

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072821\
 Data File : VY005500.D
 Acq On : 28 Jul 2021 19:22
 Operator : SY/MD
 Sample : M3216-04
 Misc : 10.07G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 29 05:35:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

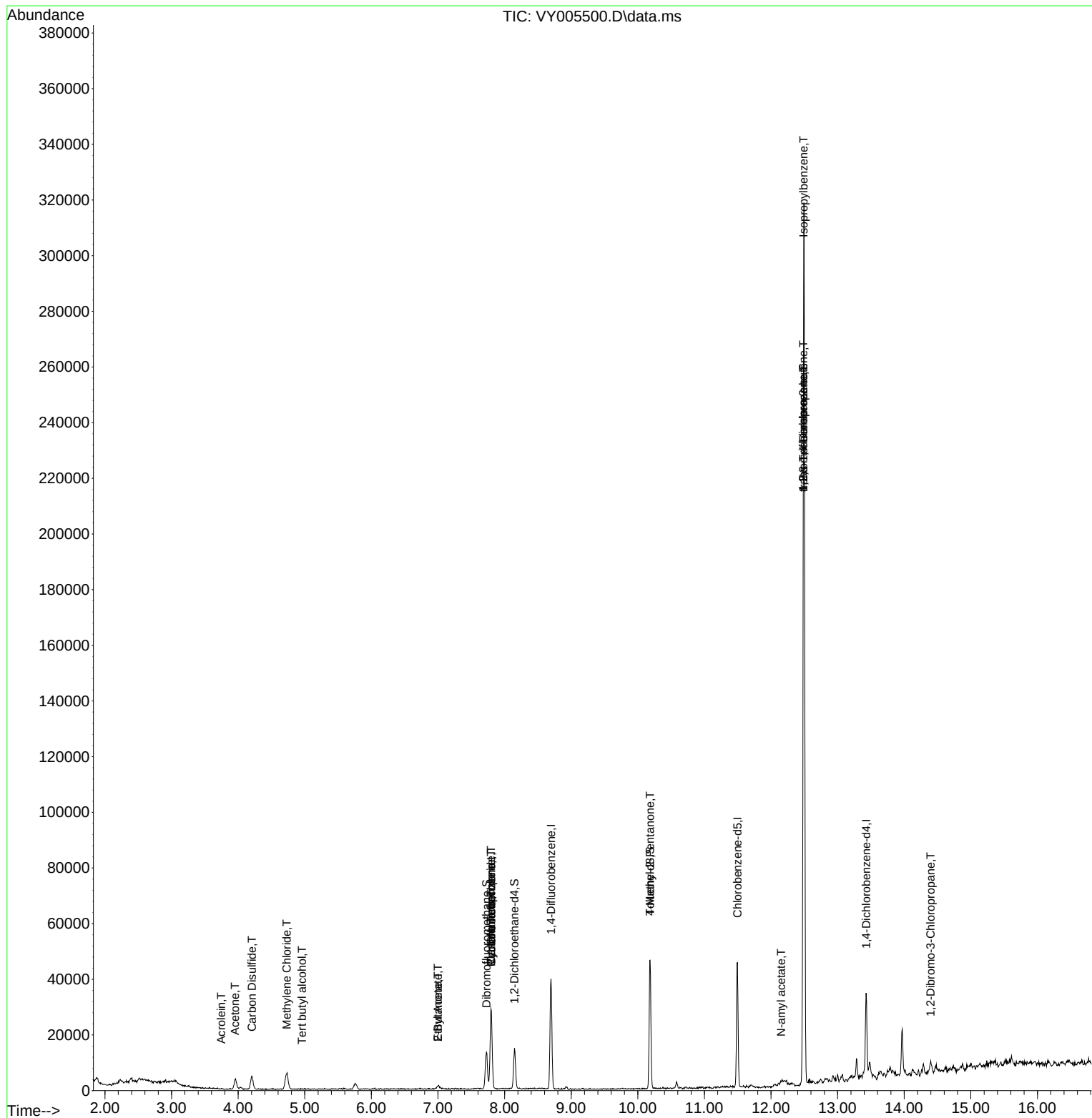
Internal Standards						
1) Pentafluorobenzene	7.801	168	22641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	33854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	24354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	11474	47.436	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.880%		
35) Dibromofluoromethane	7.728	113	9111	46.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.220%		
50) Toluene-d8	10.185	98	31675	38.232	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	76.460%		
62) 4-Bromofluorobenzene	12.483	95	8072	29.520	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	59.040%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	105	4.595	ug/l #	82
13) Acrolein	3.747	56	23	1.099	ug/l #	1
16) Acetone	3.954	43	6009	108.782	ug/l #	82
17) Carbon Disulfide	4.204	76	9302	12.995	ug/l #	94
20) Methylene Chloride	4.728	84	4298	12.611	ug/l #	90
25) 2-Butanone	6.996	43	1802	21.784	ug/l	98
31) Cyclohexane	7.801	56	622	1.506	ug/l #	54
36) 1,1-Dichloropropene	7.795	75	1768	5.401	ug/l #	52
37) Ethyl Acetate	6.996	43	1802	9.043	ug/l #	70
38) Carbon Tetrachloride	7.795	117	2026	5.664	ug/l #	17
51) 4-Methyl-2-Pentanone	10.185	43	230	1.201	ug/l #	1
73) Isopropylbenzene	12.489	105	643	1.174	ug/l	95
74) N-amyl acetate	12.154	43	223	1.338	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	5763	73.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5763	143.228	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.397	75	27	1.332	ug/l #	1

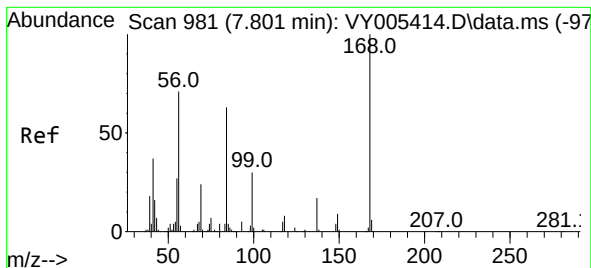
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY005500.D

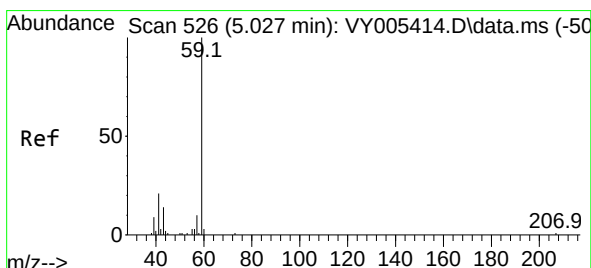
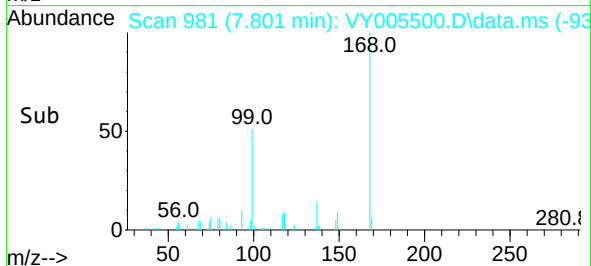
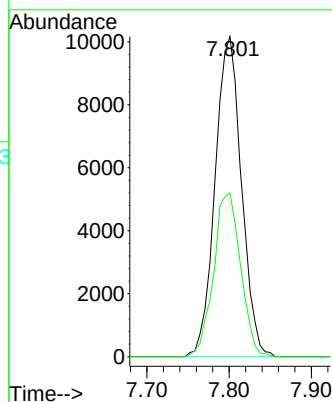
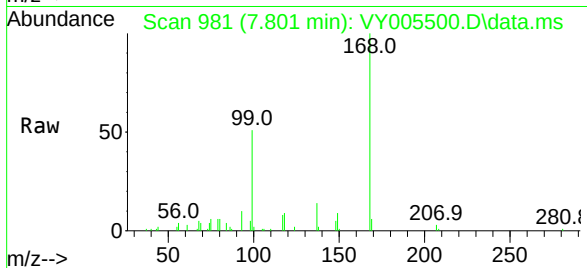
Acq: 28 Jul 2021 19:22

