

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080521\
 Data File : VY005557.D
 Acq On : 05 Aug 2021 15:49
 Operator : SY/MD
 Sample : M3289-09
 Misc : 1.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 06 04:40:35 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)

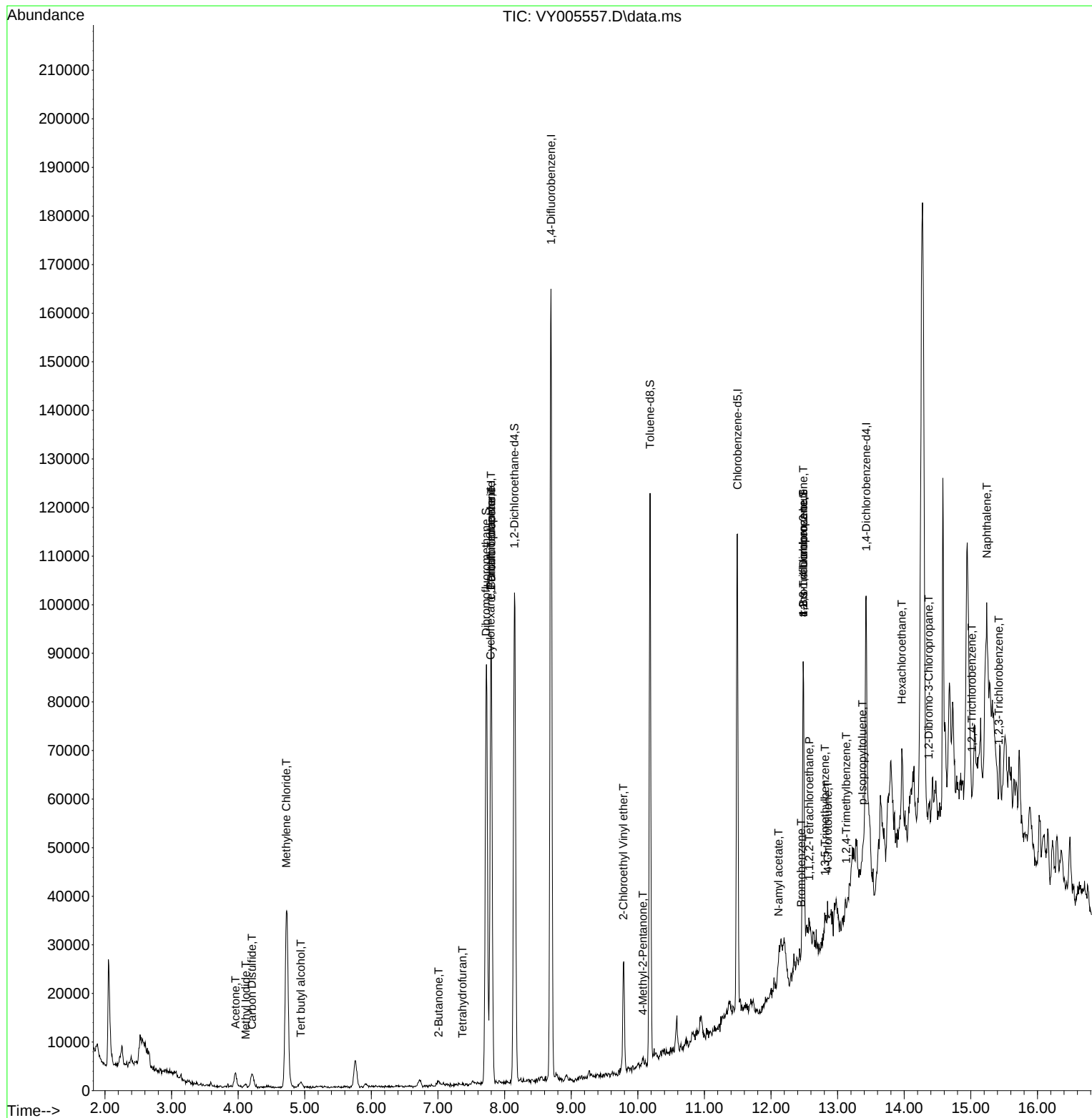
Internal Standards						
1) Pentafluorobenzene	7.795	168	76107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	138239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	52654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82807	107.487	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 214.980%#			
35) Dibromofluoromethane	7.722	113	59235	76.534	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 153.060%#			
50) Toluene-d8	10.185	98	73163	22.540	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 45.080%#			
62) 4-Bromofluorobenzene	12.483	95	14754	13.726	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 27.460%			
Target Compounds						Qvalue
10) Methyl Iodide	4.113	142	822	1.016	ug/l #	83
11) Tert butyl alcohol	4.942	59	788	10.347	ug/l #	73
16) Acetone	3.960	43	4816	24.795	ug/l	94
17) Carbon Disulfide	4.204	76	2782	1.376	ug/l #	83
20) Methylene Chloride	4.722	84	27995	34.480	ug/l	94
25) 2-Butanone	7.009	43	781	2.720	ug/l	98
29) Tetrahydrofuran	7.368	42	220	1.158	ug/l #	33
31) Cyclohexane	7.789	56	1462	1.106	ug/l #	28
36) 1,1-Dichloropropene	7.801	75	5413	4.175	ug/l #	50
38) Carbon Tetrachloride	7.795	117	6794	4.821	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	1110	1.417	ug/l #	79
58) 2-Chloroethyl Vinyl ether	9.783	63	10224	19.229	ug/l	98
74) N-amyl acetate	12.111	43	1088	4.616	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.575	83	395	2.623	ug/l #	33
76) 1,2,3-Trichloropropane	12.483	75	8414	72.378	ug/l #	100
77) Bromobenzene	12.453	156	404	2.100	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.812	105	721	1.109	ug/l	71
81) trans-1,4-Dichloro-2-b...	12.483	75	8414	145.905	ug/l #	11
82) 4-Chlorotoluene	12.855	91	676	1.251	ug/l	96
84) 1,2,4-Trimethylbenzene	13.130	105	1253	1.954	ug/l	82
86) p-Isopropyltoluene	13.373	119	1283	1.777	ug/l #	40
90) Hexachloroethane	13.965	117	466	3.589	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.367	75	131	4.588	ug/l #	29
93) 1,2,4-Trichlorobenzene	15.013	180	578	2.538	ug/l #	1
95) Naphthalene	15.239	128	14400	32.071	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.422	180	362	1.794	ug/l #	1

