

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042021\
 Data File : VY004530.D
 Acq On : 20 Apr 2021 15:44
 Operator : SY/MD
 Sample : M2090-15
 Misc : 5.79G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 21 08:52:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

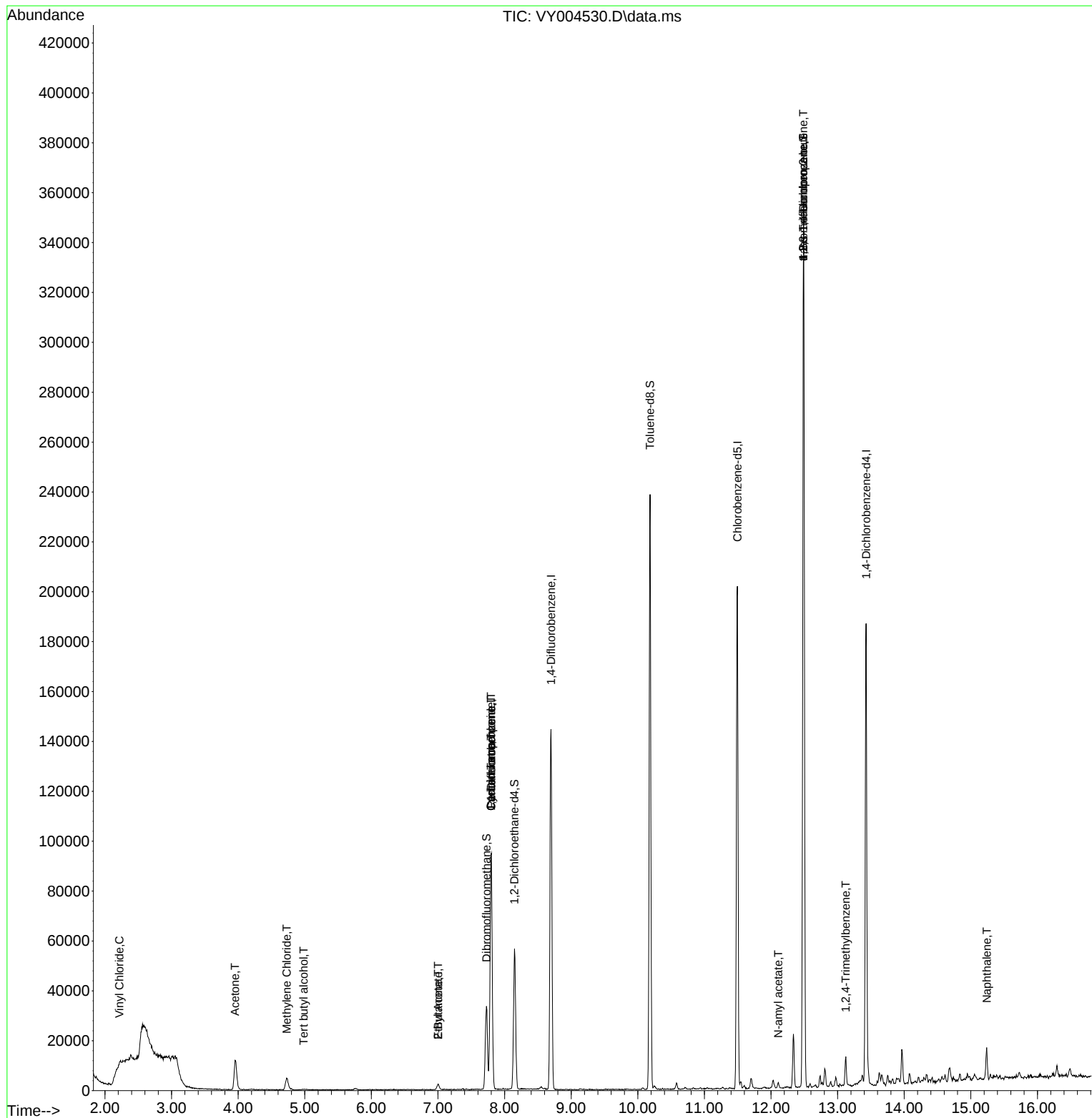
Internal Standards						
1) Pentafluorobenzene	7.801	168	71522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	119807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	107153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	46042	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	42608	53.62	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.24%			
35) Dibromofluoromethane	7.728	113	23071	34.70	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 69.40%			
50) Toluene-d8	10.185	98	146884	51.94	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.88%			
62) 4-Bromofluorobenzene	12.483	95	46032	47.96	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.92%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.217	62	5204	5.14	ug/l #	43
11) Tert butyl alcohol	4.985	59	141	1.80	ug/l #	73
16) Acetone	3.954	43	20976	113.90	ug/l	99
20) Methylene Chloride	4.729	84	3216	4.19	ug/l	85
25) 2-Butanone	7.003	43	3763	12.43	ug/l #	84
31) Cyclohexane	7.795	56	1702	1.17	ug/l #	21
36) 1,1-Dichloropropene	7.795	75	6170	5.18	ug/l #	50
37) Ethyl Acetate	7.003	43	3763	4.91	ug/l #	70
38) Carbon Tetrachloride	7.795	117	7260	7.05	ug/l #	17
74) N-amyl acetate	12.111	43	1574	1.31	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	28080	56.82	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	28080	101.65	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	5826	2.00	ug/l	98
95) Naphthalene	15.239	128	9134	4.81	ug/l	98

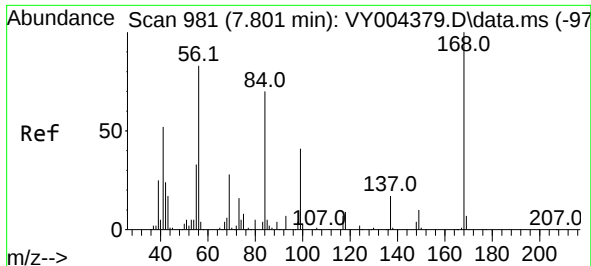
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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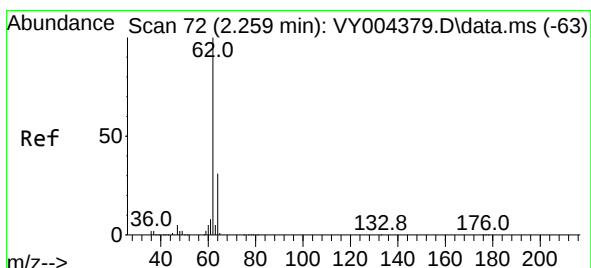
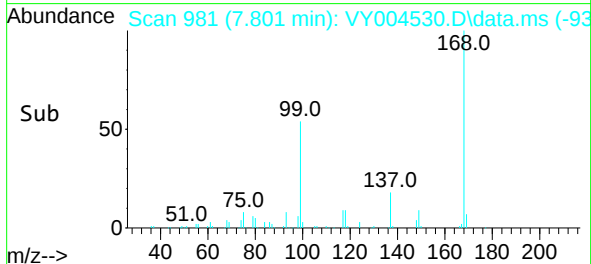
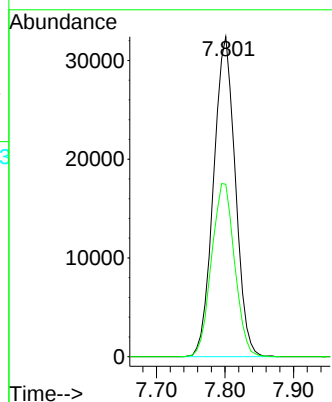
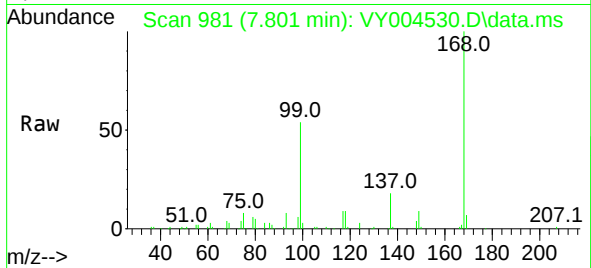