Tgt Ion:168 Resp: 22641

Ion Ratio Lower Upper

168 100

99 51.2 39.8 59.6



#11

Tert butyl alcohol

Concen: 4.595 ug/l

RT: 4.960 min Scan# 515

Delta R.T. -0.067 min

Lab File: VY005500.D

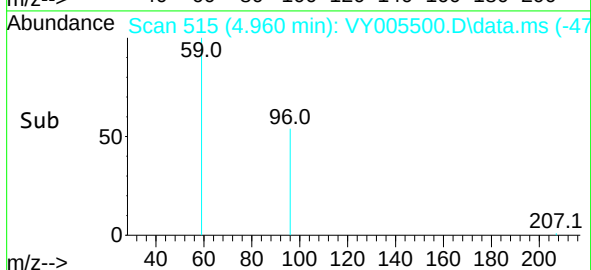
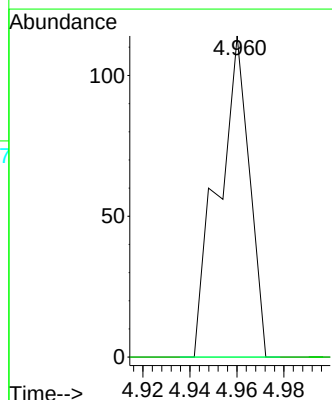
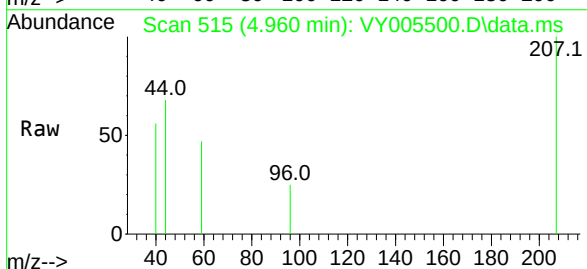
Acq: 28 Jul 2021 19:22

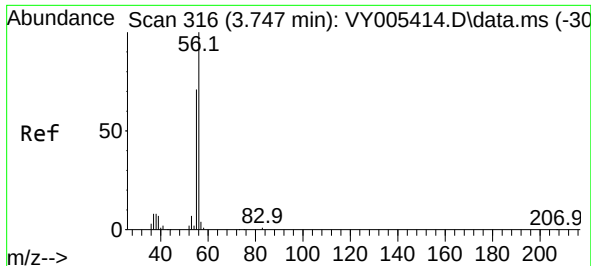
Tgt Ion: 59 Resp: 105

Ion Ratio Lower Upper

59 100

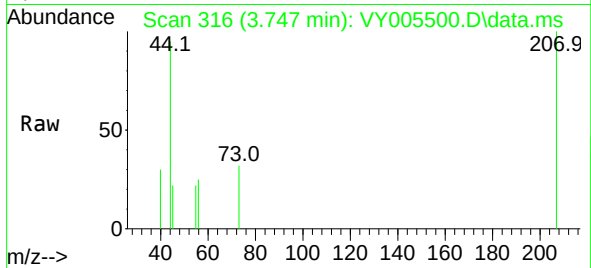
57 0.0 4.7 7.1#



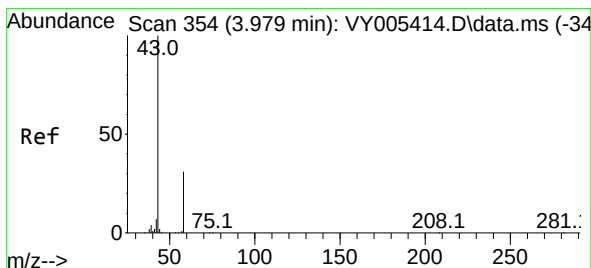
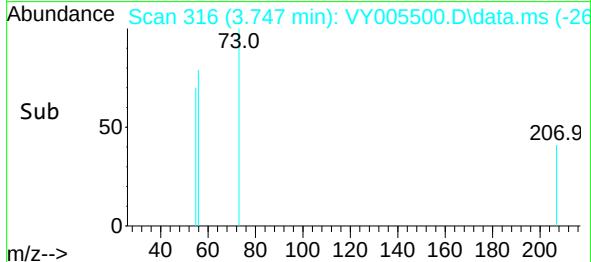
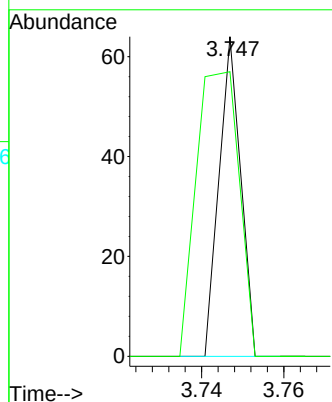


#13
Acrolein
Concen: 1.099 ug/l
RT: 3.747 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Instrument :
MSVOA_Y
ClientSampleId :

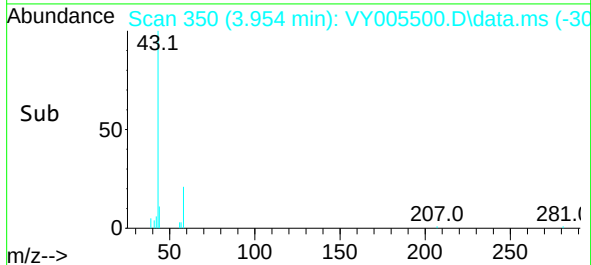
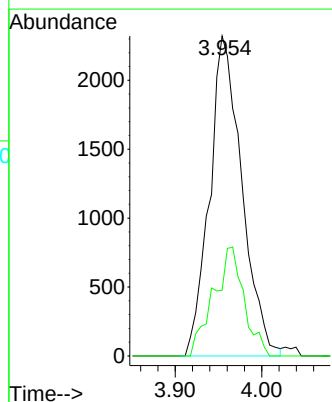
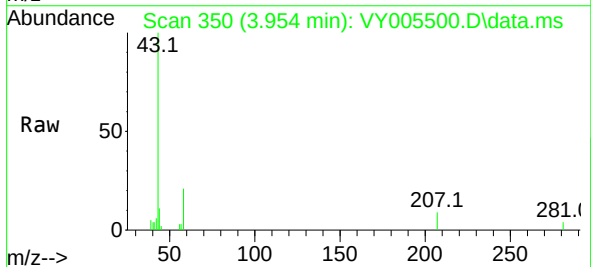


