

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004946.D
 Acq On : 03 Jun 2021 18:55
 Operator : SY/MD
 Sample : M2589-16
 Misc : 14.78G/5ML/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 04 01:19:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

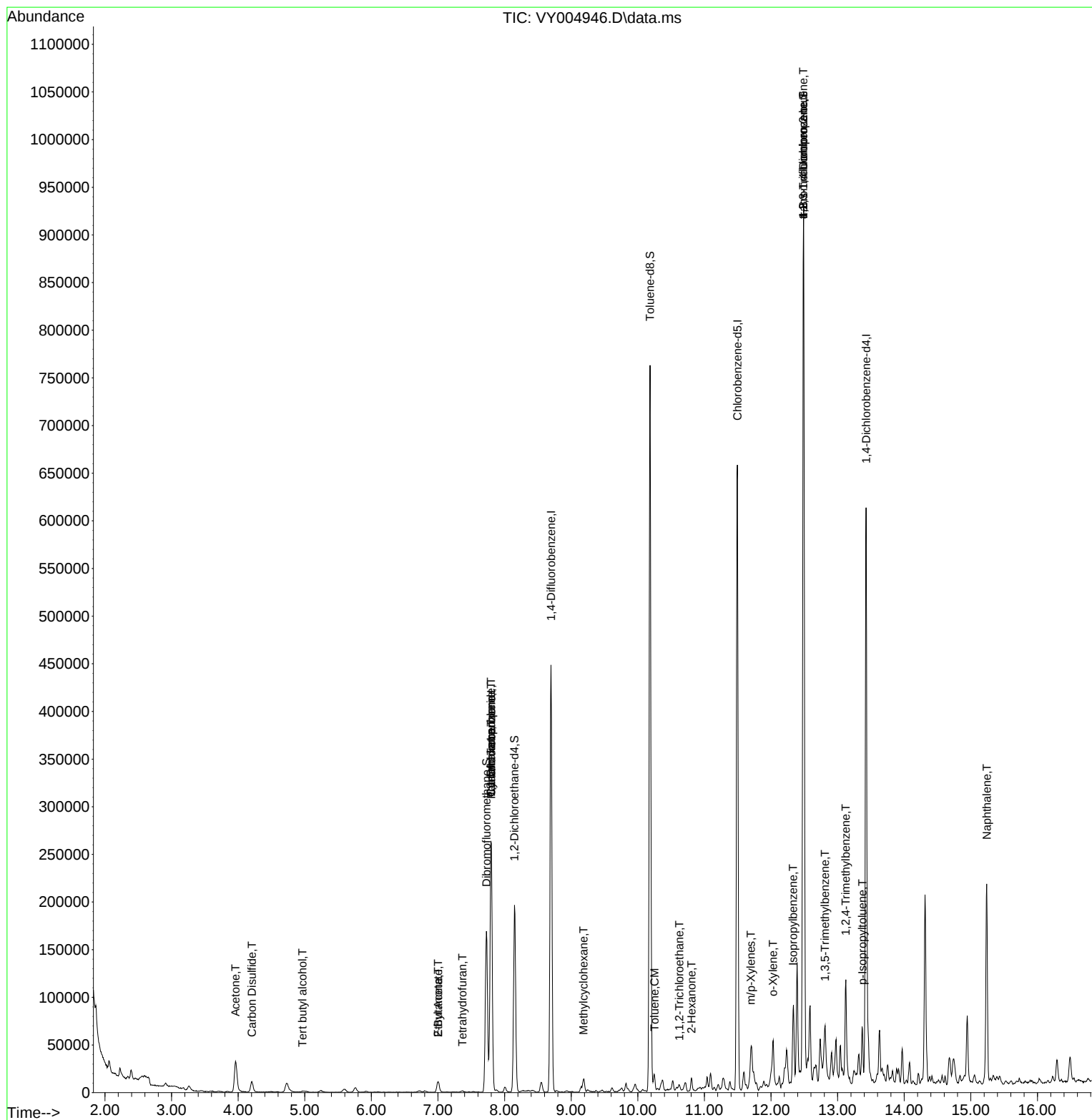
Internal Standards						
1) Pentafluorobenzene	7.801	168	200180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	369754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	348547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148424	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	147024	69.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.94%			
35) Dibromofluoromethane	7.728	113	121044	60.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.70%			
50) Toluene-d8	10.185	98	468790	56.74	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.48%			
62) 4-Bromofluorobenzene	12.483	95	165651	58.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.60%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	2719	11.17	ug/l #	78
13) Acrolein	3.741	56	364	Below Cal	#	15
16) Acetone	3.960	43	58865	115.55	ug/l	98
17) Carbon Disulfide	4.204	76	21829	3.45	ug/l	97
20) Methylene Chloride	4.722	84	6638	Below Cal	#	92
25) 2-Butanone	7.002	43	17839	20.82	ug/l	97
29) Tetrahydrofuran	7.368	42	897	1.65	ug/l #	74
31) Cyclohexane	7.795	56	7131	1.91	ug/l #	14
36) 1,1-Dichloropropene	7.795	75	16643	4.60	ug/l #	49
37) Ethyl Acetate	7.002	43	17839	7.49	ug/l #	80
38) Carbon Tetrachloride	7.795	117	20310	6.45	ug/l #	15
39) Methylcyclohexane	9.185	83	5606	1.40	ug/l	91
52) Toluene	10.252	92	6411	1.02	ug/l	99
55) 1,1,2-Trichloroethane	10.623	97	2470	1.23	ug/l #	22
59) 2-Hexanone	10.806	43	9988	6.60	ug/l #	25
68) m/p-Xylenes	11.696	106	10492	2.19	ug/l	93
69) o-Xylene	12.032	106	11641	2.61	ug/l	97
73) Isopropylbenzene	12.330	105	26209	2.34	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	92420	56.80	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	15017	1.62	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	92420	104.39	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.123	105	54386	5.92	ug/l	98
86) p-Isopropyltoluene	13.373	119	29449	3.01	ug/l	99
95) Naphthalene	15.238	128	165278	28.41	ug/l	100

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

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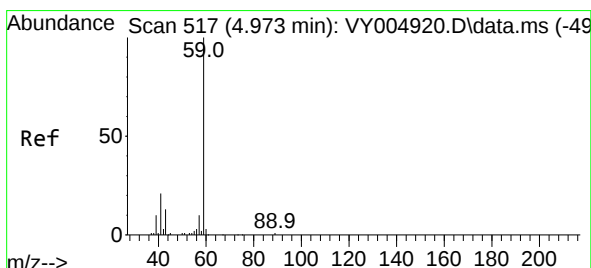
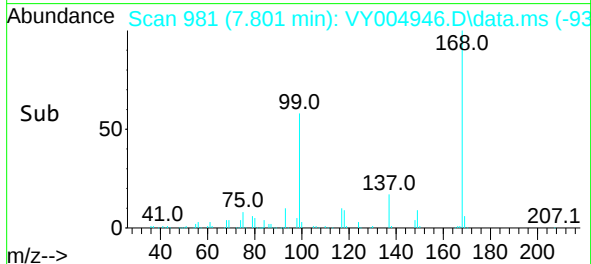
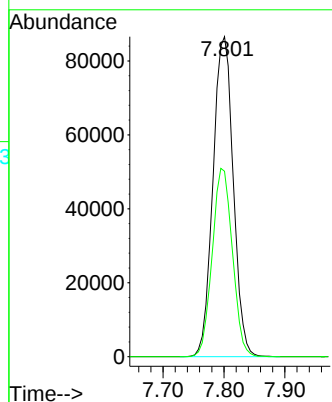
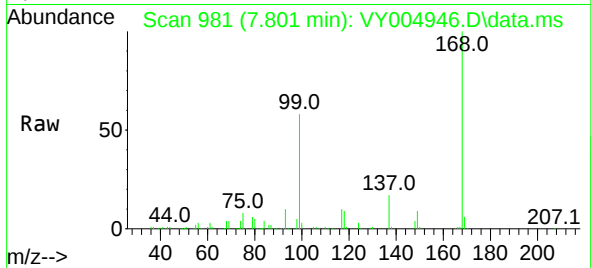




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

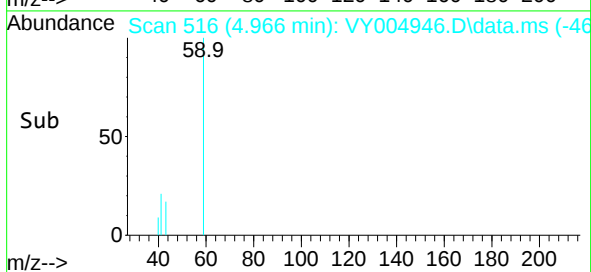
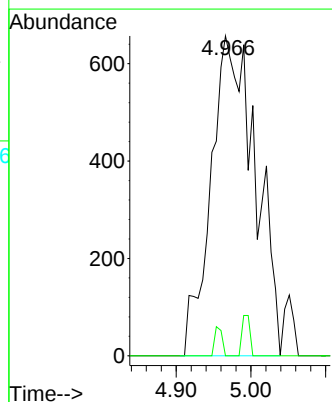
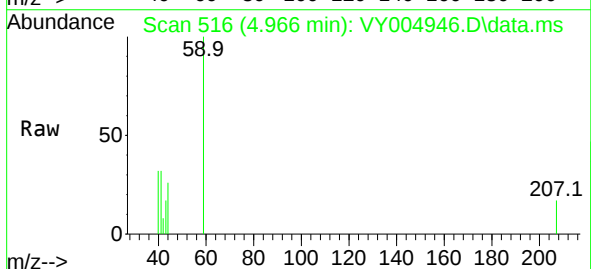
Instrument :
MSVOA_Y
ClientSampled :

