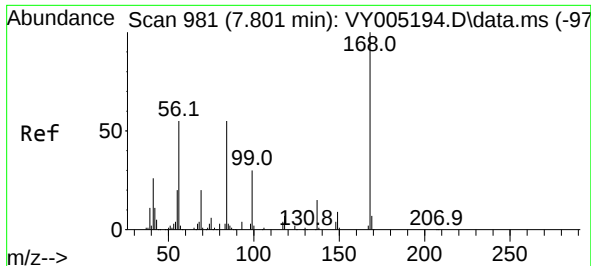
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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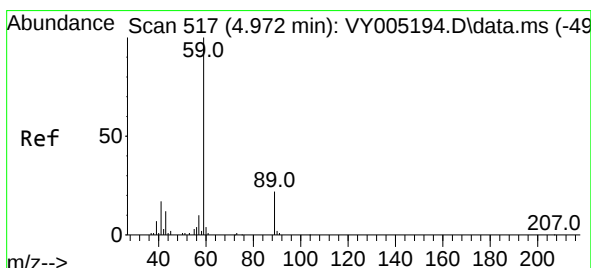
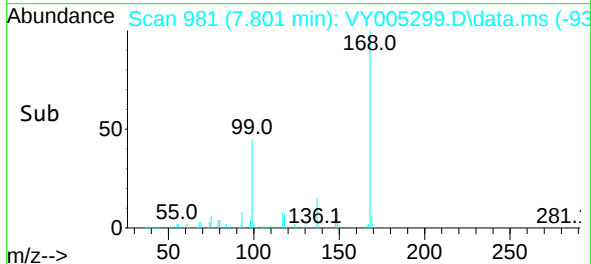
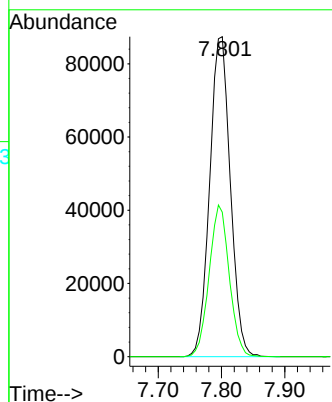
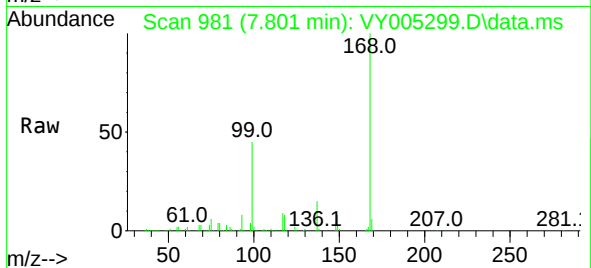




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

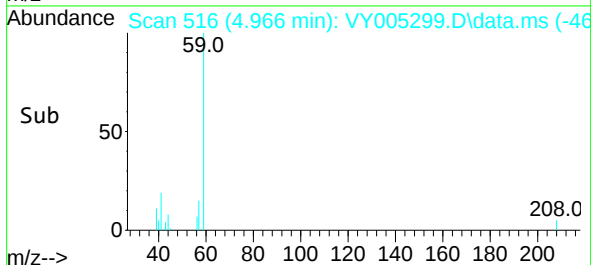
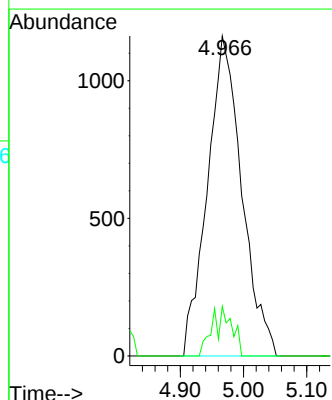
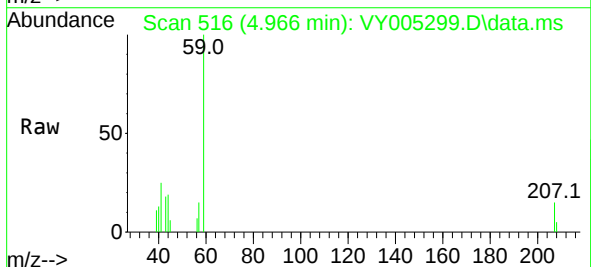
Instrument :
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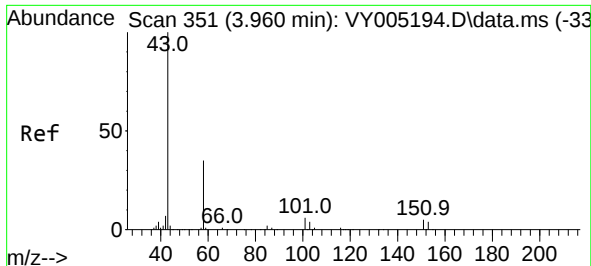
Tgt Ion:168 Resp: 197887
Ion Ratio Lower Upper
168 100
99 45.2 36.2 54.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 59 Resp: 4385
Ion Ratio Lower Upper
59 100
57 5.1 6.5 9.7#

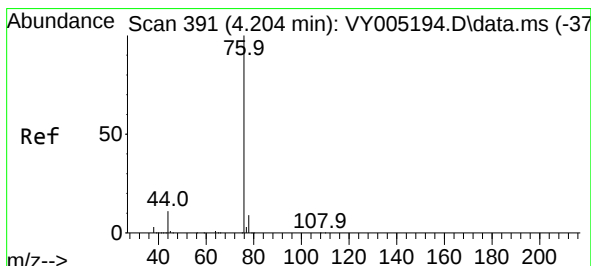
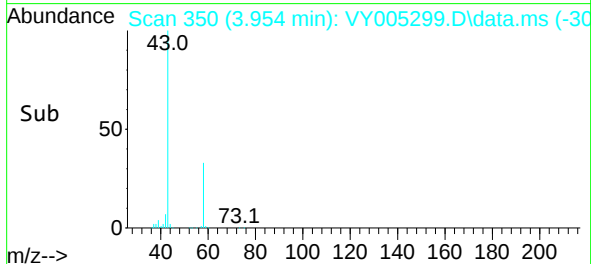
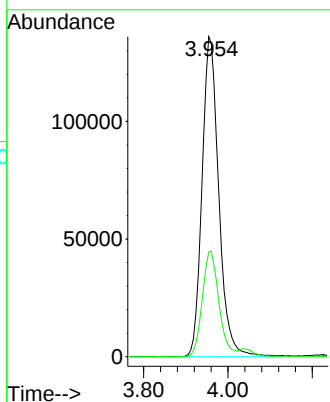
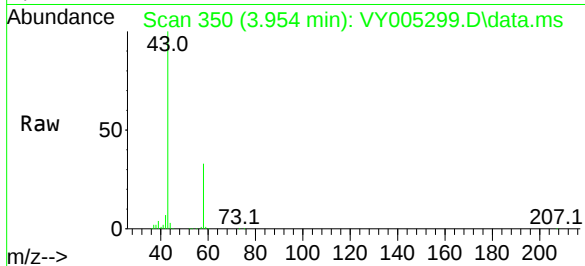




#16
Acetone
Concen: 989.472 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

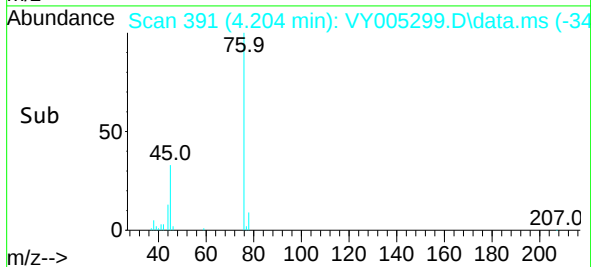
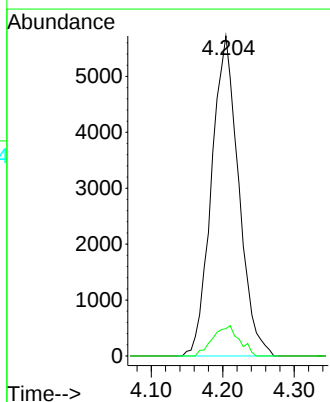
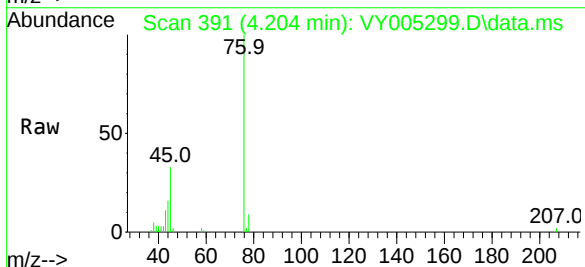
Instrument :
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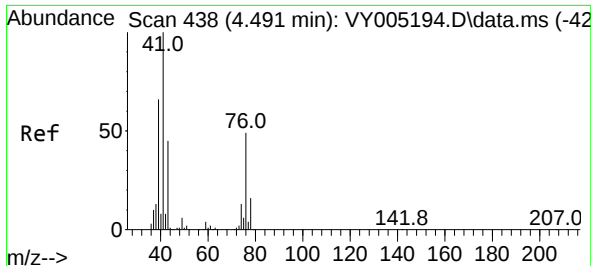
Tgt Ion: 43 Resp: 375371
Ion Ratio Lower Upper
43 100
58 32.7 28.2 42.2



#17
Carbon Disulfide
Concen: 2.928 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 76 Resp: 15090
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9