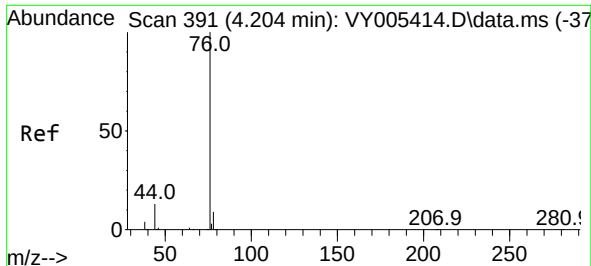
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 178.3 55.2 82.8#



#16
Acetone
Concen: 108.782 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.024 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Tgt Ion: 43 Resp: 6009
Ion Ratio Lower Upper
43 100
58 20.5 24.5 36.7#

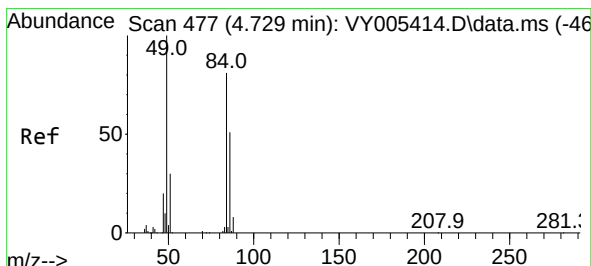
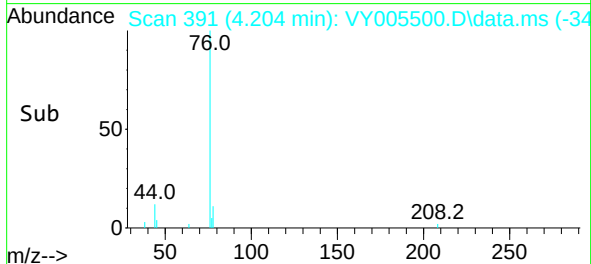
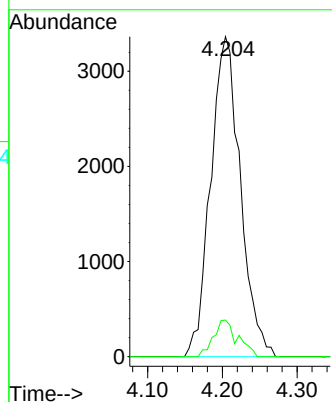
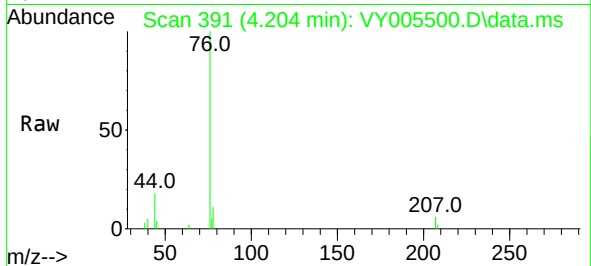




#17
Carbon Disulfide
Concen: 12.995 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

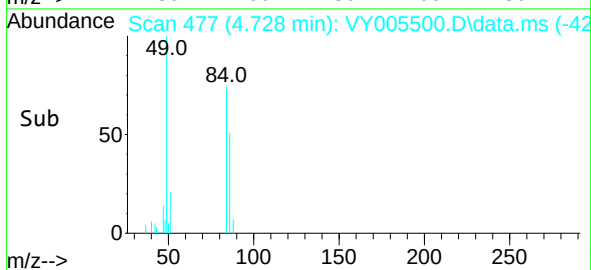
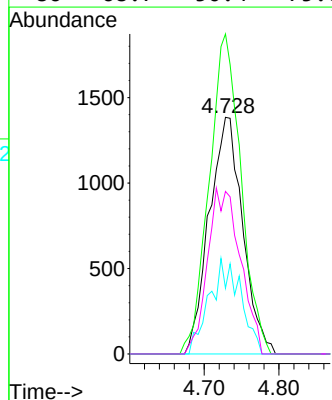
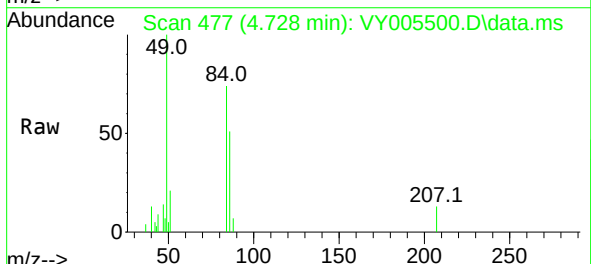
Instrument :
MSVOA_Y
ClientSampled :

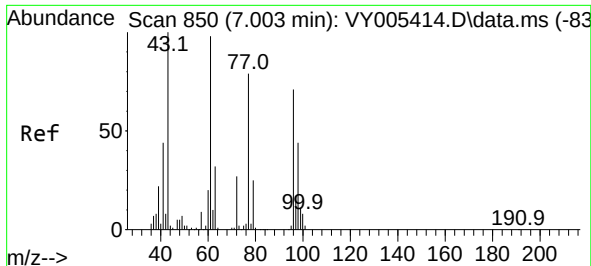
Tgt Ion: 76 Resp: 9302
Ion Ratio Lower Upper
76 100
78 11.4 7.3 10.9#



#20
Methylene Chloride
Concen: 12.611 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Tgt Ion: 84 Resp: 4298
Ion Ratio Lower Upper
84 100
49 135.3 98.9 148.3
51 27.8 30.0 45.0#
86 68.7 50.4 75.6

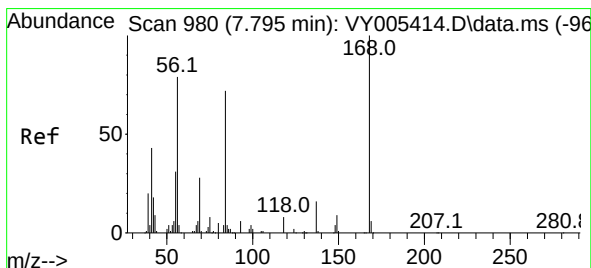
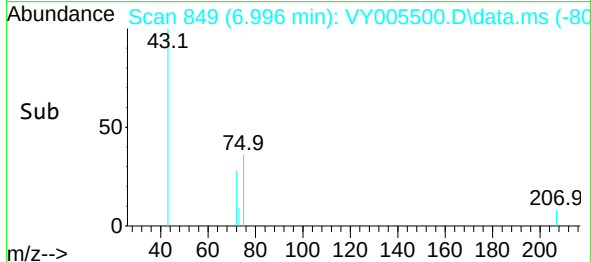
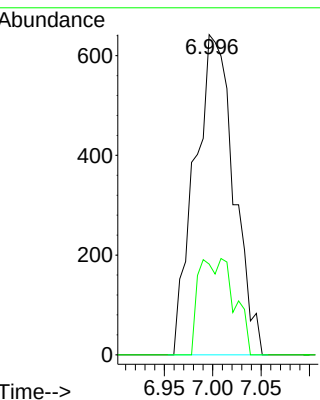
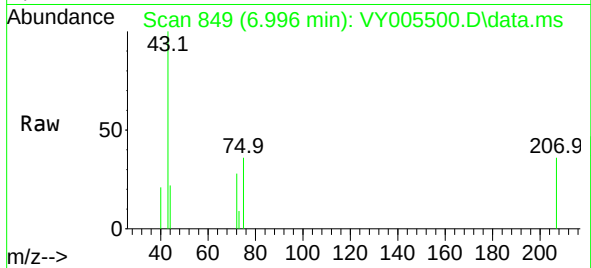




#25
2-Butanone
Concen: 21.784 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

