

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
 Data File : VY004101.D
 Acq On : 17 Mar 2021 14:24
 Operator : SY/MD
 Sample : M1681-37
 Misc : 4.46g/5mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 01:48:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

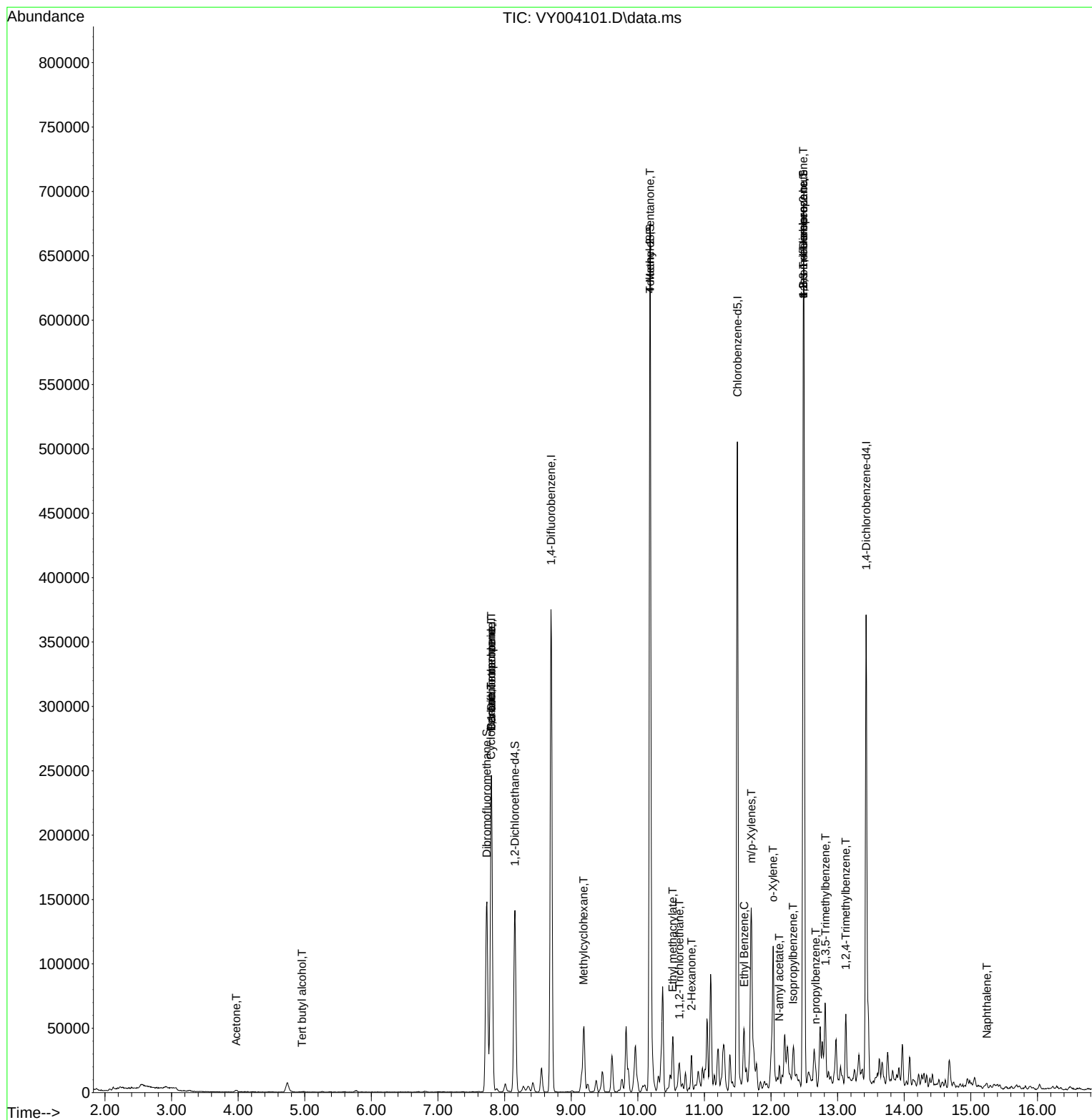
Internal Standards						
1) Pentafluorobenzene	7.801	168	191626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	327200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	272809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92878	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	110051	58.20	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.40%			
35) Dibromofluoromethane	7.734	113	102365	55.48	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.96%			
50) Toluene-d8	10.185	98	385956	53.36	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.72%			
62) 4-Bromofluorobenzene	12.483	95	105251	39.40	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 78.80%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19	Below Cal	#	41
3) Chloromethane	2.119	50	1222	Below Cal	#	78
11) Tert butyl alcohol	4.960	59	296	1.73	ug/l #	76
16) Acetone	3.973	43	2622	5.74	ug/l	97
20) Methylene Chloride	4.735	84	5264	Below Cal		87
31) Cyclohexane	7.795	56	5107	1.54	ug/l #	20
36) 1,1-Dichloropropene	7.801	75	14000	4.87	ug/l #	51
38) Carbon Tetrachloride	7.801	117	18651	6.12	ug/l #	16
39) Methylcyclohexane	9.185	83	22468	6.05	ug/l	92
51) 4-Methyl-2-Pentanone	10.185	43	4177	2.65	ug/l #	33
55) 1,1,2-Trichloroethane	10.624	97	8316	5.12	ug/l #	21
56) Ethyl methacrylate	10.526	69	4501	1.98	ug/l #	30
58) 2-Chloroethyl Vinyl ether	9.612	63	19	Below Cal	#	47
59) 2-Hexanone	10.807	43	9579	8.66	ug/l #	29
67) Ethyl Benzene	11.599	91	26969	2.81	ug/l	95
68) m/p-Xylenes	11.703	106	41899	11.45	ug/l	94
69) o-Xylene	12.032	106	26667	7.71	ug/l	94
73) Isopropylbenzene	12.331	105	8171	1.27	ug/l	99
74) N-amyl acetate	12.124	43	3595	1.94	ug/l #	51
76) 1,2,3-Trichloropropane	12.483	75	58085	65.22	ug/l #	100
78) n-propylbenzene	12.672	91	9082	1.19	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	19613	3.58	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.483	75	58085	128.72	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	27664	5.05	ug/l	96
95) Naphthalene	15.239	128	3512	1.02	ug/l	96

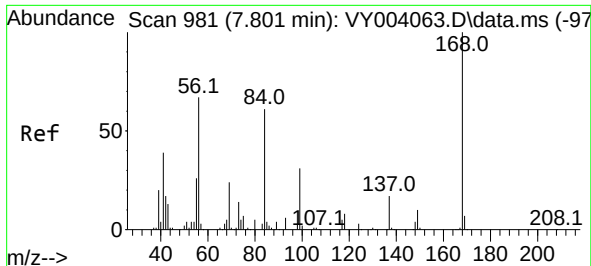
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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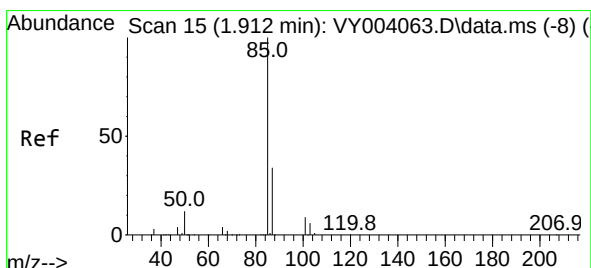
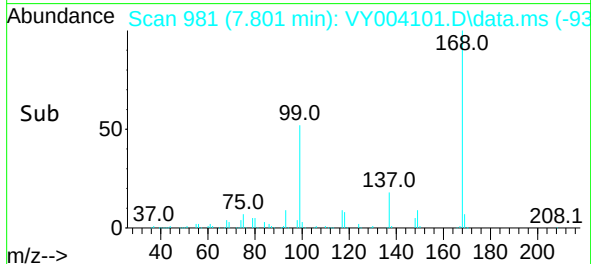
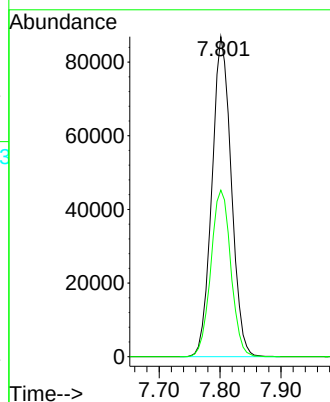
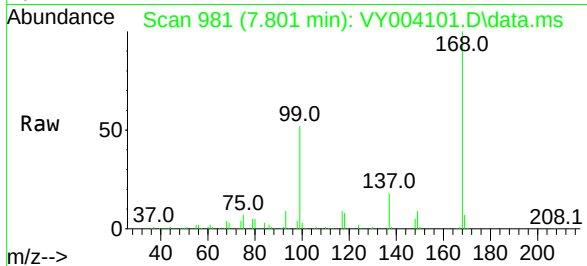




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

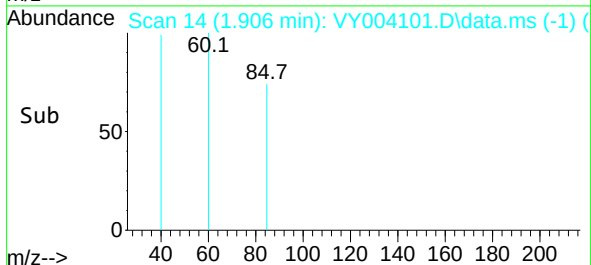
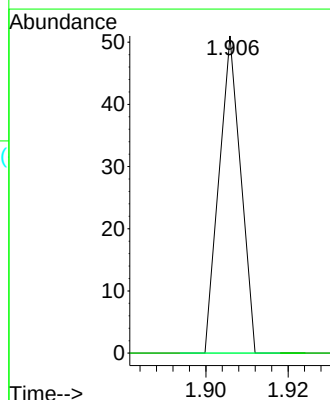
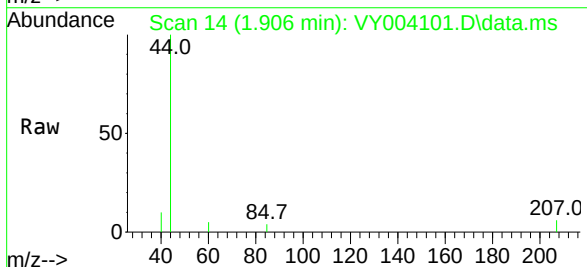
Instrument :
MSVOA_Y
ClientSampled :