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

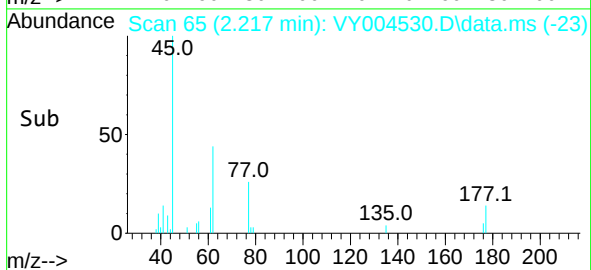
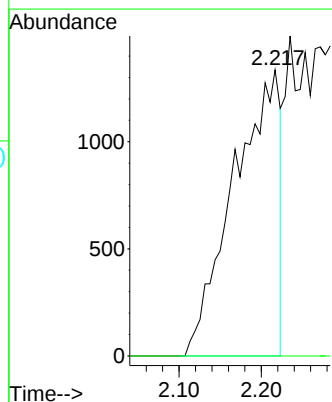
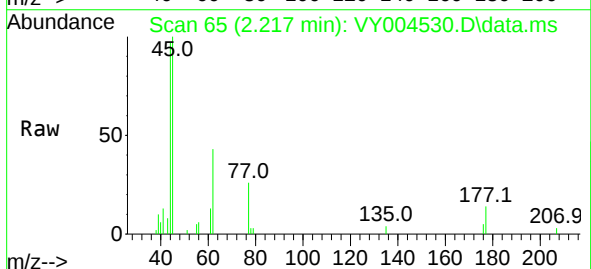
Instrument :
MSVOA_Y
ClientSampled :

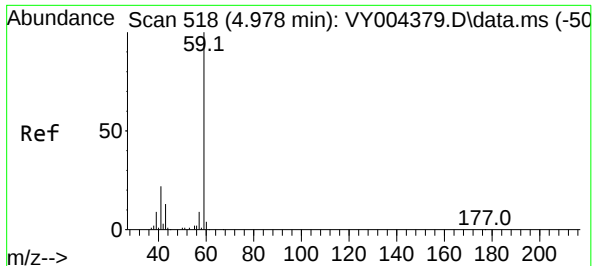
Tgt Ion:168 Resp: 71522
Ion Ratio Lower Upper
168 100
99 53.9 45.5 68.3



#4
Vinyl Chloride
Concen: 5.14 ug/l
RT: 2.217 min Scan# 65
Delta R.T. -0.042 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Tgt Ion: 62 Resp: 5204
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

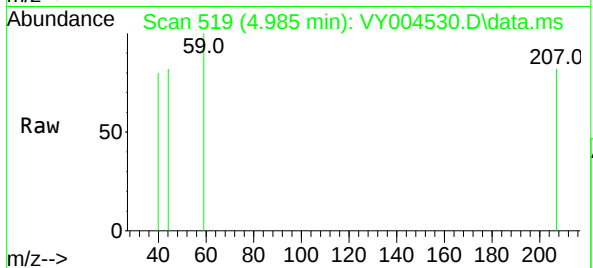




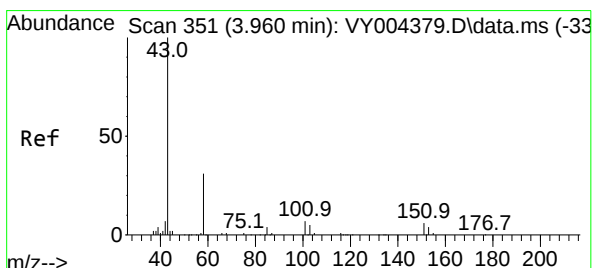
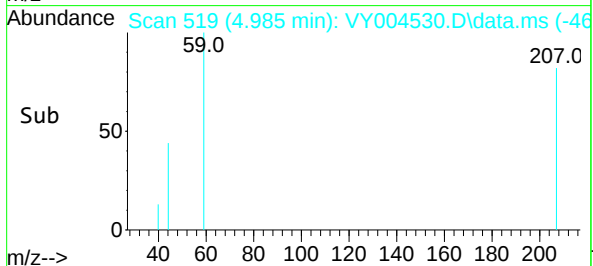
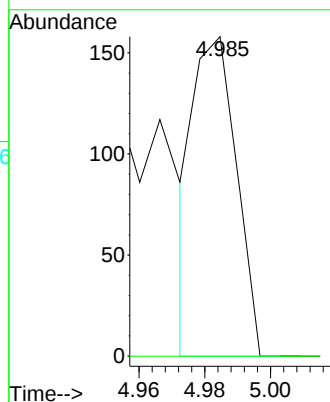
#11

Tert butyl alcohol
Concen: 1.80 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Instrument :
MSVOA_Y
ClientSampled :