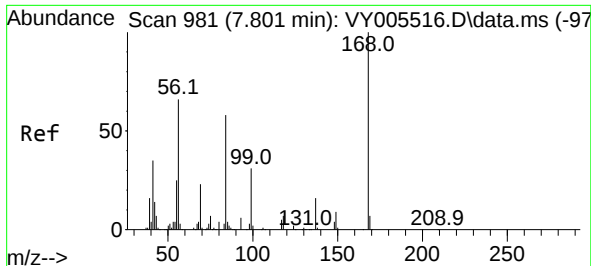
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080521\
Data File : VY005557.D
Acq On : 05 Aug 2021 15:49
Operator : SY/MD
Sample : M3289-09
Misc : 1.01G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampled :

Quant Time: Aug 06 04:40:35 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

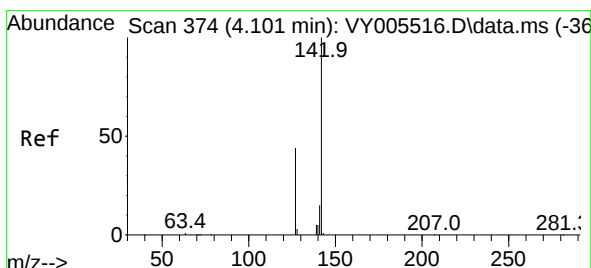
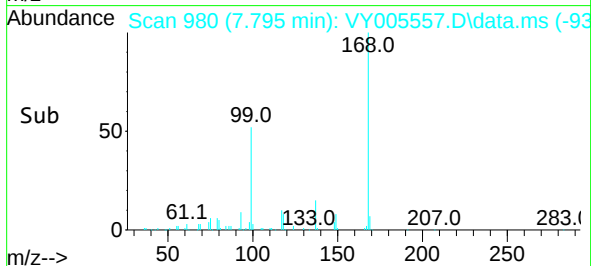
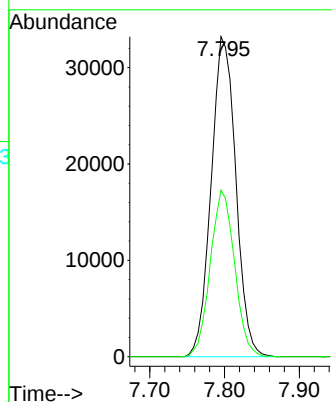
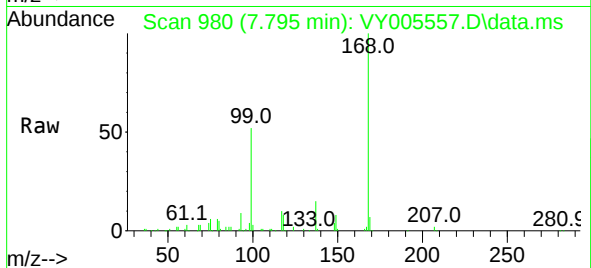