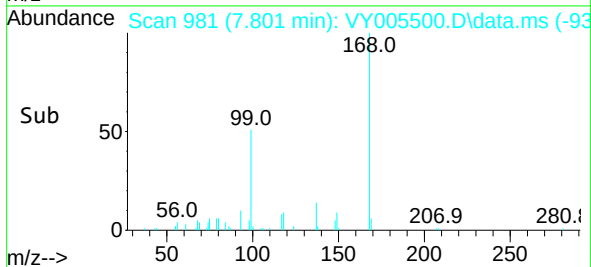
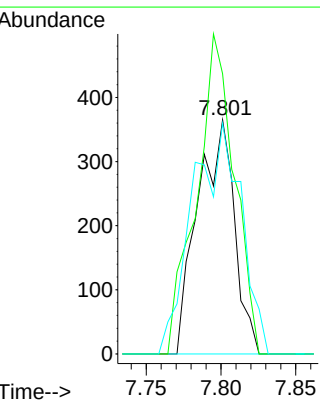
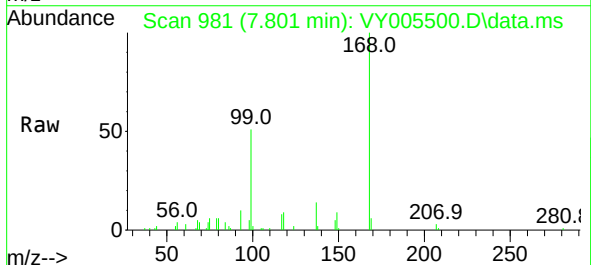
Instrument :
MSVOA_Y
ClientSampled :

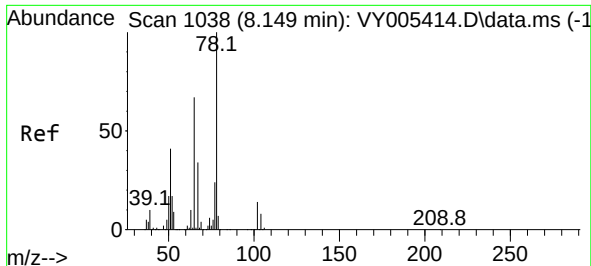
Tgt Ion: 43 Resp: 1802
Ion Ratio Lower Upper
43 100
72 28.3 21.9 32.9



#31
Cyclohexane
Concen: 1.506 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Tgt Ion: 56 Resp: 622
Ion Ratio Lower Upper
56 100
69 119.7 28.7 43.1#
84 98.6 73.0 109.6

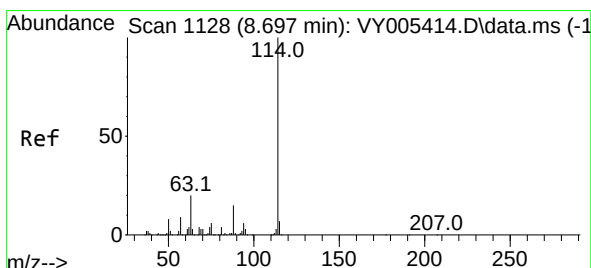
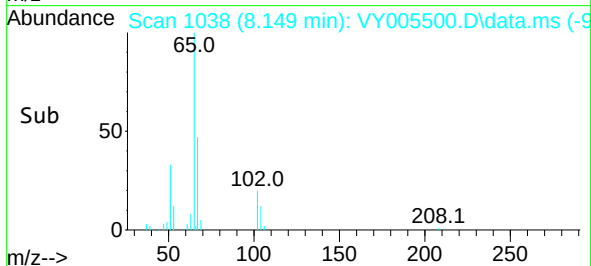
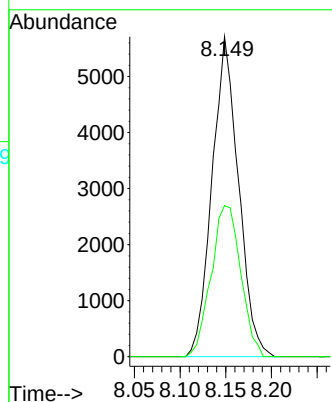
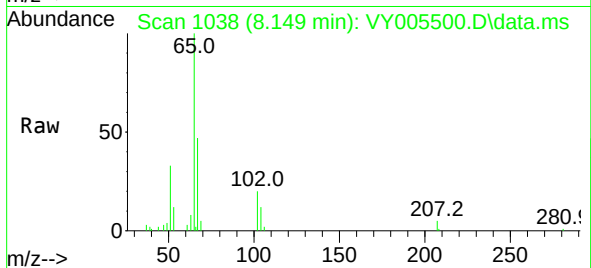




#33
1,2-Dichloroethane-d4
Concen: 47.436 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

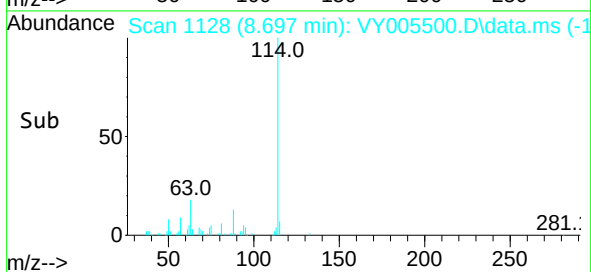
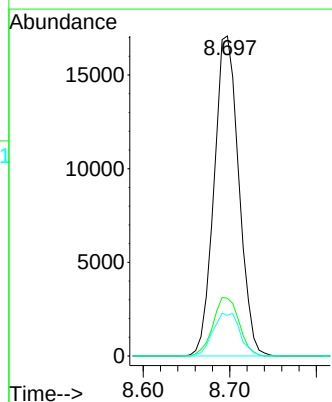
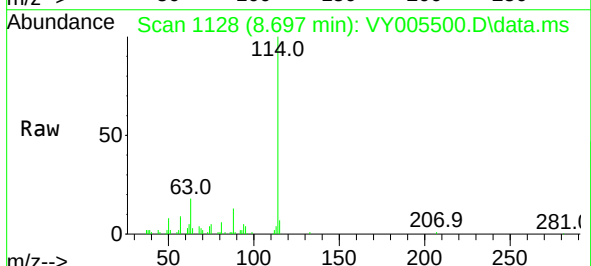
Instrument :
MSVOA_Y
ClientSampled :

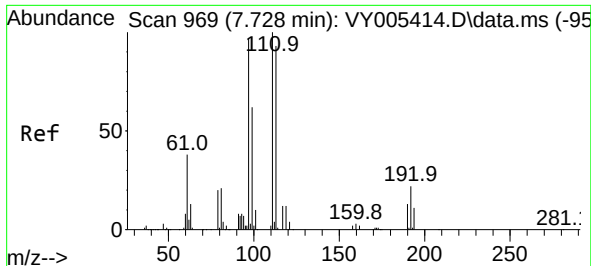
Tgt Ion: 65 Resp: 11474
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Tgt Ion:114 Resp: 33854
Ion Ratio Lower Upper
114 100
63 18.1 0.0 39.0
88 12.7 0.0 30.8