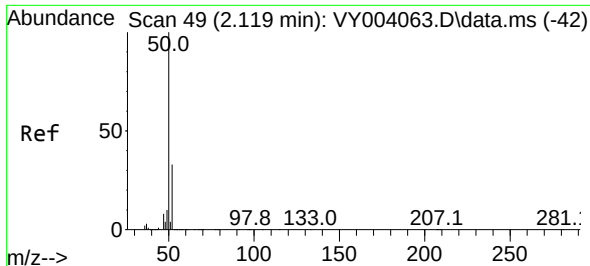
Tgt Ion:168 Resp: 191626
Ion Ratio Lower Upper
168 100
99 52.1 41.2 61.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

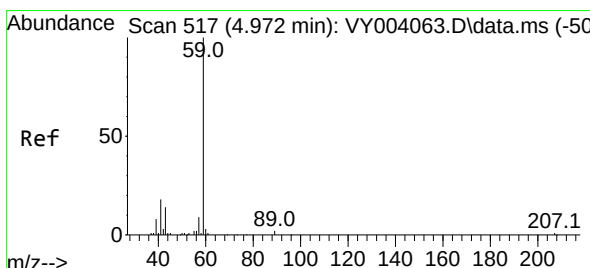
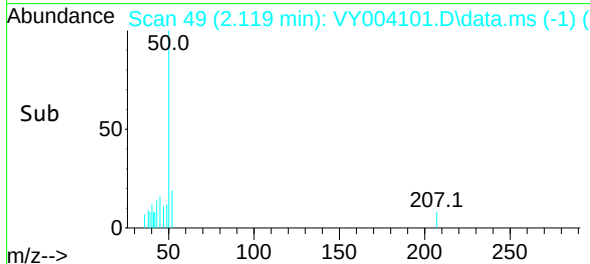
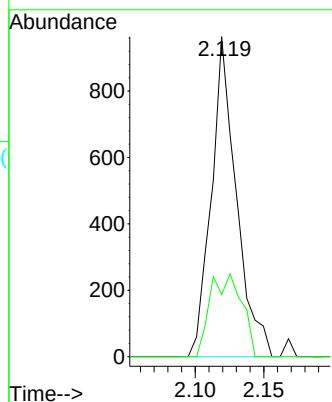
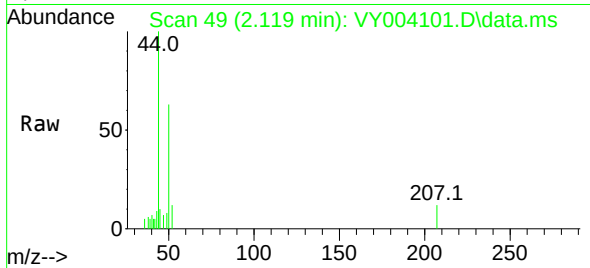




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

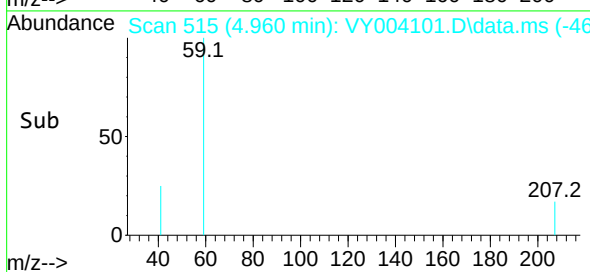
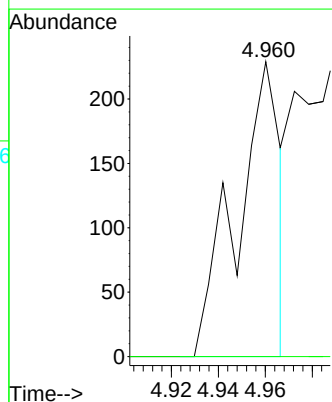
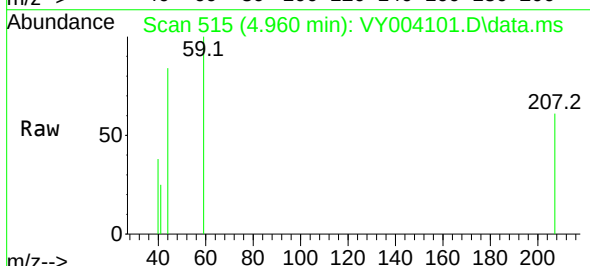
Instrument :
MSVOA_Y
ClientSampled :

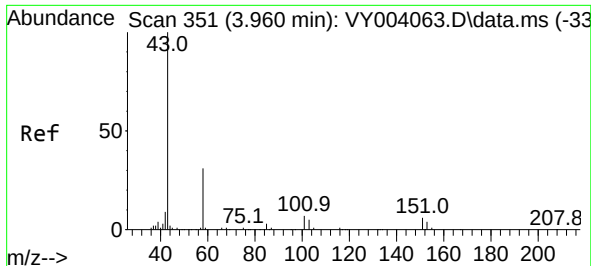
Tgt Ion: 50 Resp: 1222
Ion Ratio Lower Upper
50 100
52 19.4 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.73 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 59 Resp: 296
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

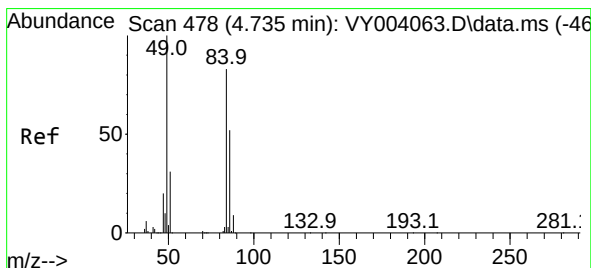
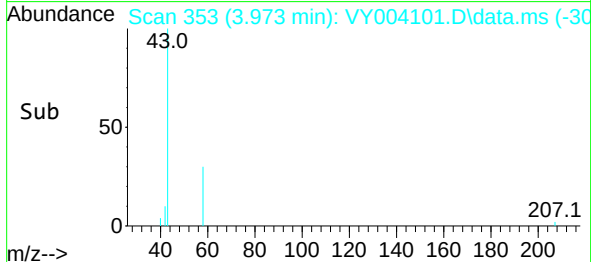
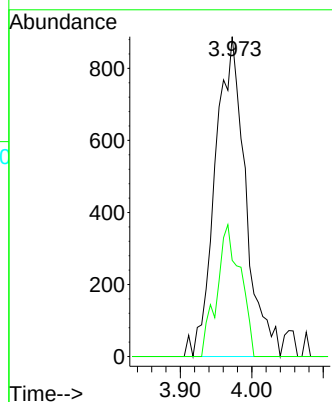
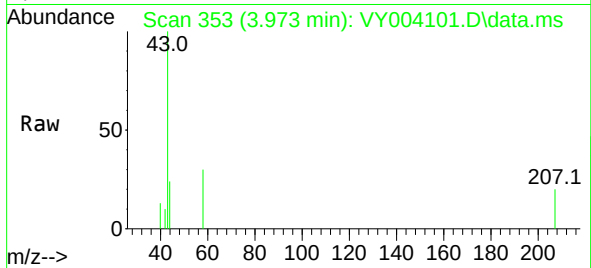




#16
Acetone
Concen: 5.74 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.013 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

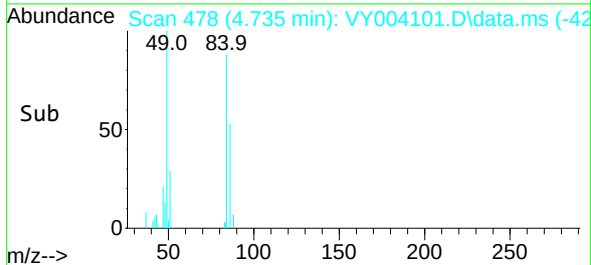
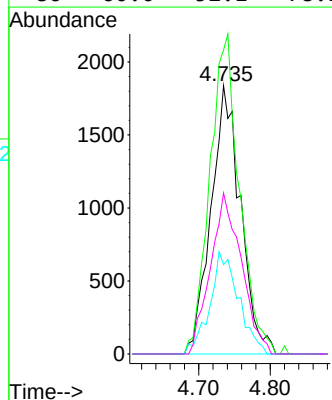
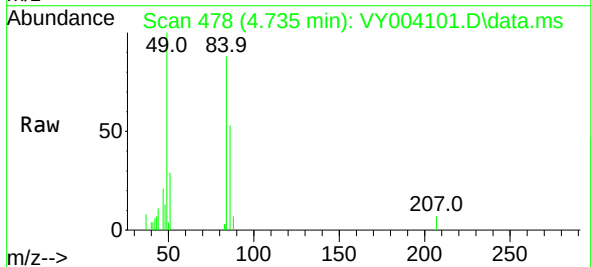
Instrument :
MSVOA_Y
ClientSampled :

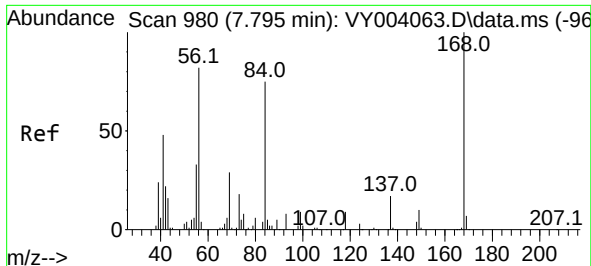
Tgt Ion: 43 Resp: 2622
Ion Ratio Lower Upper
43 100
58 30.1 22.6 34.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 84 Resp: 5264
Ion Ratio Lower Upper
84 100
49 113.3 105.8 158.6
51 33.4 32.6 48.8
86 60.0 52.1 78.1

