

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080621\
 Data File : VY005577.D
 Acq On : 06 Aug 2021 17:44
 Operator : SY/MD
 Sample : M3289-09
 Misc : 1.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 07 06:20:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

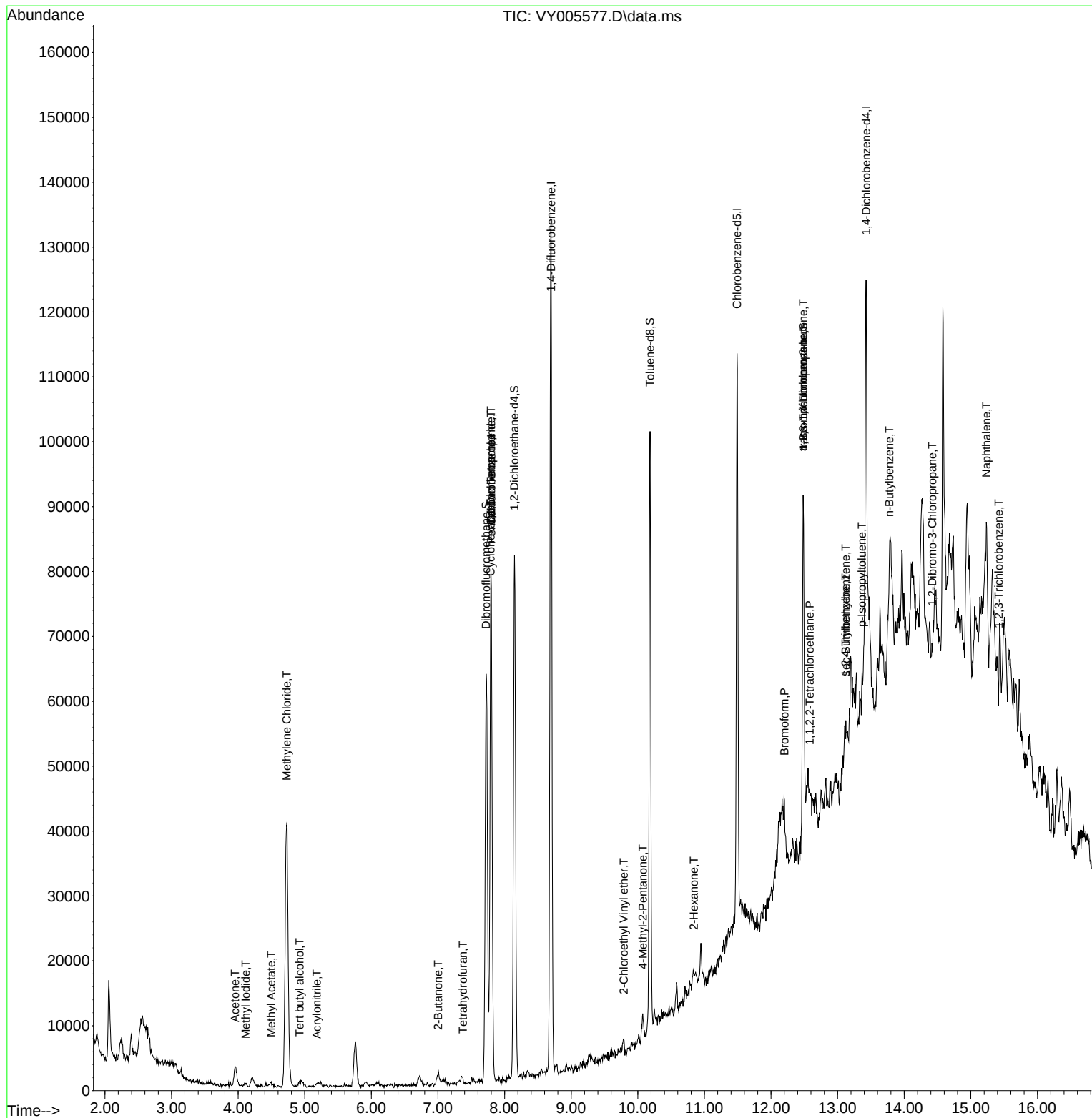
Internal Standards						
1) Pentafluorobenzene	7.801	168	62615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	112372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	47263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	12011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	65527	103.384	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 206.760%#			
35) Dibromofluoromethane	7.722	113	44504	70.737	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 141.480%			
50) Toluene-d8	10.185	98	59721	22.634	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 45.260%#			
62) 4-Bromofluorobenzene	12.483	95	14135	16.177	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 32.360%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.113	142	866	1.301	ug/l #	65
11) Tert butyl alcohol	4.924	59	579	9.241	ug/l #	73
15) Acrylonitrile	5.180	53	485	2.750	ug/l #	38
16) Acetone	3.954	43	5414	33.880	ug/l	96
18) Methyl Acetate	4.497	43	1157	2.768	ug/l	93
20) Methylene Chloride	4.729	84	31317	49.366	ug/l	90
25) 2-Butanone	7.003	43	1809	7.658	ug/l #	83
29) Tetrahydrofuran	7.374	42	610	3.904	ug/l #	79
31) Cyclohexane	7.789	56	1355	1.246	ug/l #	38
36) 1,1-Dichloropropene	7.795	75	4615	4.379	ug/l #	47
38) Carbon Tetrachloride	7.795	117	5983	5.223	ug/l #	18
51) 4-Methyl-2-Pentanone	10.075	43	2661	4.180	ug/l #	85
58) 2-Chloroethyl Vinyl ether	9.789	63	647	1.497	ug/l #	60
59) 2-Hexanone	10.843	43	1402	3.116	ug/l	89
71) Bromoform	12.203	173	248	1.068	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.581	83	381	2.363	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	7594	61.011	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7594	122.991	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	1127	1.642	ug/l	81
85) sec-Butylbenzene	13.123	105	1256	1.395	ug/l	84
86) p-Isopropyltoluene	13.367	119	1216	1.573	ug/l #	73
89) n-Butylbenzene	13.776	91	1049	1.498	ug/l #	69
92) 1,2-Dibromo-3-Chloropr...	14.422	75	48	1.570	ug/l	82
95) Naphthalene	15.233	128	12701	26.420	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.422	180	279	1.291	ug/l #	5

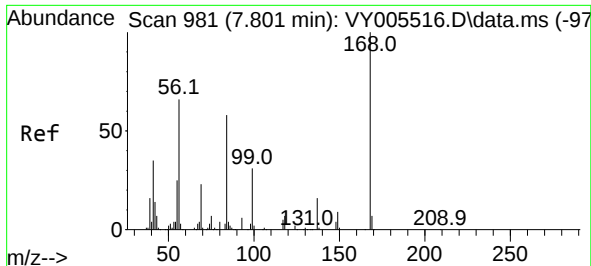
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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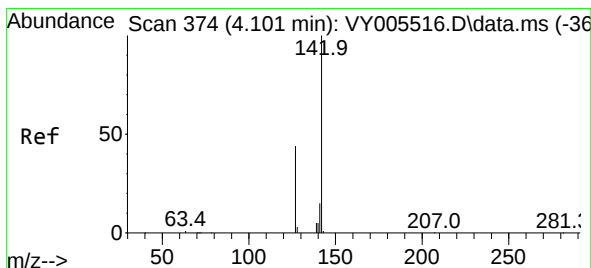
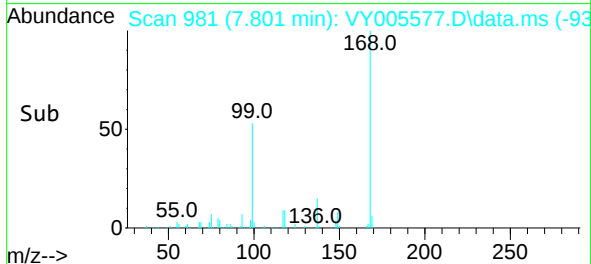
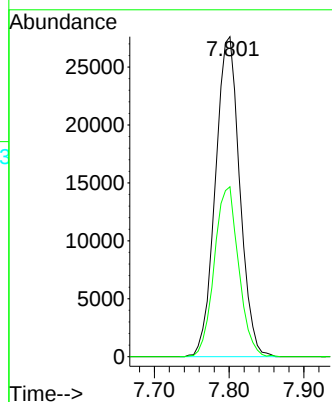
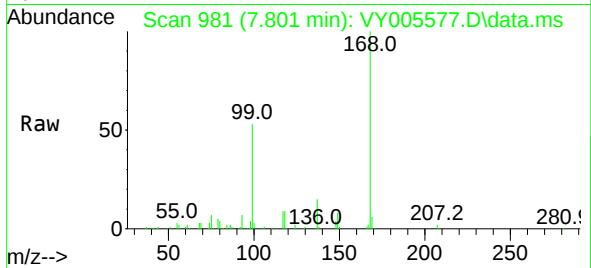




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

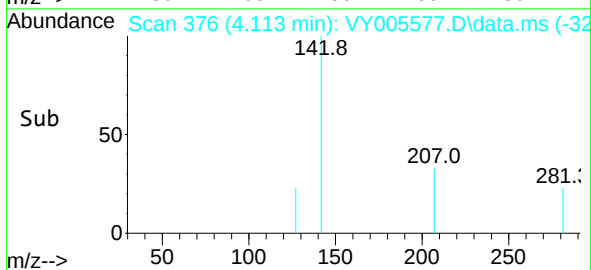
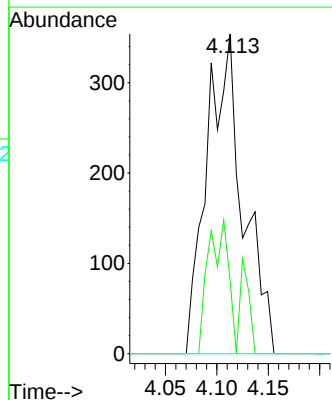
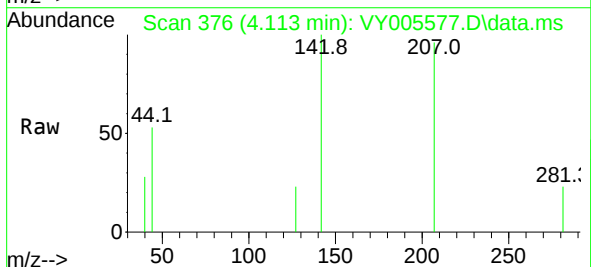
Instrument :
MSVOA_Y
ClientSampled :