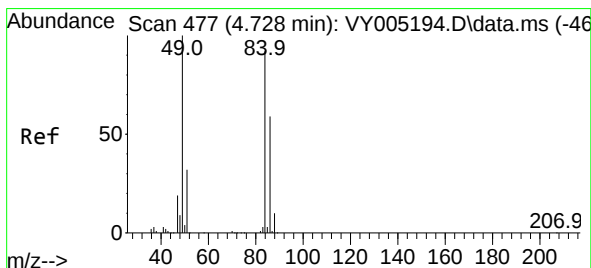
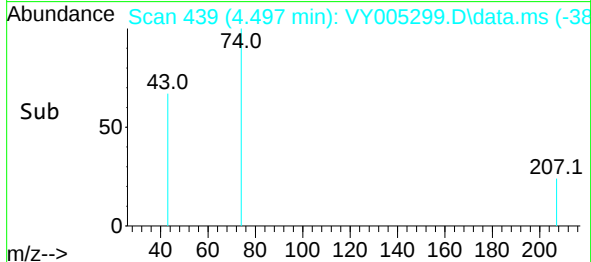
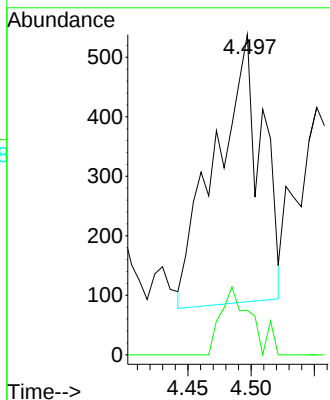
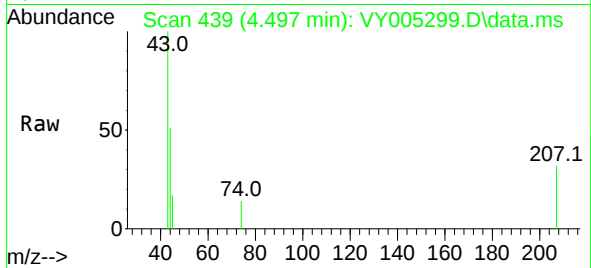




#18
Methyl Acetate
Concen: 1.143 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

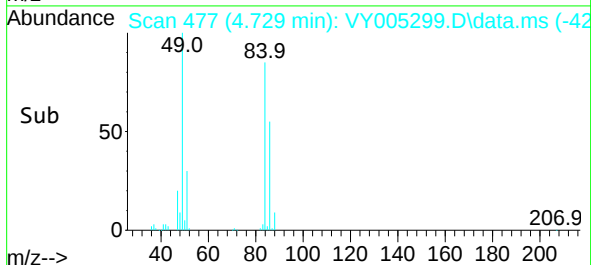
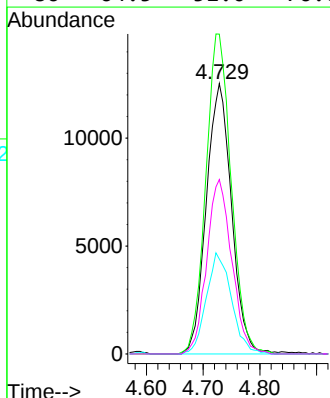
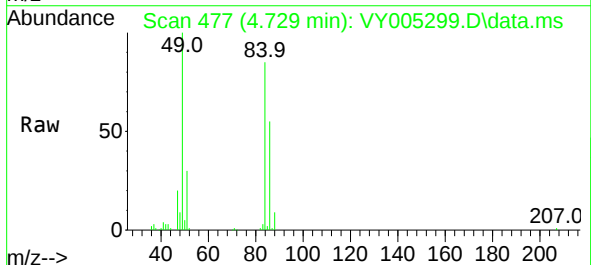
Instrument :
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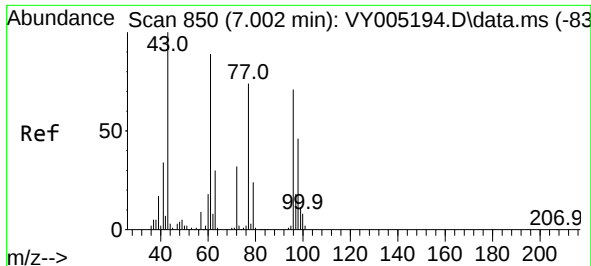
Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
74 16.6 22.5 33.7#



#20
Methylene Chloride
Concen: 12.751 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 84 Resp: 38709
Ion Ratio Lower Upper
84 100
49 118.3 86.9 130.3
51 35.1 27.4 41.2
86 64.5 51.0 76.6

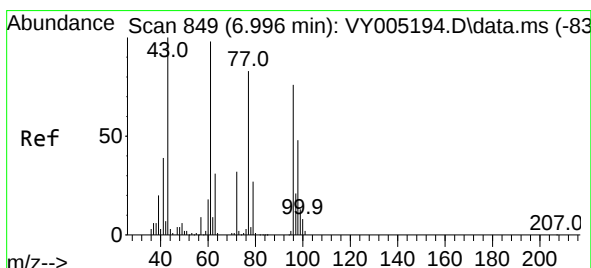
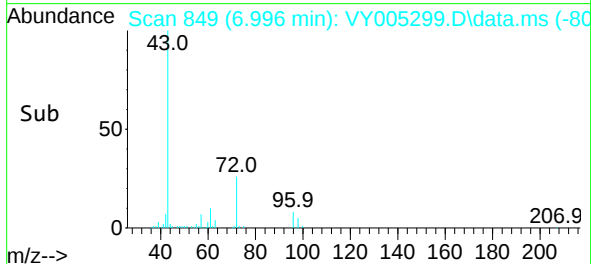
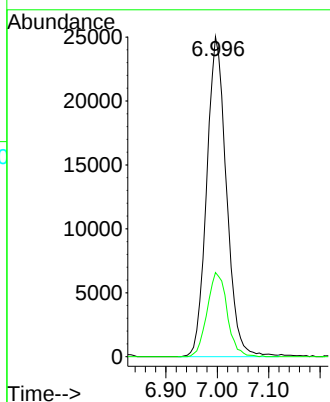
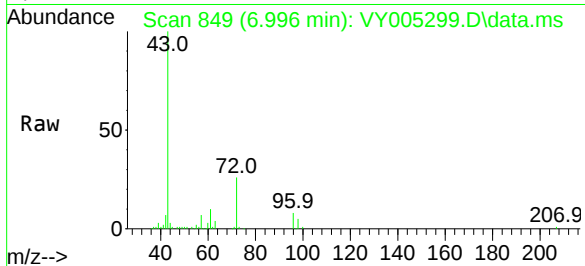




#25
2-Butanone
Concen: 120.742 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

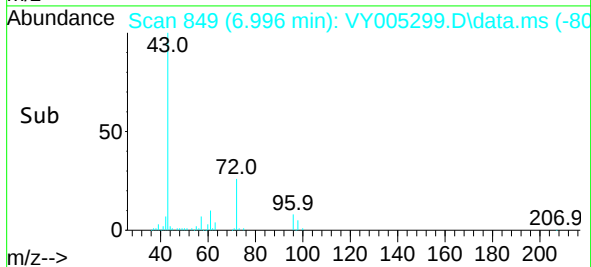
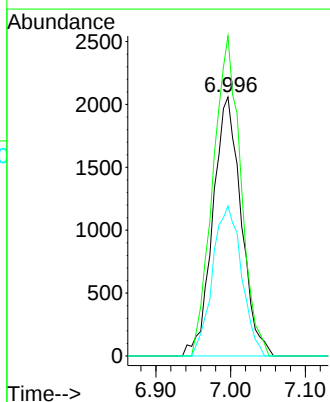
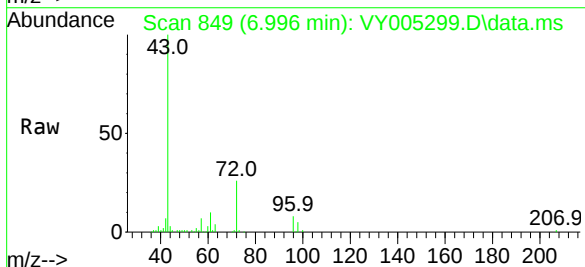
Instrument :
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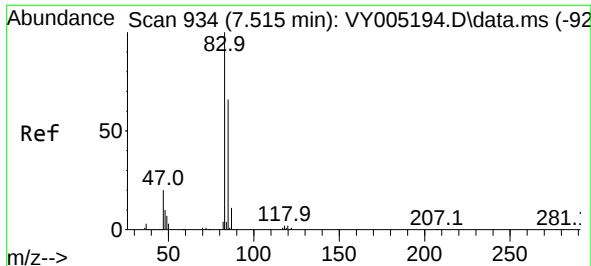
Tgt Ion: 43 Resp: 66791
Ion Ratio Lower Upper
43 100
72 26.3 25.3 37.9



#27
cis-1,2-Dichloroethene
Concen: 2.649 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 96 Resp: 5436
Ion Ratio Lower Upper
96 100
61 121.1 0.0 261.6
98 59.2 0.0 129.4

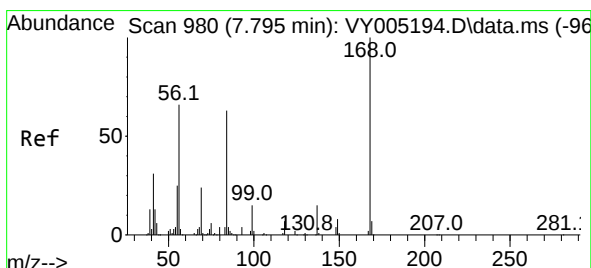
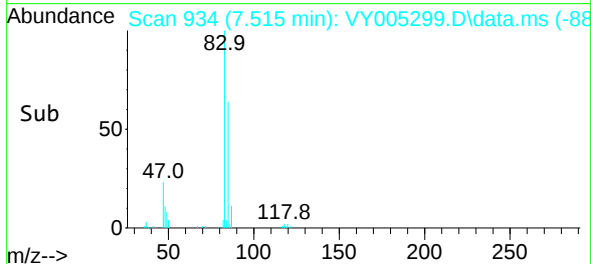
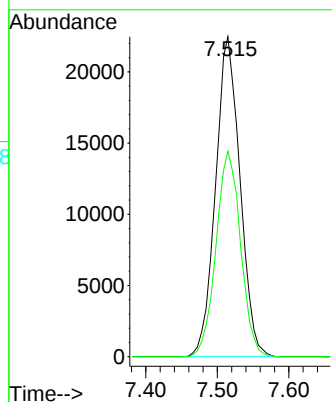
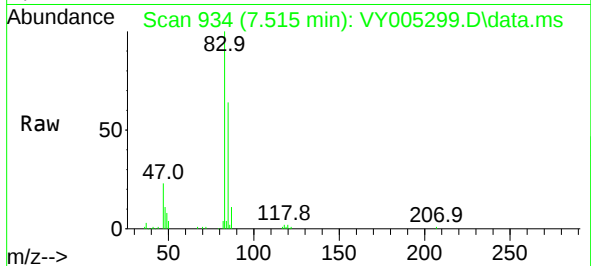