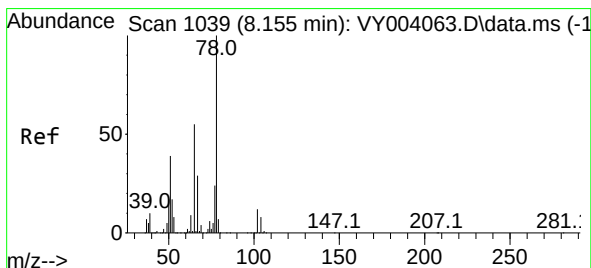
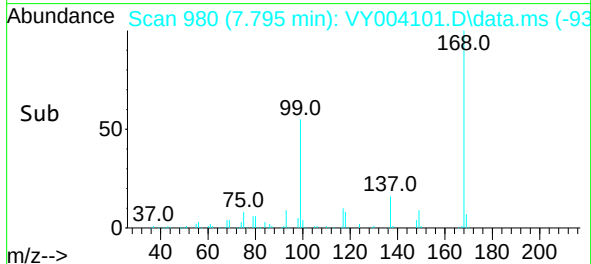
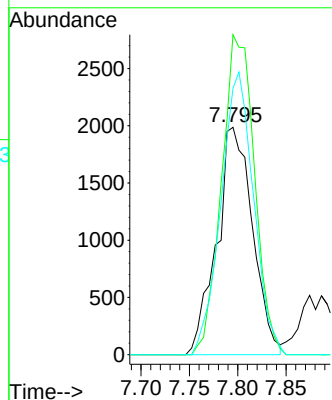
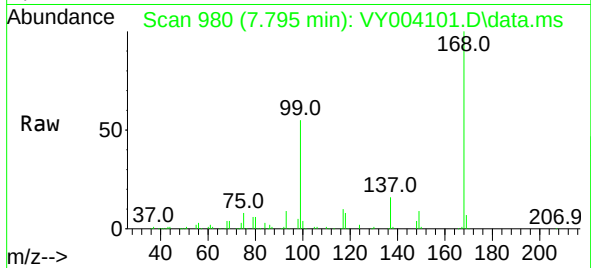




#31
Cyclohexane
Concen: 1.54 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

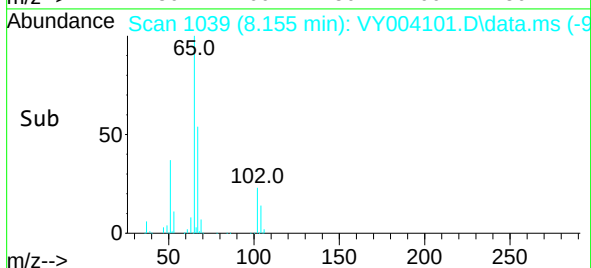
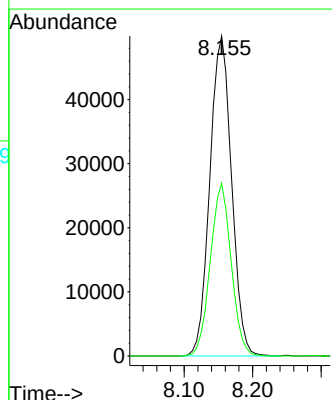
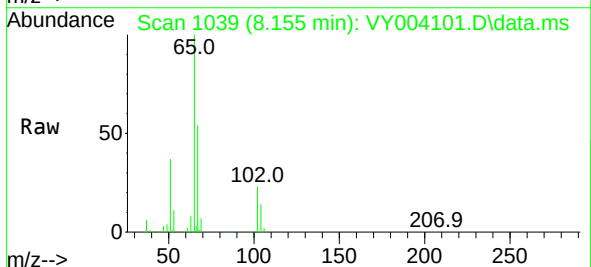
Instrument :
MSVOA_Y
ClientSampleId :

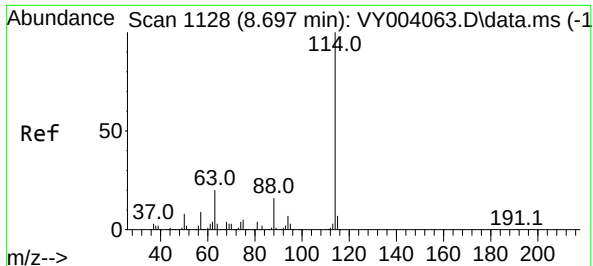
Tgt Ion: 56 Resp: 5107
Ion Ratio Lower Upper
56 100
69 140.7 25.3 37.9#
84 117.2 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 58.20 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 65 Resp: 110051
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.4

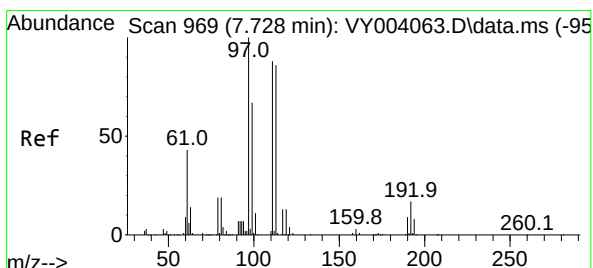
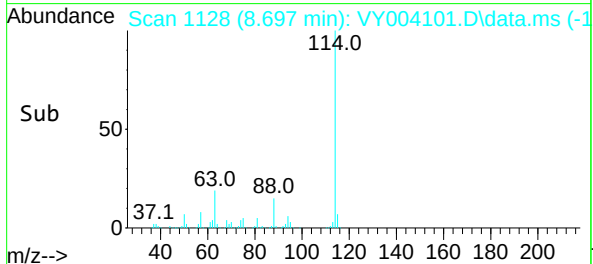
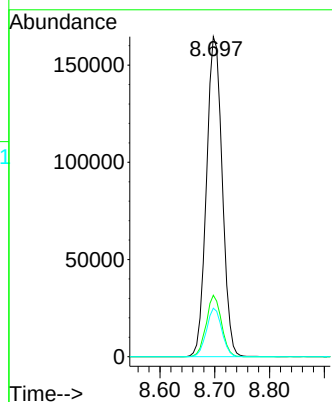
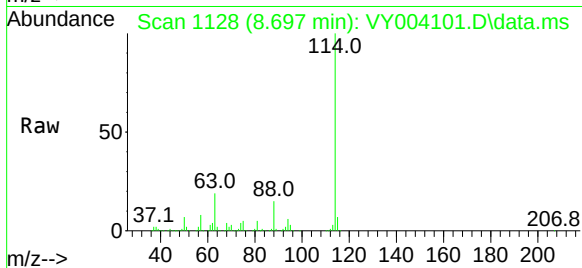




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

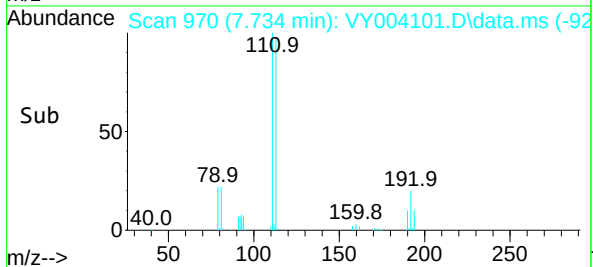
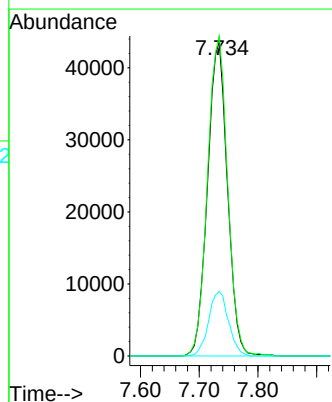
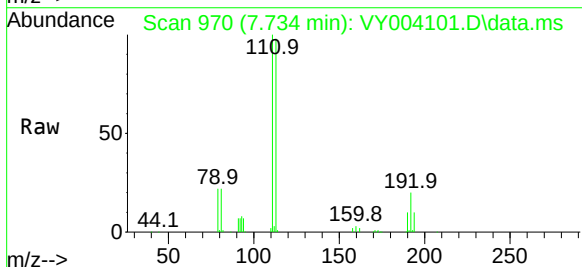
Instrument :
MSVOA_Y
ClientSampled :

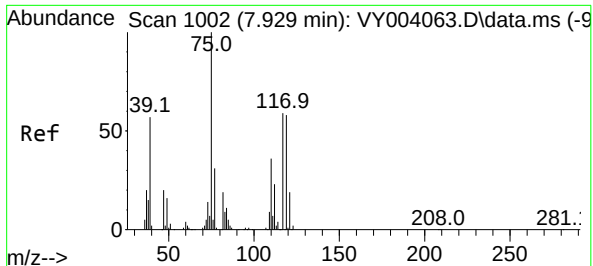
Tgt Ion:114 Resp: 327200
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.6
88 15.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.48 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion:113 Resp: 102365
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 20.6 18.5 27.7