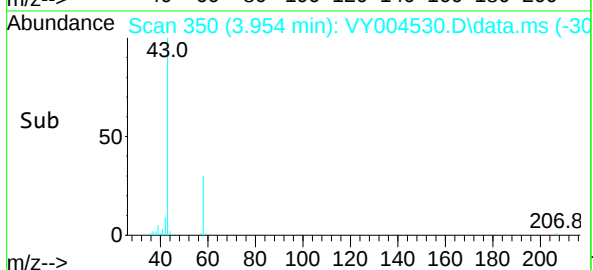
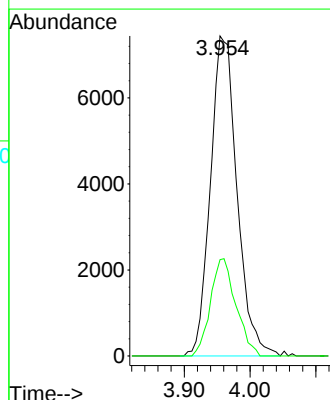
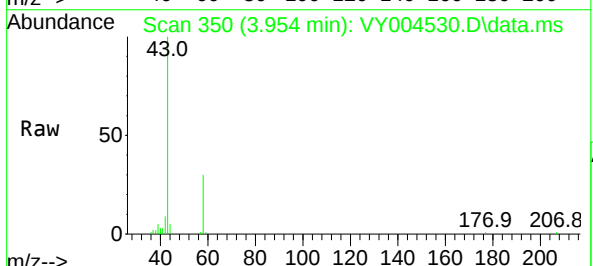
Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

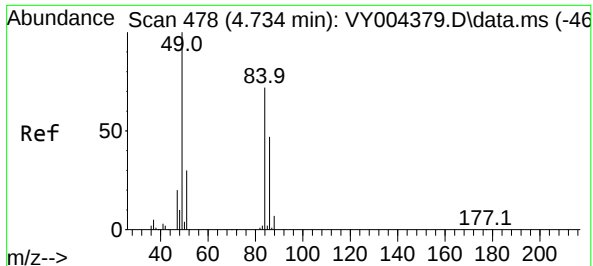


#16

Acetone
Concen: 113.90 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

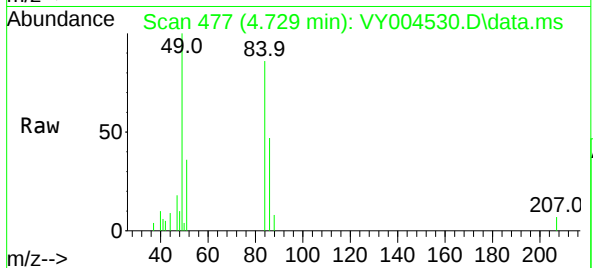
Tgt Ion: 43 Resp: 20976
Ion Ratio Lower Upper
43 100
58 30.1 24.6 37.0



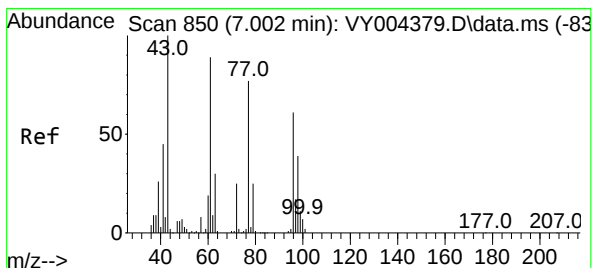
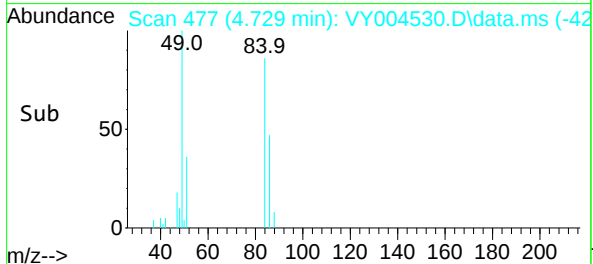
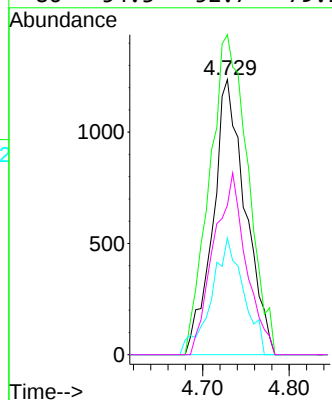


#20
Methylene Chloride
Concen: 4.19 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Instrument :
MSVOA_Y
ClientSampleId :

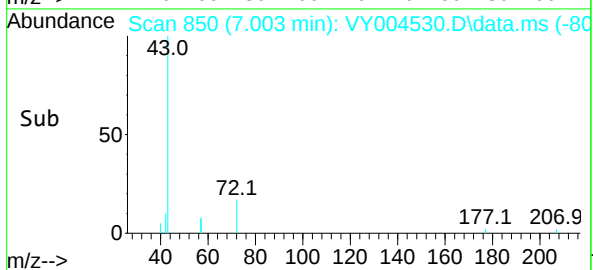
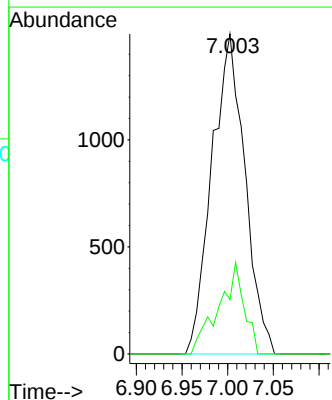
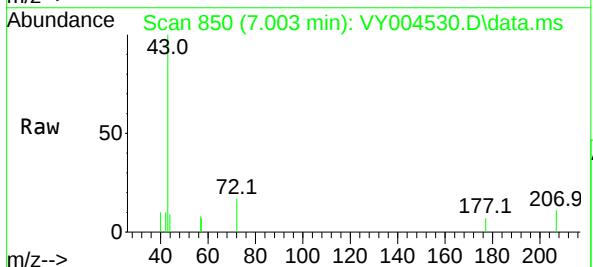


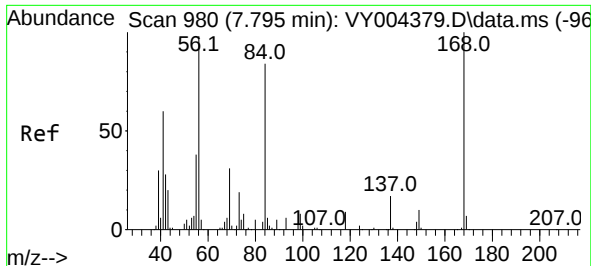
Tgt Ion:	84	Resp:	3216
Ion	Ratio	Lower	Upper
84	100		
49	116.2	111.2	166.8
51	42.4	33.4	50.2
86	54.3	52.7	79.1



#25
2-Butanone
Concen: 12.43 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Tgt Ion:	43	Resp:	3763
Ion	Ratio	Lower	Upper
43	100		
72	17.0	20.2	30.2#