#30
Chloroform
Concen: 17.236 ug/l
RT: 7.515 min Scan# 934
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

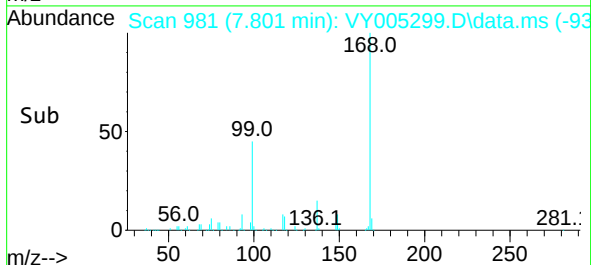
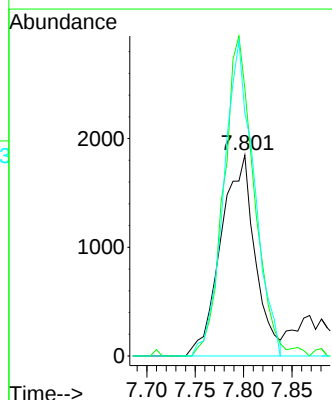
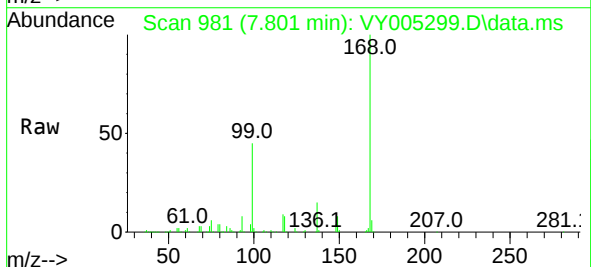
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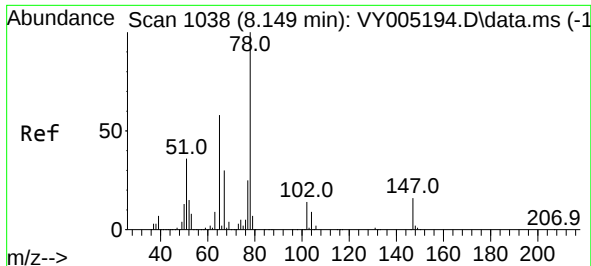
Tgt Ion: 83 Resp: 53256
Ion Ratio Lower Upper
83 100
85 64.2 52.7 79.1



#31
Cyclohexane
Concen: 1.545 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 56 Resp: 4529
Ion Ratio Lower Upper
56 100
69 133.2 29.6 44.4#
84 120.9 76.4 114.6#

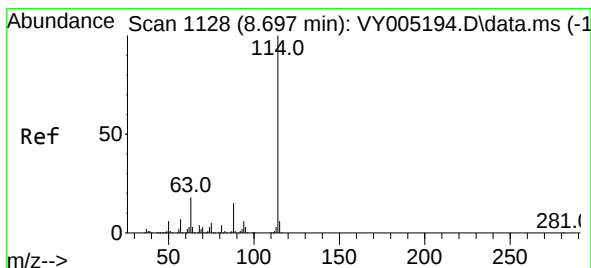
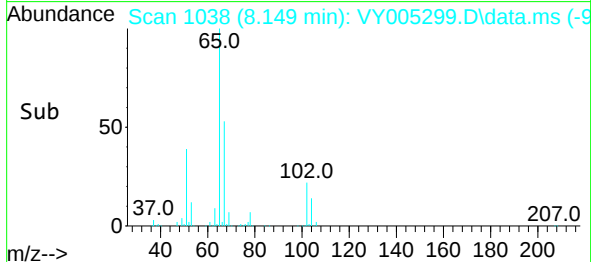
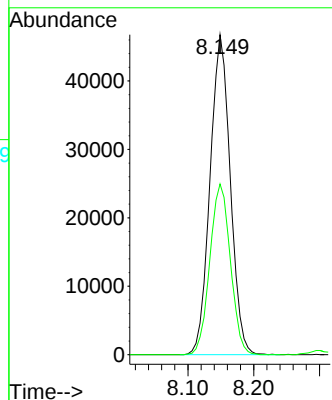
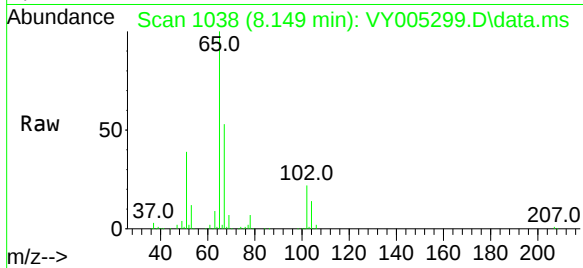




#33
 1,2-Dichloroethane-d4
 Concen: 61.013 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY005299.D
 Acq: 30 Jun 2021 15:42

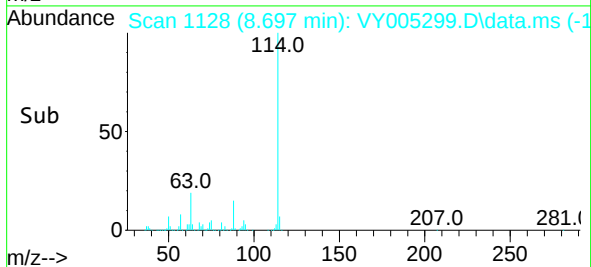
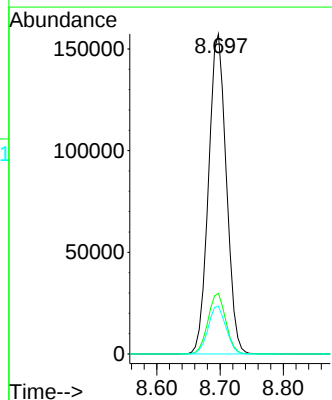
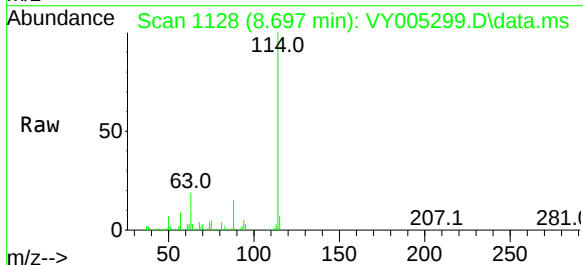
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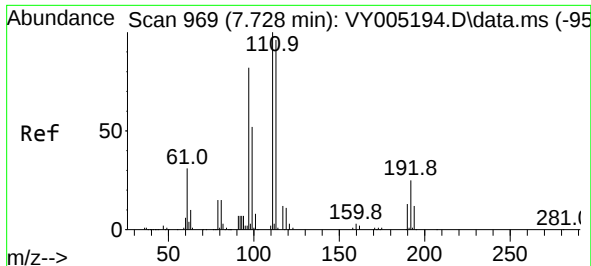
Tgt Ion: 65 Resp: 100194
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY005299.D
 Acq: 30 Jun 2021 15:42

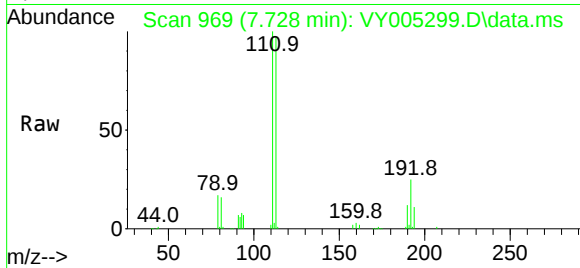
Tgt Ion: 114 Resp: 307148
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 35.2
 88 14.9 0.0 29.4



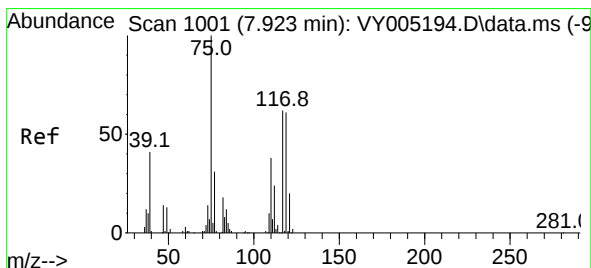
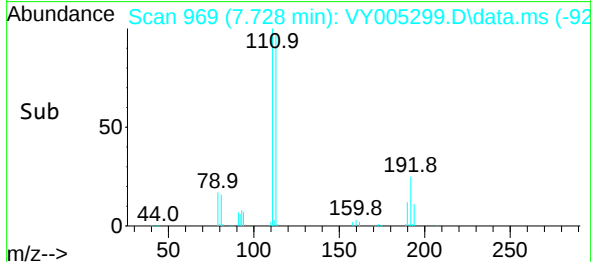
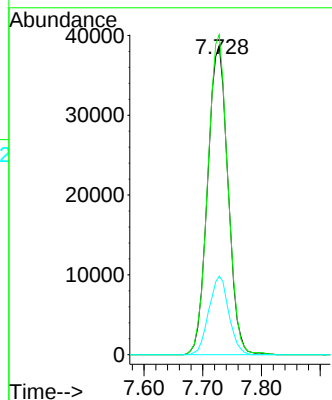