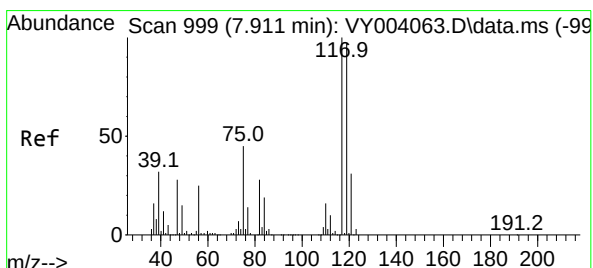
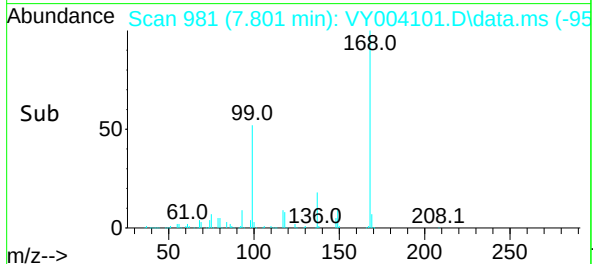
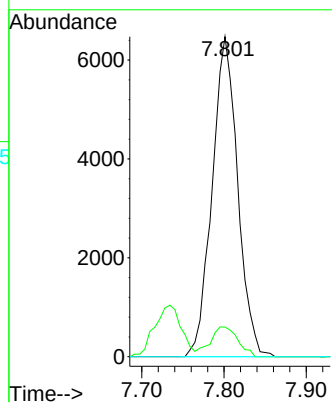
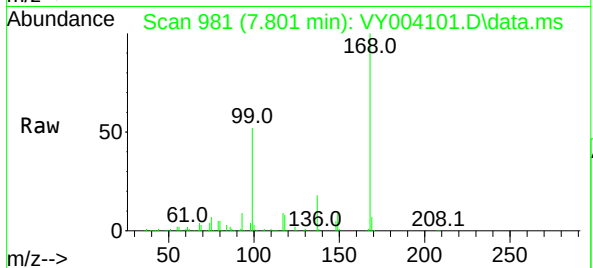




#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

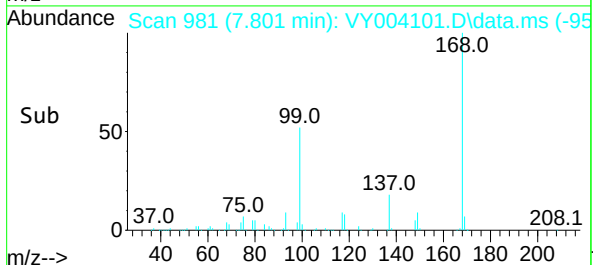
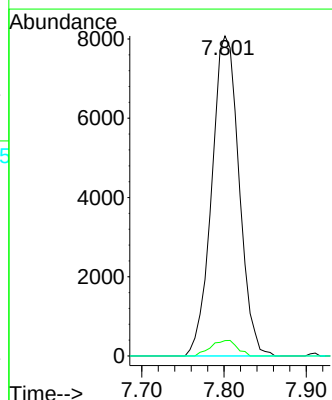
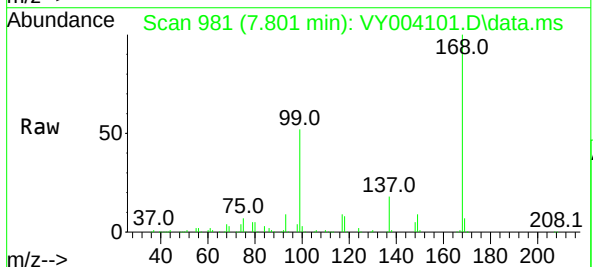
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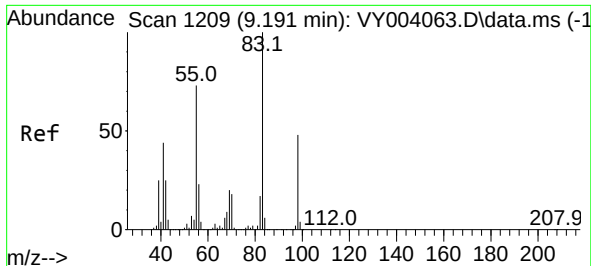
Tgt Ion: 75 Resp: 14000
Ion Ratio Lower Upper
75 100
110 10.0 17.4 52.3#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 117 Resp: 18651
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.0#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 6.05 ug/l

RT: 9.185 min Scan# 1208

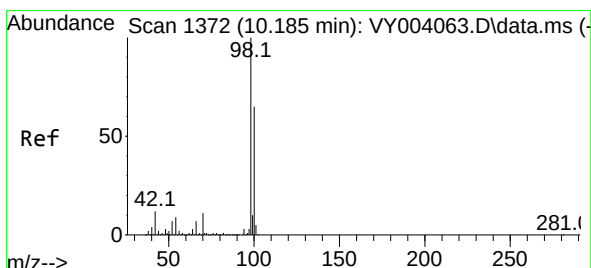
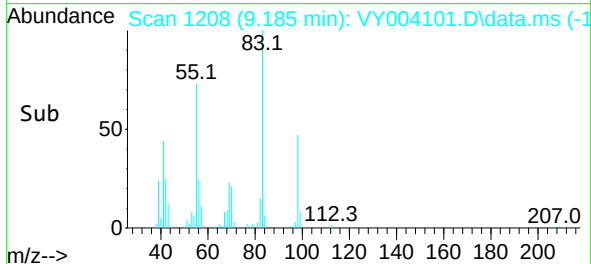
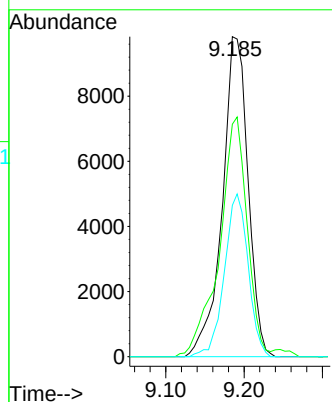
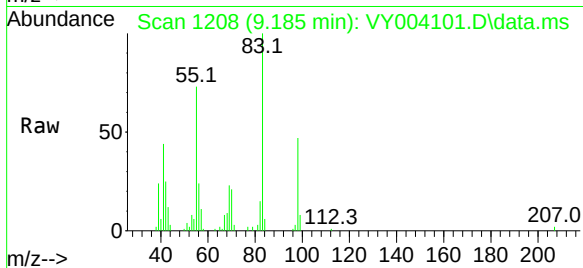
Delta R.T. -0.006 min

Lab File: VY004101.D

Acq: 17 Mar 2021 14:24

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	83	Resp:	22468
Ion	Ratio	Lower	Upper
83	100		
55	71.7	65.6	98.4
98	47.3	39.5	59.3



#50

Toluene-d8

Concen: 53.36 ug/l

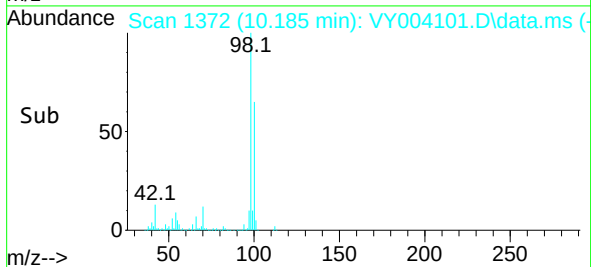
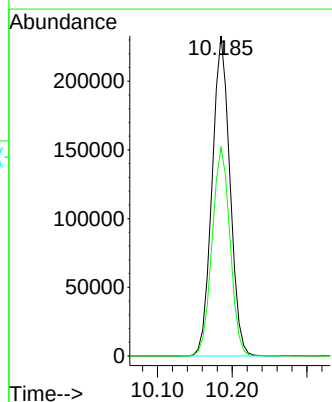
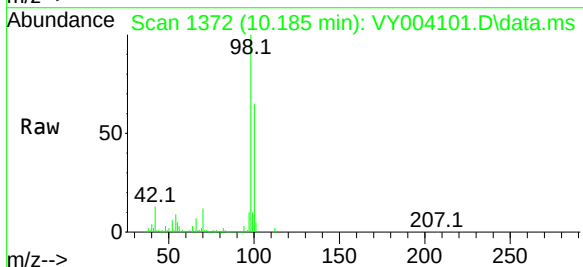
RT: 10.185 min Scan# 1372

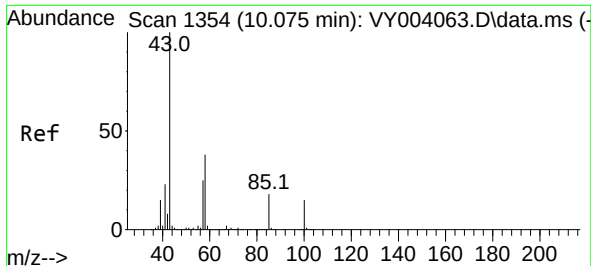
Delta R.T. -0.000 min

Lab File: VY004101.D

Acq: 17 Mar 2021 14:24

Tgt Ion:	98	Resp:	385956
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.6

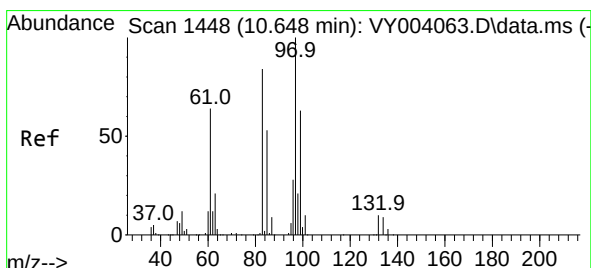
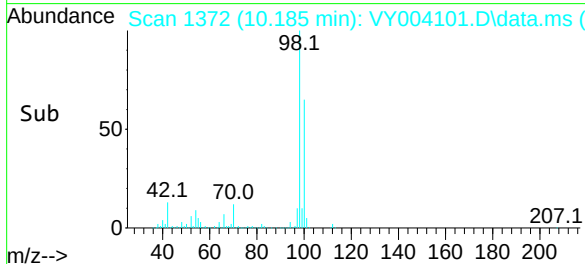
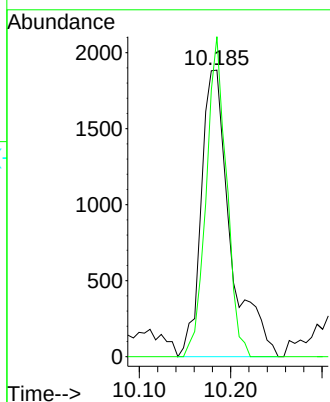
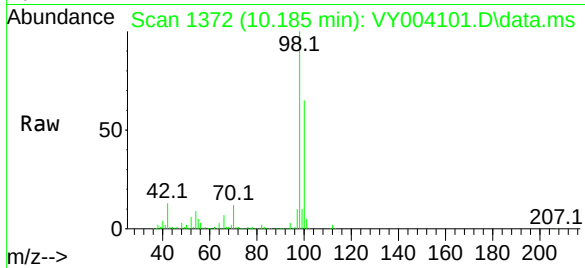