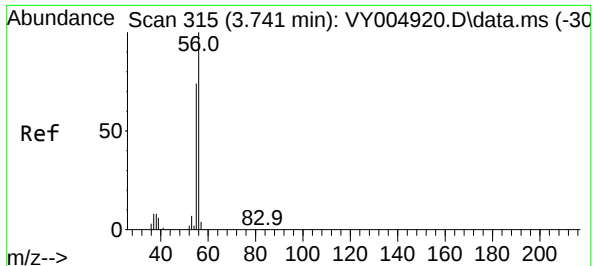
Tgt Ion:168 Resp: 200180
Ion Ratio Lower Upper
168 100
99 57.9 43.9 65.9



#11
Tert butyl alcohol
Concen: 11.17 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.007 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

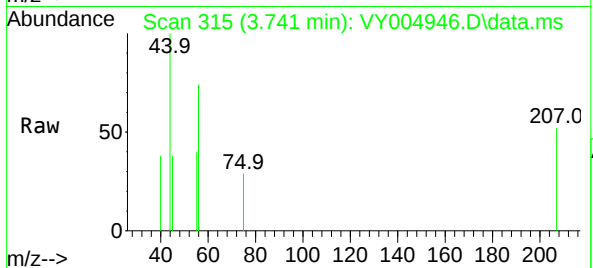
Tgt Ion: 59 Resp: 2719
Ion Ratio Lower Upper
59 100
57 1.5 7.7 11.5#



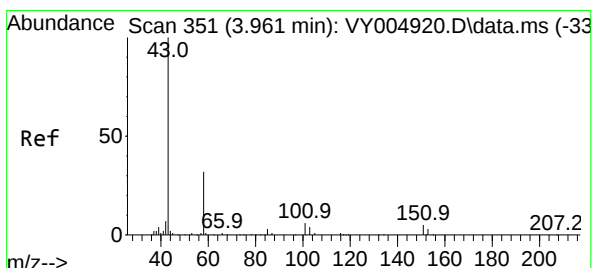
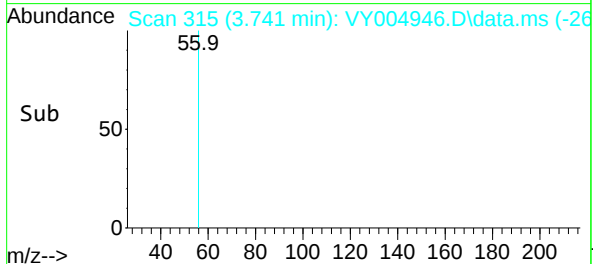
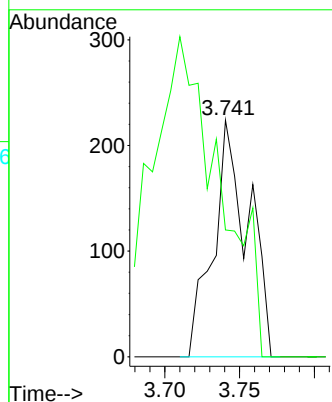


#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Instrument :
MSVOA_Y
ClientSampled :

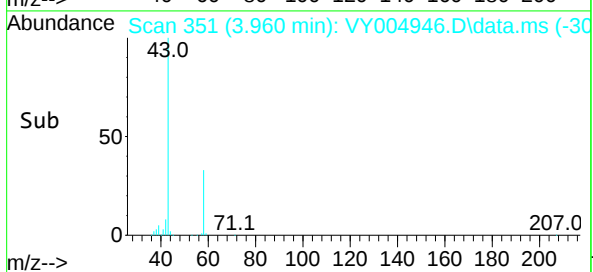
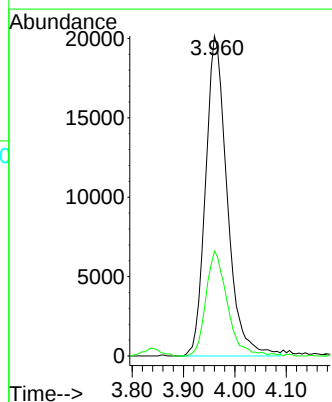
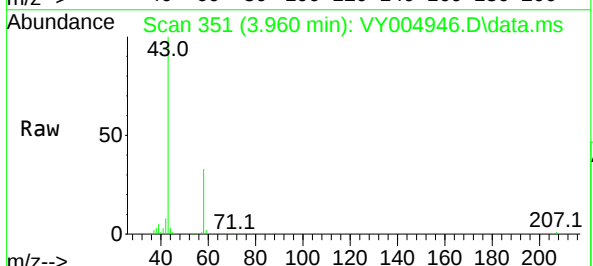


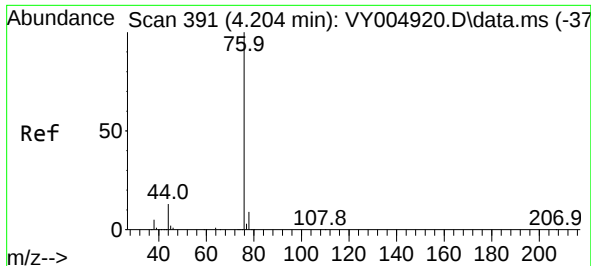
Tgt Ion: 56 Resp: 364
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



#16
Acetone
Concen: 115.55 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

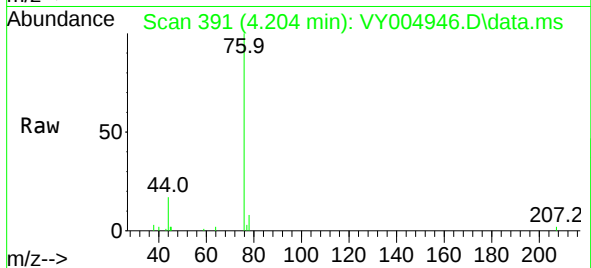
Tgt Ion: 43 Resp: 58865
Ion Ratio Lower Upper
43 100
58 32.7 25.3 37.9



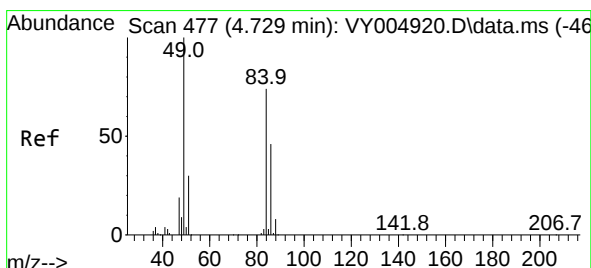
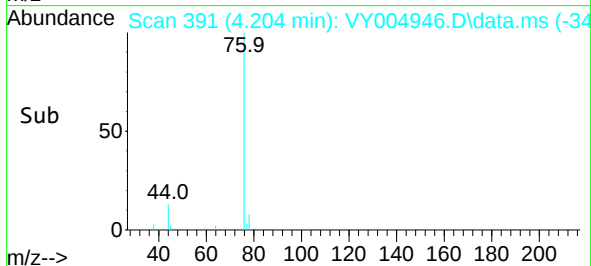
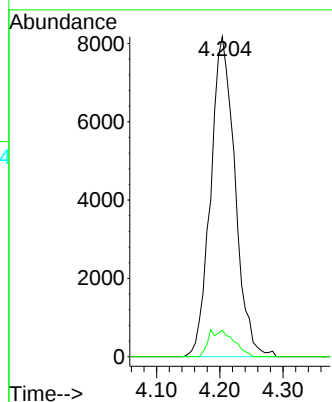


#17
Carbon Disulfide
Concen: 3.45 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Instrument :
MSVOA_Y
ClientSampled :

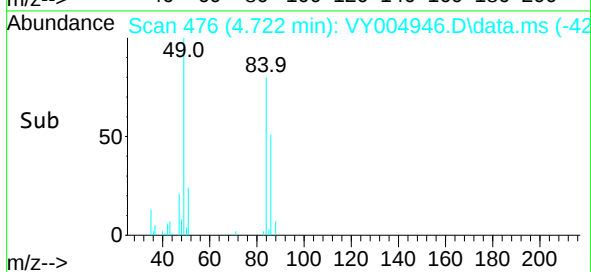
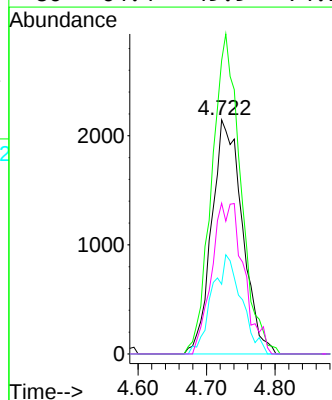
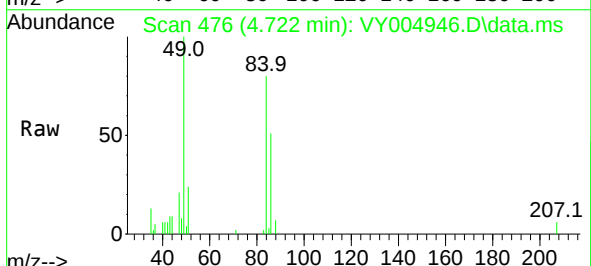