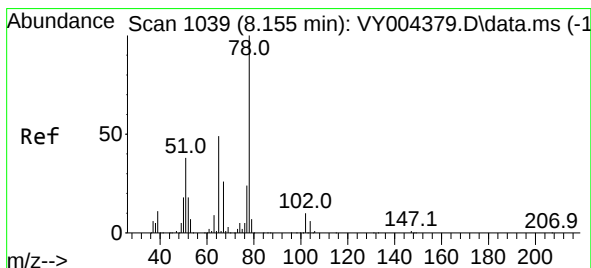
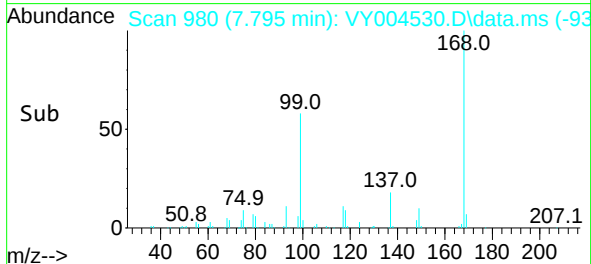
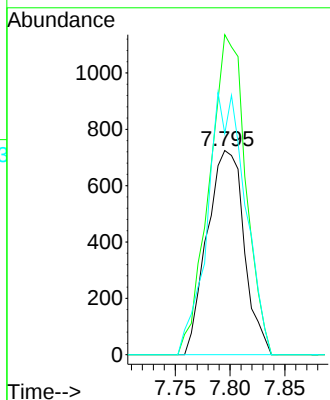
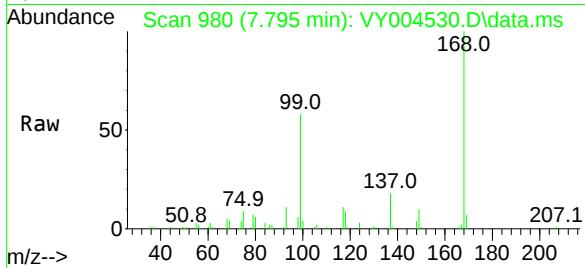




#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

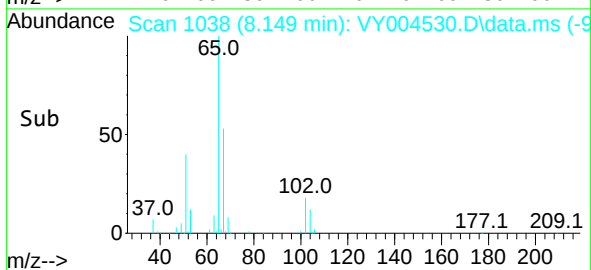
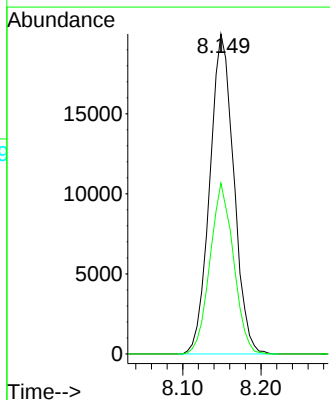
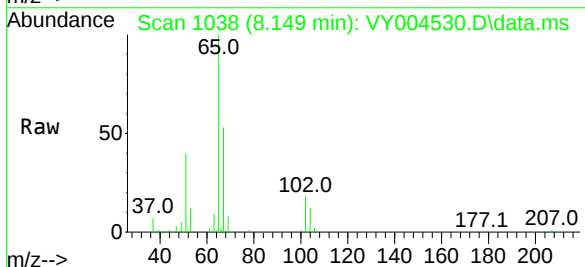
Instrument :
MSVOA_Y
ClientSampleId :

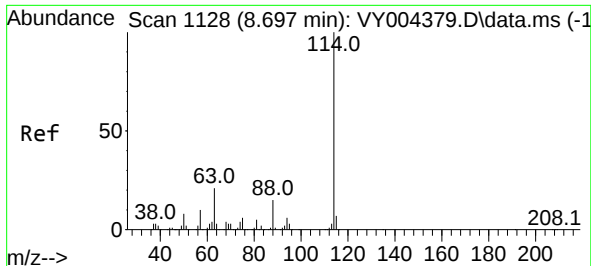
Tgt Ion: 56 Resp: 1702
Ion Ratio Lower Upper
56 100
69 156.7 25.8 38.6#
84 108.3 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 53.62 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Tgt Ion: 65 Resp: 42608
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.4

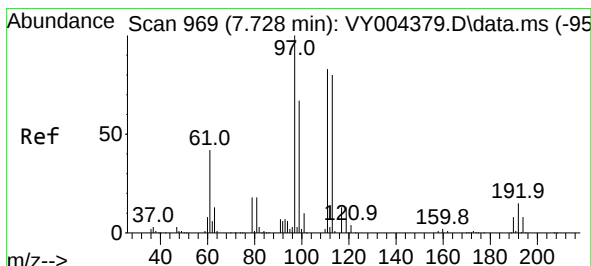
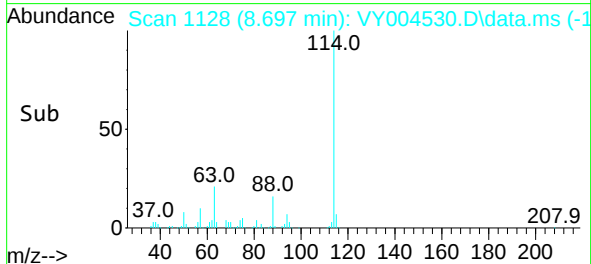
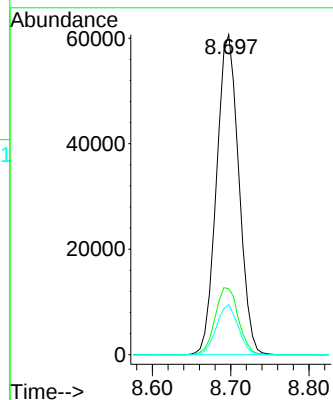
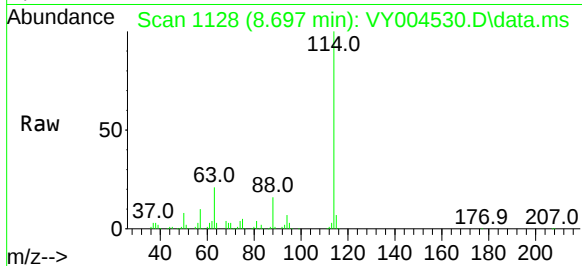