#35
Dibromofluoromethane
Concen: 51.507 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

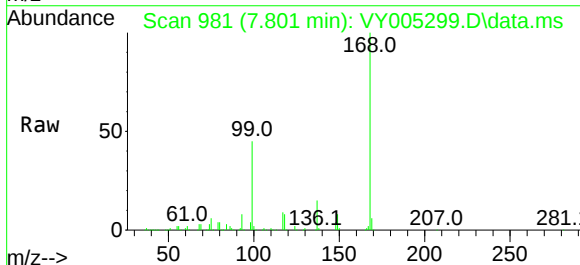
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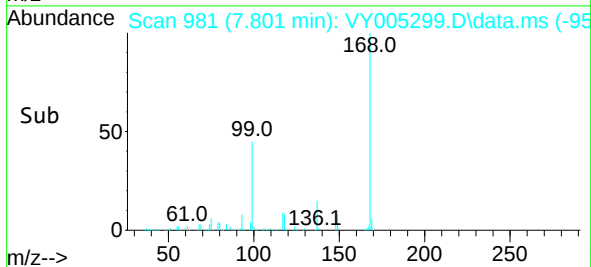
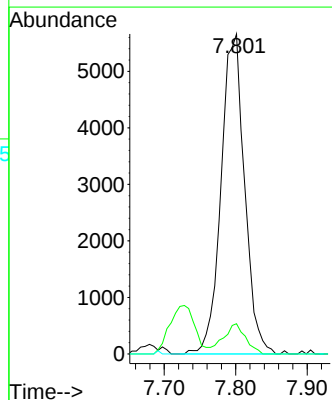
Tgt Ion:113 Resp: 93300
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 24.8 20.2 30.2

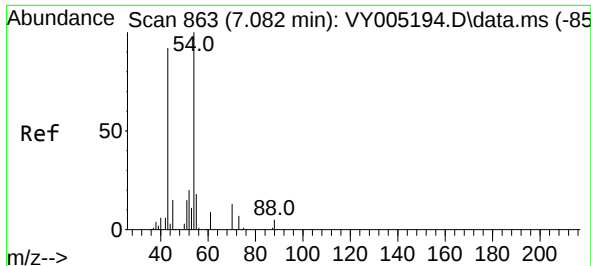


#36
1,1-Dichloropropene
Concen: 4.777 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42



Tgt Ion: 75 Resp: 12919
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.5#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 47.888 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY005299.D

Acq: 30 Jun 2021 15:42

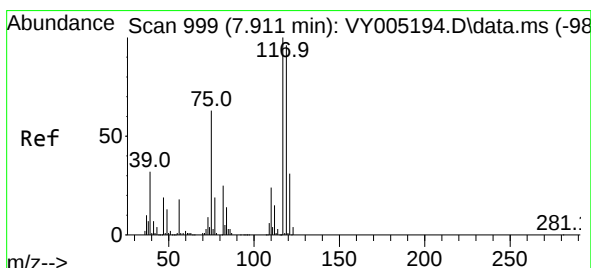
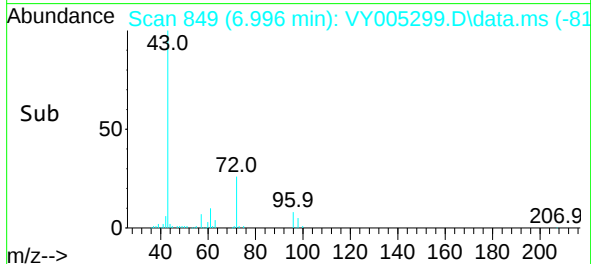
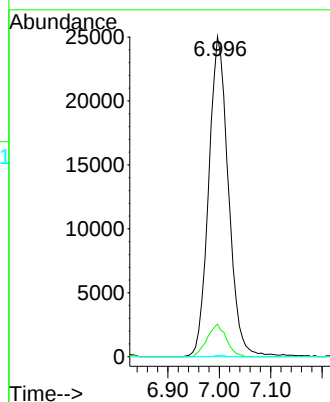
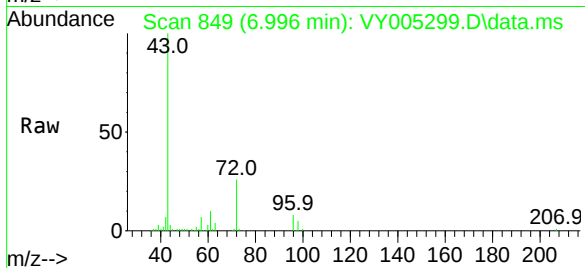
Instrument :

MSVOA_Y

ClientSampleId :

26878RE

Tgt Ion: 43	Resp: 66791
Ion Ratio	Lower Upper
43 100	
61 9.9	12.8 19.2#
70 0.2	9.7 14.5#



#38

Carbon Tetrachloride

Concen: 6.007 ug/l

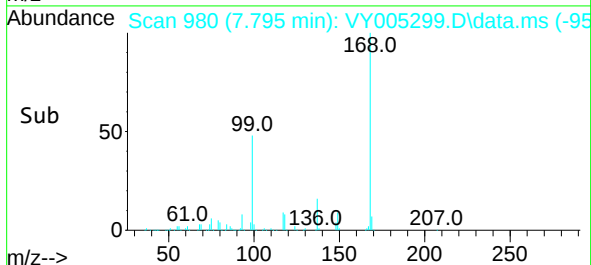
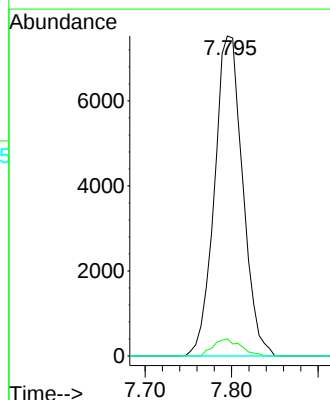
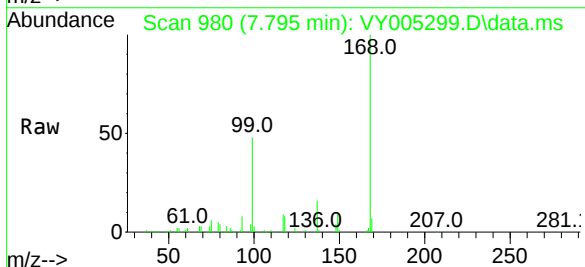
RT: 7.795 min Scan# 980

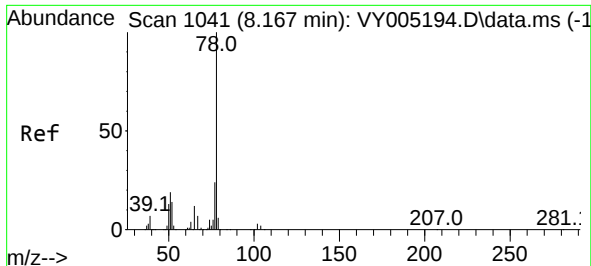
Delta R.T. -0.116 min

Lab File: VY005299.D

Acq: 30 Jun 2021 15:42

Tgt Ion: 117	Resp: 17006
Ion Ratio	Lower Upper
117 100	
119 5.4	76.2 114.4#
121 0.0	24.7 37.1#

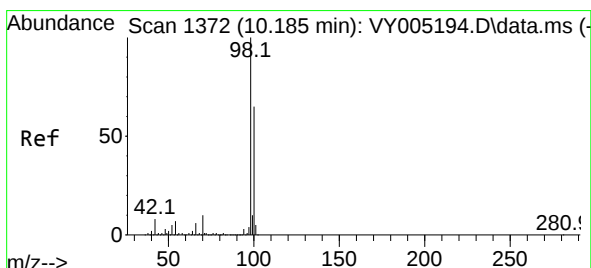
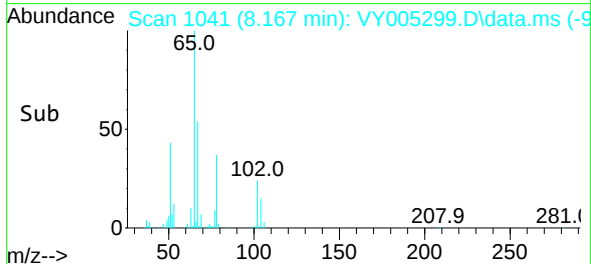
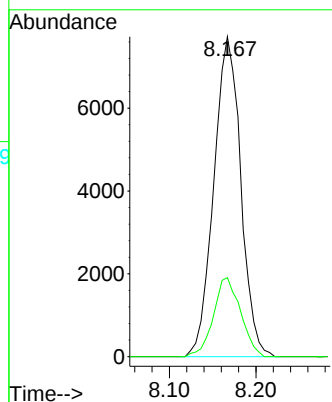
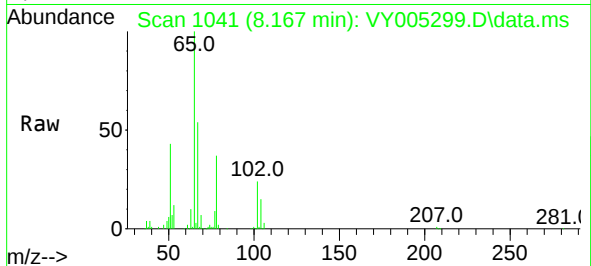