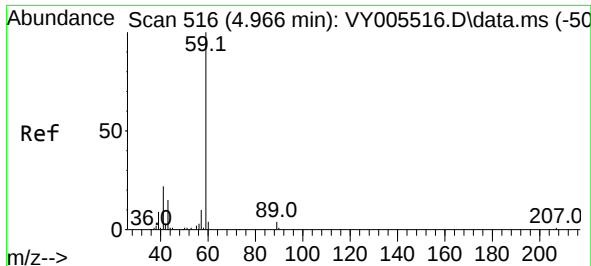
Tgt Ion:168 Resp: 62615
Ion Ratio Lower Upper
168 100
99 53.1 38.9 58.3



#10
Methyl Iodide
Concen: 1.301 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion:142 Resp: 866
Ion Ratio Lower Upper
142 100
127 23.2 36.6 54.8#
141 0.0 12.2 18.4#

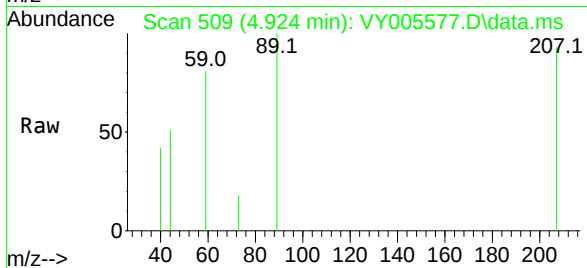




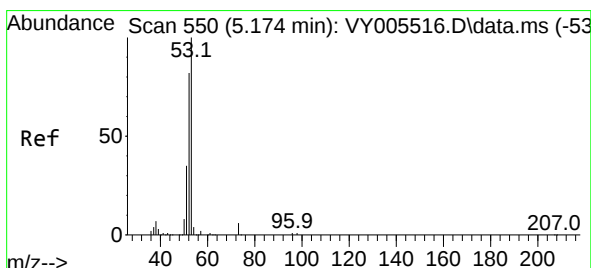
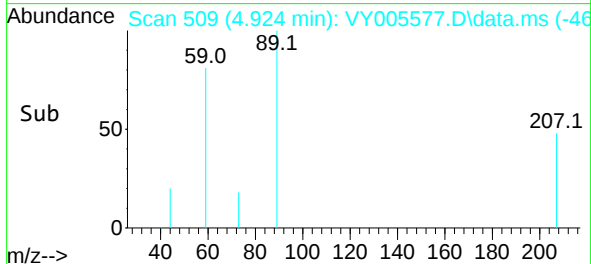
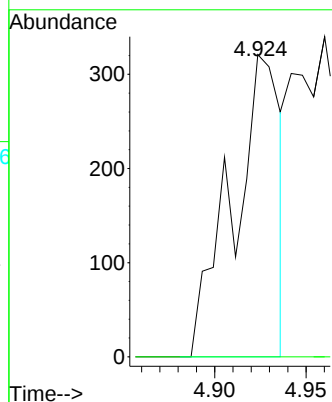
#11

Tert butyl alcohol
Concen: 9.241 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.043 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Instrument :
MSVOA_Y
ClientSampled :



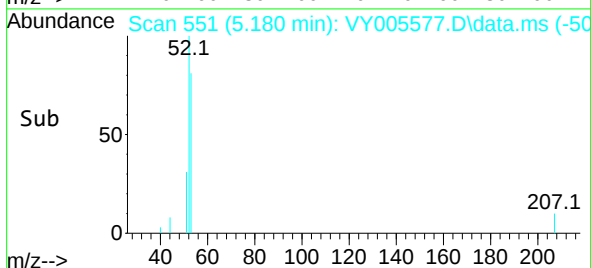
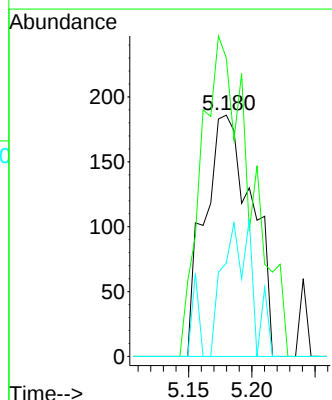
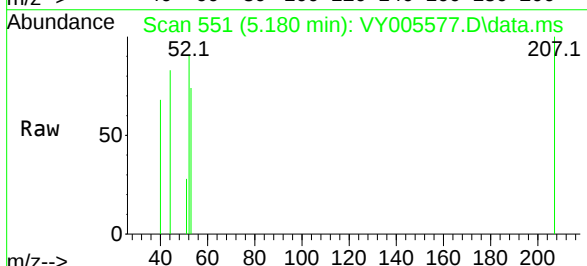
Tgt Ion: 59 Resp: 579
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

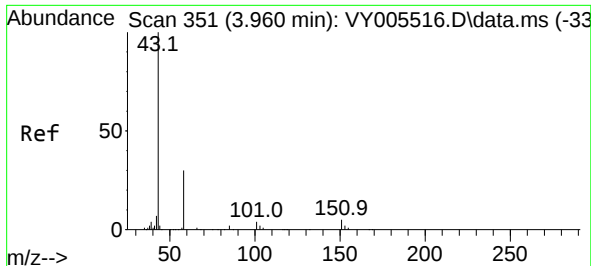


#15

Acrylonitrile
Concen: 2.750 ug/l
RT: 5.180 min Scan# 551
Delta R.T. 0.006 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion: 53 Resp: 485
Ion Ratio Lower Upper
53 100
52 138.8 66.6 99.8#
51 0.0 29.9 44.9#

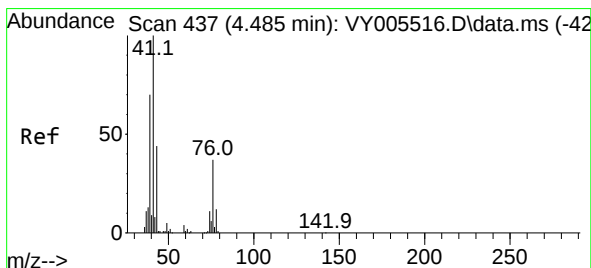
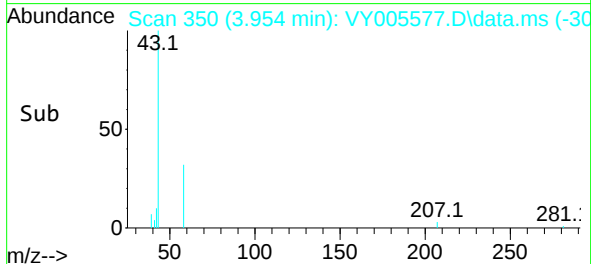
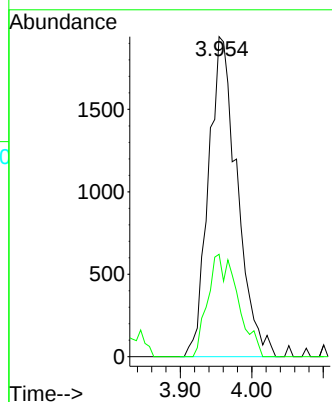
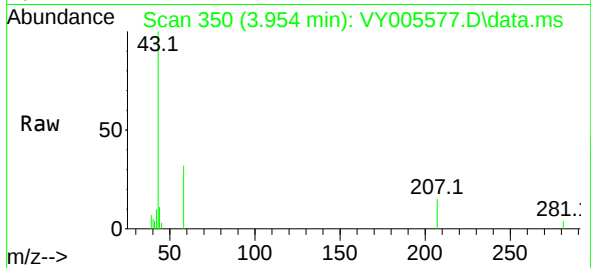




#16
Acetone
Concen: 33.880 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

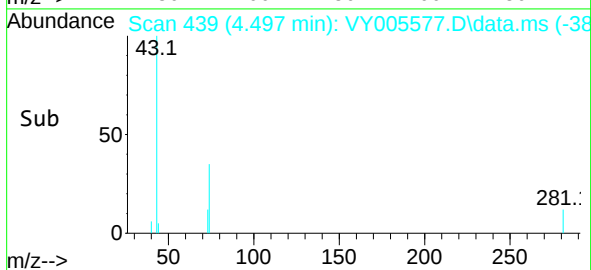
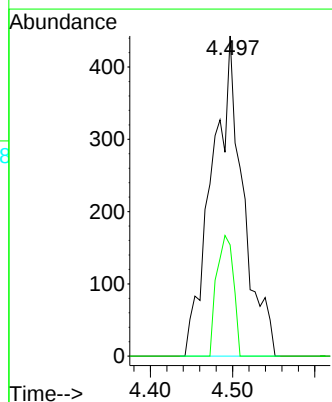
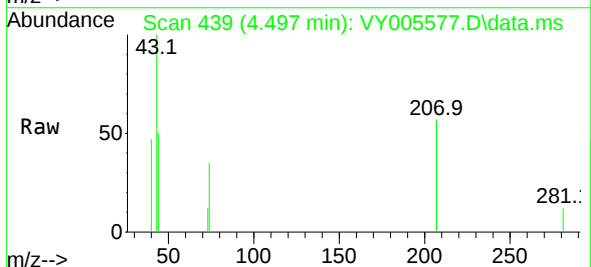
Instrument :
MSVOA_Y
ClientSampleId :

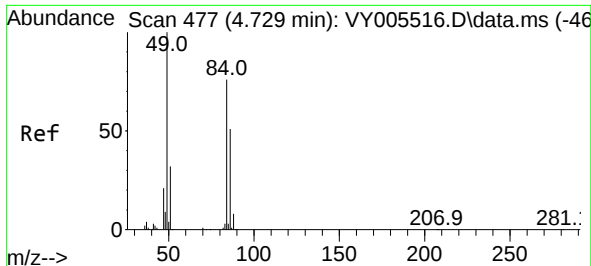
Tgt Ion: 43 Resp: 5414
Ion Ratio Lower Upper
43 100
58 32.0 23.8 35.6



#18
Methyl Acetate
Concen: 2.768 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
74 20.5 19.0 28.6