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

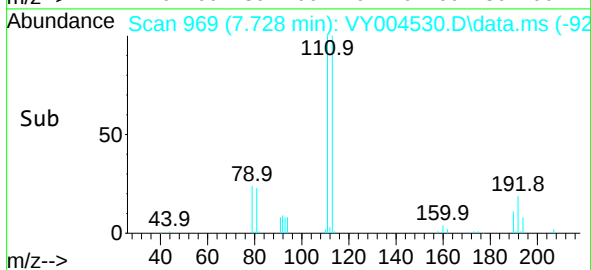
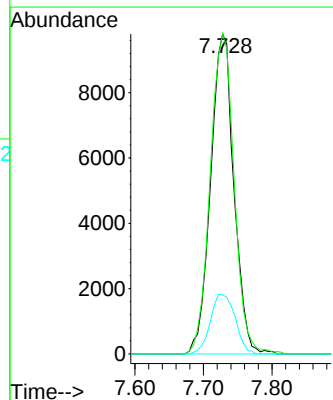
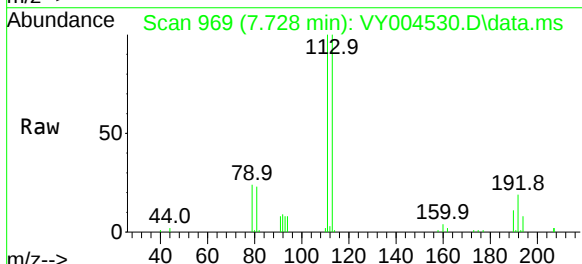
Instrument :
MSVOA_Y
ClientSampled :

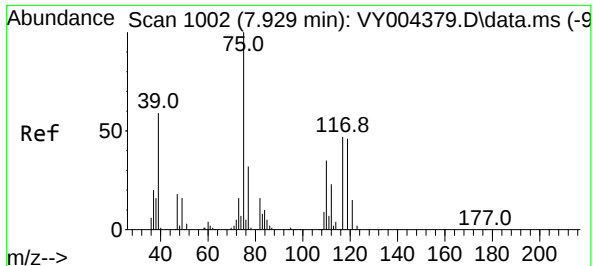
Tgt Ion:	114	Resp:	119807
Ion Ratio	Lower	Upper	
114	100		
63	20.6	0.0	42.4
88	15.6	0.0	30.8



#35
Dibromofluoromethane
Concen: 34.70 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Tgt Ion:	113	Resp:	23071
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.6	123.8
192	19.9	16.1	24.1

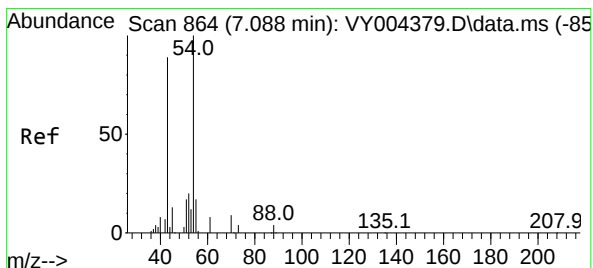
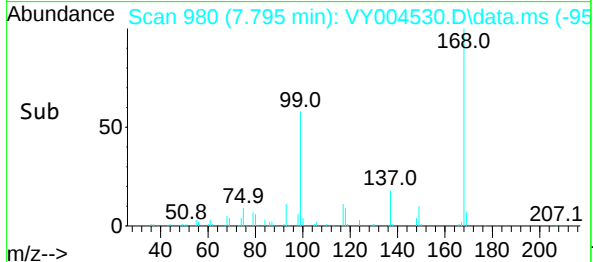
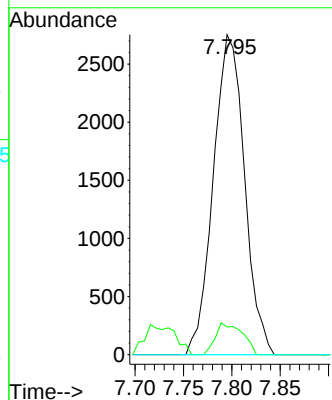
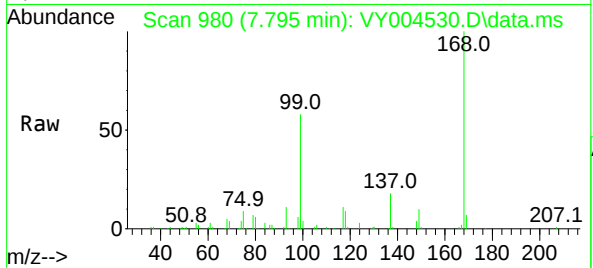




#36
1,1-Dichloropropene
Concen: 5.18 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

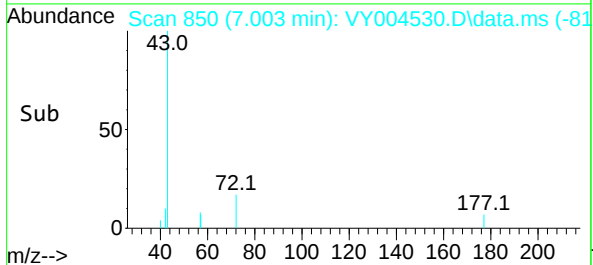
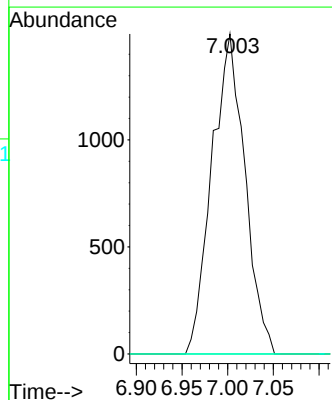
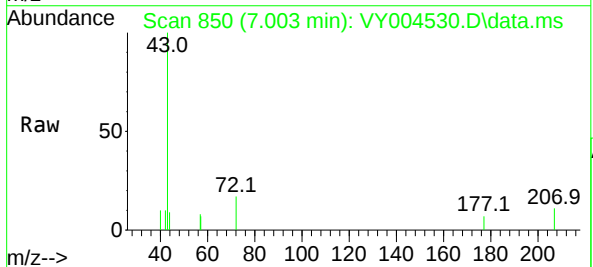
Instrument :
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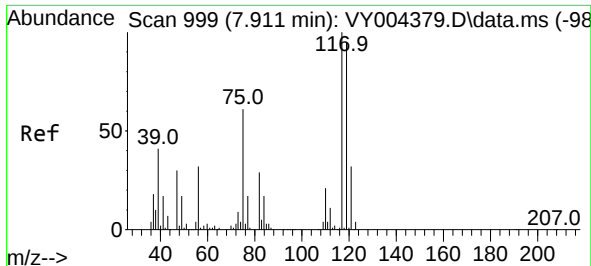
Tgt Ion: 75 Resp: 6170
Ion Ratio Lower Upper
75 100
110 8.5 17.3 51.7#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 4.91 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

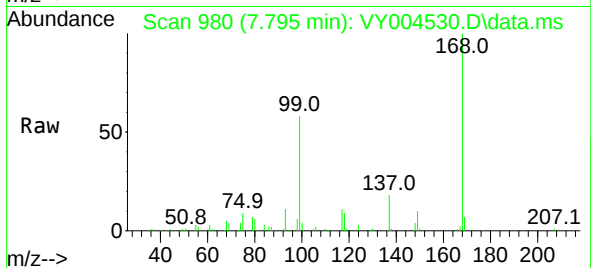
Tgt Ion: 43 Resp: 3763
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.5 11.3#