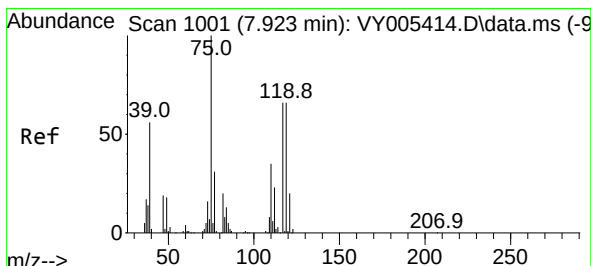
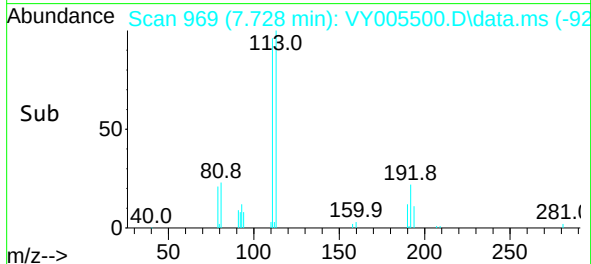
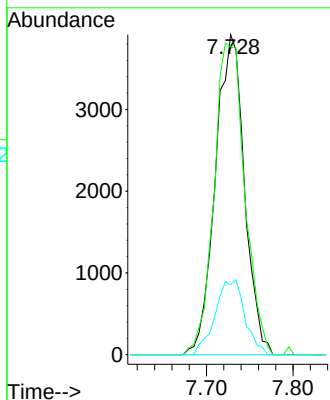
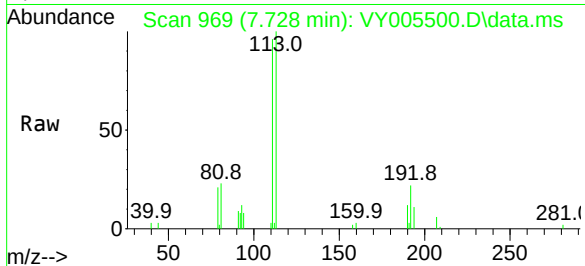




#35
Dibromofluoromethane
Concen: 46.609 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

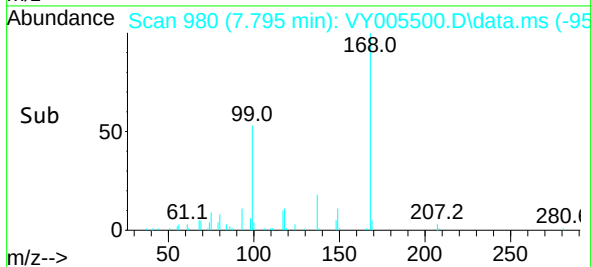
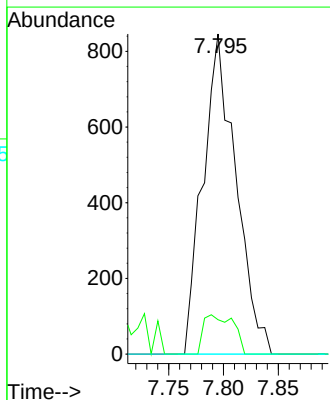
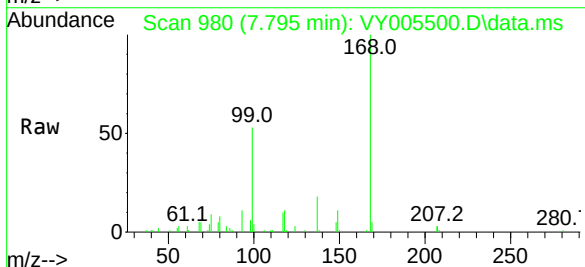
Instrument :
MSVOA_Y
ClientSampleId :

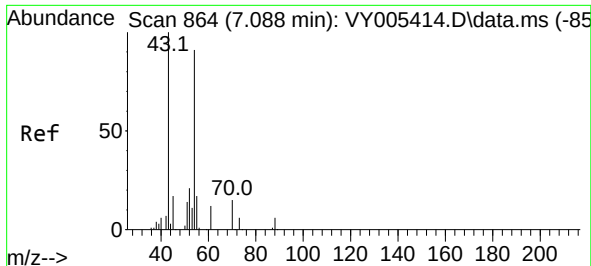
Tgt Ion:113 Resp: 9111
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 23.9 18.9 28.3



#36
1,1-Dichloropropene
Concen: 5.401 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Tgt Ion: 75 Resp: 1768
Ion Ratio Lower Upper
75 100
110 11.1 17.6 52.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 9.043 ug/l

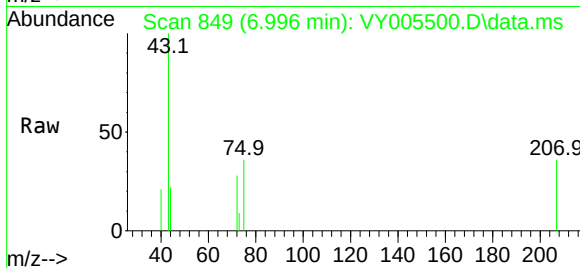
RT: 6.996 min Scan# 849

Delta R.T. -0.092 min

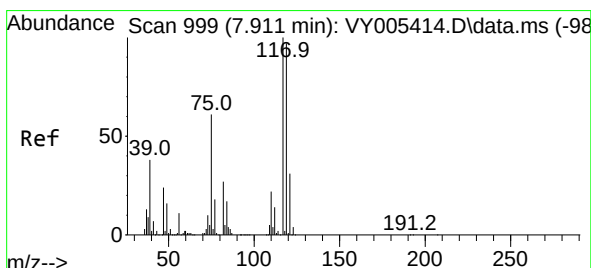
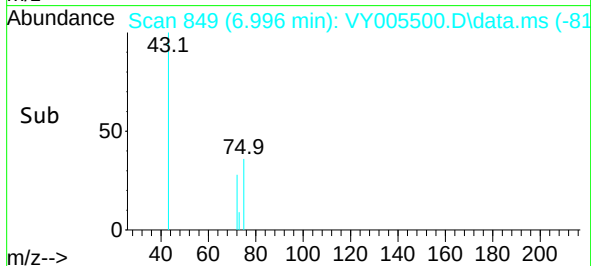
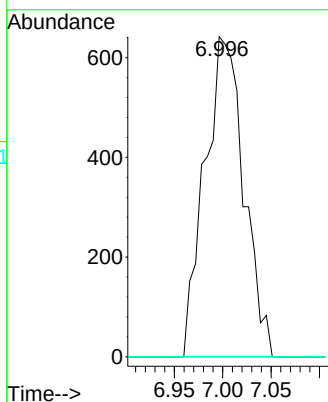
Lab File: VY005500.D

Acq: 28 Jul 2021 19:22

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 43	Resp: 1802
Ion Ratio	Lower Upper
43	100
61	0.0 10.3 15.5#
70	0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.664 ug/l

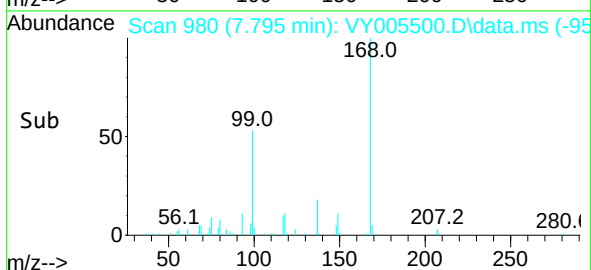
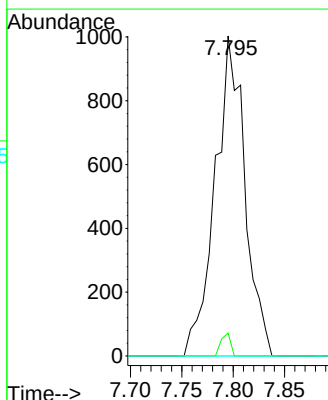
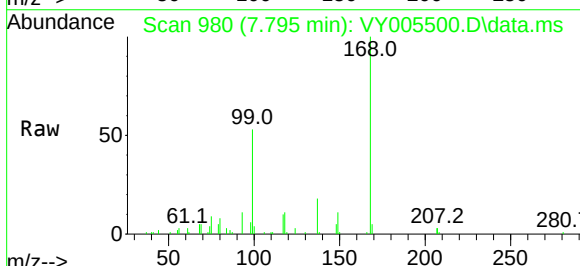
RT: 7.795 min Scan# 980