#20

Methylene Chloride

Concen: 49.366 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.000 min

Lab File: VY005577.D

Acq: 06 Aug 2021 17:44

Tgt Ion: 84 Resp: 31317

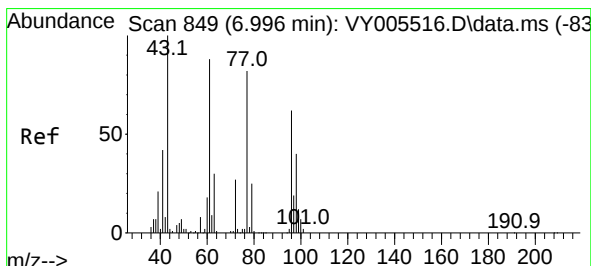
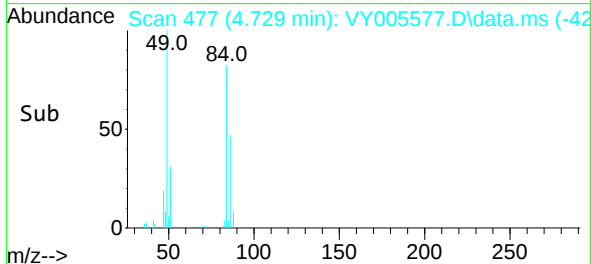
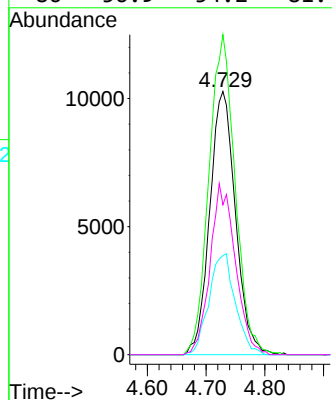
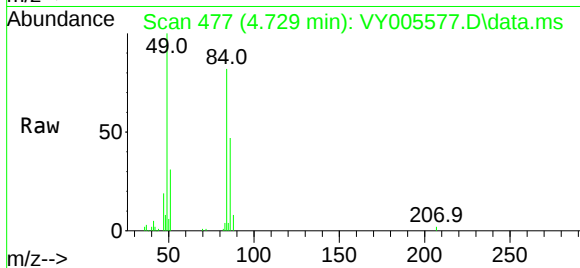
Ion Ratio Lower Upper

84 100

49 121.5 105.8 158.6

51 37.6 33.4 50.2

86 56.9 54.2 81.4



#25

2-Butanone

Concen: 7.658 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY005577.D

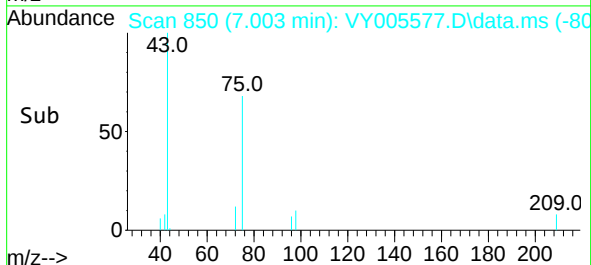
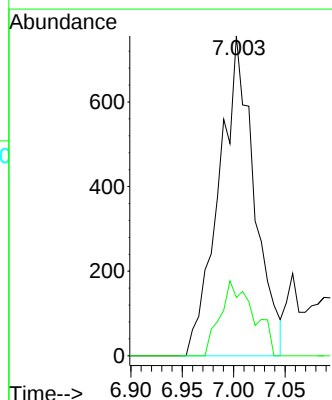
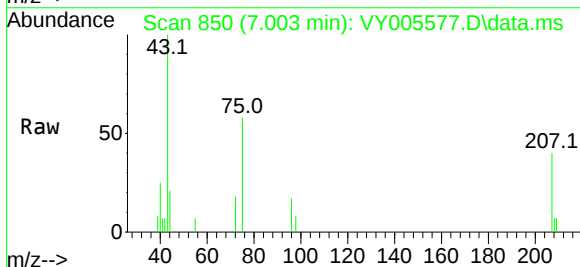
Acq: 06 Aug 2021 17:44

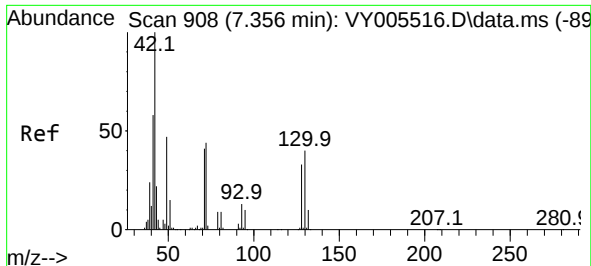
Tgt Ion: 43 Resp: 1809

Ion Ratio Lower Upper

43 100

72 18.3 21.4 32.2#





#29

Tetrahydrofuran

Concen: 3.904 ug/l

RT: 7.374 min Scan# 911

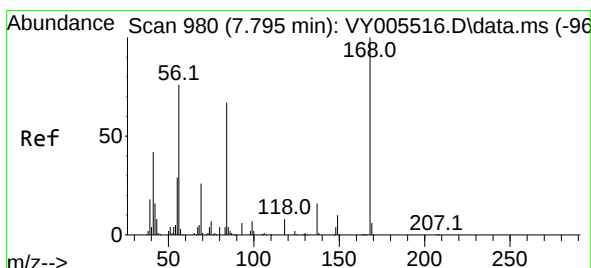
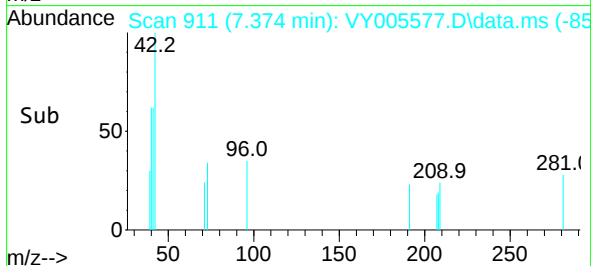
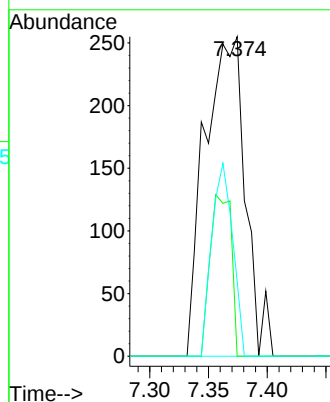
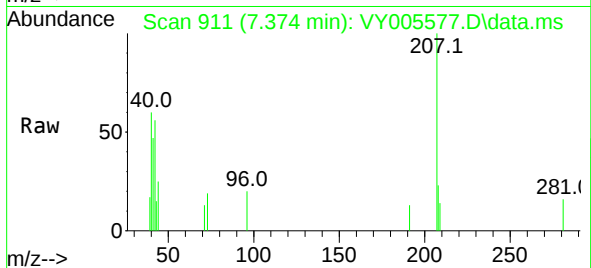
Delta R.T. 0.018 min

Lab File: VY005577.D

Acq: 06 Aug 2021 17:44

Tgt Ion:	42	Resp:	610
Ion	Ratio	Lower	Upper
42	100		
72	26.6	35.0	52.4#
71	31.5	33.3	49.9#

Instrument :
MSVOA_Y
ClientSampleId :



#31

Cyclohexane

Concen: 1.246 ug/l

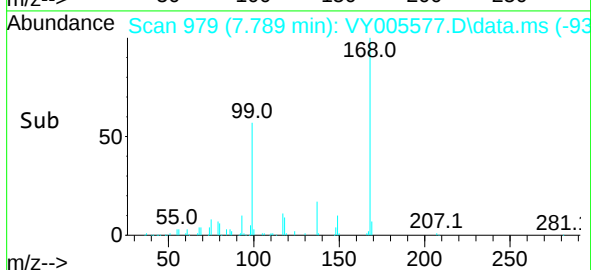
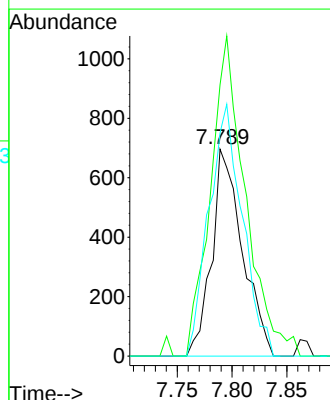
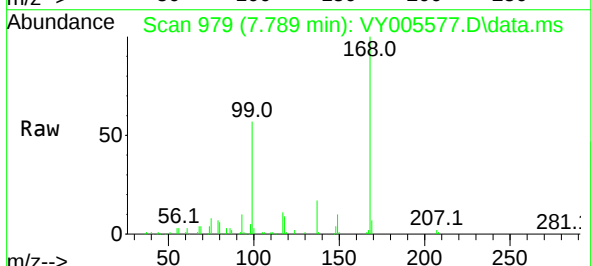
RT: 7.789 min Scan# 979

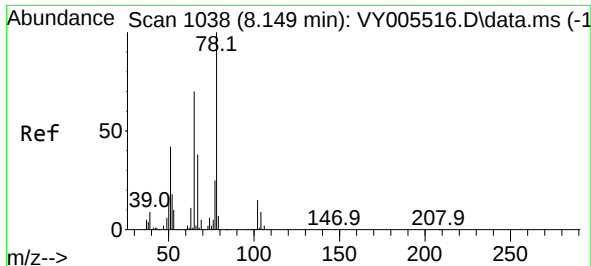
Delta R.T. -0.006 min

Lab File: VY005577.D

Acq: 06 Aug 2021 17:44

Tgt Ion:	56	Resp:	1355
Ion	Ratio	Lower	Upper
56	100		
69	131.2	27.7	41.5#
84	107.9	70.9	106.3#