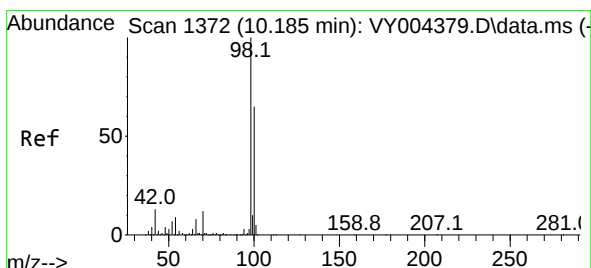
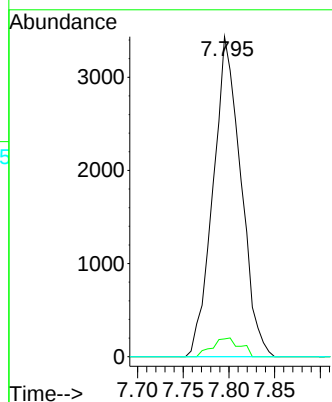
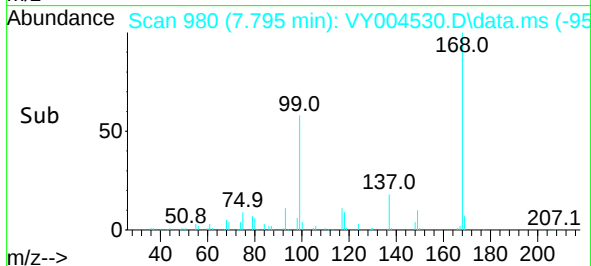


#38
Carbon Tetrachloride
Concen: 7.05 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

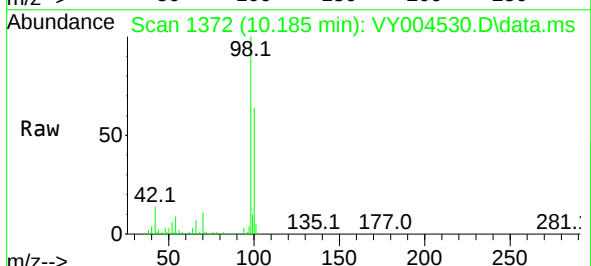
Instrument :
MSVOA_Y
ClientSampleId :



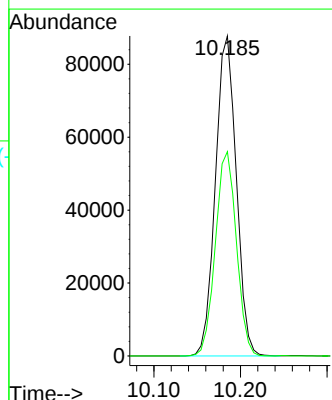
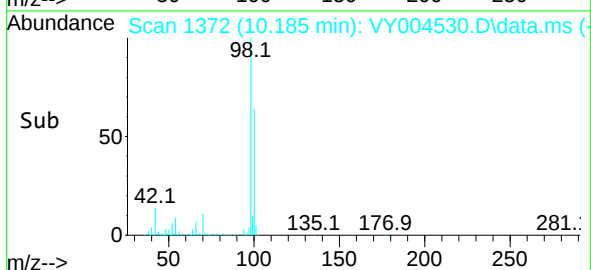
Tgt Ion: 117 Resp: 7260
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 25.3 37.9#

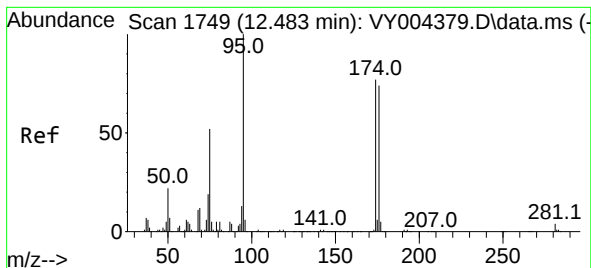


#50
Toluene-d8
Concen: 51.94 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44



Tgt Ion: 98 Resp: 146884
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6

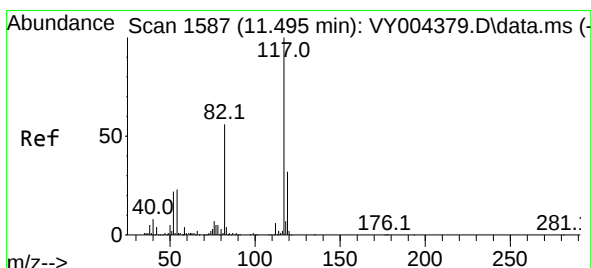
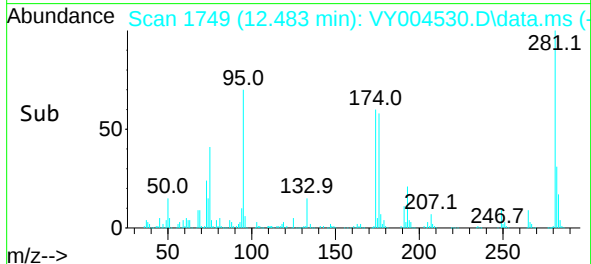
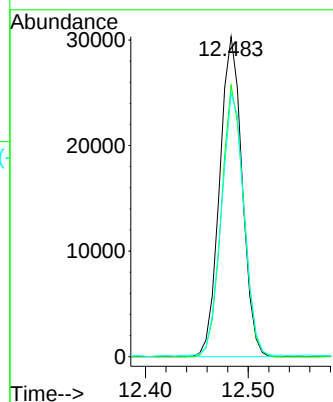
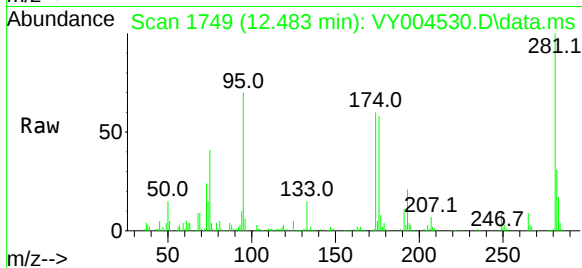




#62
4-Bromofluorobenzene
Concen: 47.96 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