#40
Benzene
Concen: 2.094 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

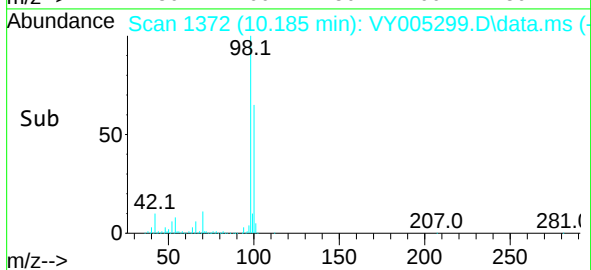
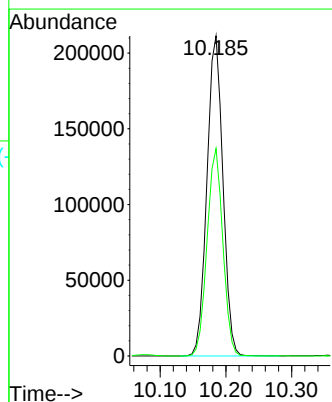
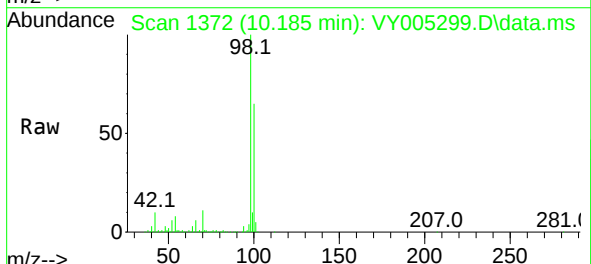
Instrument :
MSVOA_Y
ClientSampled :
26878RE

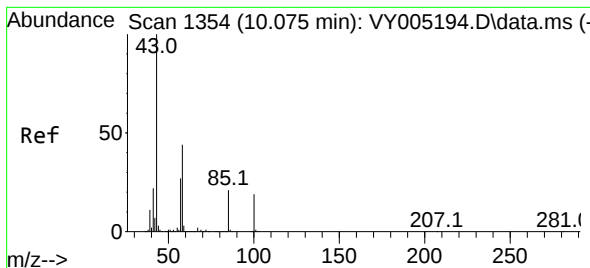
Tgt Ion: 78 Resp: 16702
Ion Ratio Lower Upper
78 100
77 24.7 19.1 28.7



#50
Toluene-d8
Concen: 49.244 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 98 Resp: 356724
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

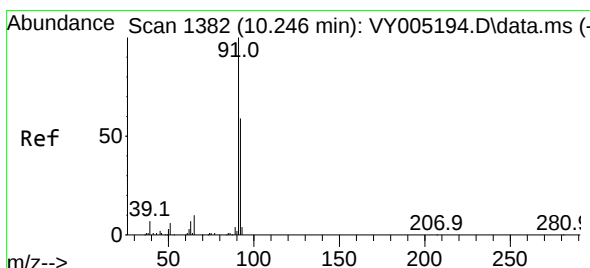
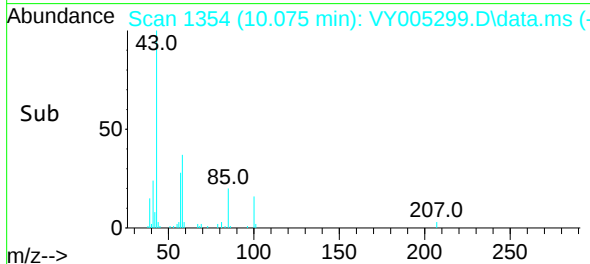
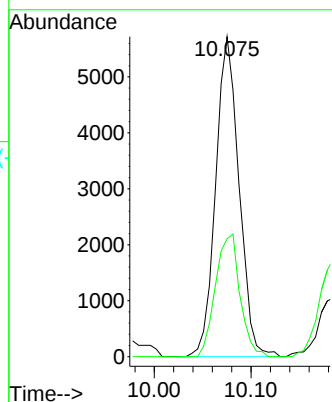
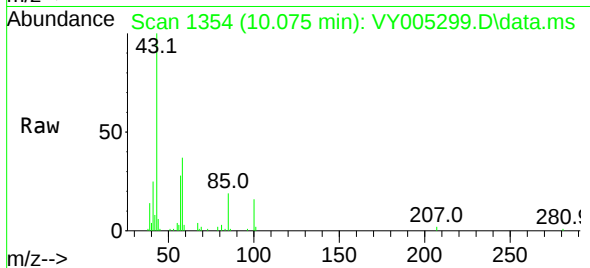




#51
4-Methyl-2-Pentanone
Concen: 7.146 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

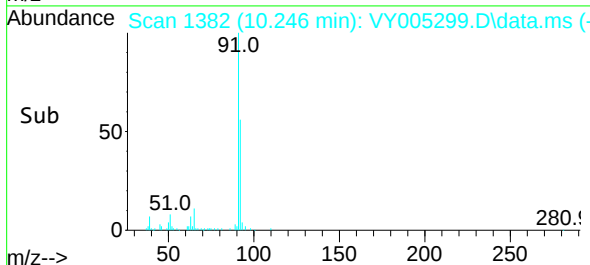
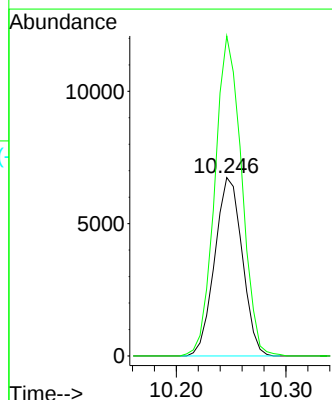
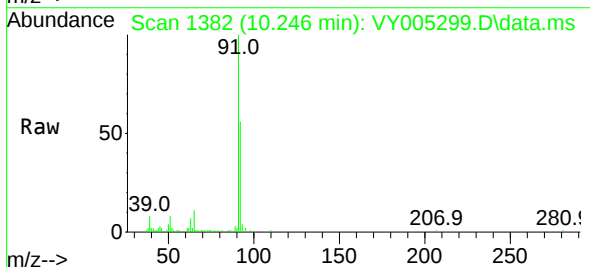
Instrument :
MSVOA_Y
ClientSampled :
26878RE

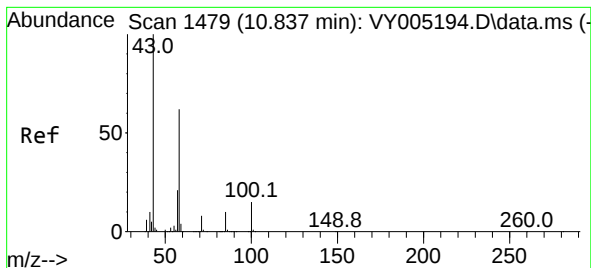
Tgt Ion: 43 Resp: 9589
Ion Ratio Lower Upper
43 100
58 40.1 35.3 52.9



#52
Toluene
Concen: 2.308 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 92 Resp: 11765
Ion Ratio Lower Upper
92 100
91 174.7 138.3 207.5

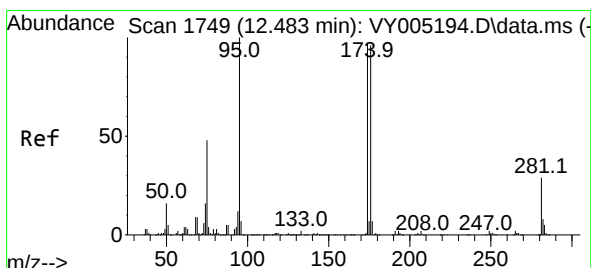
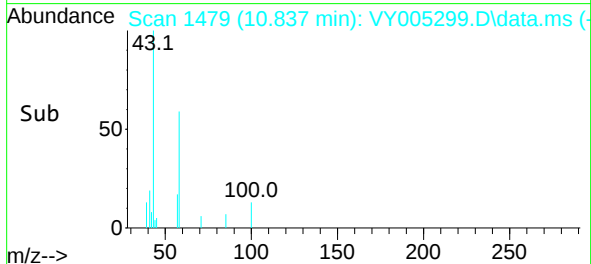
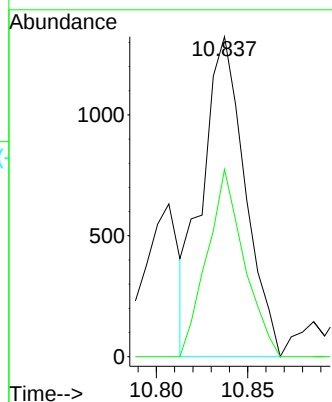
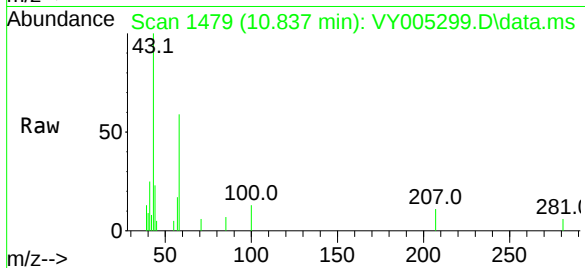




#59
2-Hexanone
Concen: 2.330 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

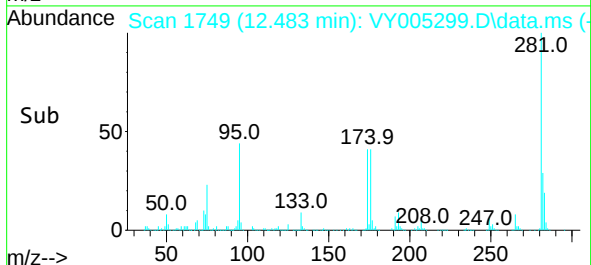
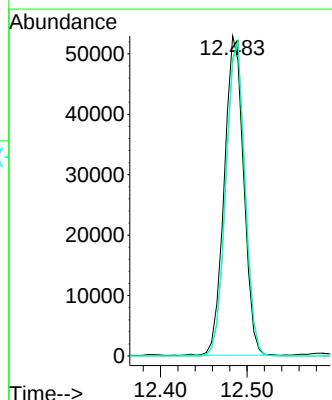
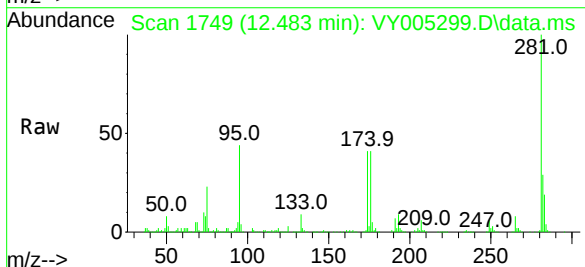
Instrument :
MSVOA_Y
ClientSampleId :
26878RE