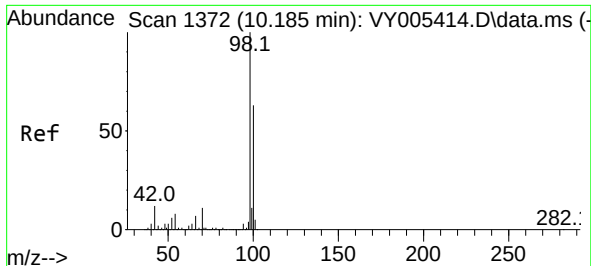
Delta R.T. -0.116 min

Lab File: VY005500.D

Acq: 28 Jul 2021 19:22

Tgt Ion: 117	Resp: 2026
Ion Ratio	Lower Upper
117	100
119	7.2 77.2 115.8#
121	0.0 25.1 37.7#

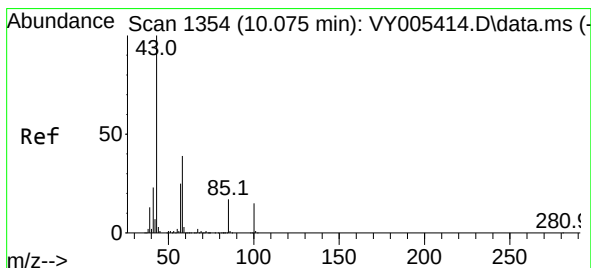
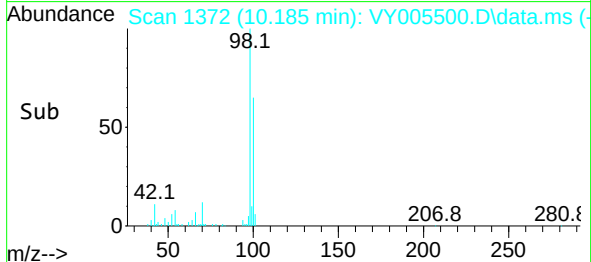
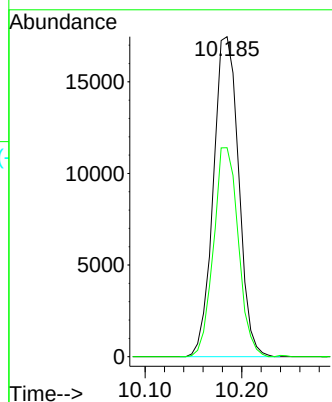
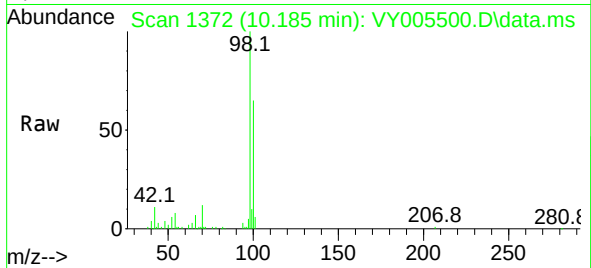




#50
Toluene-d8
Concen: 38.232 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

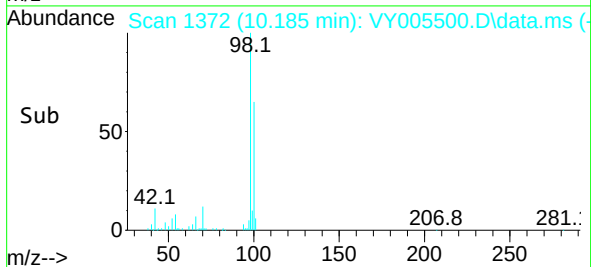
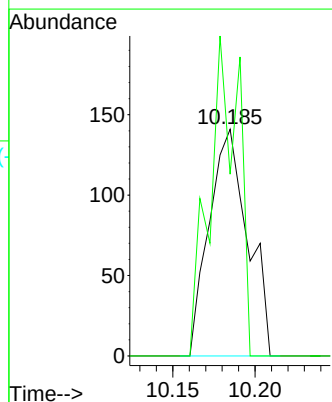
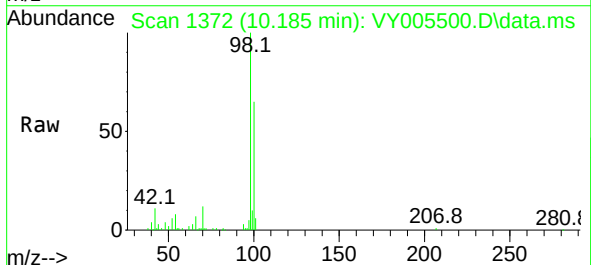
Instrument :
MSVOA_Y
ClientSampleId :

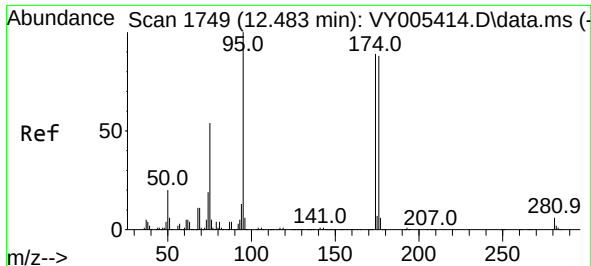
Tgt Ion: 98 Resp: 31675
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.201 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Tgt Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
58 106.1 31.2 46.8#

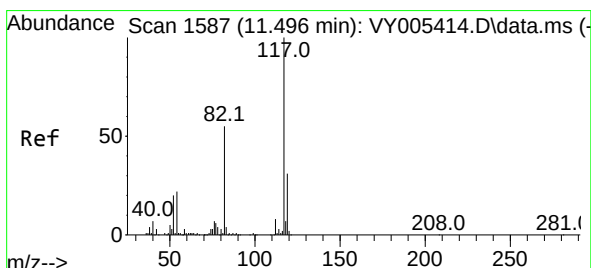
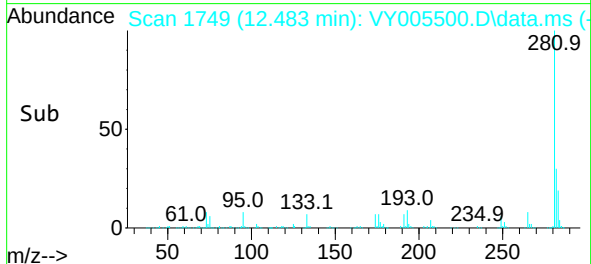
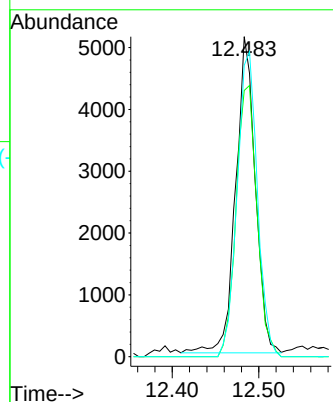
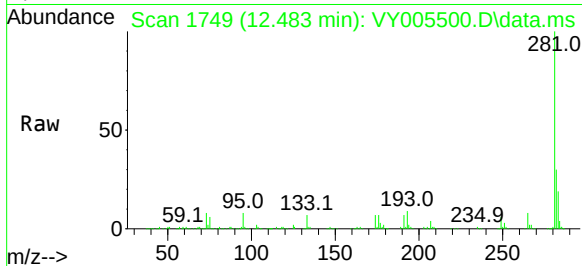