#51
4-Methyl-2-Pentanone
Concen: 2.65 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

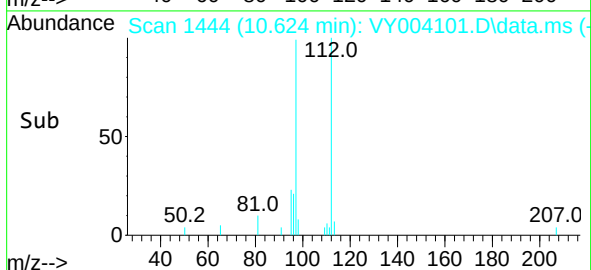
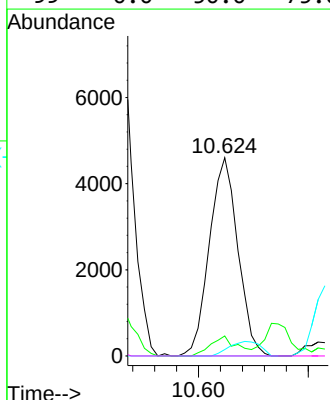
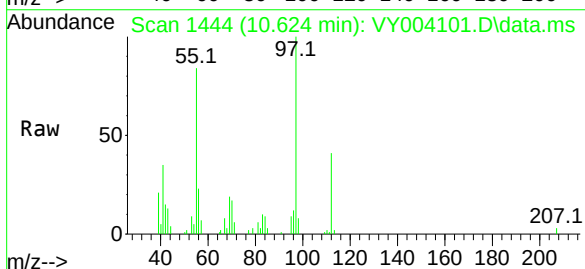
Instrument :
MSVOA_Y
ClientSampled :

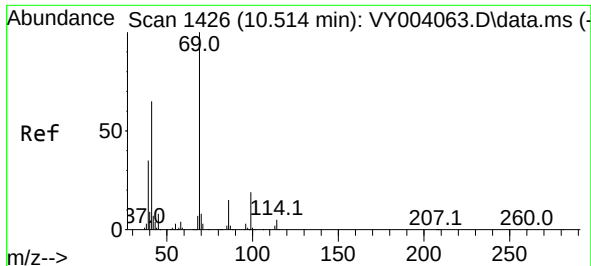
Tgt Ion: 43 Resp: 4177
Ion Ratio Lower Upper
43 100
58 77.6 29.8 44.8#



#55
1,1,2-Trichloroethane
Concen: 5.12 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 97 Resp: 8316
Ion Ratio Lower Upper
97 100
83 10.1 69.4 104.0#
85 3.2 43.4 65.0#
99 0.0 50.0 75.0#

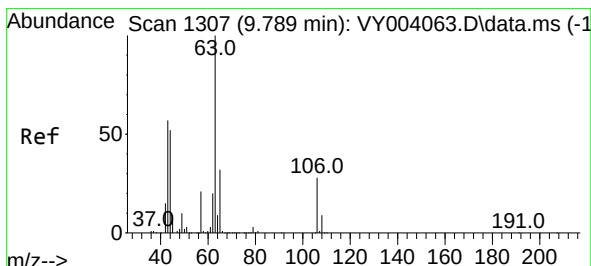
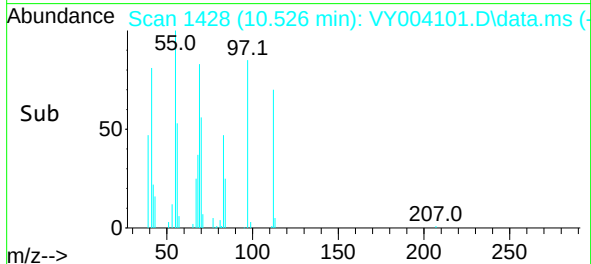
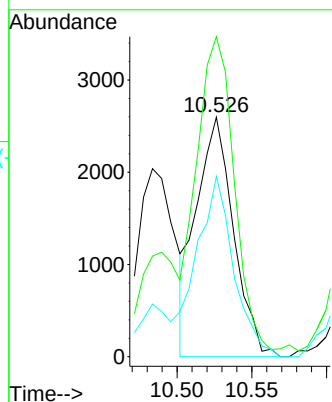
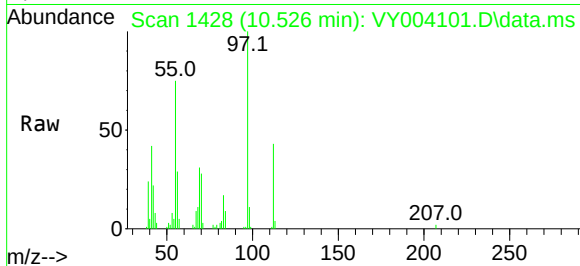




#56
Ethyl methacrylate
Concen: 1.98 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.012 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

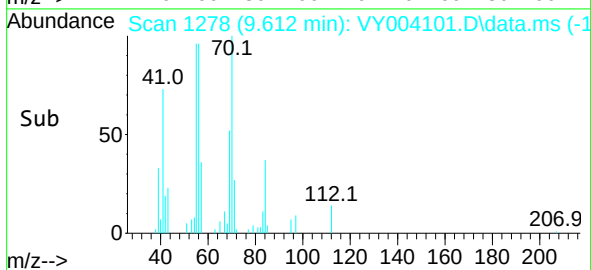
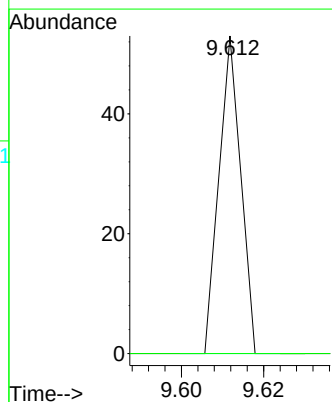
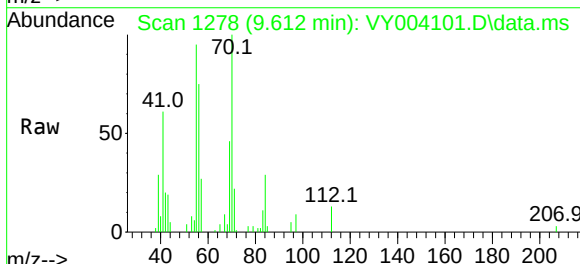
Instrument :
MSVOA_Y
ClientSampled :

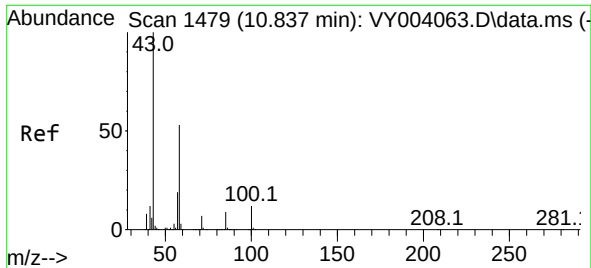
Tgt Ion: 69 Resp: 4501
Ion Ratio Lower Upper
69 100
41 129.5 57.2 85.8#
39 75.7 27.8 41.6#



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.612 min Scan# 1278
Delta R.T. -0.177 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#

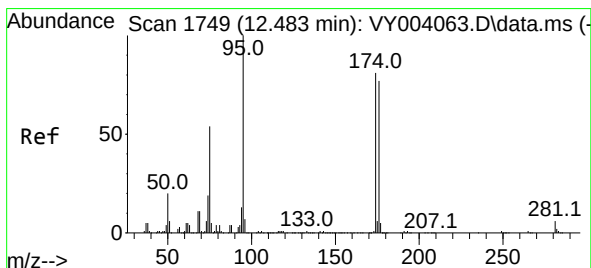
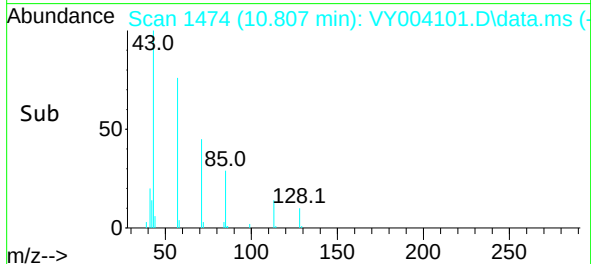
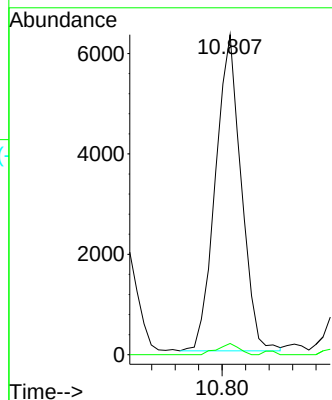
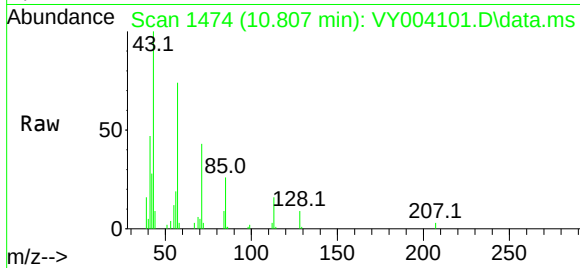




#59
2-Hexanone
Concen: 8.66 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