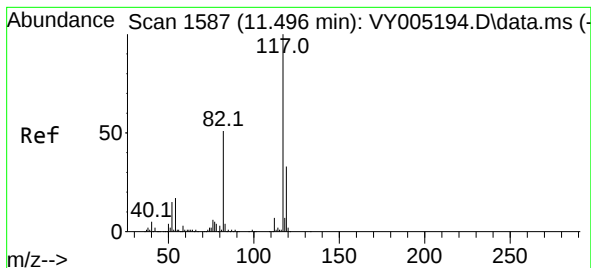
Tgt Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
58 50.7 30.8 92.4



#62
4-Bromofluorobenzene
Concen: 34.048 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 95 Resp: 82188
Ion Ratio Lower Upper
95 100
174 96.8 0.0 201.6
176 97.3 0.0 197.4

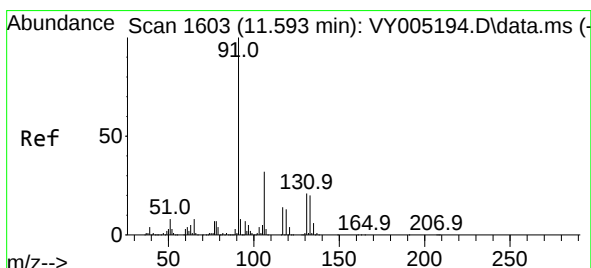
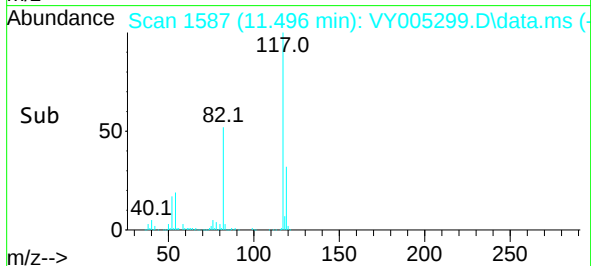
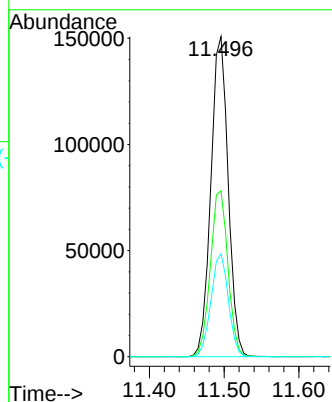
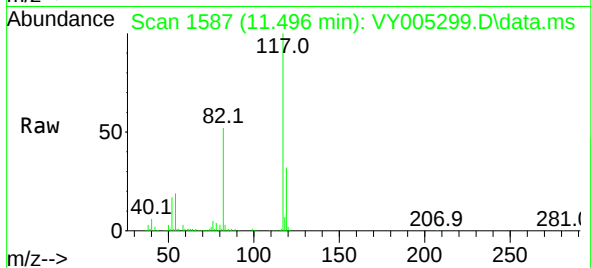




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

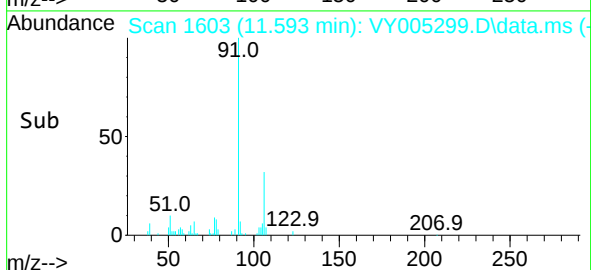
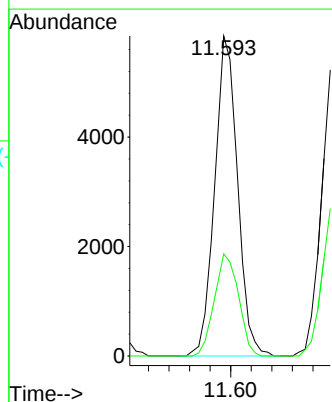
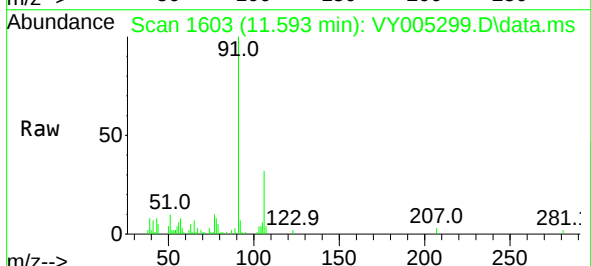
Instrument :
MSVOA_Y
ClientSampleId :
26878RE

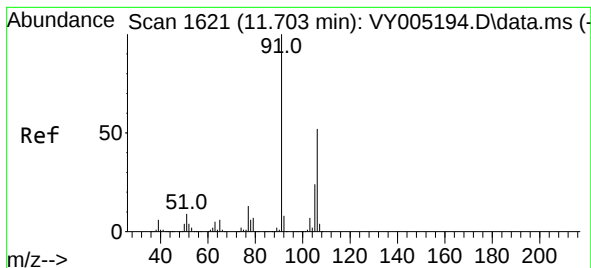
Tgt Ion:117 Resp: 242707
Ion Ratio Lower Upper
117 100
82 51.9 40.6 60.8
119 32.1 26.1 39.1



#67
Ethyl Benzene
Concen: 1.088 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 91 Resp: 9023
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.6

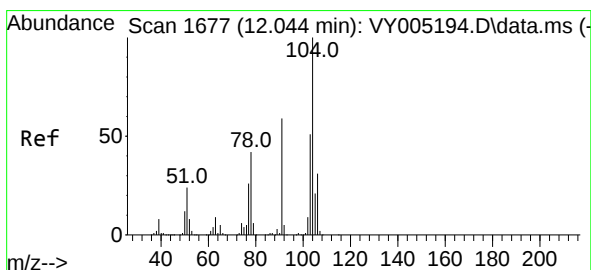
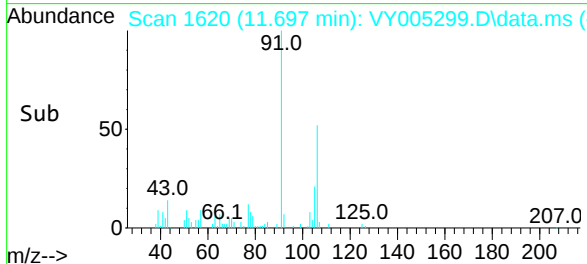
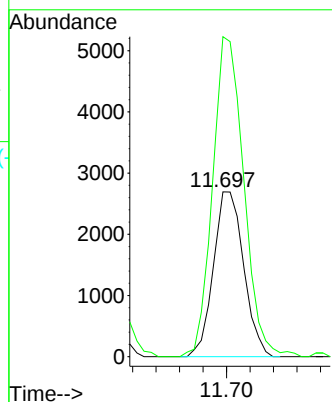
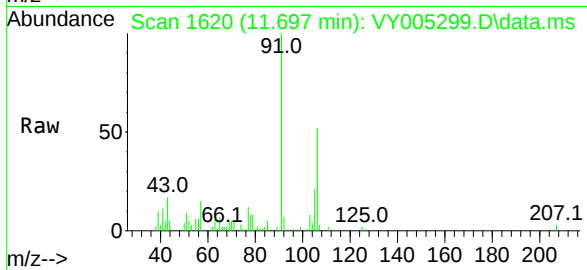




#68
m/p-Xylenes
Concen: 1.447 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

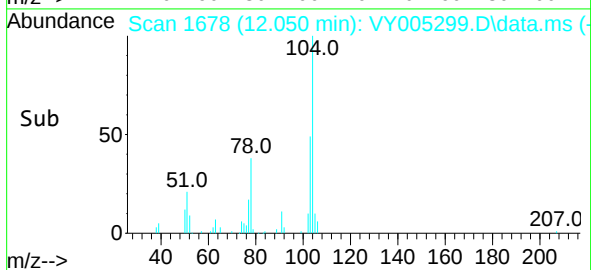
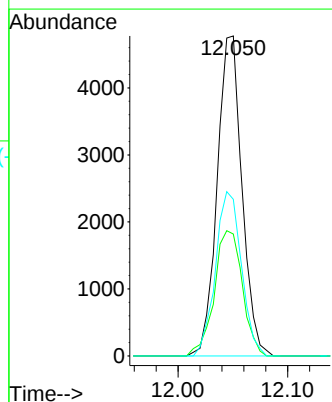
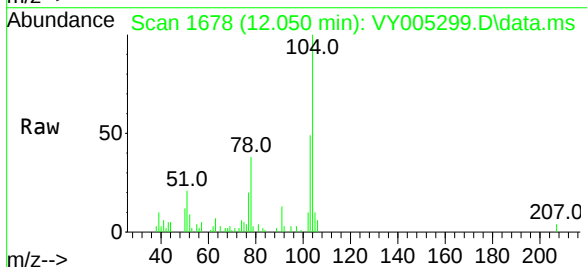
Instrument :
MSVOA_Y
ClientSampleId :
26878RE

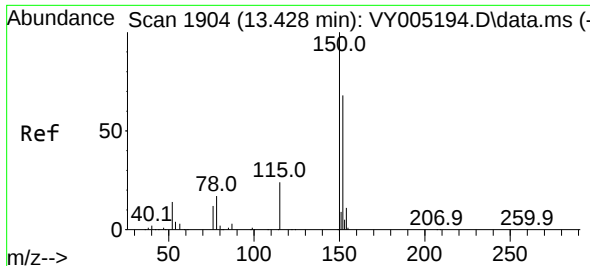
Tgt Ion:106 Resp: 4808
Ion Ratio Lower Upper
106 100
91 200.2 154.8 232.2