#62
4-Bromofluorobenzene
Concen: 29.520 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

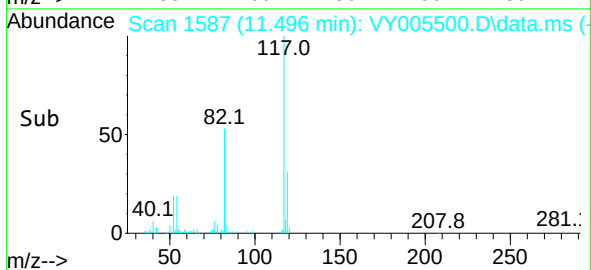
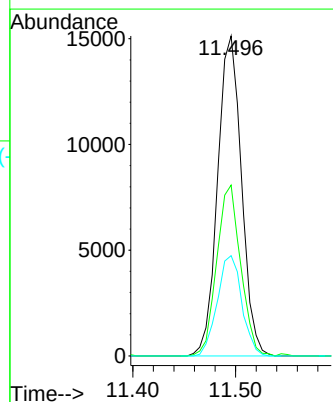
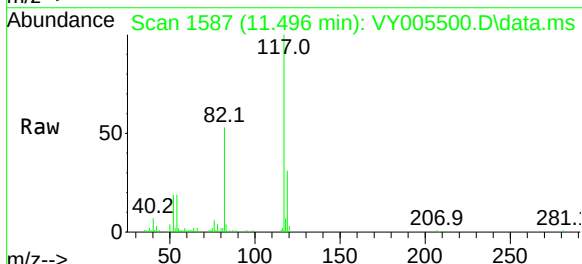
Instrument :
MSVOA_Y
ClientSampled :

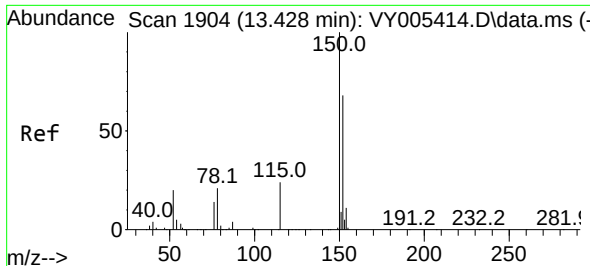
Tgt Ion: 95 Resp: 8072
Ion Ratio Lower Upper
95 100
174 90.6 0.0 186.6
176 99.1 0.0 182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Tgt Ion: 117 Resp: 24354
Ion Ratio Lower Upper
117 100
82 53.4 43.8 65.6
119 31.3 24.8 37.2

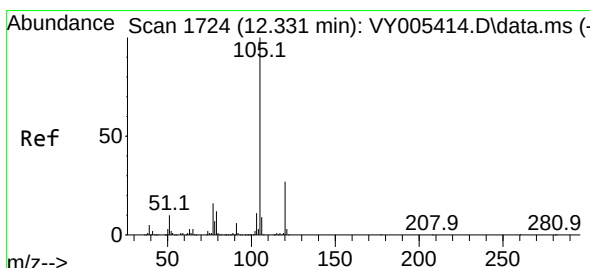
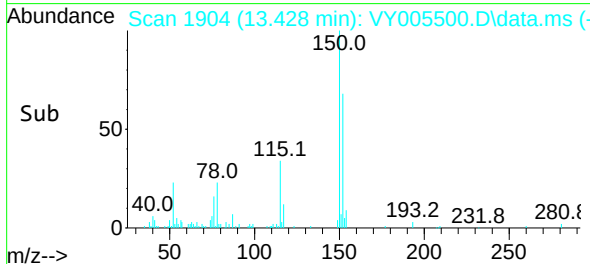
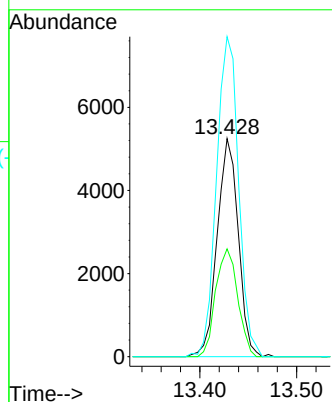
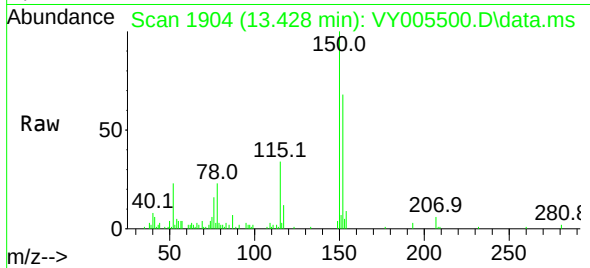




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

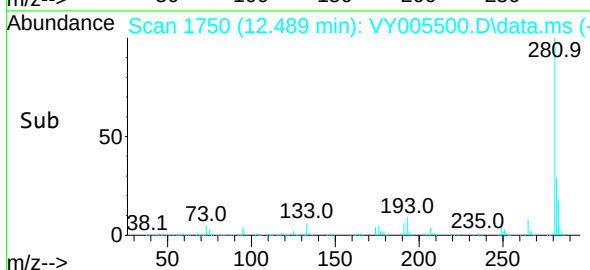
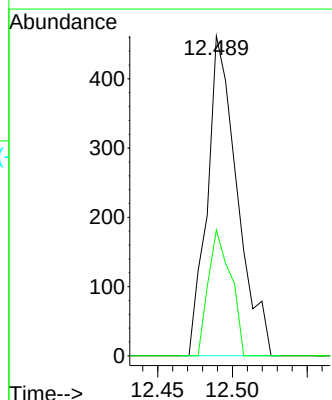
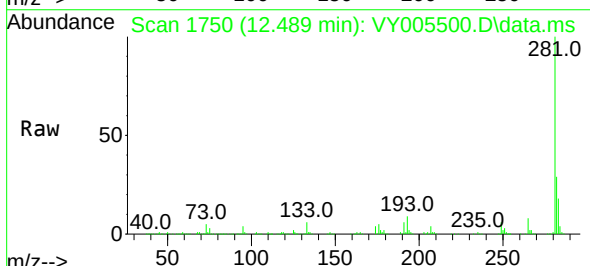
Instrument :
MSVOA_Y
ClientSampled :

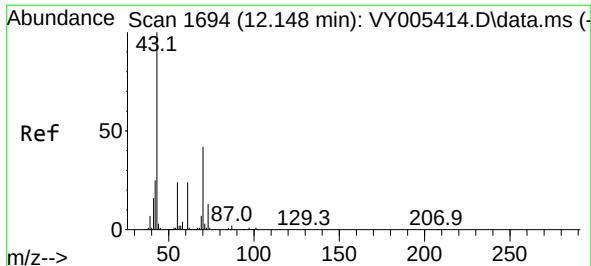
Tgt Ion:152 Resp: 7940
Ion Ratio Lower Upper
152 100
115 51.5 27.7 83.1
150 153.5 0.0 349.6