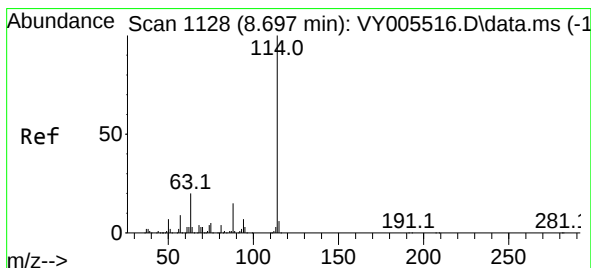
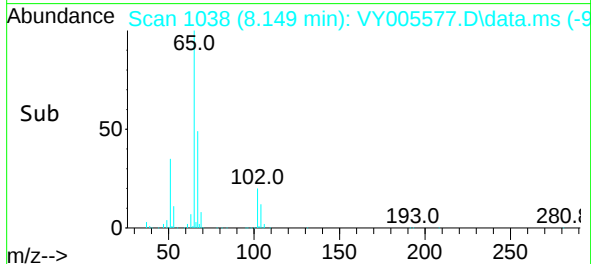
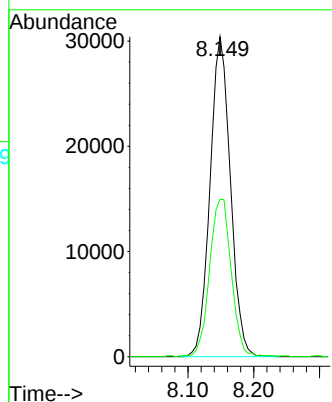
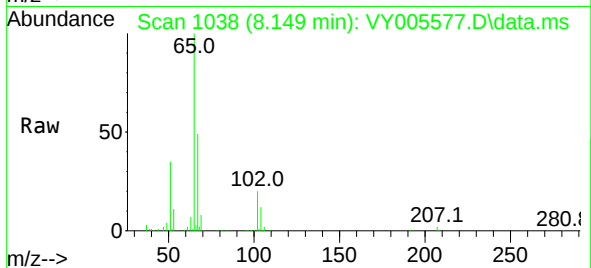


#33

1,2-Dichloroethane-d4
Concen: 103.384 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Instrument :
MSVOA_Y
ClientSampleId :

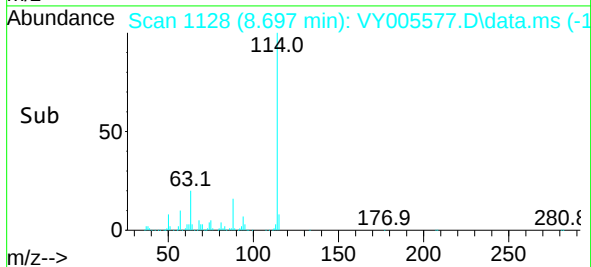
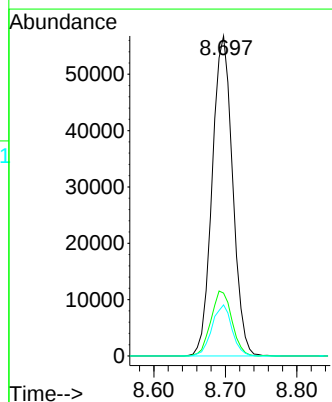
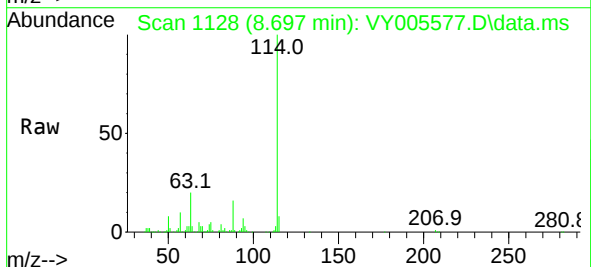
Tgt Ion: 65 Resp: 65527
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4

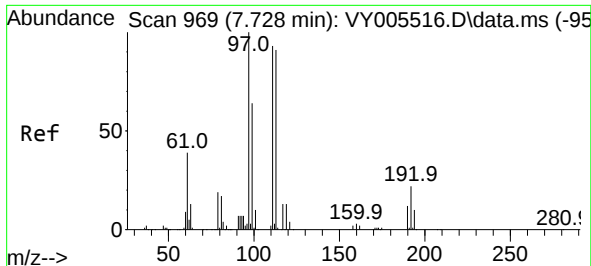


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion: 114 Resp: 112372
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.2
88 16.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 70.737 ug/l

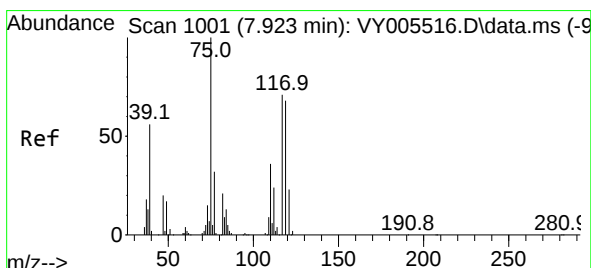
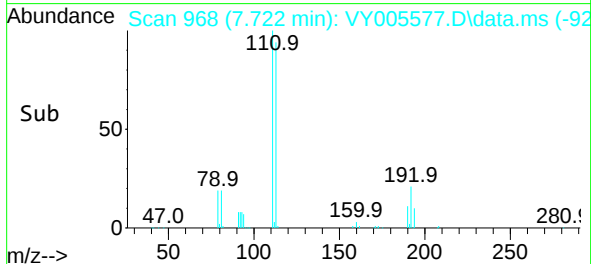
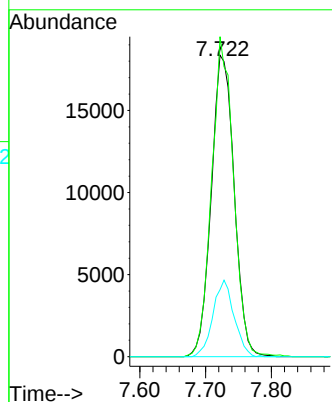
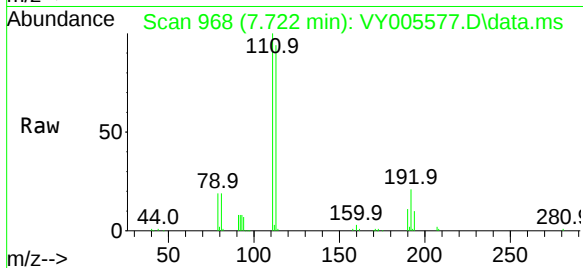
RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY005577.D

Acq: 06 Aug 2021 17:44

Tgt Ion:	113	Resp:	44504
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	23.4	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.379 ug/l

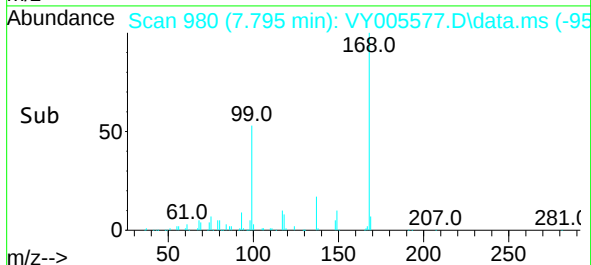
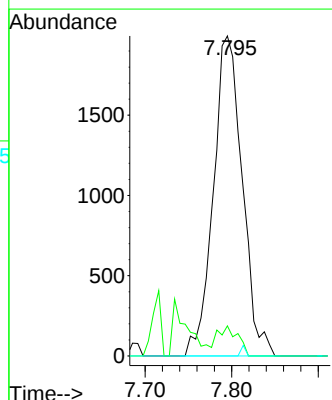
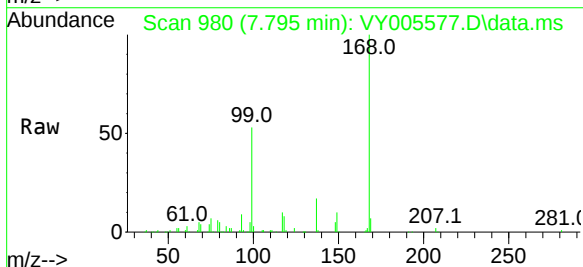
RT: 7.795 min Scan# 980

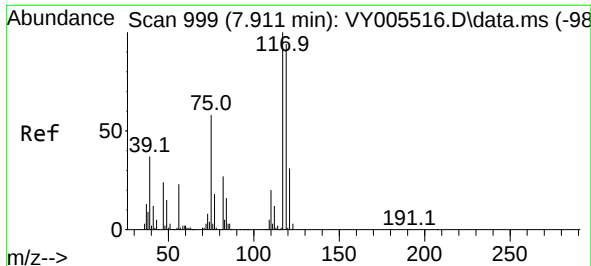
Delta R.T. -0.128 min

Lab File: VY005577.D

Acq: 06 Aug 2021 17:44

Tgt Ion:	75	Resp:	4615
Ion	Ratio	Lower	Upper
75	100		
110	6.5	18.1	54.1#
77	0.5	25.1	37.7#

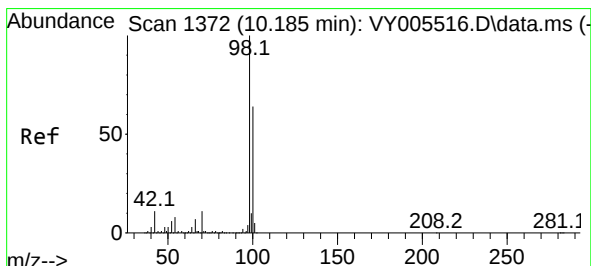
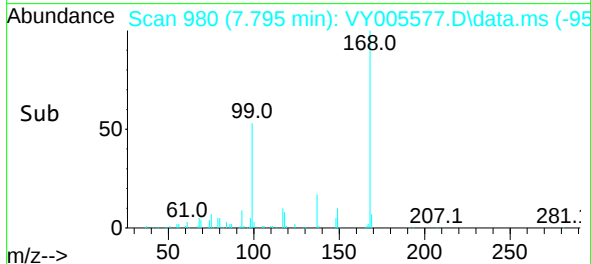
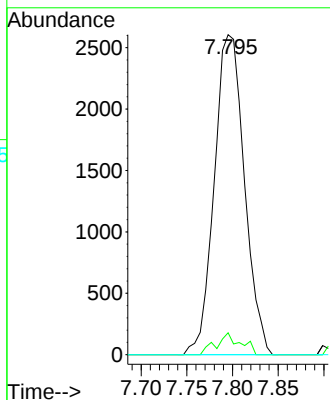
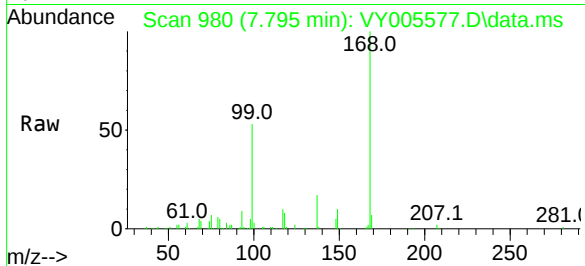