#70
Styrene
Concen: 1.418 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion:104 Resp: 7503
Ion Ratio Lower Upper
104 100
78 44.3 36.4 54.6
103 53.8 43.8 65.8

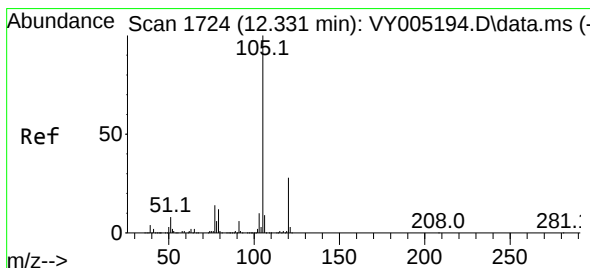
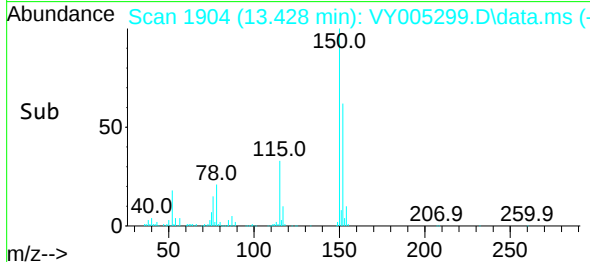
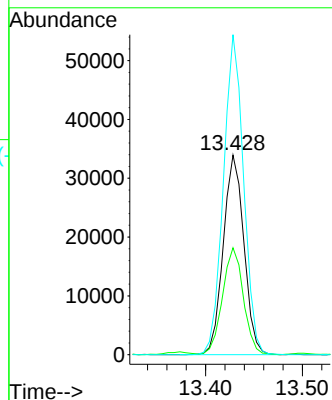
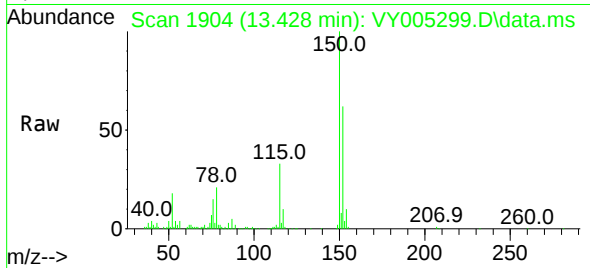




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

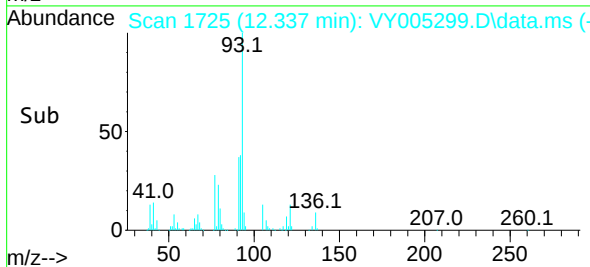
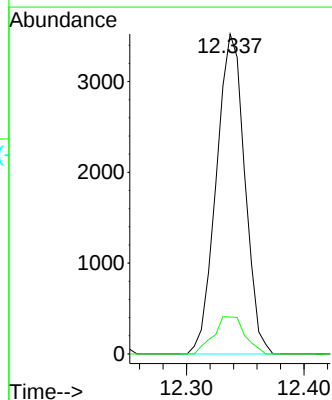
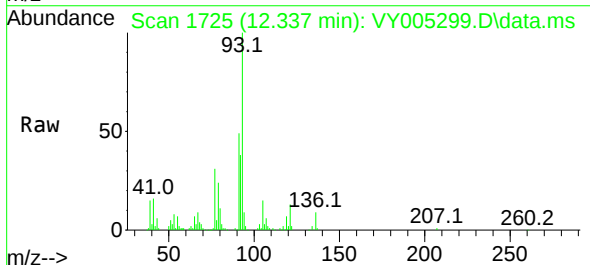
Instrument :
MSVOA_Y
ClientSampleId :
26878RE

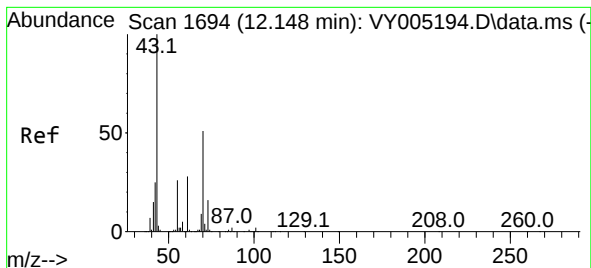
Tgt Ion:152 Resp: 50303
Ion Ratio Lower Upper
152 100
115 54.1 26.3 78.8
150 156.5 0.0 344.2



#73
Isopropylbenzene
Concen: 1.816 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion:105 Resp: 5924
Ion Ratio Lower Upper
105 100
120 12.7 14.0 42.0#

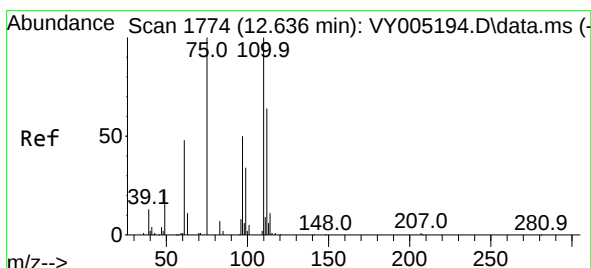
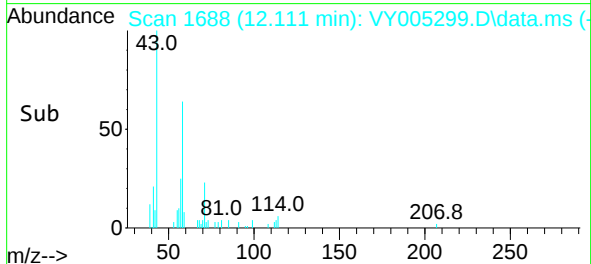
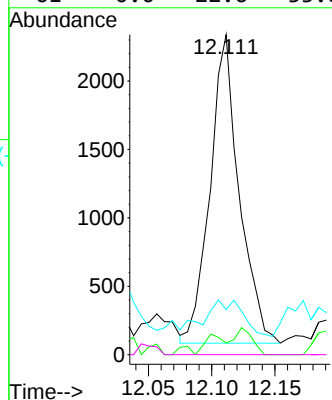
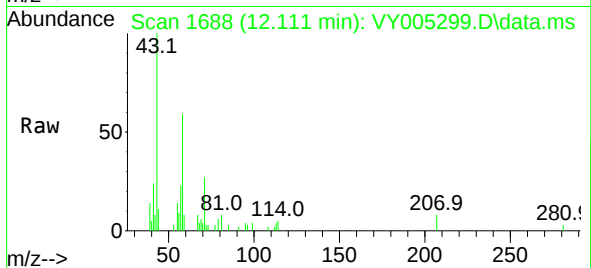




#74
N-amy1 acetate
Concen: 4.673 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.036 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

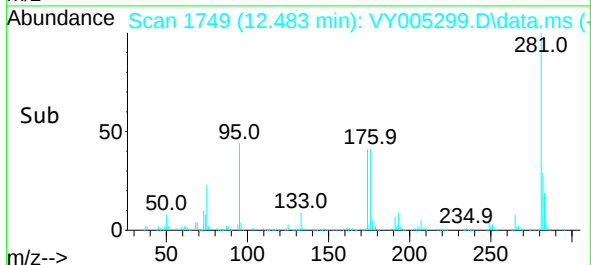
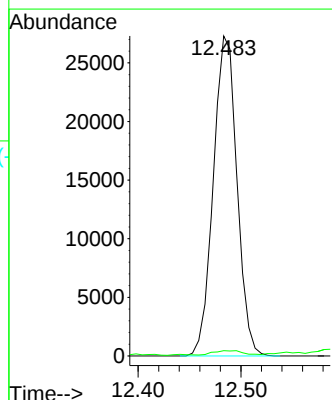
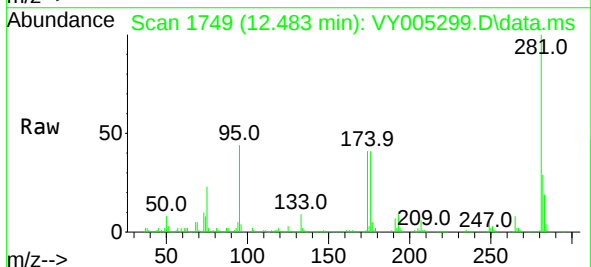
Instrument :
MSVOA_Y
ClientSampleId :
26878RE

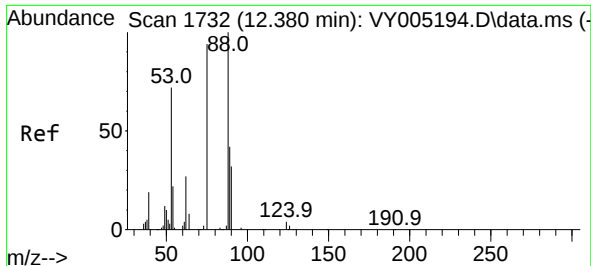
Tgt Ion: 43	Resp: 3608
Ion Ratio	Lower Upper
43 100	
70 5.5	40.6 61.0#
55 15.7	21.5 32.3#
61 0.0	22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 97.792 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 75	Resp: 43628
Ion Ratio	Lower Upper
75 100	
77 1.6	0.0 0.0#