#73
Isopropylbenzene
Concen: 1.174 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.158 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Tgt Ion:105 Resp: 643
Ion Ratio Lower Upper
105 100
120 29.5 13.5 40.5

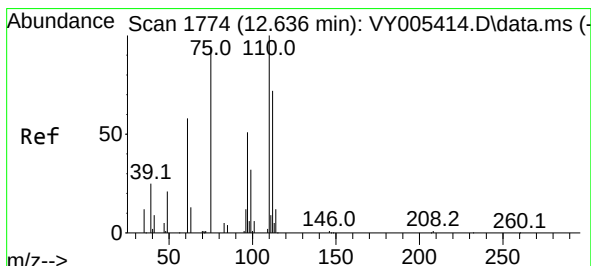
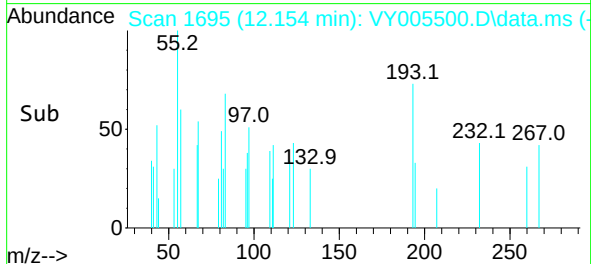
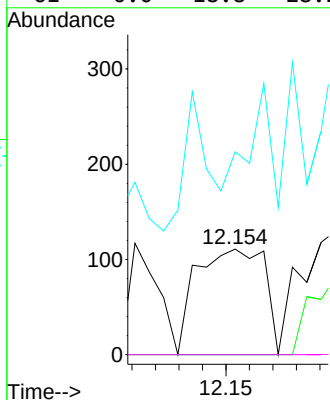
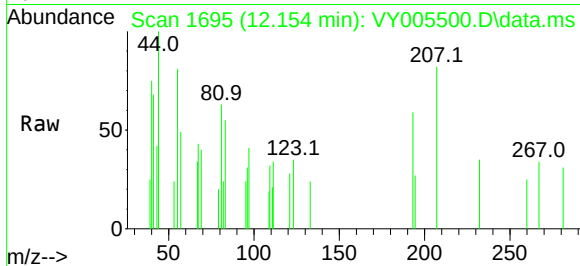




#74
N-amy1 acetate
Concen: 1.338 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

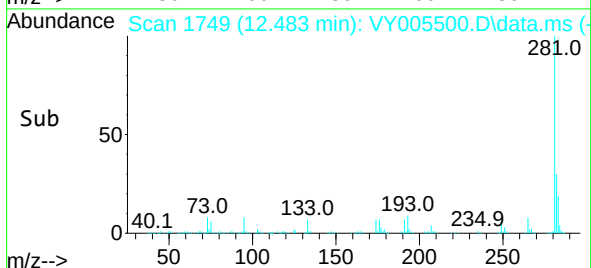
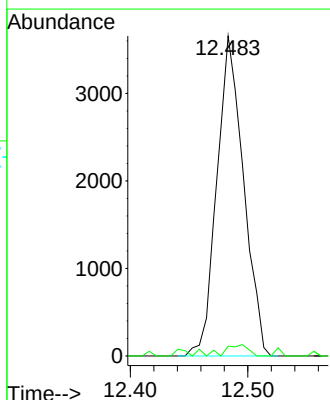
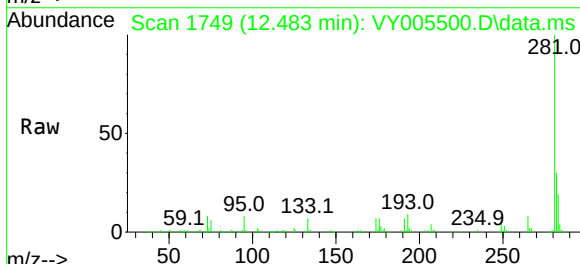
Instrument :
MSVOA_Y
ClientSampleId :

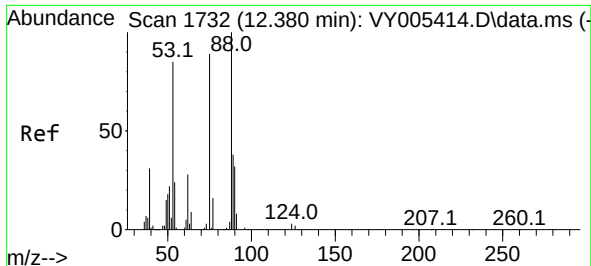
Tgt Ion: 43	Resp: 223
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 42.6	19.1 28.7#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 73.764 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

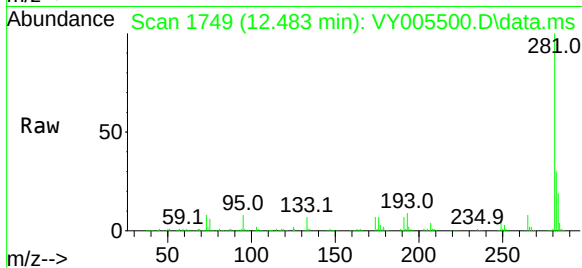
Tgt Ion: 75	Resp: 5763
Ion Ratio	Lower Upper
75 100	
77 3.0	0.0 0.0#



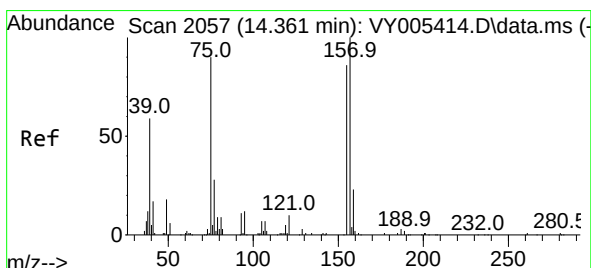
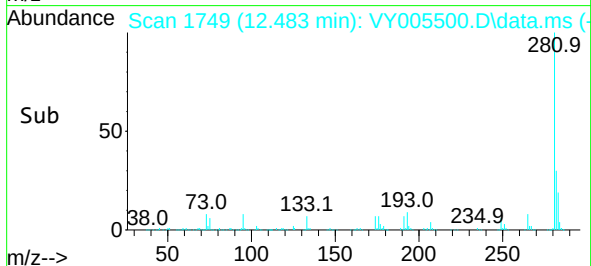
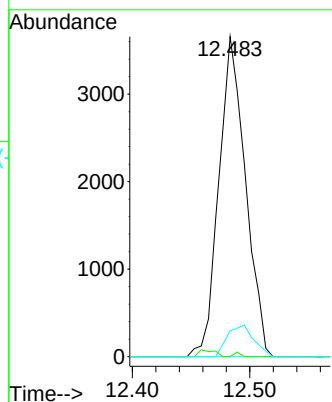


#81
trans-1,4-Dichloro-2-butene
Concen: 143.228 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 75 Resp: 5763
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 9.8 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.332 ug/l
RT: 14.397 min Scan# 2063
Delta R.T. 0.036 min
Lab File: VY005500.D
Acq: 28 Jul 2021 19:22

Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
155 0.0 43.6 130.8#
157 0.0 54.1 162.3#