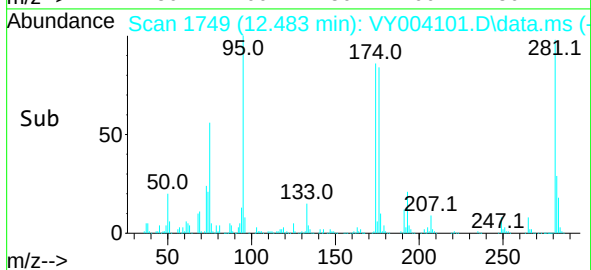
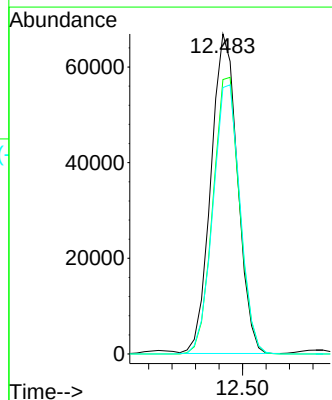
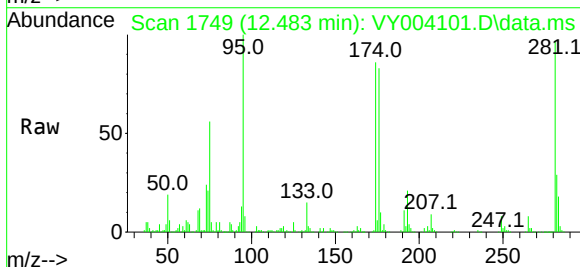
Instrument :
MSVOA_Y
ClientSampled :

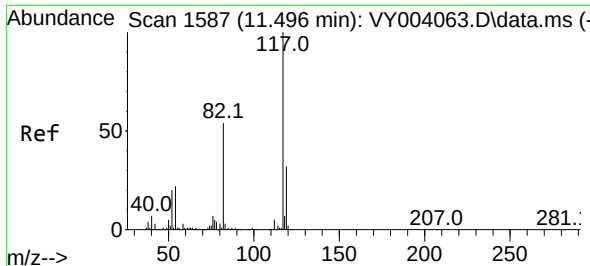
Tgt Ion: 43 Resp: 9579
Ion Ratio Lower Upper
43 100
58 2.9 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 39.40 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 95 Resp: 105251
Ion Ratio Lower Upper
95 100
174 86.3 0.0 179.0
176 85.6 0.0 174.4

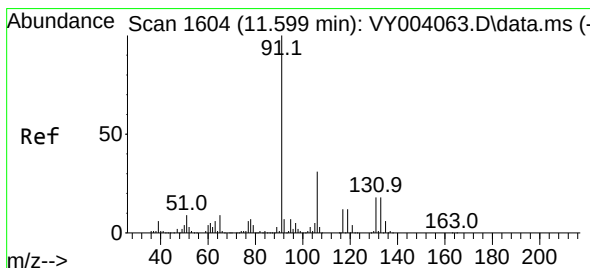
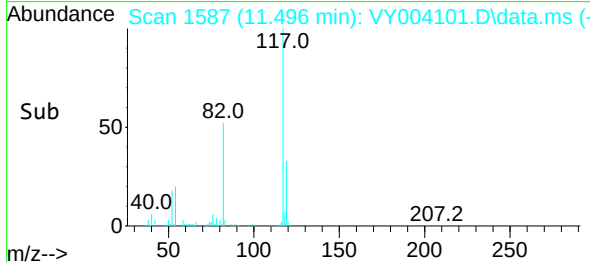
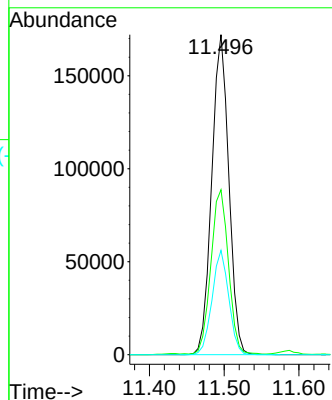
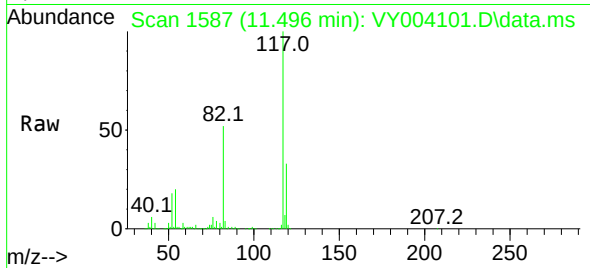




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

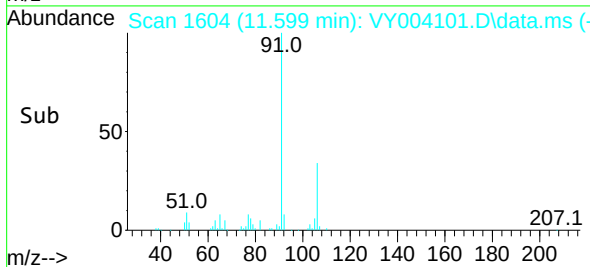
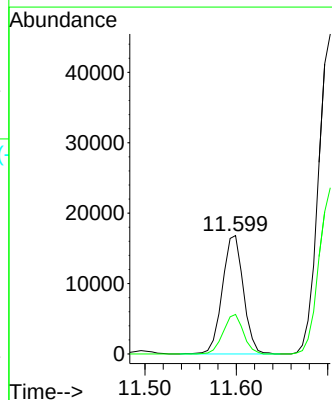
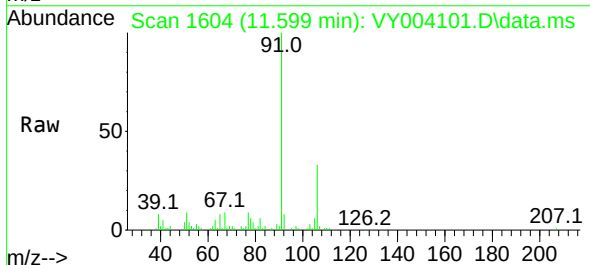
Instrument :
MSVOA_Y
ClientSampled :

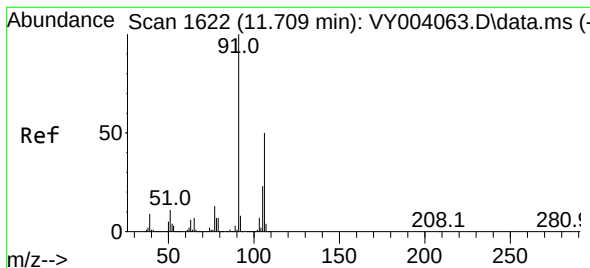
Tgt Ion:117 Resp: 272809
Ion Ratio Lower Upper
117 100
82 51.3 43.8 65.6
119 32.6 26.2 39.2



#67
Ethyl Benzene
Concen: 2.81 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 91 Resp: 26969
Ion Ratio Lower Upper
91 100
106 33.4 24.5 36.7

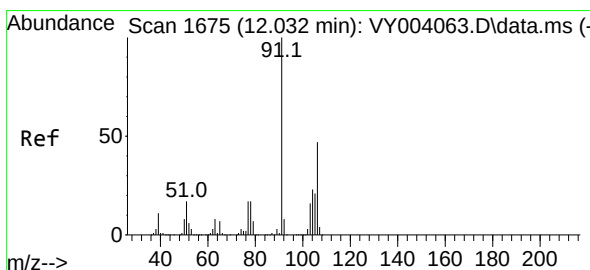
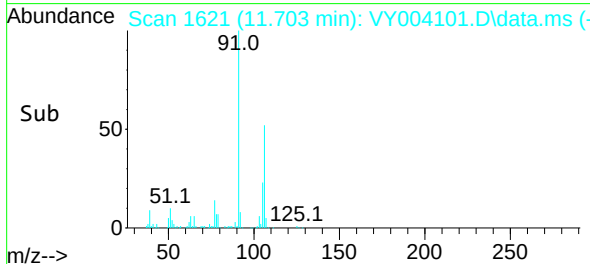
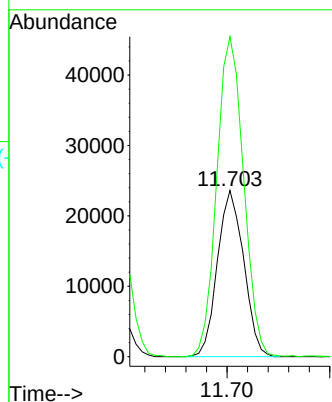
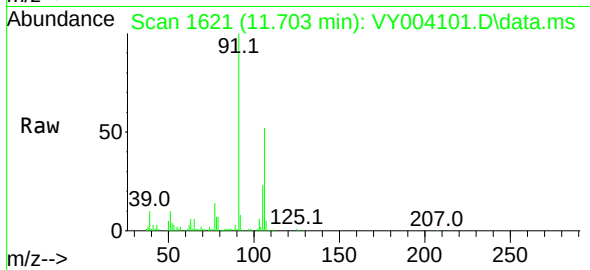




#68
m/p-Xylenes
Concen: 11.45 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

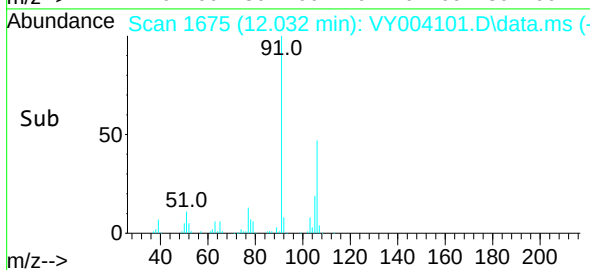
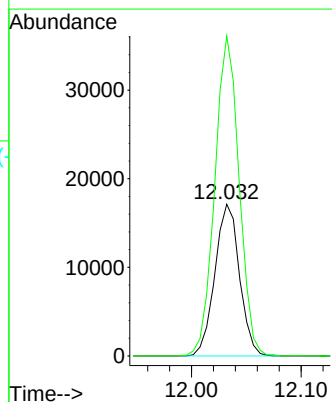
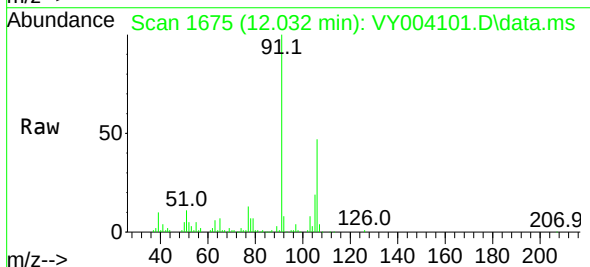
Instrument :
MSVOA_Y
ClientSampleId :