#38
Carbon Tetrachloride
Concen: 5.223 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

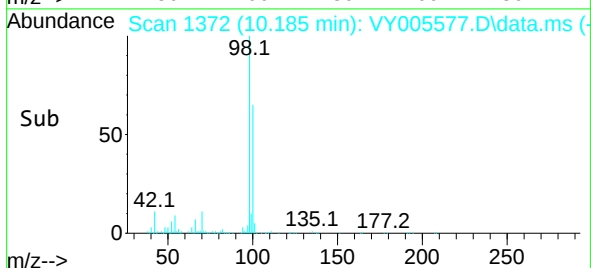
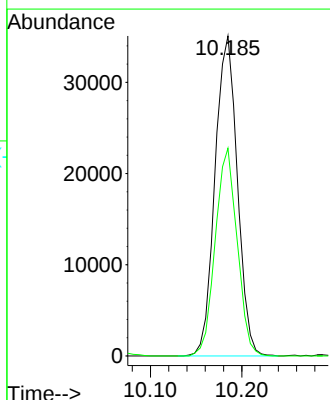
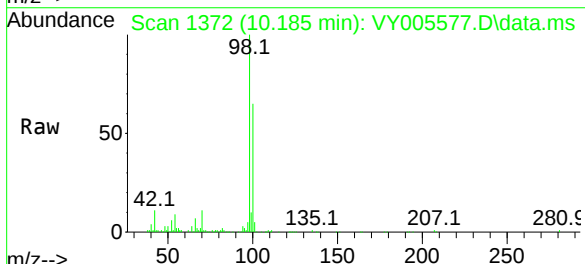
Instrument :
MSVOA_Y
ClientSampled :

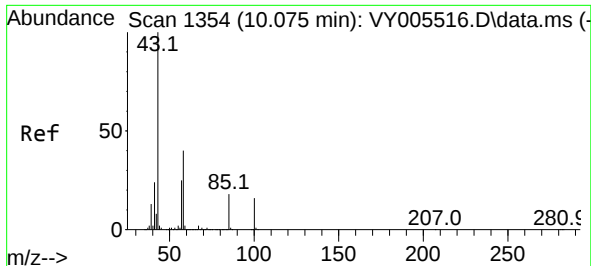
Tgt Ion:117 Resp: 5983
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.0#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 22.634 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion: 98 Resp: 59721
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9

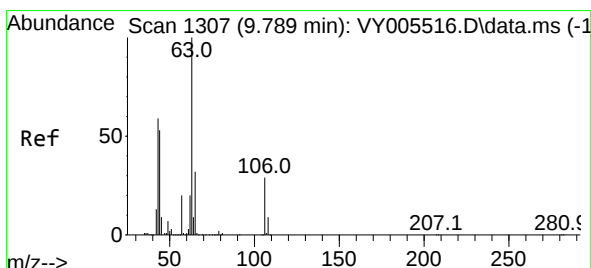
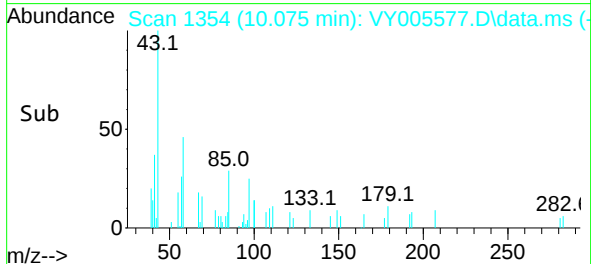
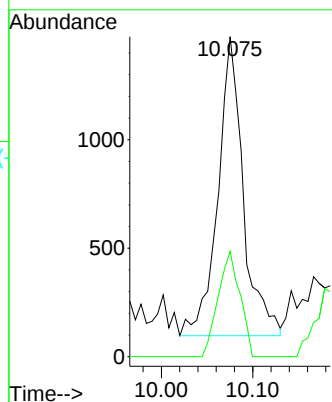
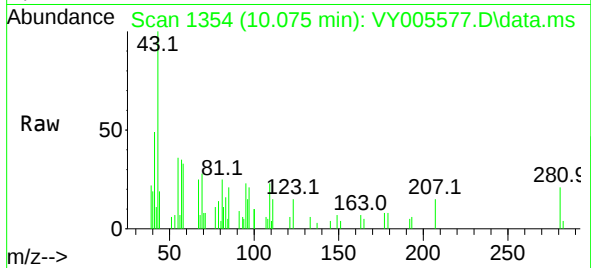




#51
4-Methyl-2-Pentanone
Concen: 4.180 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

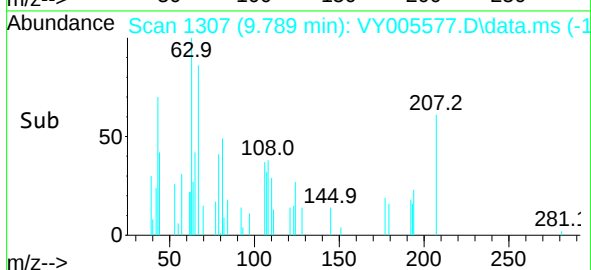
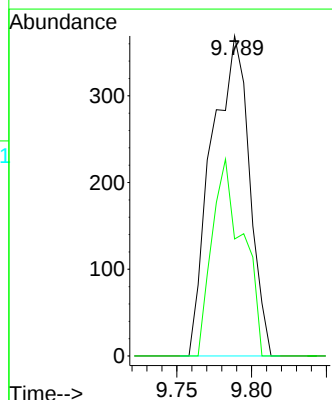
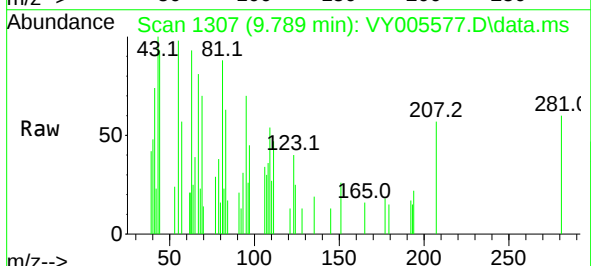
Instrument :
MSVOA_Y
ClientSampled :

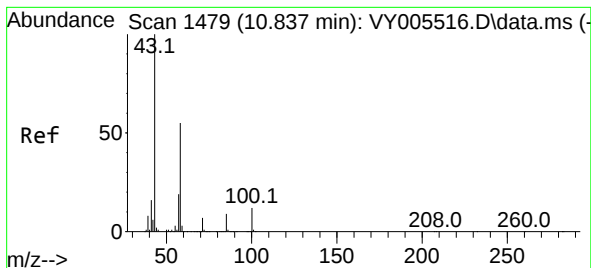
Tgt Ion: 43 Resp: 2661
Ion Ratio Lower Upper
43 100
58 30.3 31.4 47.2#



#58
2-Chloroethyl Vinyl ether
Concen: 1.497 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion: 63 Resp: 647
Ion Ratio Lower Upper
63 100
106 50.2 23.1 34.7#

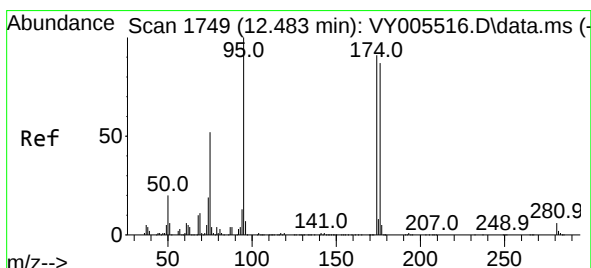
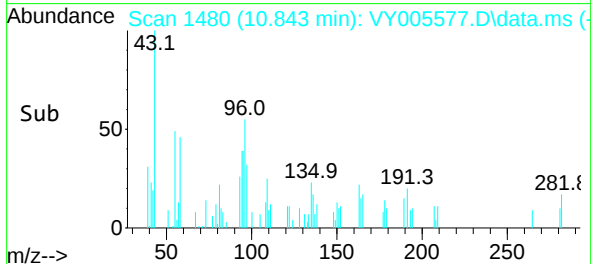
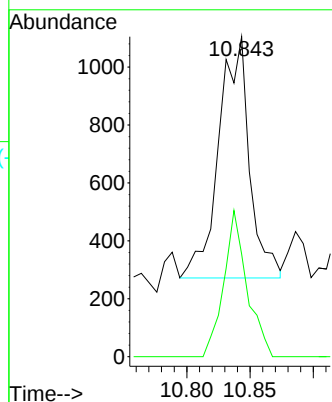
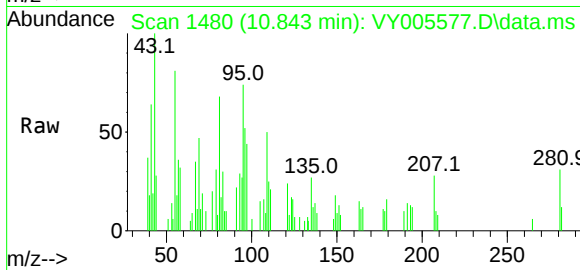




#59
2-Hexanone
Concen: 3.116 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