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

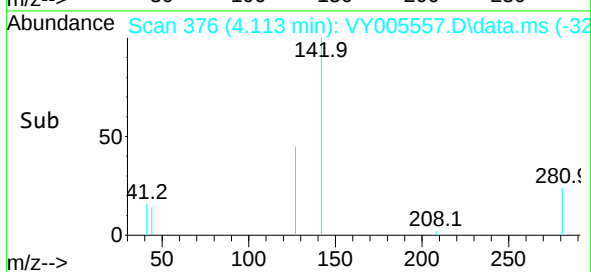
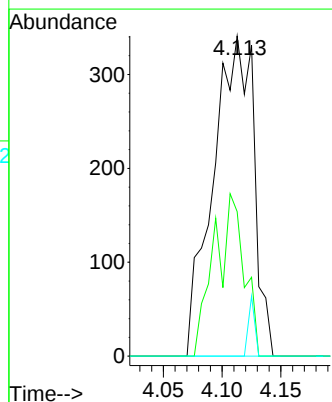
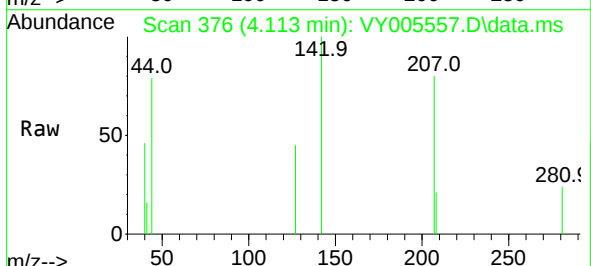
Instrument :
MSVOA_Y
ClientSampleId :

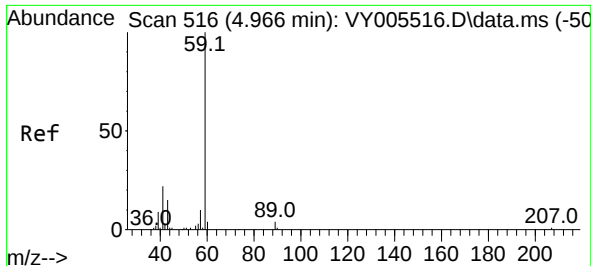
Tgt Ion:168 Resp: 76107
Ion Ratio Lower Upper
168 100
99 52.1 38.9 58.3



#10
Methyl Iodide
Concen: 1.016 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion:142 Resp: 822
Ion Ratio Lower Upper
142 100
127 37.2 36.6 54.8
141 2.8 12.2 18.4#