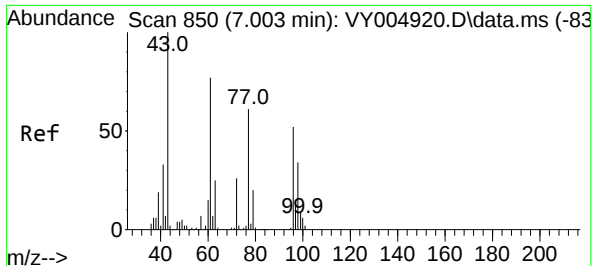
Tgt Ion: 76 Resp: 21829
Ion Ratio Lower Upper
76 100
78 8.2 7.6 11.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Tgt Ion: 84 Resp: 6638
Ion Ratio Lower Upper
84 100
49 125.4 108.0 162.0
51 29.8 32.6 48.8#
86 64.4 49.9 74.9





#25

2-Butanone

Concen: 20.82 ug/l

RT: 7.002 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY004946.D

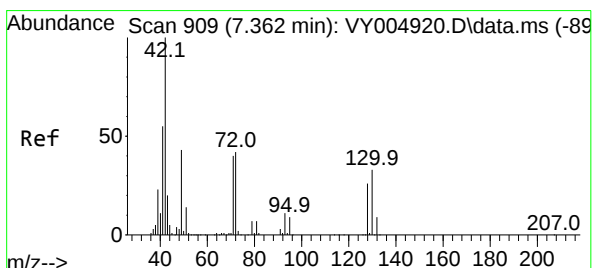
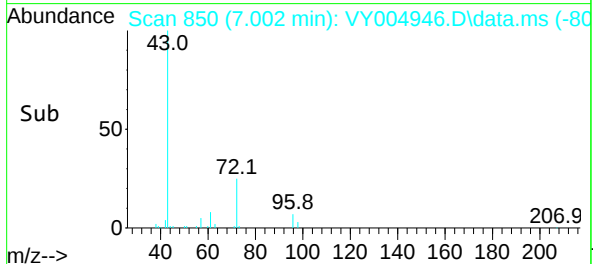
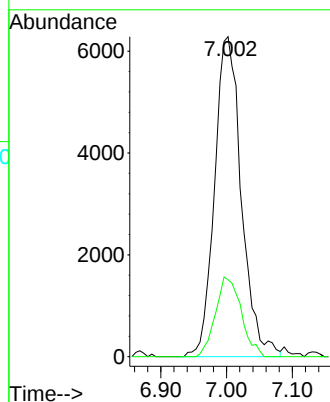
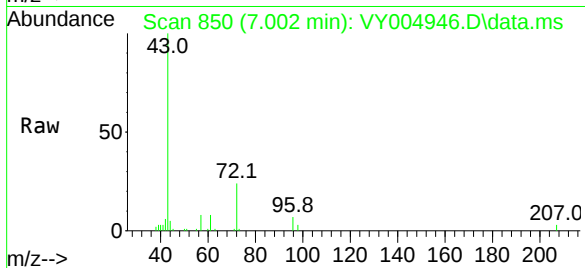
Acq: 03 Jun 2021 18:55

Tgt Ion: 43 Resp: 17839

Ion Ratio Lower Upper

43 100

72 24.0 20.6 31.0



#29

Tetrahydrofuran

Concen: 1.65 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY004946.D

Acq: 03 Jun 2021 18:55

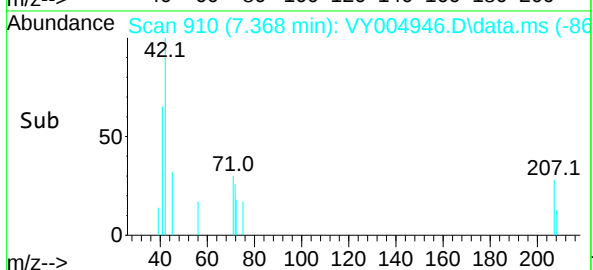
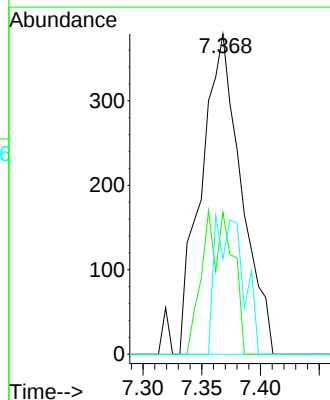
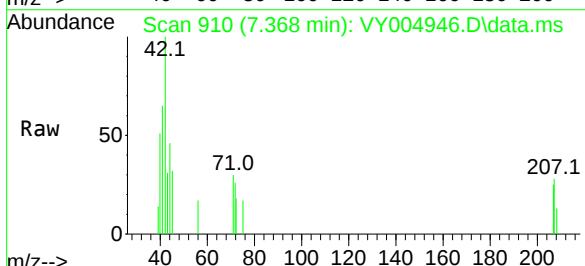
Tgt Ion: 42 Resp: 897

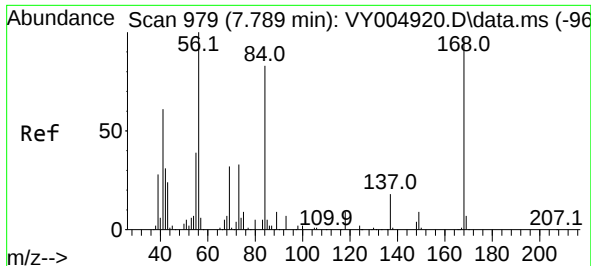
Ion Ratio Lower Upper

42 100

72 16.7 32.6 49.0#

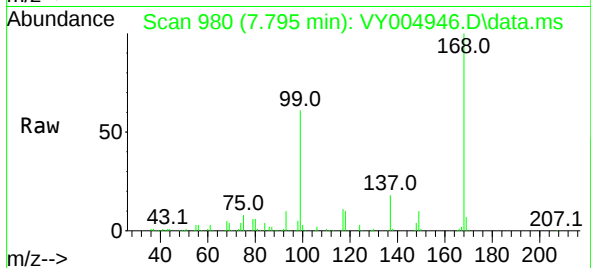
71 30.3 30.9 46.3#



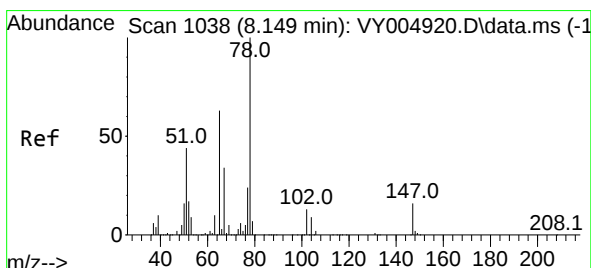
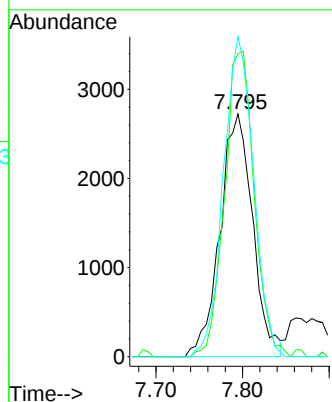
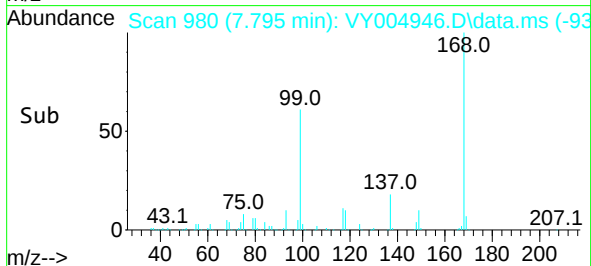


#31
Cyclohexane
Concen: 1.91 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

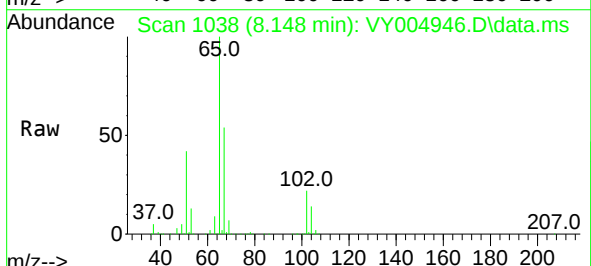
Instrument :
MSVOA_Y
ClientSampled :



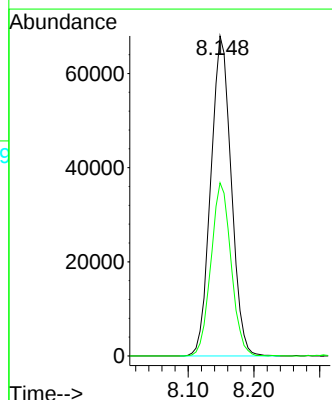
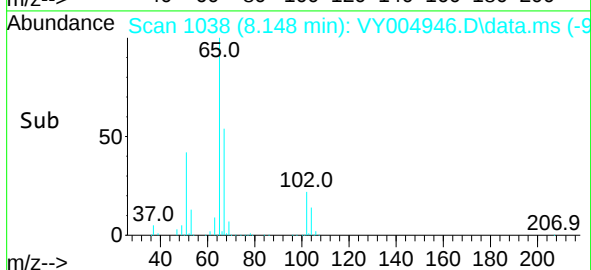
Tgt Ion: 56 Resp: 7131
Ion Ratio Lower Upper
56 100
69 124.9 25.3 37.9#
84 131.8 66.2 99.4#

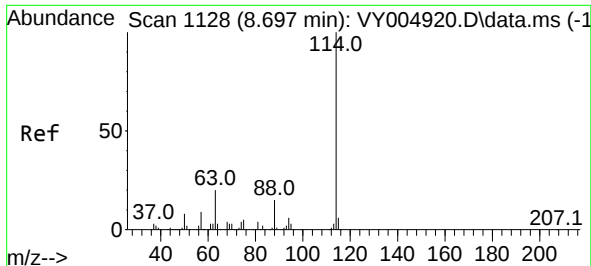


#33
1,2-Dichloroethane-d4
Concen: 69.47 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55