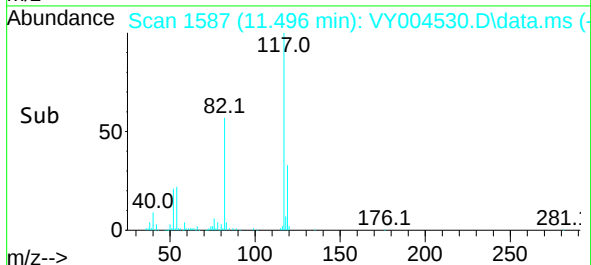
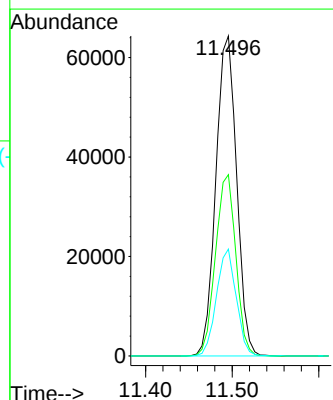
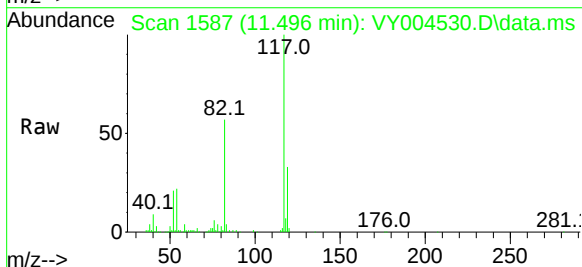
Instrument :
MSVOA_Y
ClientSampled :

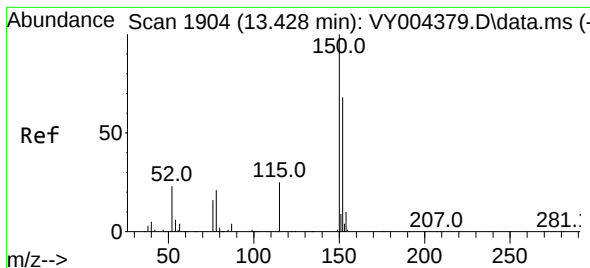
Tgt Ion: 95 Resp: 46032
Ion Ratio Lower Upper
95 100
174 83.7 0.0 162.4
176 82.9 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Tgt Ion: 117 Resp: 107153
Ion Ratio Lower Upper
117 100
82 56.6 44.9 67.3
119 33.4 25.4 38.0

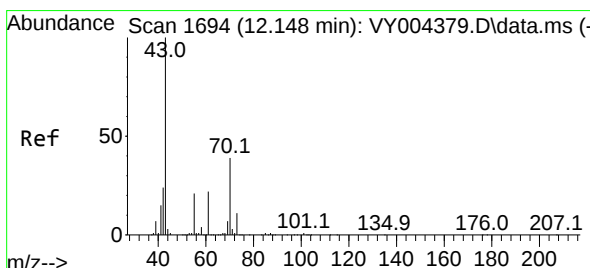
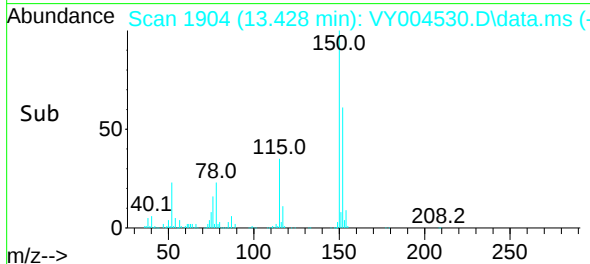
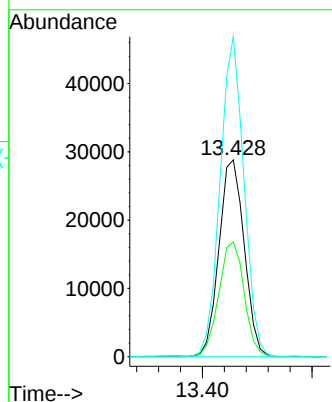
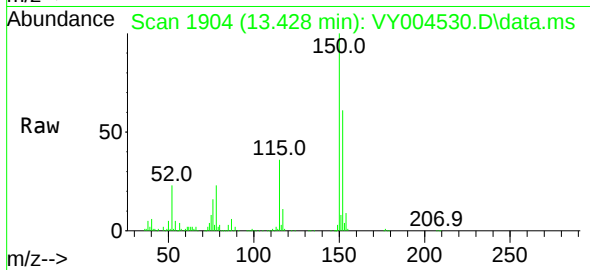




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

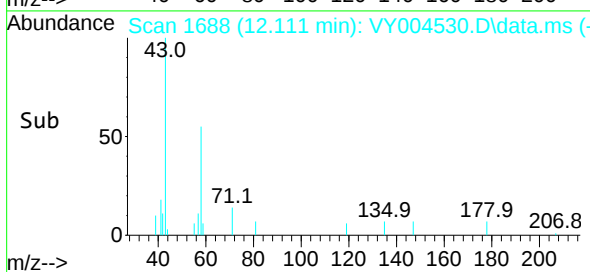
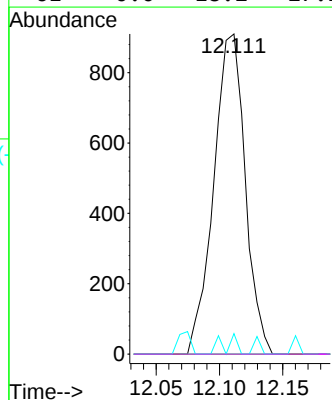
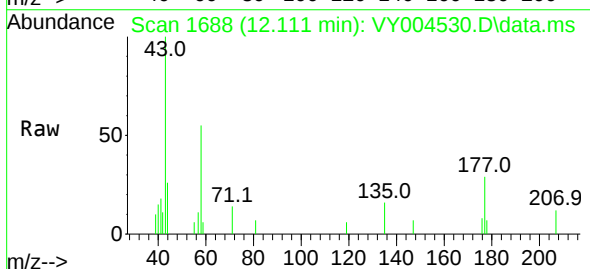
Instrument :
MSVOA_Y
ClientSampled :

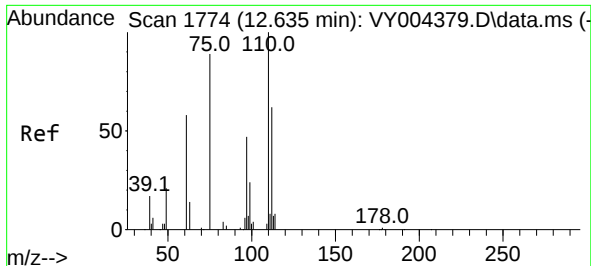
Tgt Ion:152 Resp: 46042
Ion Ratio Lower Upper
152 100
115 59.6 29.6 88.8
150 153.3 0.0 348.4



#74
N-ethyl acetate
Concen: 1.31 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.036 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
70 0.0 30.4 45.6#
55 2.5 17.4 26.0#
61 0.0 18.2 27.2#