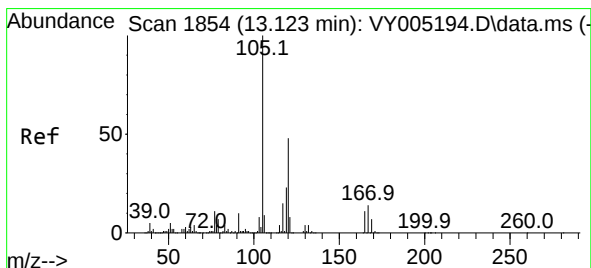
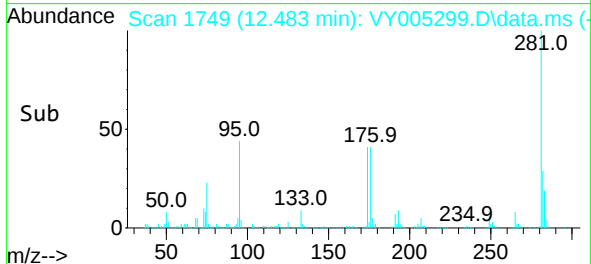
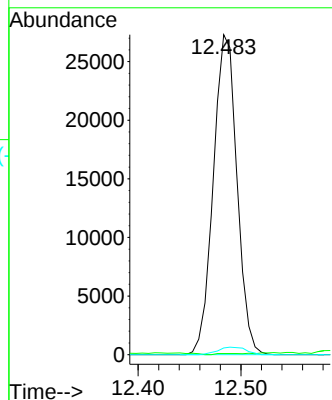
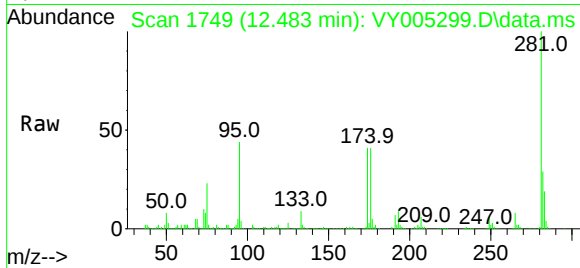




#81
trans-1,4-Dichloro-2-butene
Concen: 182.457 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

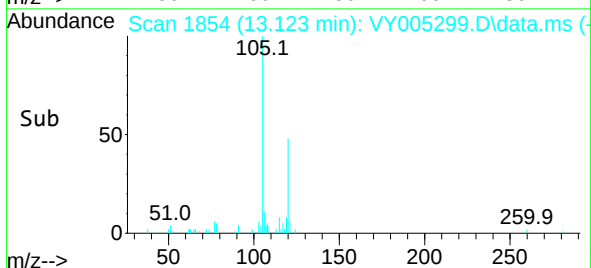
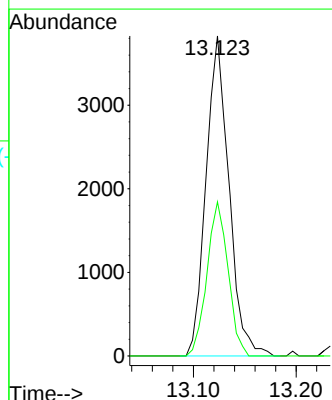
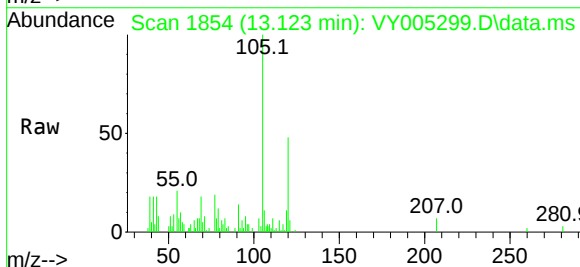
Instrument :
MSVOA_Y
ClientSampleId :
26878RE

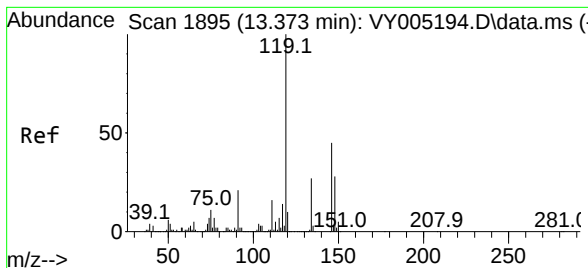
Tgt Ion: 75 Resp: 43628
Ion Ratio Lower Upper
75 100
53 0.4 63.0 94.4#
89 2.8 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.222 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

Tgt Ion: 105 Resp: 5929
Ion Ratio Lower Upper
105 100
120 44.3 23.6 71.0

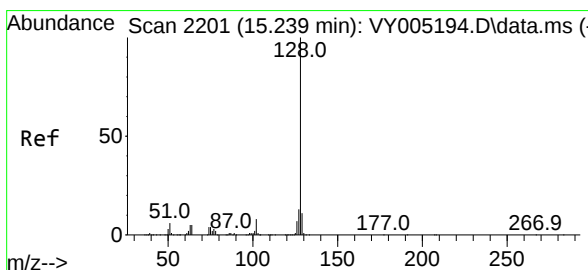
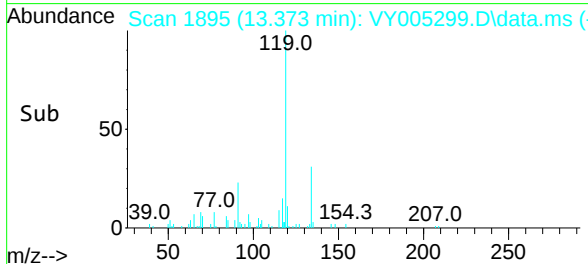
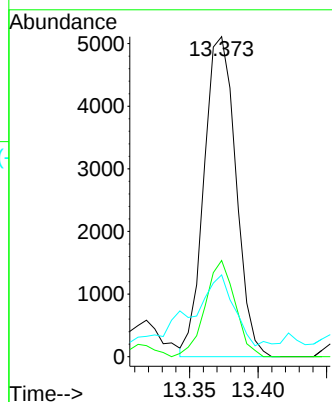
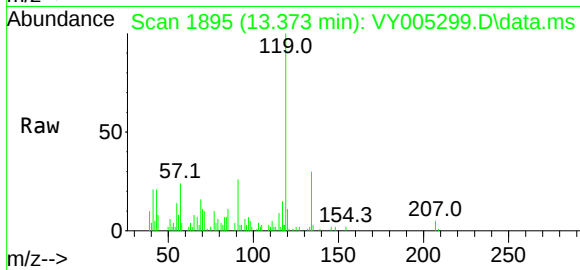




#86
p-Isopropyltoluene
Concen: 2.734 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

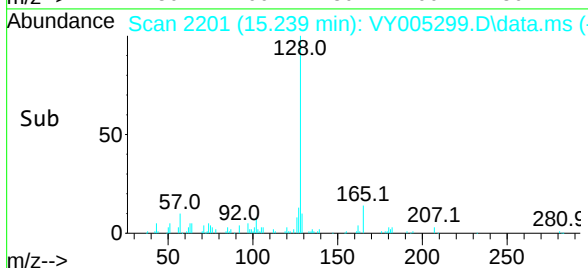
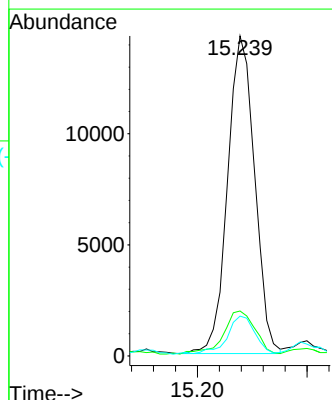
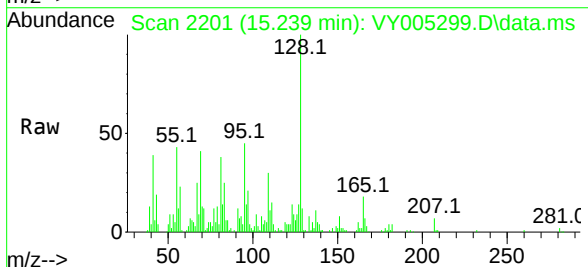
Instrument :
MSVOA_Y
ClientSampleId :
26878RE

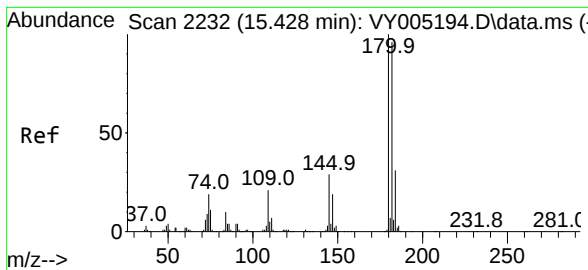
Tgt Ion:	119	Resp:	8258
Ion Ratio	Lower	Upper	
119	100		
134	28.2	13.9	41.6
91	34.4	10.8	32.3#



#95
Naphthalene
Concen: 12.822 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005299.D
Acq: 30 Jun 2021 15:42

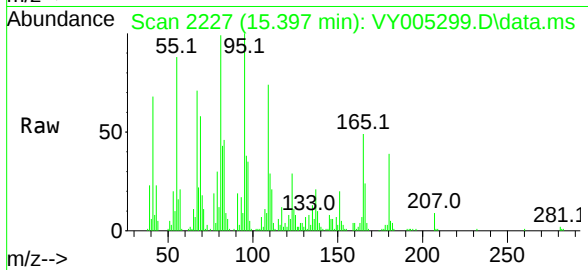
Tgt Ion:	128	Resp:	24441
Ion Ratio	Lower	Upper	
128	100		
127	16.5	10.2	15.4#
129	12.6	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 7.218 ug/l
 RT: 15.397 min Scan# 2227
 Delta R.T. -0.030 min
 Lab File: VY005299.D
 Acq: 30 Jun 2021 15:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 26878RE



Tgt Ion:180 Resp: 6565
 Ion Ratio Lower Upper
 180 100
 182 12.7 47.7 143.1#
 145 18.4 14.1 42.4