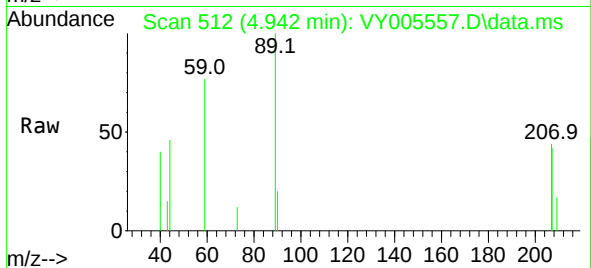




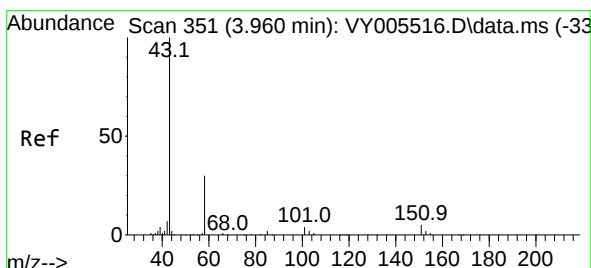
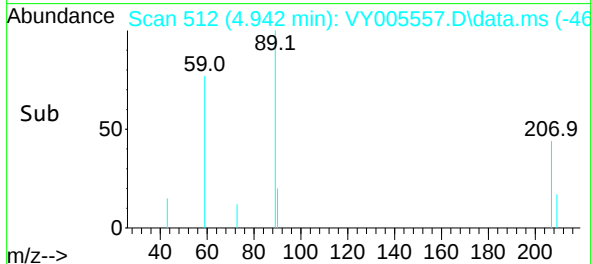
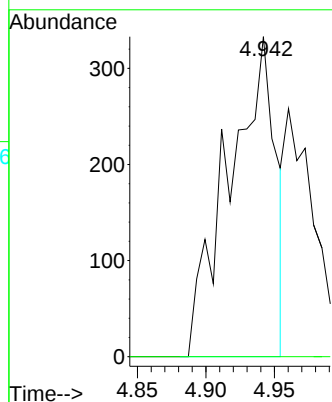
#11

Tert butyl alcohol
Concen: 10.347 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Instrument :
MSVOA_Y
ClientSampled :



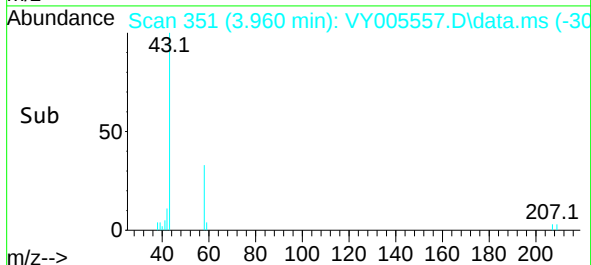
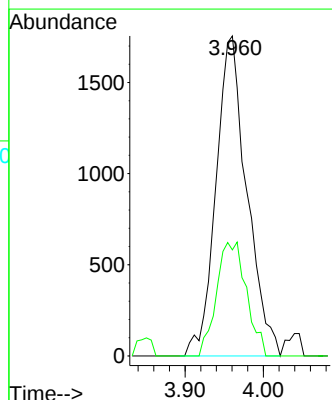
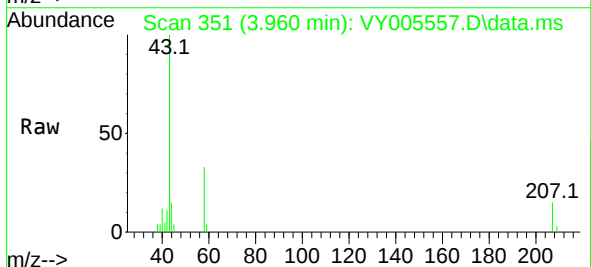
Tgt Ion: 59 Resp: 788
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

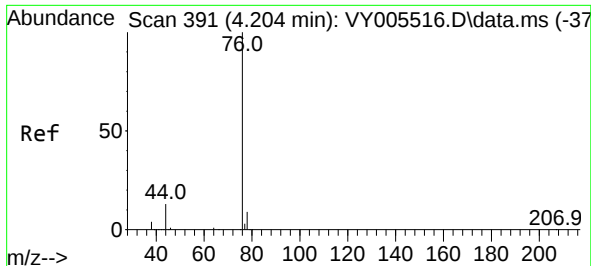


#16

Acetone
Concen: 24.795 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

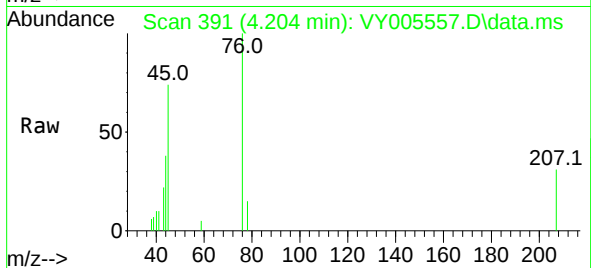
Tgt Ion: 43 Resp: 4816
Ion Ratio Lower Upper
43 100
58 33.2 23.8 35.6