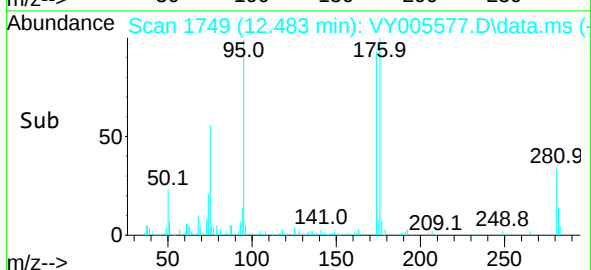
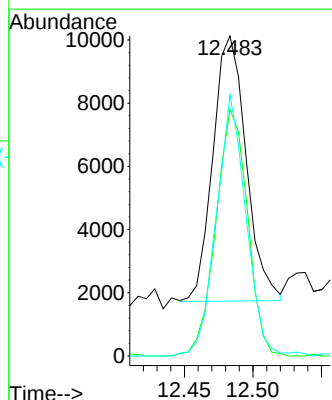
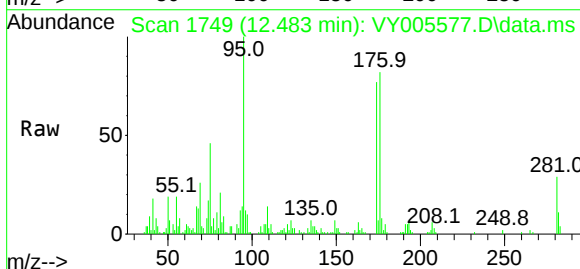
Instrument :
MSVOA_Y
ClientSampled :

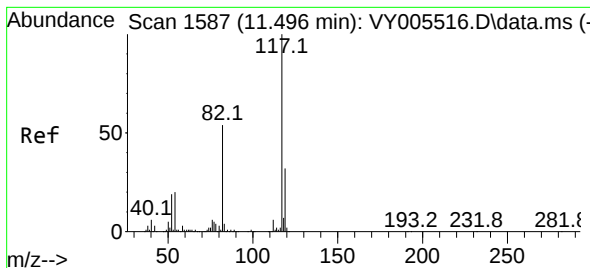
Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 45.9 27.1 81.2



#62
4-Bromofluorobenzene
Concen: 16.177 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion: 95 Resp: 14135
Ion Ratio Lower Upper
95 100
174 88.6 0.0 191.4
176 88.0 0.0 183.6

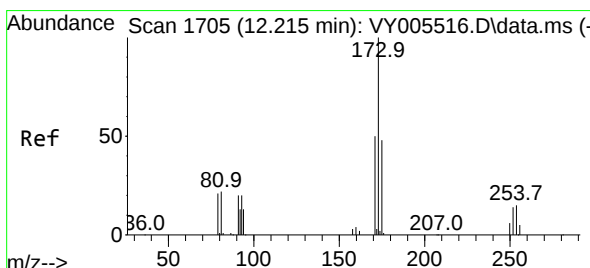
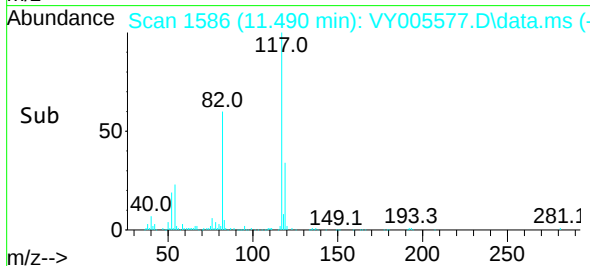
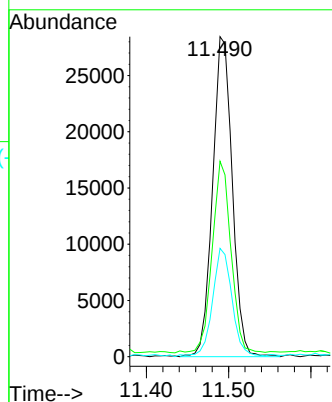
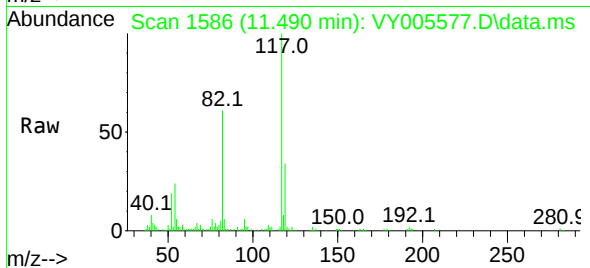




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

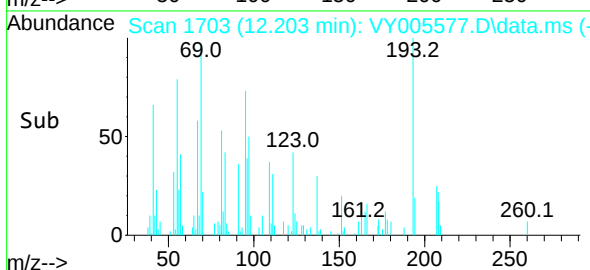
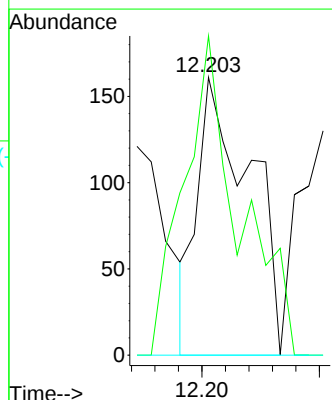
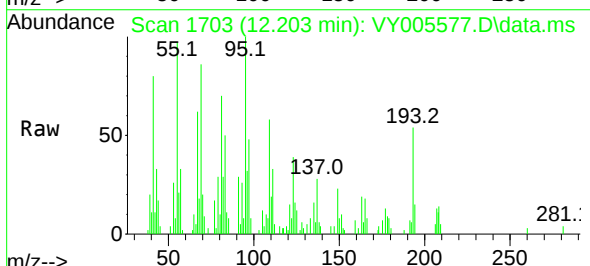
Instrument :
MSVOA_Y
ClientSampleId :

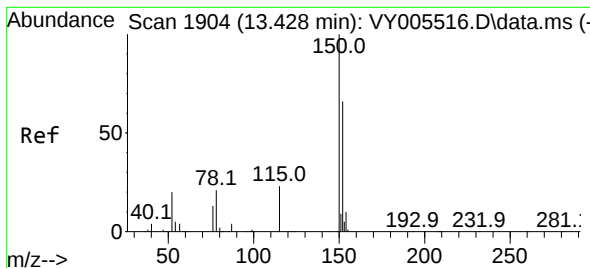
Tgt Ion:	117	Resp:	47263
Ion Ratio	Lower	Upper	
117	100		
82	59.6	43.5	65.3
119	33.4	25.5	38.3



#71
Bromoform
Concen: 1.068 ug/l
RT: 12.203 min Scan# 1703
Delta R.T. -0.012 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion:	173	Resp:	248
Ion Ratio	Lower	Upper	
173	100		
175	122.2	24.3	72.9#
254	0.0	0.2	0.2#

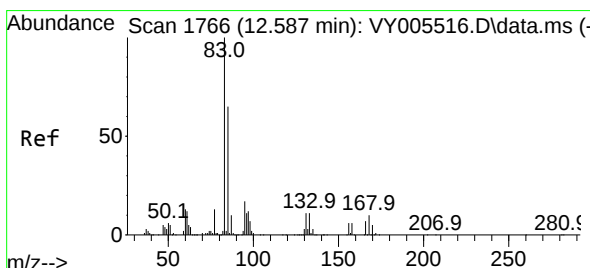
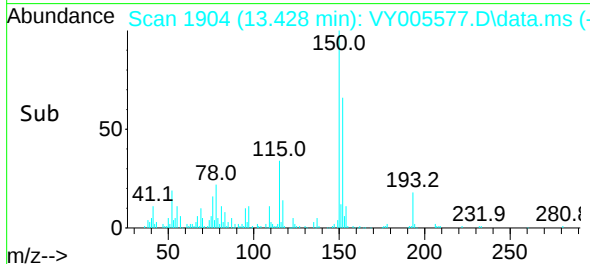
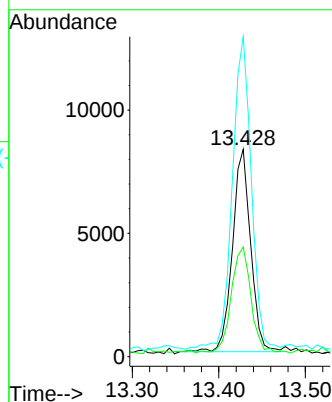
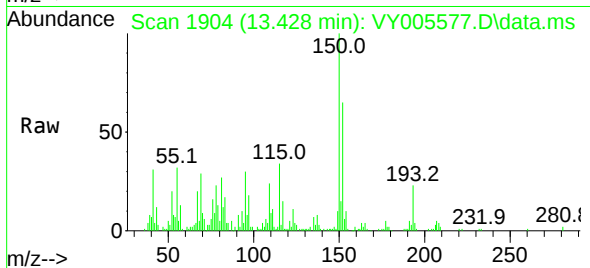




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005577.D
 Acq: 06 Aug 2021 17:44

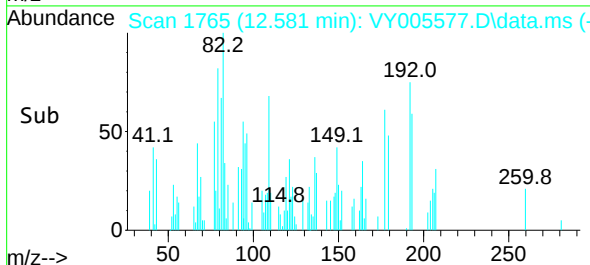
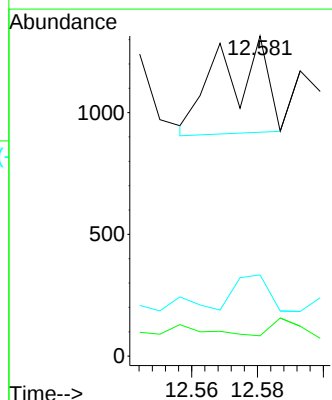
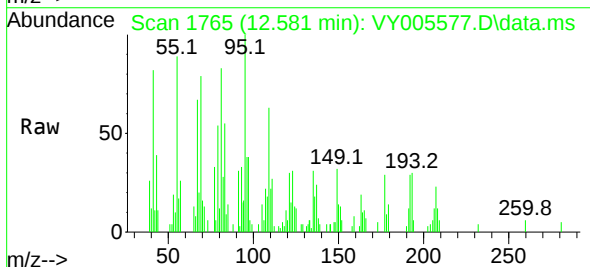
Instrument :
 MSVOA_Y
 ClientSampleId :