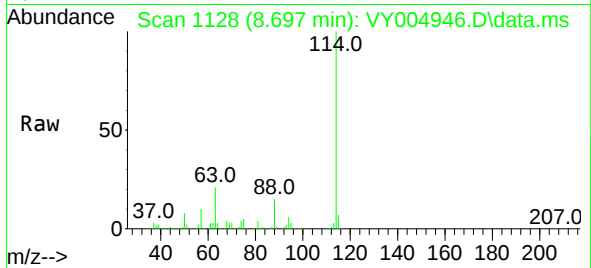
Tgt Ion: 65 Resp: 147024
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.6



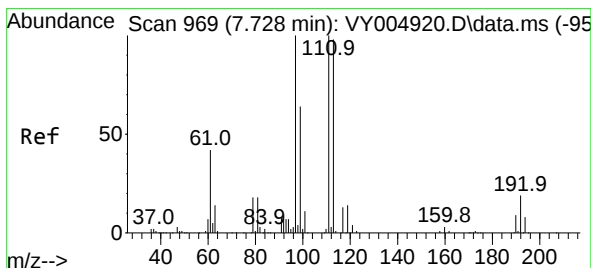
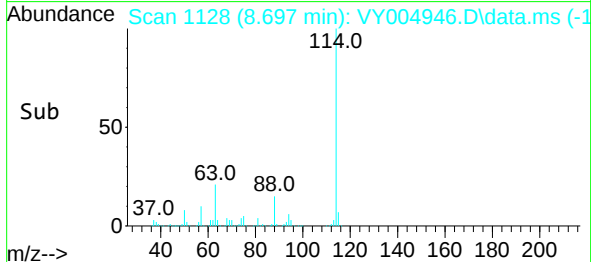
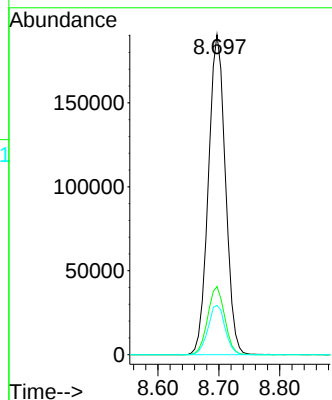


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Instrument :
MSVOA_Y
ClientSampled :

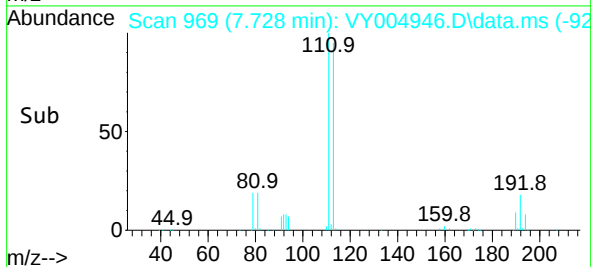
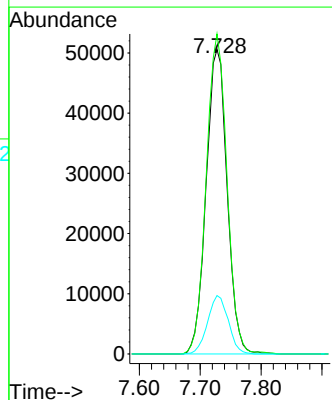
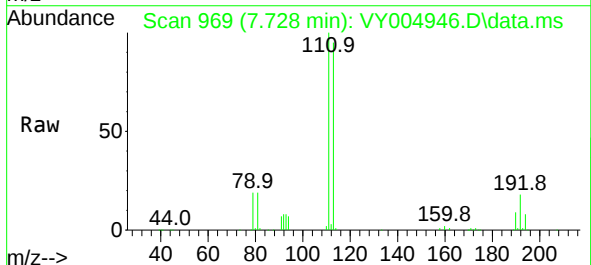


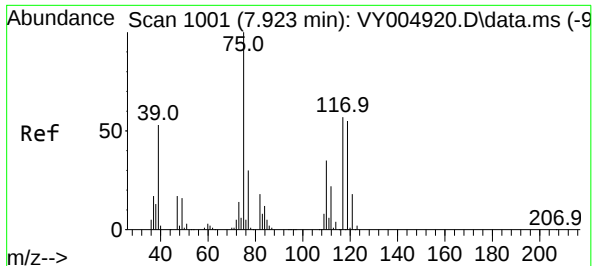
Tgt Ion:114 Resp: 369754
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.0
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 60.85 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

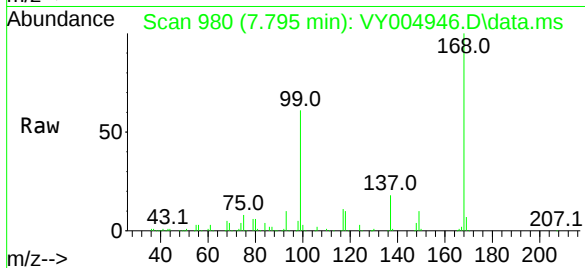
Tgt Ion:113 Resp: 121044
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.8
192 18.9 15.3 22.9



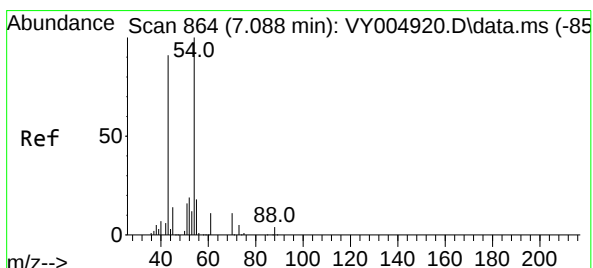
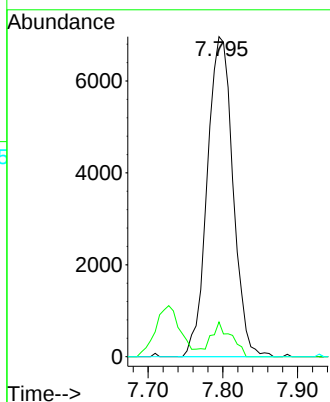
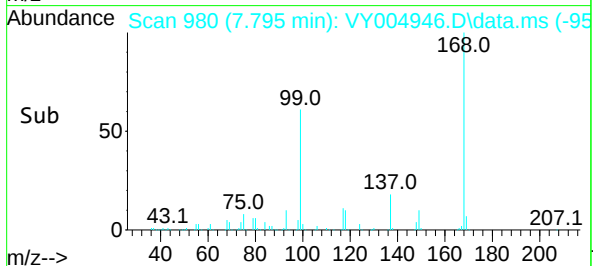


#36
1,1-Dichloropropene
Concen: 4.60 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

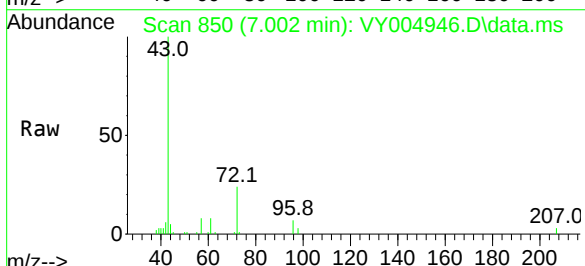
Instrument :
MSVOA_Y
ClientSampled :



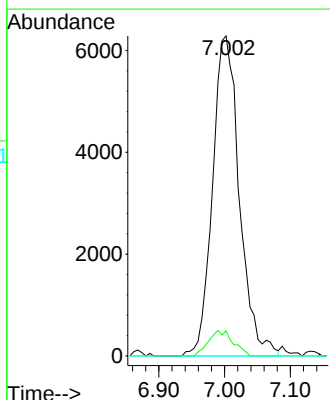
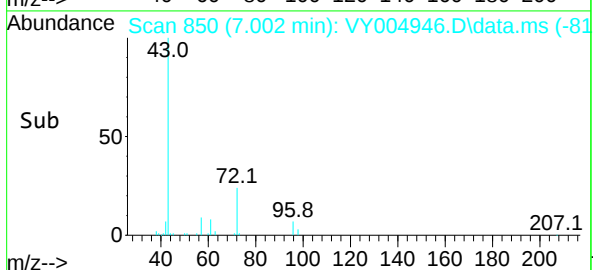
Tgt Ion: 75 Resp: 16643
Ion Ratio Lower Upper
75 100
110 8.7 17.5 52.5#
77 0.0 25.1 37.7#

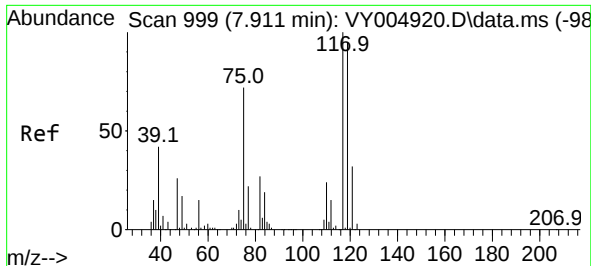


#37
Ethyl Acetate
Concen: 7.49 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.086 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55



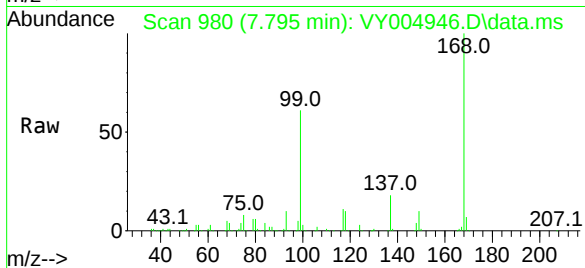
Tgt Ion: 43 Resp: 17839
Ion Ratio Lower Upper
43 100
61 7.3 10.5 15.7#
70 0.0 7.9 11.9#