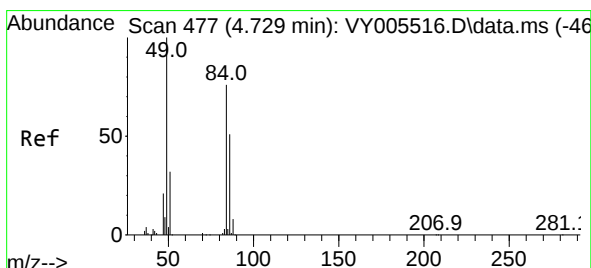
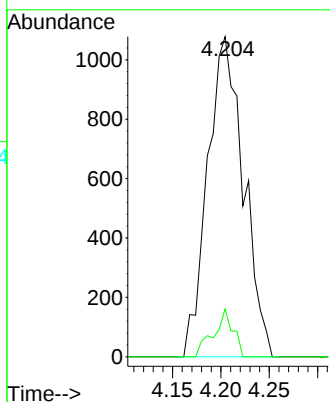
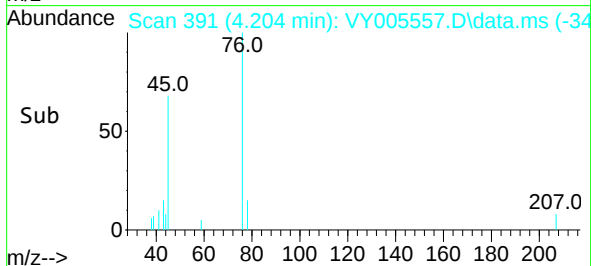


#17
Carbon Disulfide
Concen: 1.376 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

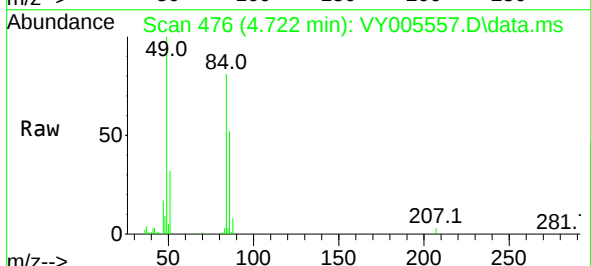
Instrument :
MSVOA_Y
ClientSampled :



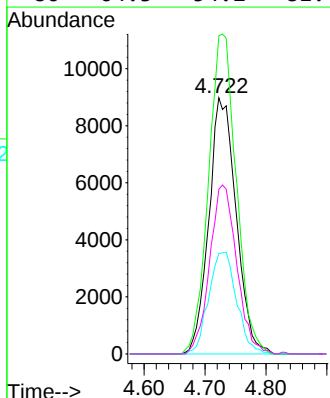
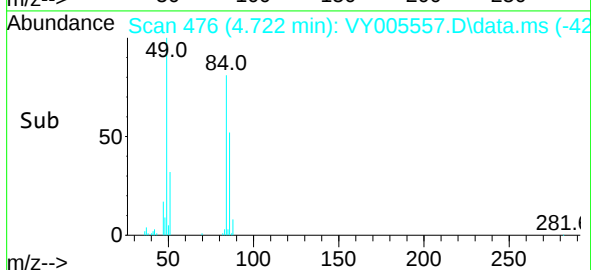
Tgt Ion: 76 Resp: 2782
Ion Ratio Lower Upper
76 100
78 14.9 7.0 10.6#

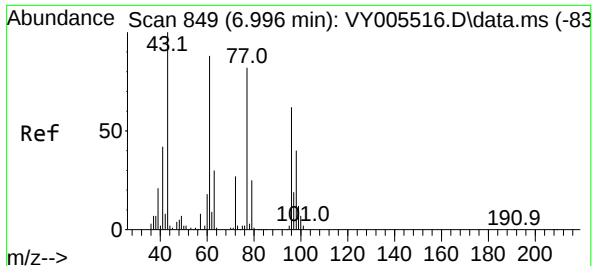


#20
Methylene Chloride
Concen: 34.480 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49