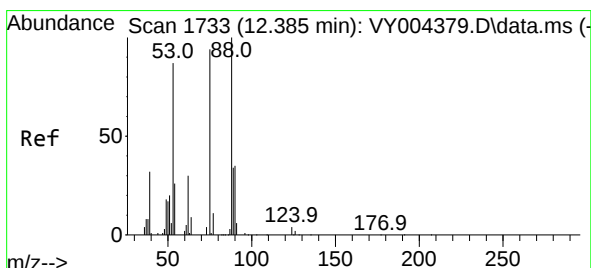
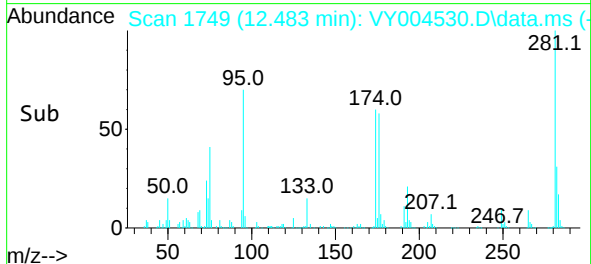
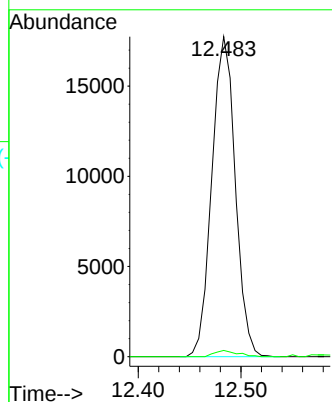
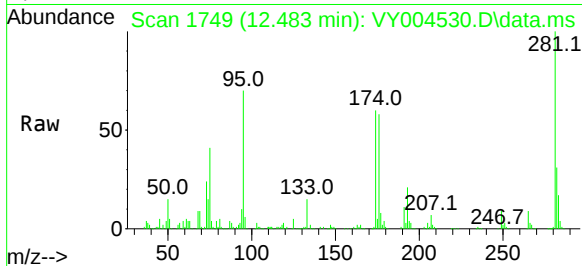




#76
1,2,3-Trichloropropane
Concen: 56.82 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

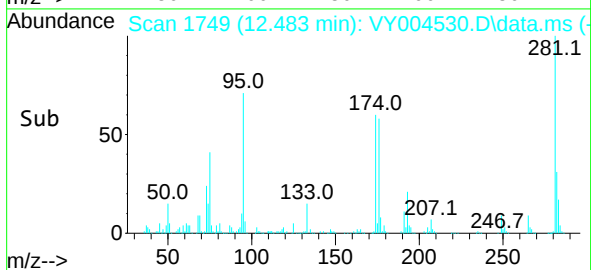
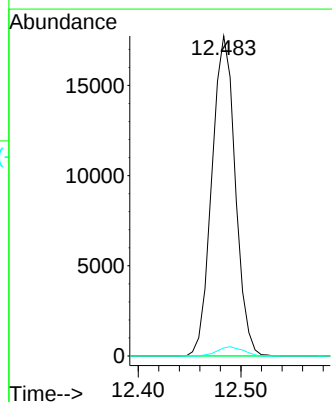
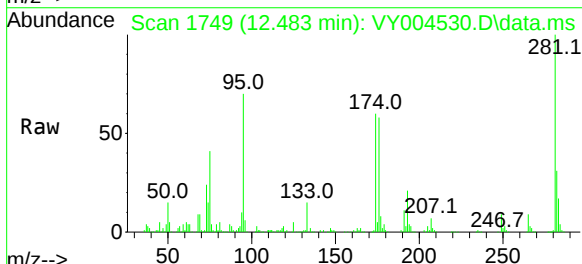
Instrument :
MSVOA_Y
ClientSampled :

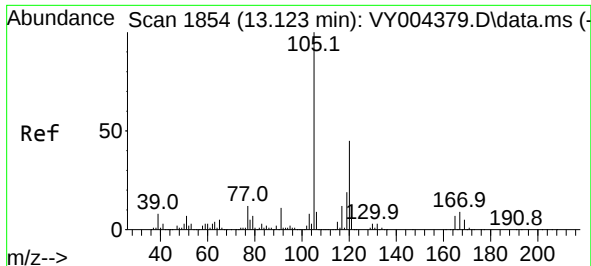
Tgt Ion: 75 Resp: 28080
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.65 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Tgt Ion: 75 Resp: 28080
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 3.1 36.1 54.1#

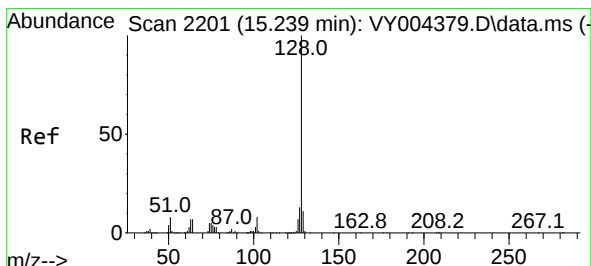
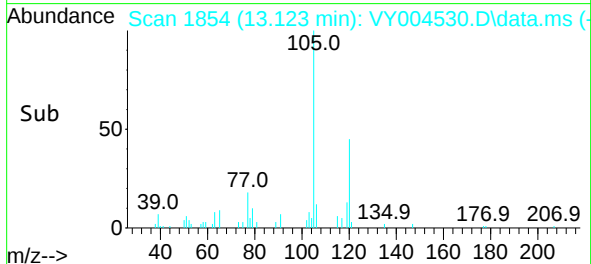
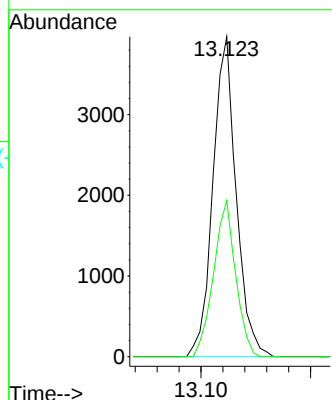
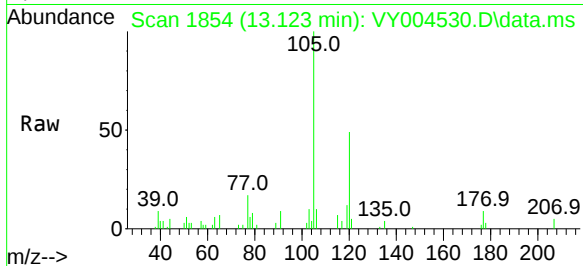




#84
1,2,4-Trimethylbenzene
Concen: 2.00 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:105 Resp: 5826
Ion Ratio Lower Upper
105 100
120 46.4 22.4 67.3



#95
Naphthalene
Concen: 4.81 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004530.D
Acq: 20 Apr 2021 15:44

Tgt Ion:128 Resp: 9134
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 10.3 8.8 13.2