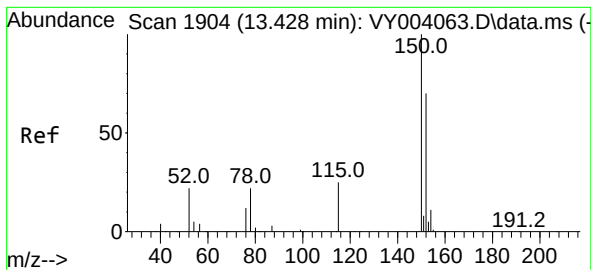
Tgt Ion:106 Resp: 41899
Ion Ratio Lower Upper
106 100
91 196.8 165.4 248.0



#69
o-Xylene
Concen: 7.71 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion:106 Resp: 26667
Ion Ratio Lower Upper
106 100
91 208.5 108.9 326.7

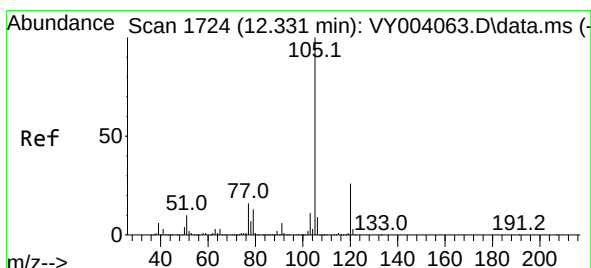
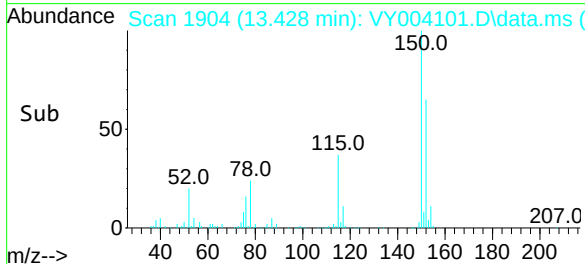
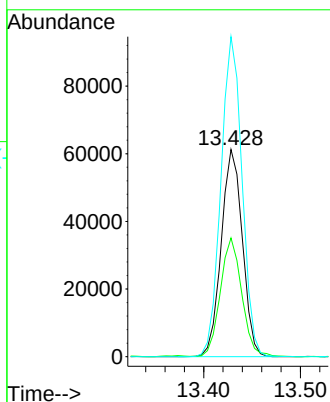
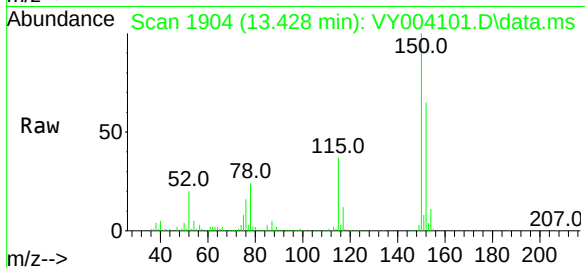




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

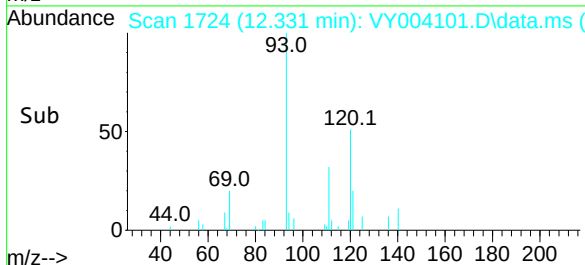
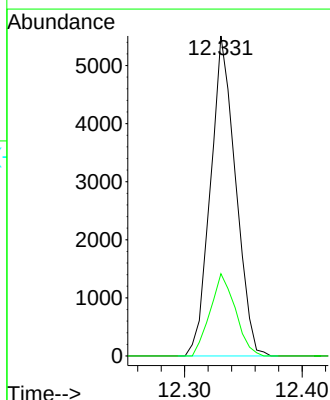
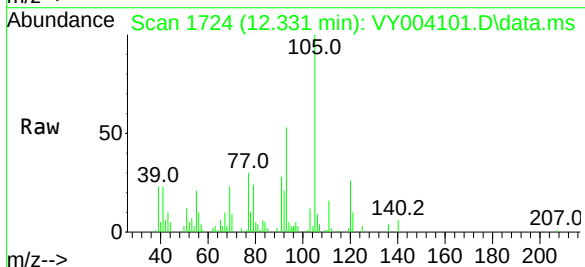
Instrument :
MSVOA_Y
ClientSampleId :

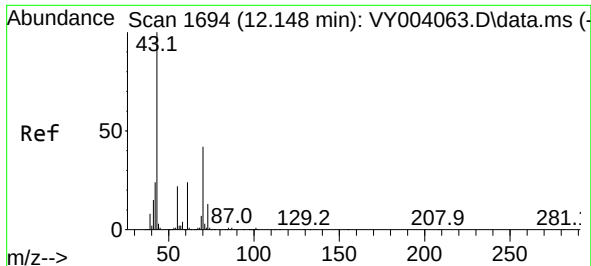
Tgt Ion:152 Resp: 92878
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.6
150 154.2 0.0 347.2



#73
Isopropylbenzene
Concen: 1.27 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion:105 Resp: 8171
Ion Ratio Lower Upper
105 100
120 25.8 13.3 39.9

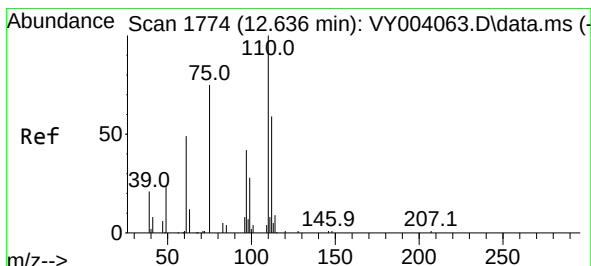
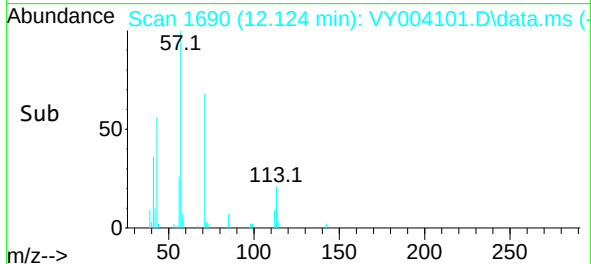
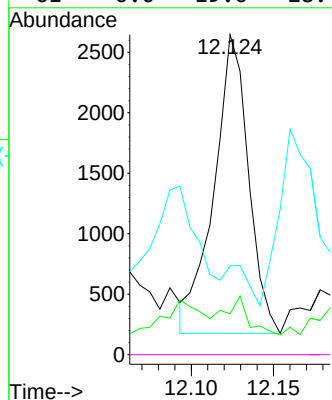
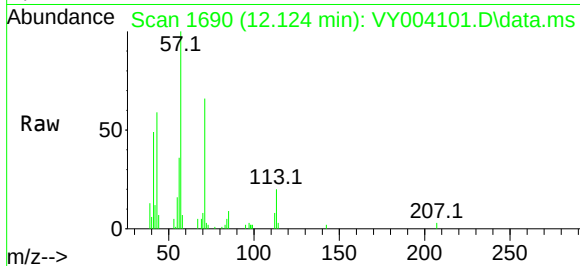




#74
N-amy1 acetate
Concen: 1.94 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

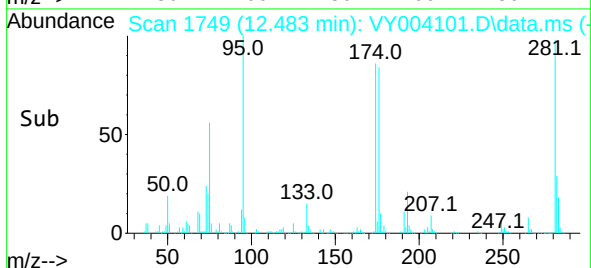
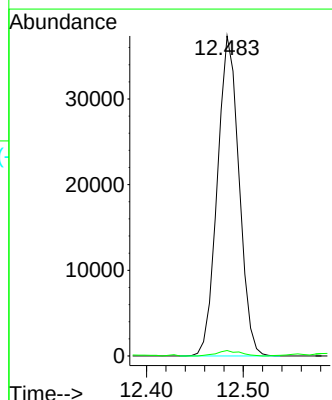
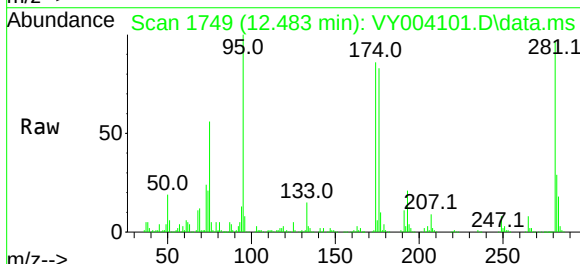
Instrument :
MSVOA_Y
ClientSampleId :

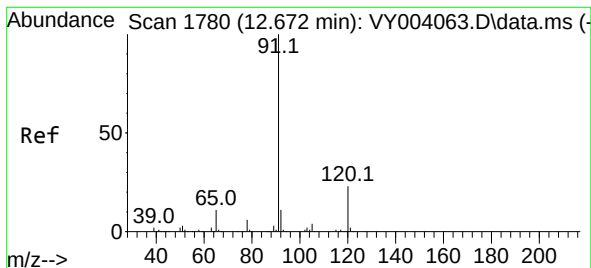
Tgt Ion: 43	Resp: 3595
Ion Ratio	Lower Upper
43 100	
70 8.8	32.3 48.5#
55 0.0	18.4 27.6#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 65.22 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Tgt Ion: 75	Resp: 58085
Ion Ratio	Lower Upper
75 100	
77 1.8	0.0 0.0#