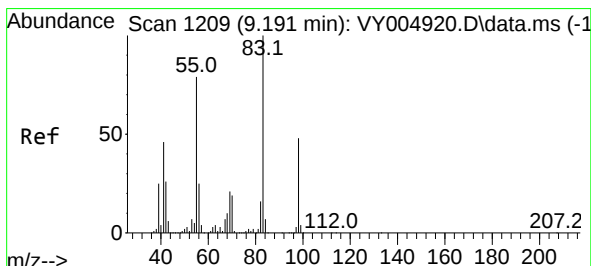
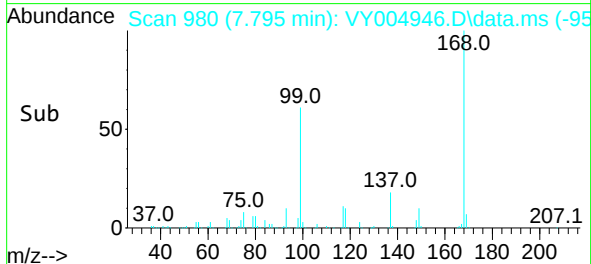
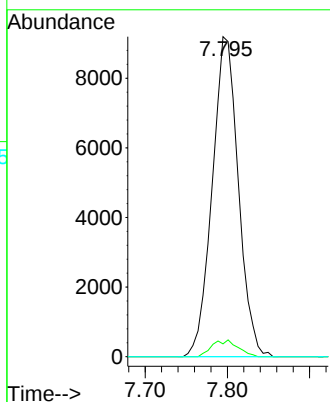


#38
Carbon Tetrachloride
Concen: 6.45 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Instrument :
MSVOA_Y
ClientSampleId :

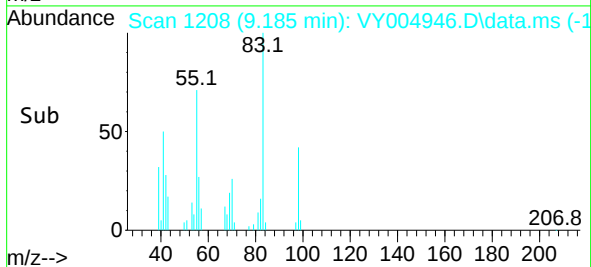
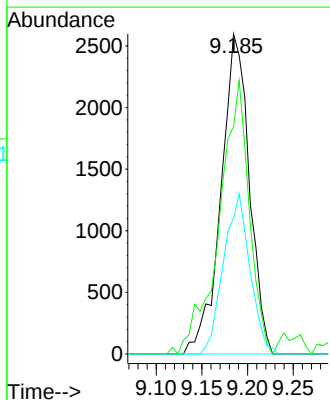
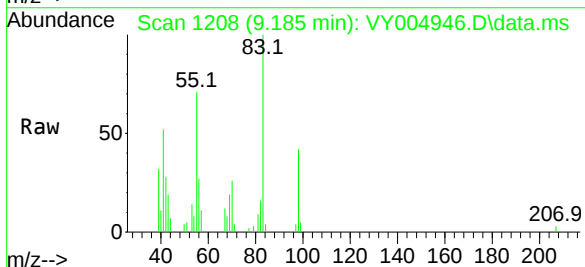


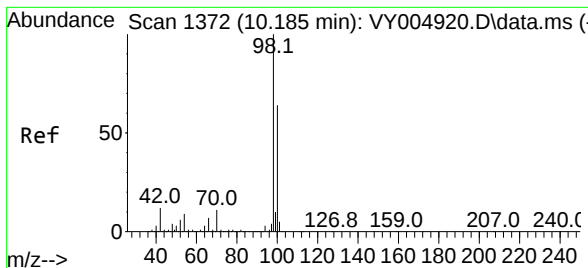
Tgt Ion:117 Resp: 20310
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 1.40 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.007 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Tgt Ion: 83 Resp: 5606
Ion Ratio Lower Upper
83 100
55 71.1 63.1 94.7
98 42.4 38.6 58.0

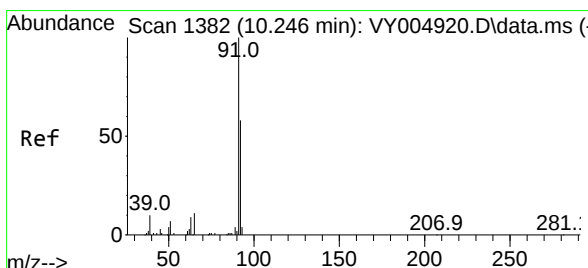
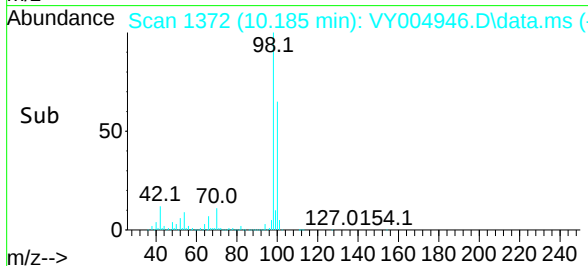
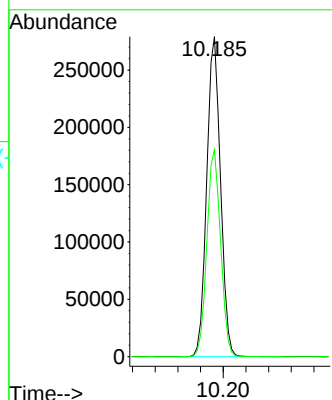
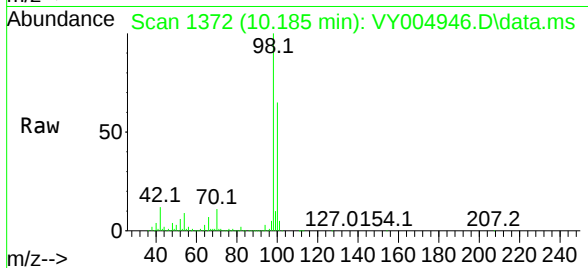




#50
Toluene-d8
Concen: 56.74 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

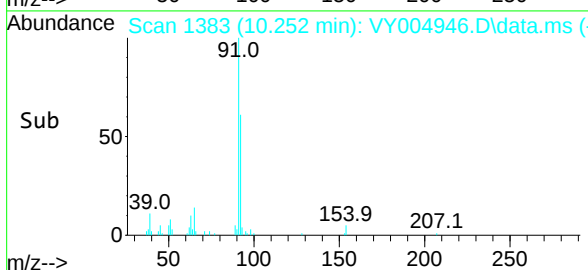
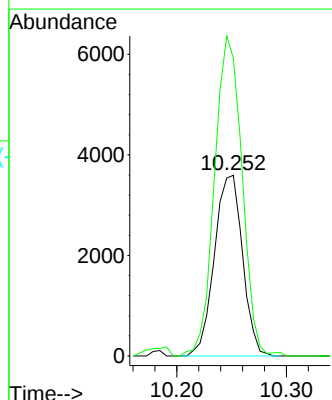
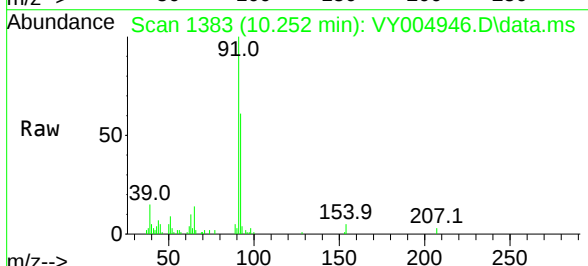
Instrument :
MSVOA_Y
ClientSampled :

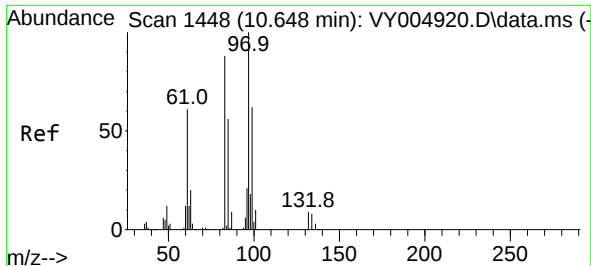
Tgt Ion: 98 Resp: 468790
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#52
Toluene
Concen: 1.02 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

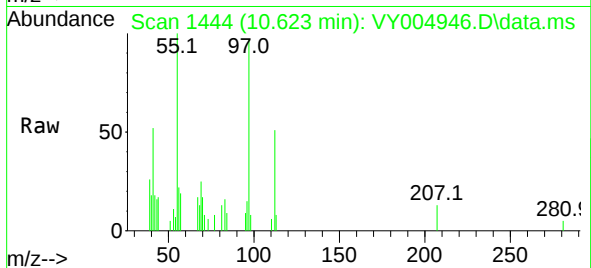
Tgt Ion: 92 Resp: 6411
Ion Ratio Lower Upper
92 100
91 173.1 139.3 208.9