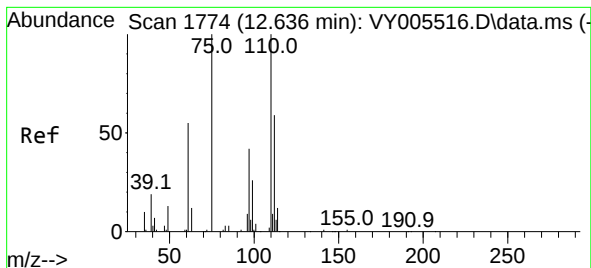
Tgt Ion:152 Resp: 12011
 Ion Ratio Lower Upper
 152 100
 115 56.5 27.3 81.9
 150 160.6 0.0 350.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.363 ug/l
 RT: 12.581 min Scan# 1765
 Delta R.T. -0.006 min
 Lab File: VY005577.D
 Acq: 06 Aug 2021 17:44

Tgt Ion: 83 Resp: 381
 Ion Ratio Lower Upper
 83 100
 131 12.9 5.6 16.8
 85 60.4 32.0 96.2

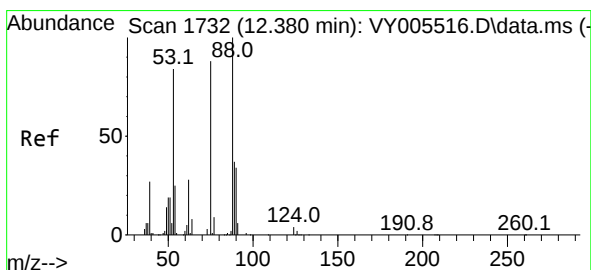
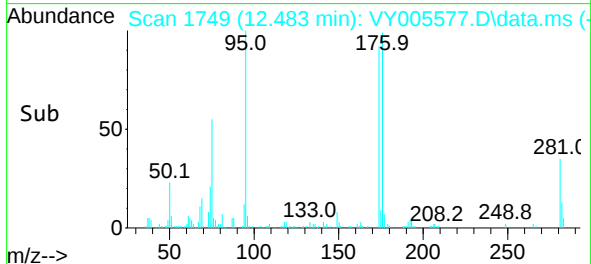
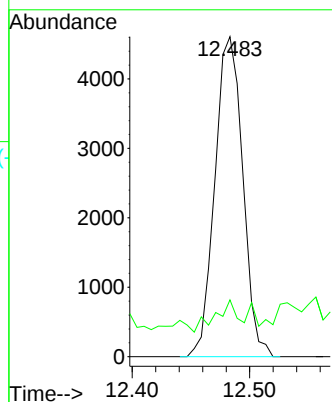
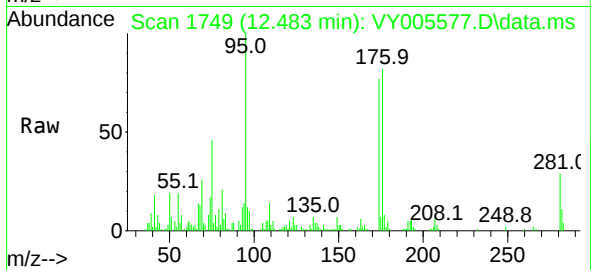




#76
1,2,3-Trichloropropane
Concen: 61.011 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

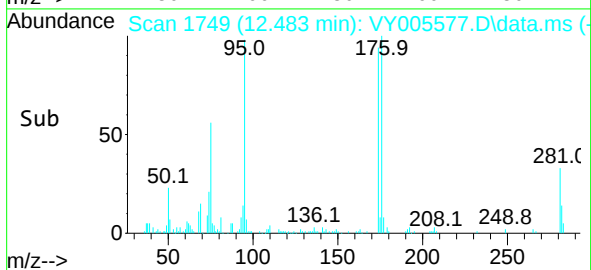
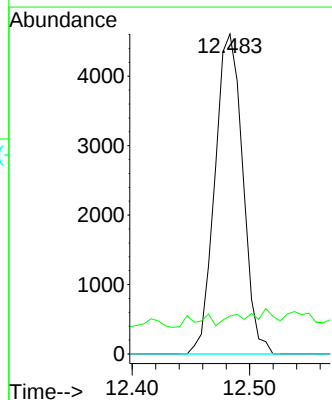
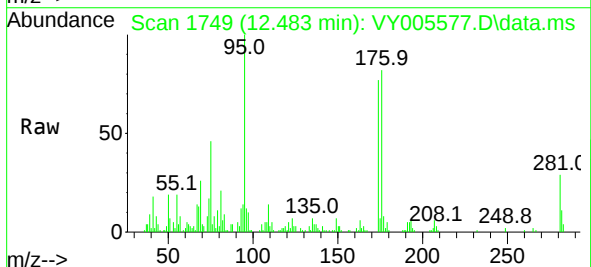
Instrument :
MSVOA_Y
ClientSampleId :

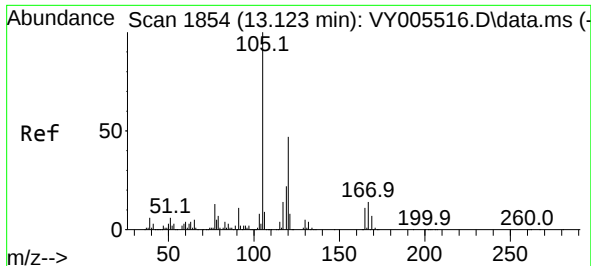
Tgt Ion: 75 Resp: 7594
Ion Ratio Lower Upper
75 100
77 7.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.991 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion: 75 Resp: 7594
Ion Ratio Lower Upper
75 100
53 2.3 76.7 115.1#
89 0.0 38.4 57.6#

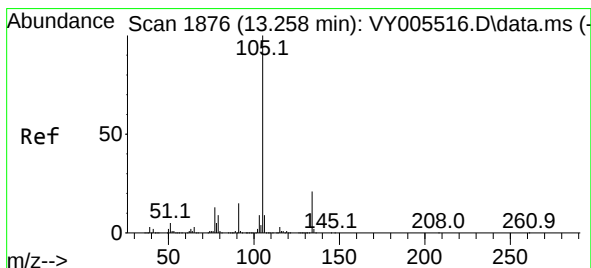
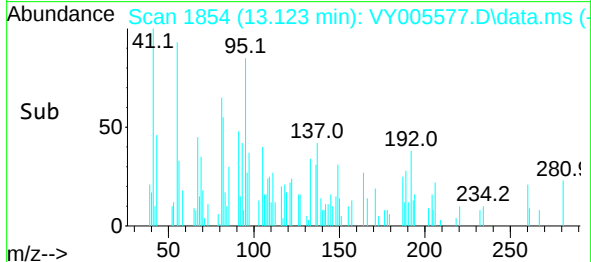
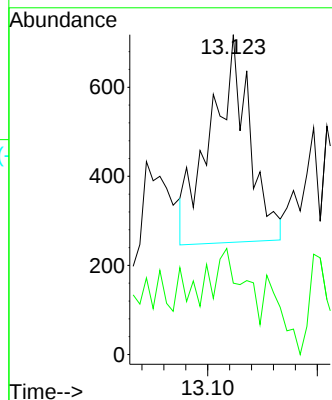
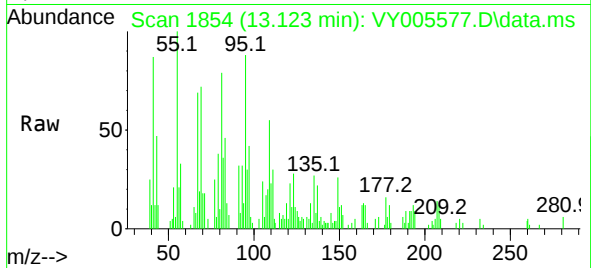




#84
1,2,4-Trimethylbenzene
Concen: 1.642 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

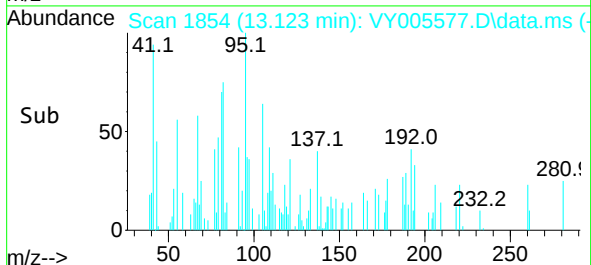
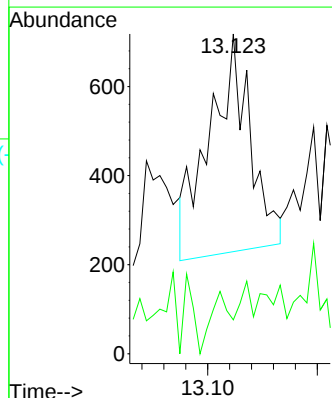
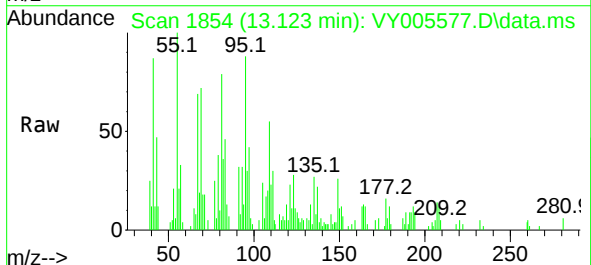
Instrument :
MSVOA_Y
ClientSampled :

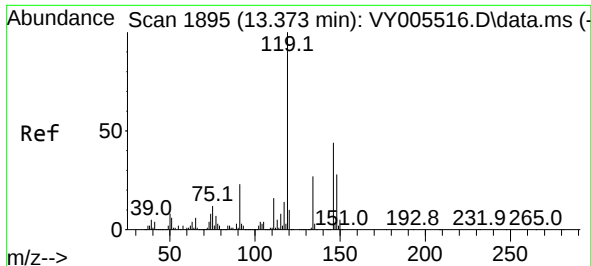
Tgt Ion:105 Resp: 1127
Ion Ratio Lower Upper
105 100
120 33.4 22.9 68.5



#85
sec-Butylbenzene
Concen: 1.395 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.134 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion:105 Resp: 1256
Ion Ratio Lower Upper
105 100
134 13.5 10.5 31.5