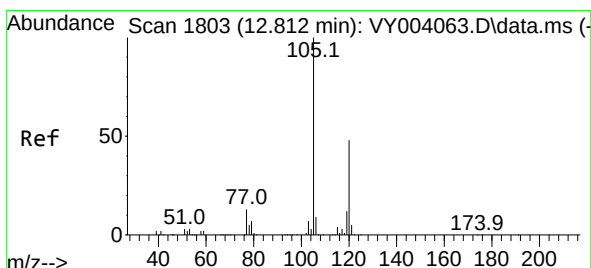
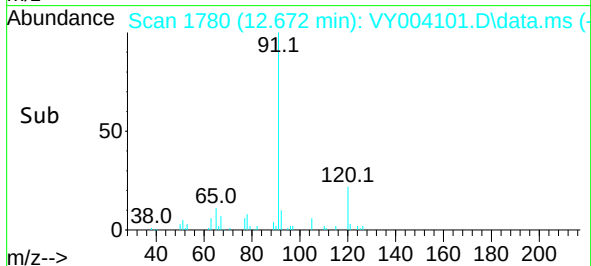
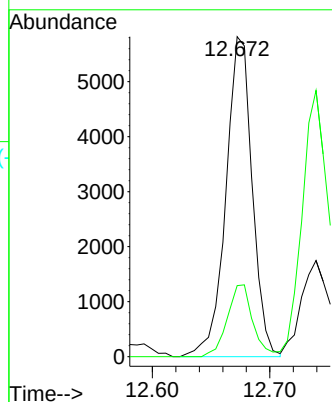
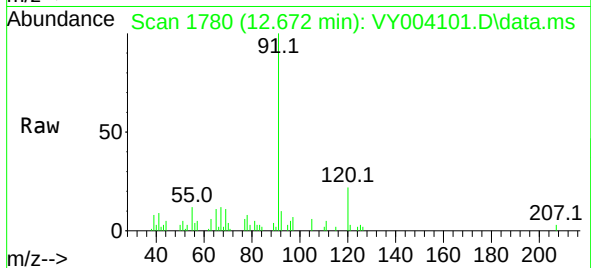




#78
n-propylbenzene
Concen: 1.19 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

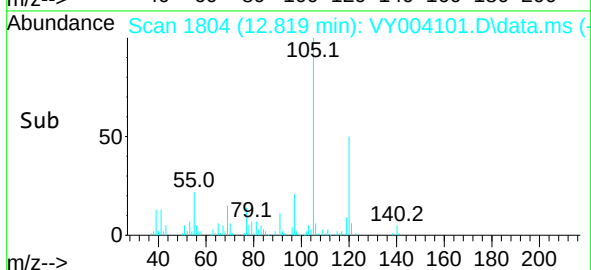
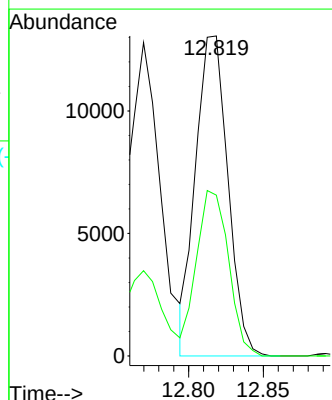
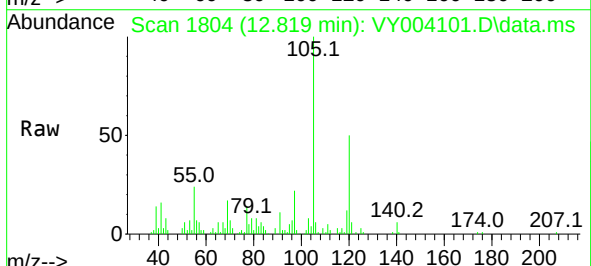
Instrument :
MSVOA_Y
ClientSampleId :

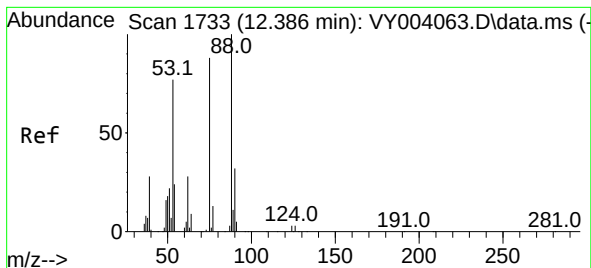
Tgt Ion: 91 Resp: 9082
Ion Ratio Lower Upper
91 100
120 21.6 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 3.58 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.007 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

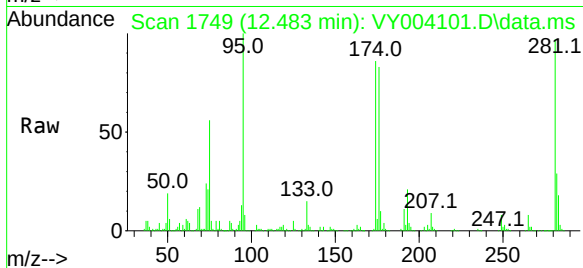
Tgt Ion: 105 Resp: 19613
Ion Ratio Lower Upper
105 100
120 51.4 24.1 72.2



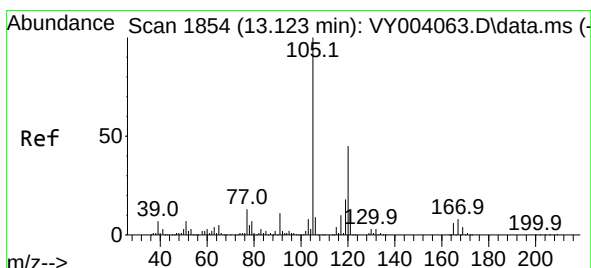
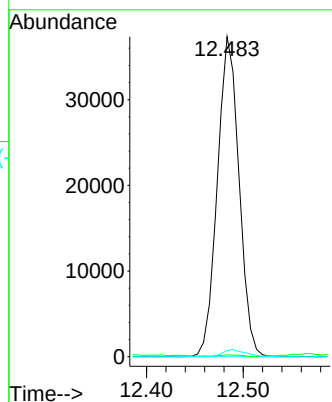
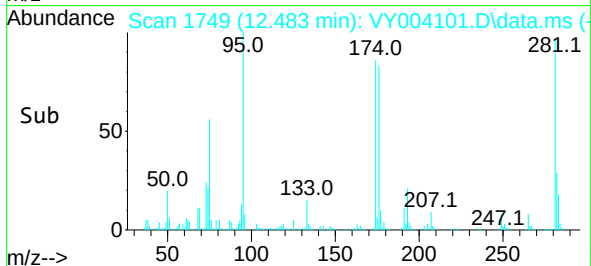


#81
trans-1,4-Dichloro-2-butene
Concen: 128.72 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

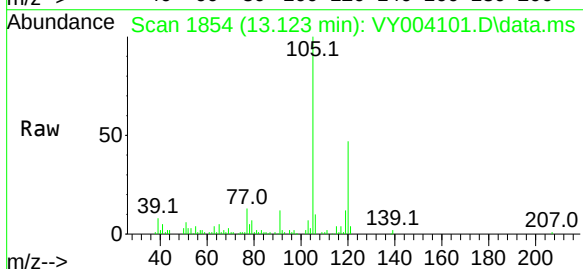
Instrument :
MSVOA_Y
ClientSampled :



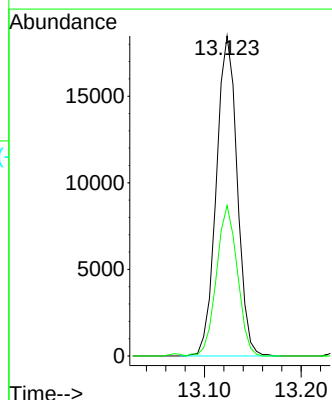
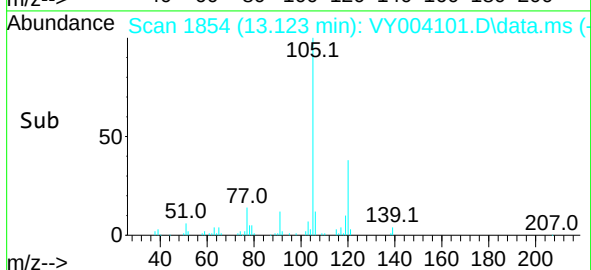
Tgt Ion: 75 Resp: 58085
Ion Ratio Lower Upper
75 100
53 0.6 73.5 110.3#
89 2.2 35.7 53.5#

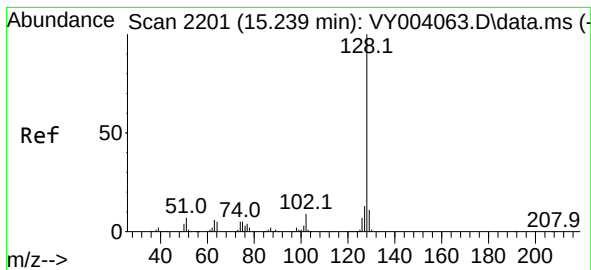


#84
1,2,4-Trimethylbenzene
Concen: 5.05 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24



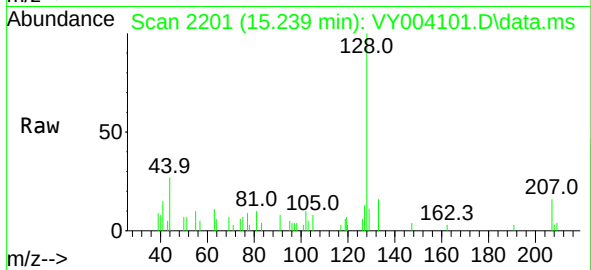
Tgt Ion: 105 Resp: 27664
Ion Ratio Lower Upper
105 100
120 47.1 22.1 66.3





#95
Naphthalene
Concen: 1.02 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004101.D
Acq: 17 Mar 2021 14:24

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 3512
Ion Ratio Lower Upper
128 100
127 11.6 10.6 16.0
129 12.2 8.7 13.1