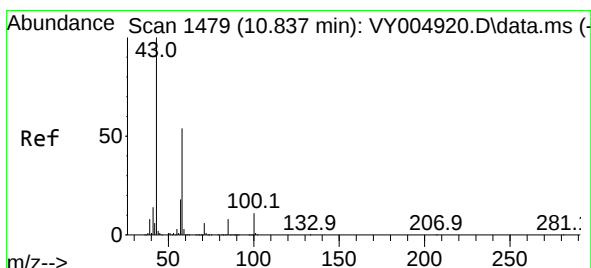
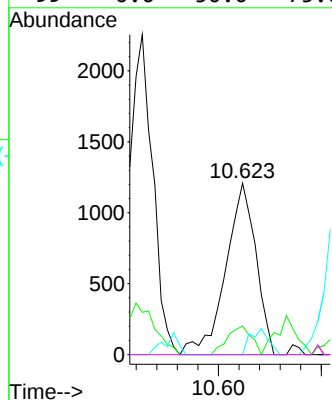
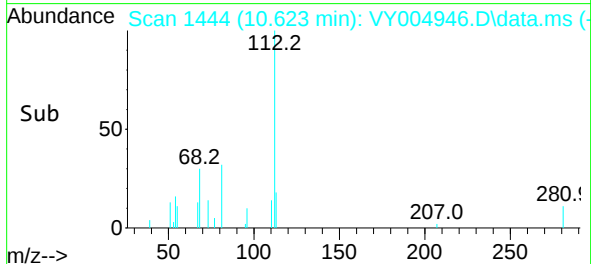


#55
1,1,2-Trichloroethane
Concen: 1.23 ug/l
RT: 10.623 min Scan# 1444
Delta R.T. -0.025 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

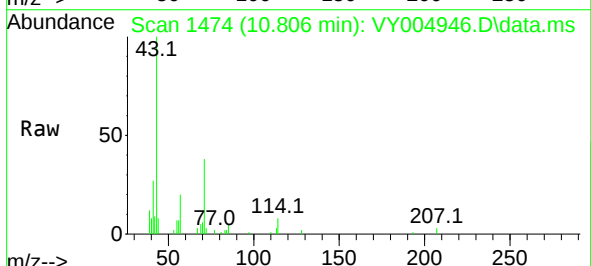
Instrument :
MSVOA_Y
ClientSampled :



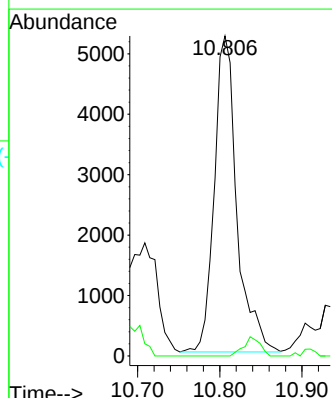
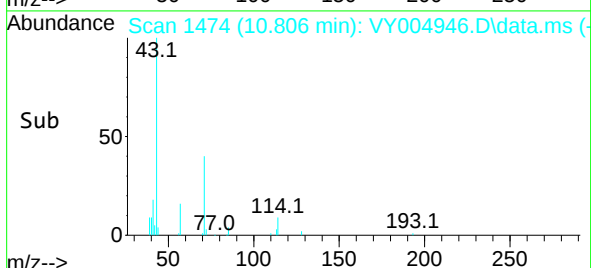
Tgt Ion:	97	Resp:	2470
Ion	Ratio	Lower	Upper
97	100		
83	16.6	70.3	105.5#
85	0.0	44.6	66.8#
99	0.0	50.0	75.0#

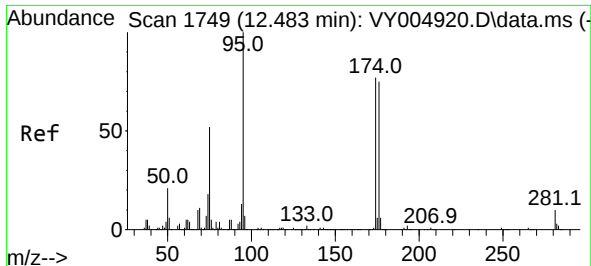


#59
2-Hexanone
Concen: 6.60 ug/l
RT: 10.806 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55



Tgt Ion:	43	Resp:	9988
Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.0	80.8#

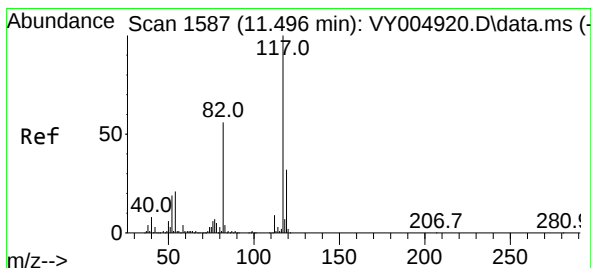
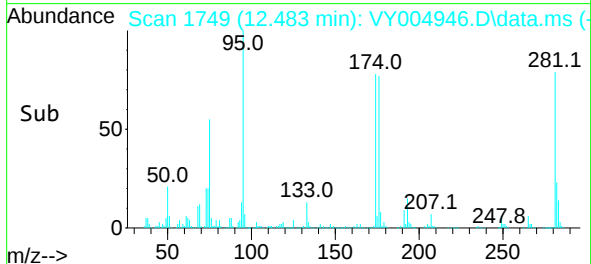
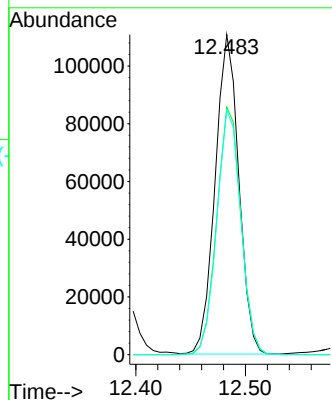
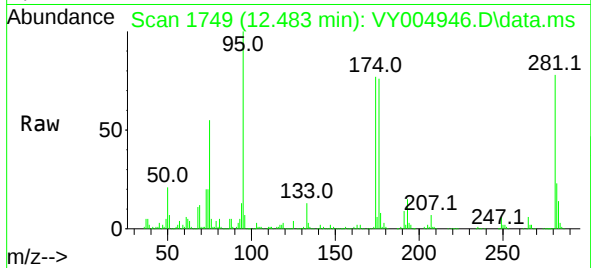




#62
4-Bromofluorobenzene
Concen: 58.30 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

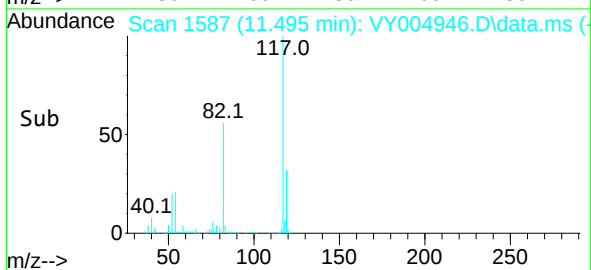
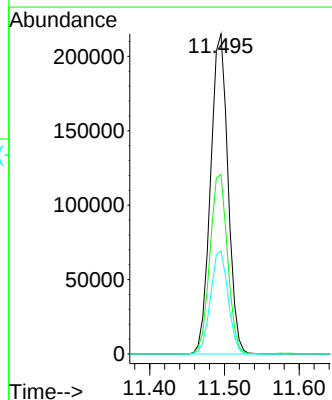
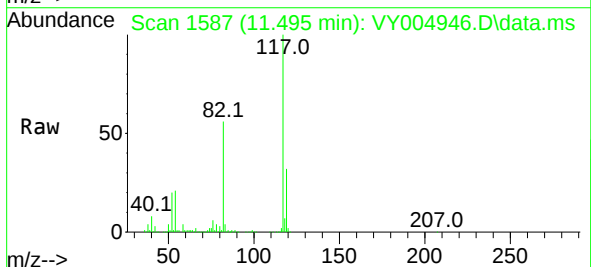
Instrument :
MSVOA_Y
ClientSampled :

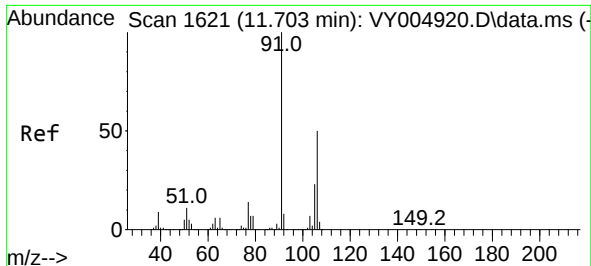
Tgt Ion: 95 Resp: 165651
Ion Ratio Lower Upper
95 100
174 79.4 0.0 160.8
176 78.1 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Tgt Ion: 117 Resp: 348547
Ion Ratio Lower Upper
117 100
82 56.0 44.8 67.2
119 32.2 25.2 37.8

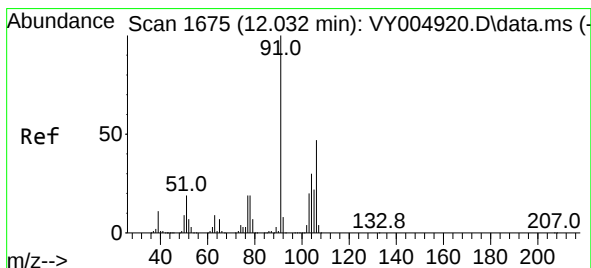
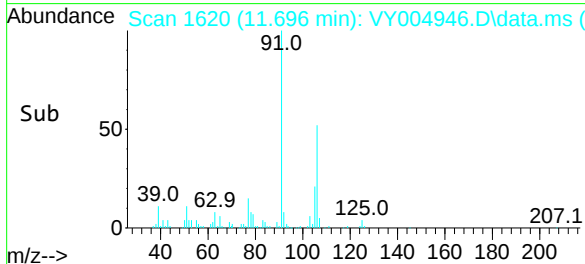
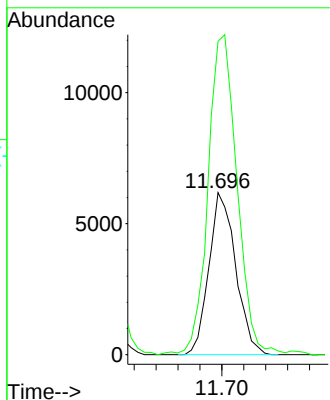
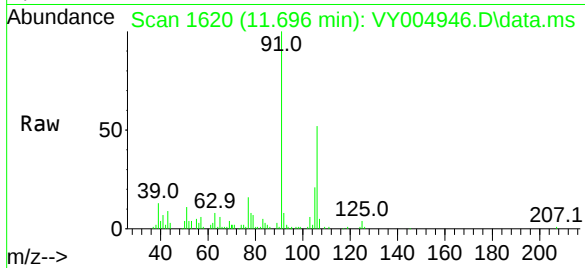