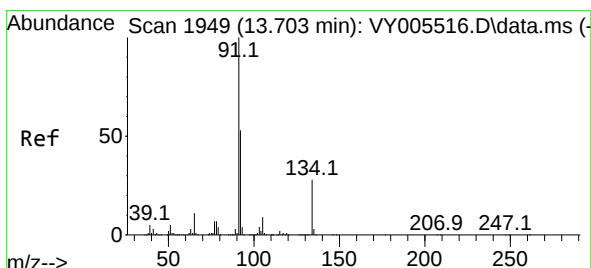
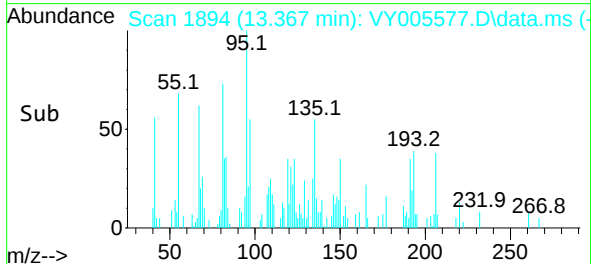
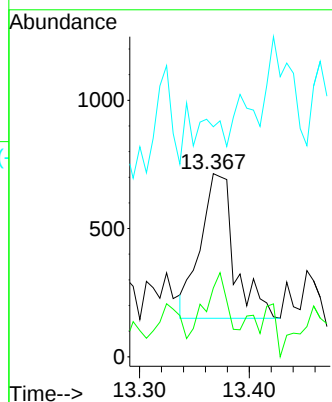
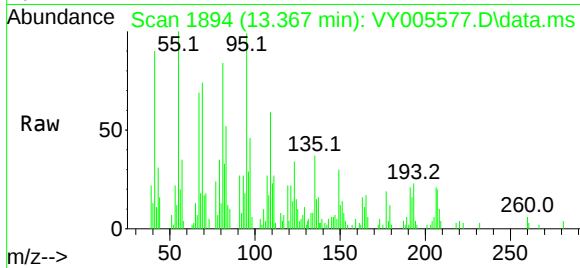




#86
p-Isopropyltoluene
Concen: 1.573 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

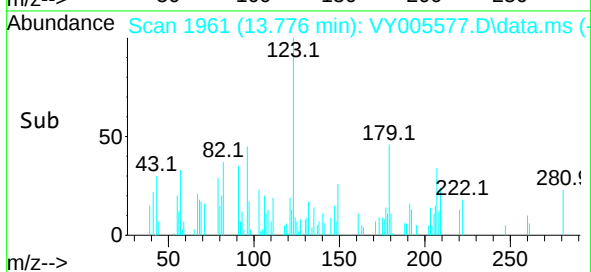
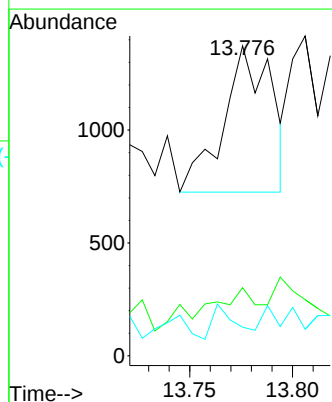
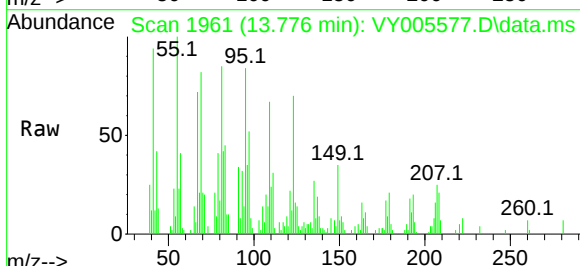
Instrument :
MSVOA_Y
ClientSampleId :

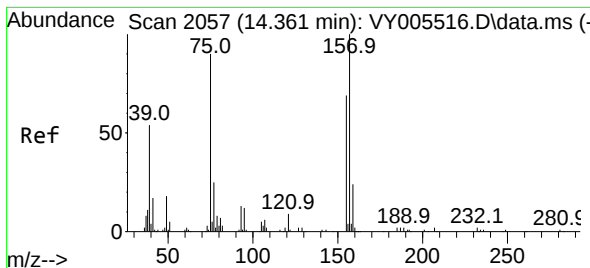
Tgt Ion:119 Resp: 1216
Ion Ratio Lower Upper
119 100
134 32.1 13.6 40.7
91 0.0 11.6 34.7#



#89
n-Butylbenzene
Concen: 1.498 ug/l
RT: 13.776 min Scan# 1961
Delta R.T. 0.073 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion: 91 Resp: 1049
Ion Ratio Lower Upper
91 100
92 30.9 26.7 80.1
134 11.7 13.8 41.4#

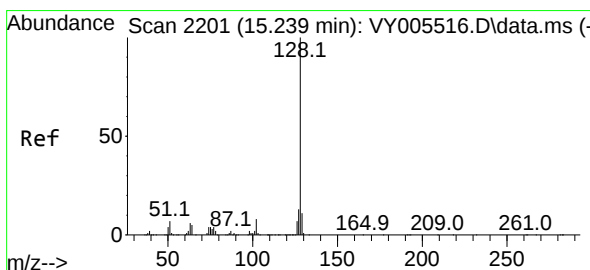
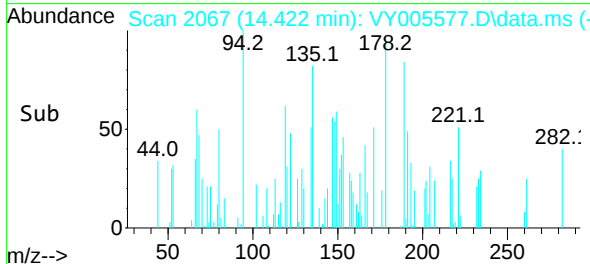
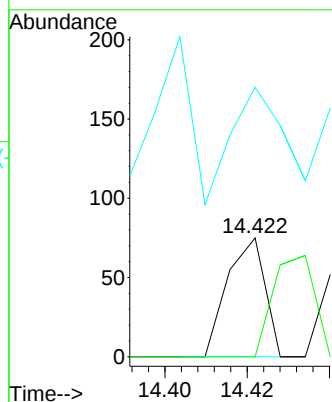
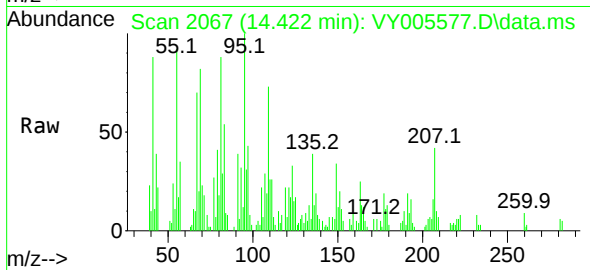




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.570 ug/l
RT: 14.422 min Scan# 2067
Delta R.T. 0.061 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

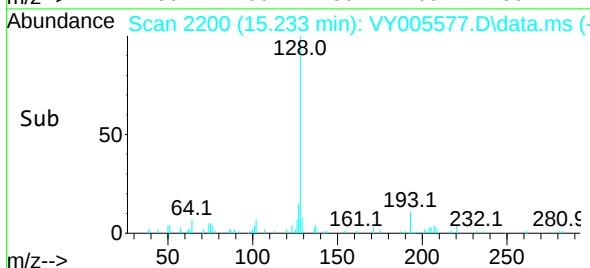
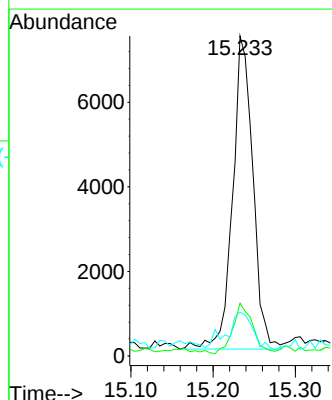
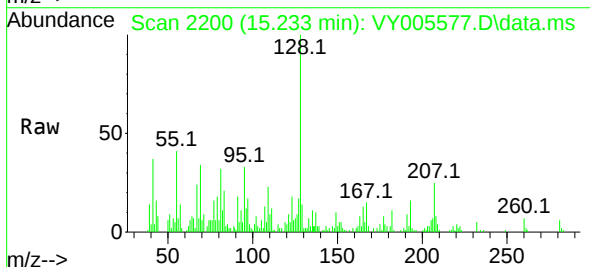
Instrument :
MSVOA_Y
ClientSampled :

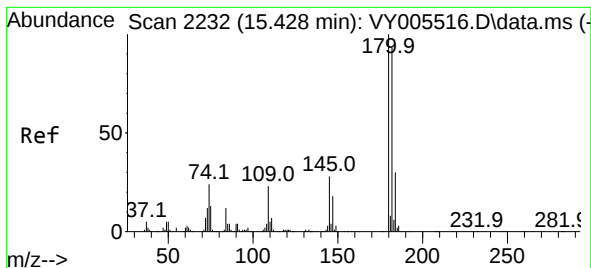
Tgt Ion: 75 Resp: 48
Ion Ratio Lower Upper
75 100
155 93.8 42.4 127.1
157 137.5 56.0 168.2



#95
Naphthalene
Concen: 26.420 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY005577.D
Acq: 06 Aug 2021 17:44

Tgt Ion:128 Resp: 12701
Ion Ratio Lower Upper
128 100
127 15.9 10.6 15.8#
129 13.1 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 1.291 ug/l

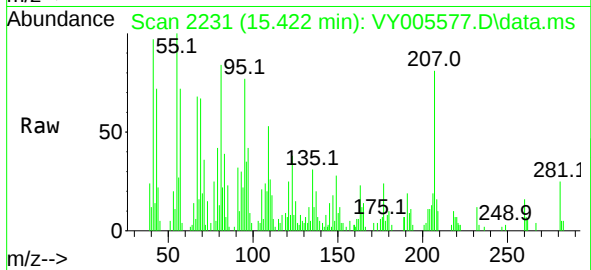
RT: 15.422 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY005577.D

Acq: 06 Aug 2021 17:44

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	180	Resp:	279
Ion	Ratio	Lower	Upper
180	100		
182	55.9	47.9	143.6
145	176.3	14.6	44.0#