#68
m/p-Xylenes
Concen: 2.19 ug/l
RT: 11.696 min Scan# 1620
Delta R.T. -0.007 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

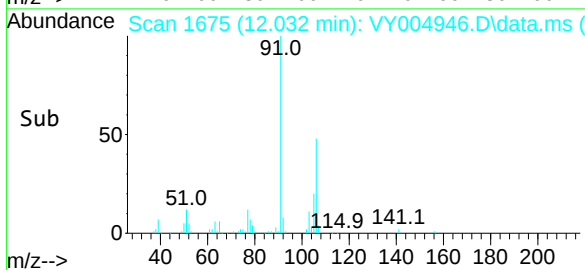
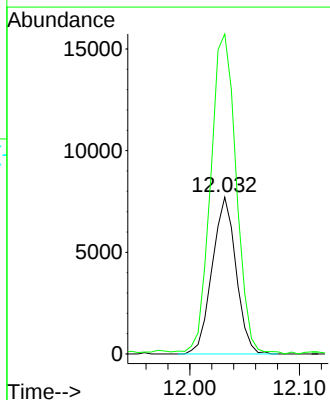
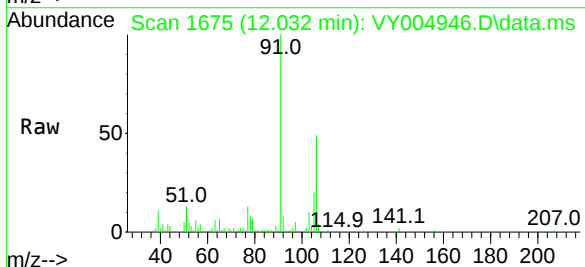
Instrument :
MSVOA_Y
ClientSampled :

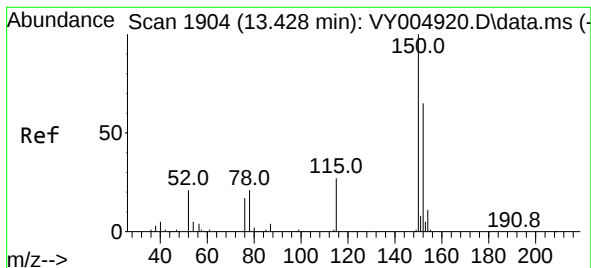
Tgt Ion:106 Resp: 10492
Ion Ratio Lower Upper
106 100
91 213.3 161.9 242.9



#69
o-Xylene
Concen: 2.61 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Tgt Ion:106 Resp: 11641
Ion Ratio Lower Upper
106 100
91 220.0 108.0 324.0

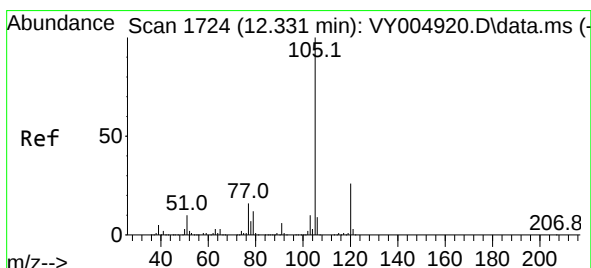
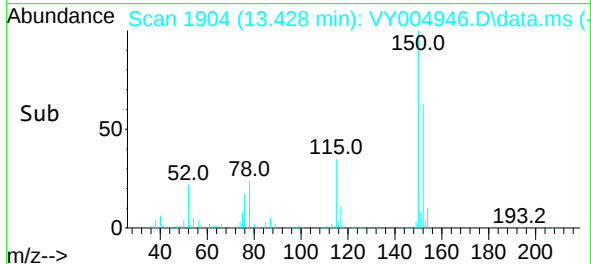
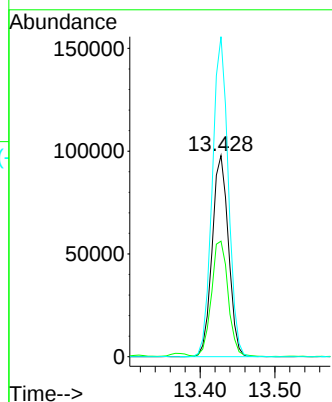
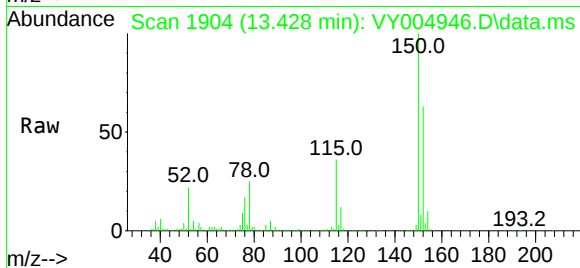




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

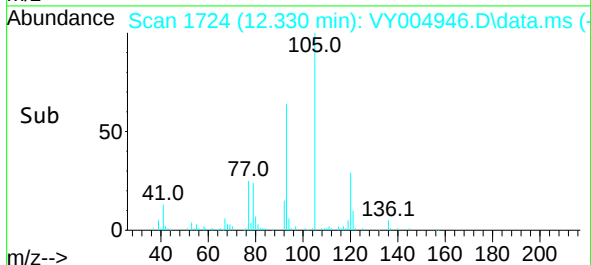
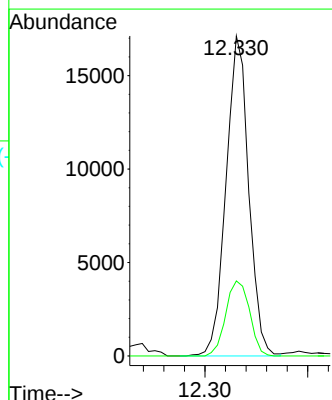
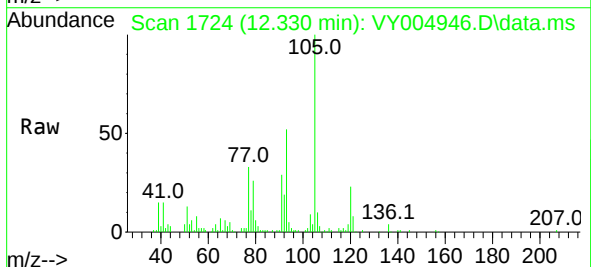
Instrument :
MSVOA_Y
ClientSampled :

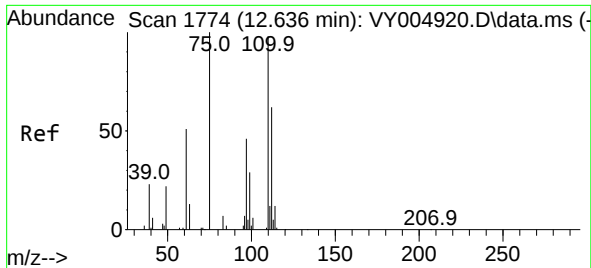
Tgt Ion:152 Resp: 148424
Ion Ratio Lower Upper
152 100
115 58.8 29.9 89.7
150 156.0 0.0 347.8



#73
Isopropylbenzene
Concen: 2.34 ug/l
RT: 12.330 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Tgt Ion:105 Resp: 26209
Ion Ratio Lower Upper
105 100
120 24.6 13.3 39.9

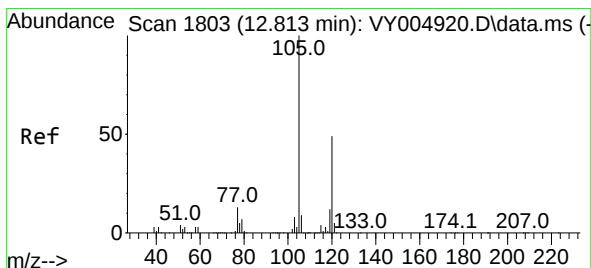
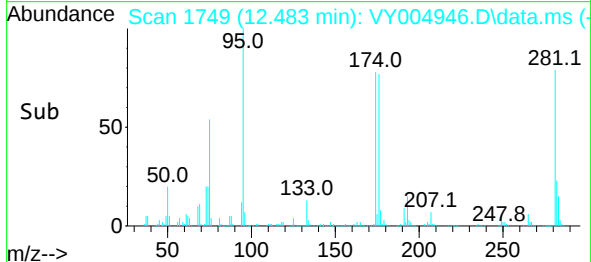
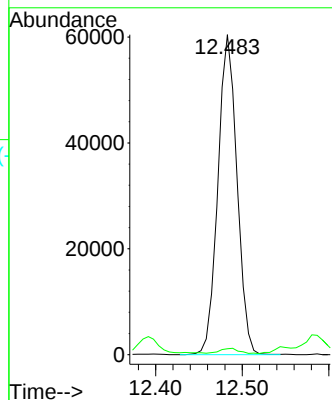
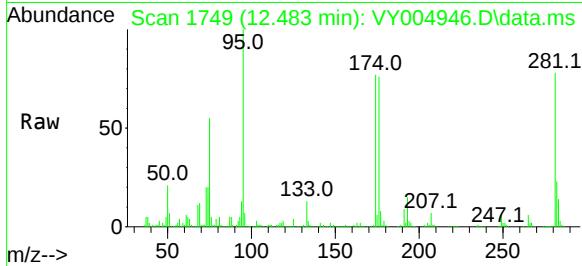




#76
1,2,3-Trichloropropane
Concen: 56.80 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

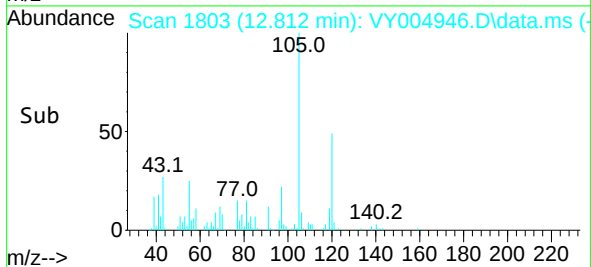
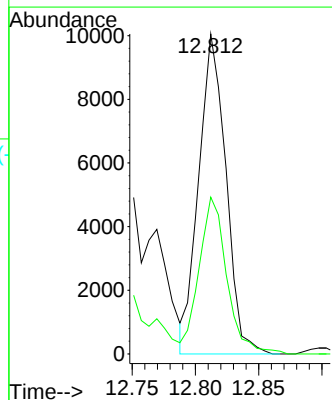
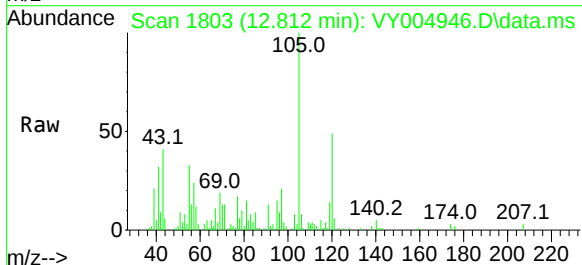
Instrument :
MSVOA_Y
ClientSampleId :

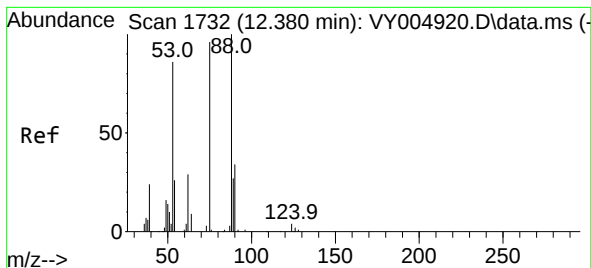
Tgt Ion: 75 Resp: 92420
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.62 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Tgt Ion: 105 Resp: 15017
Ion Ratio Lower Upper
105 100
120 50.2 24.5 73.5

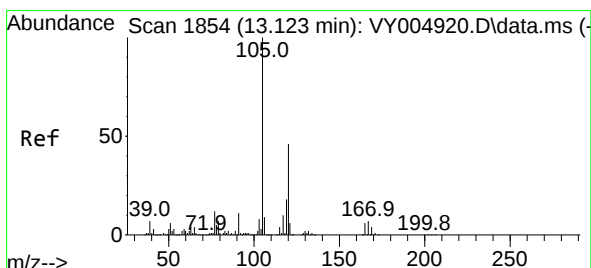
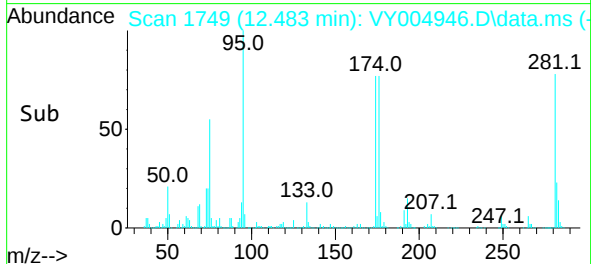
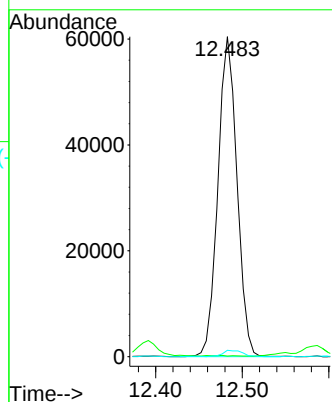
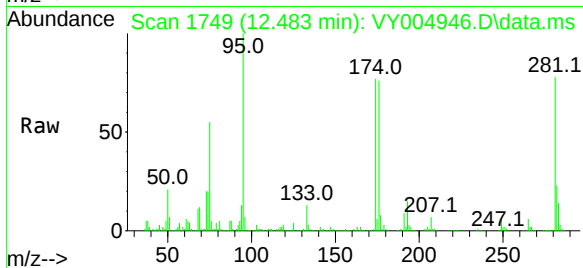




#81
trans-1,4-Dichloro-2-butene
Concen: 104.39 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

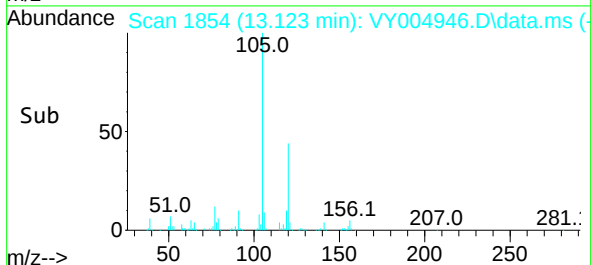
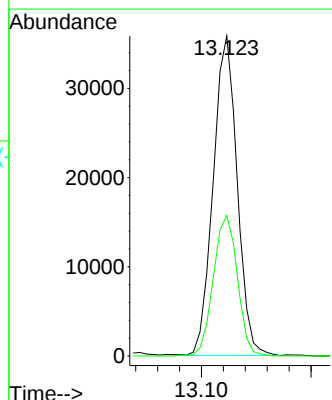
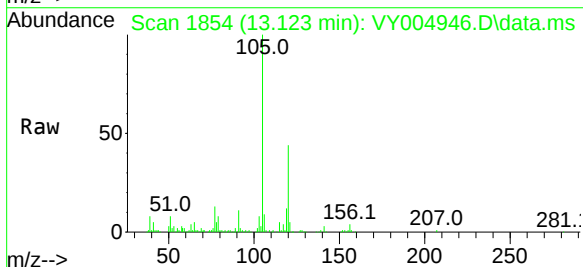
Instrument :
MSVOA_Y
ClientSampleId :

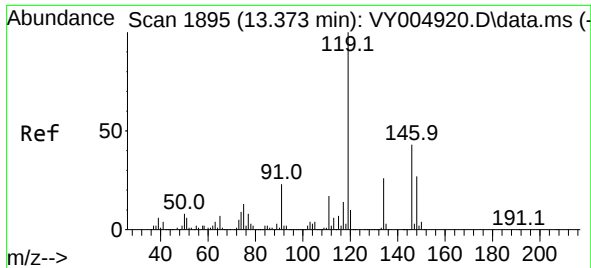
Tgt Ion: 75 Resp: 92420
Ion Ratio Lower Upper
75 100
53 0.0 69.3 103.9#
89 2.1 35.0 52.6#



#84
1,2,4-Trimethylbenzene
Concen: 5.92 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Tgt Ion: 105 Resp: 54386
Ion Ratio Lower Upper
105 100
120 44.1 22.6 67.7

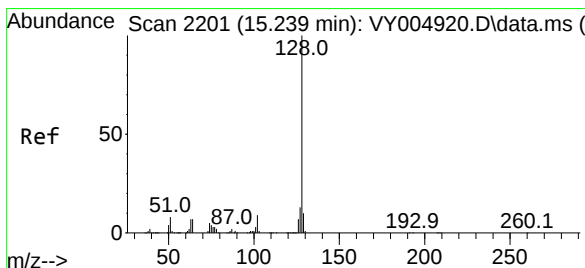
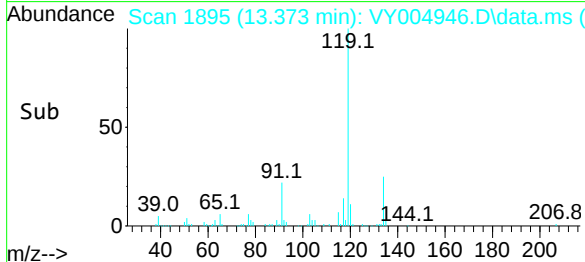
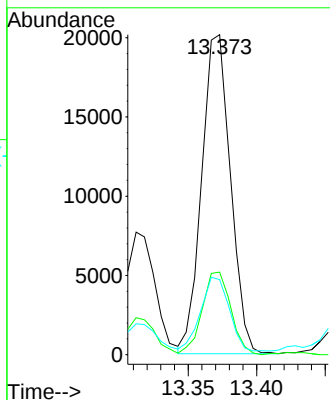
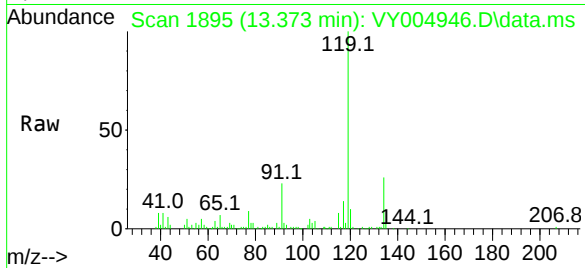




#86
p-Isopropyltoluene
Concen: 3.01 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	119	Resp:	29449
Ion Ratio	Lower	Upper	
119	100		
134	25.8	12.9	38.7
91	22.7	11.9	35.5



#95
Naphthalene
Concen: 28.41 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004946.D
Acq: 03 Jun 2021 18:55

Tgt Ion:	128	Resp:	165278
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.8	8.7	13.1