Tgt Ion: 84 Resp: 27995
Ion Ratio Lower Upper
84 100
49 124.2 105.8 158.6
51 39.2 33.4 50.2
86 64.3 54.2 81.4





#25

2-Butanone

Concen: 2.720 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY005557.D

Acq: 05 Aug 2021 15:49

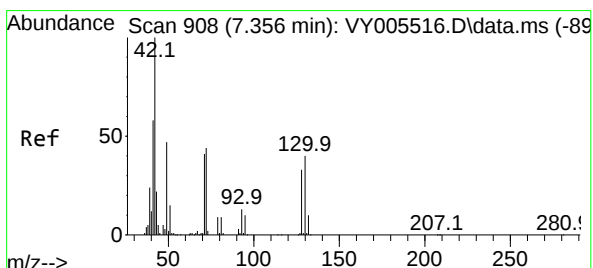
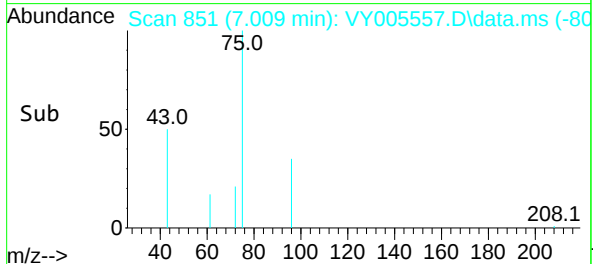
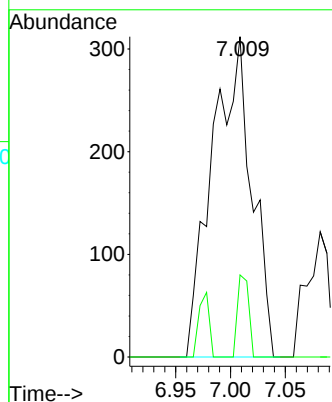
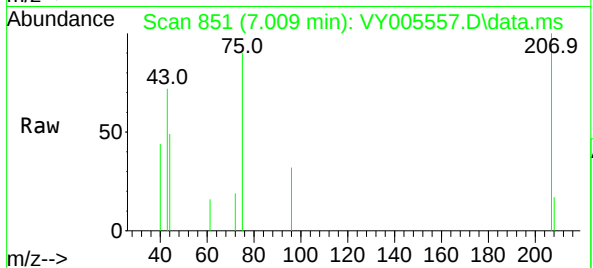
Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 43 Resp: 781

Ion Ratio Lower Upper

43 100

72 25.6 21.4 32.2



#29

Tetrahydrofuran

Concen: 1.158 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY005557.D

Acq: 05 Aug 2021 15:49

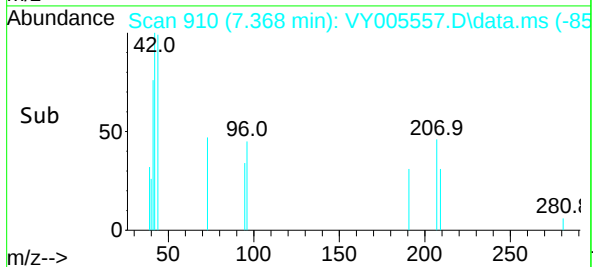
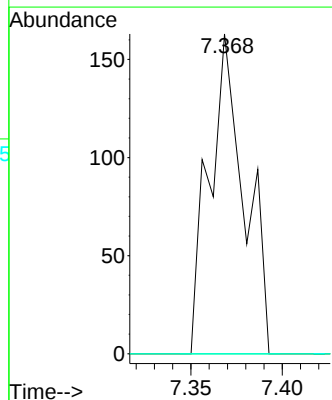
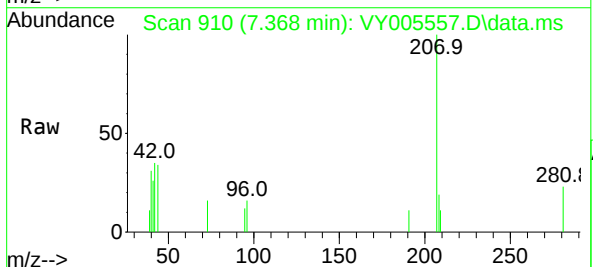
Tgt Ion: 42 Resp: 220

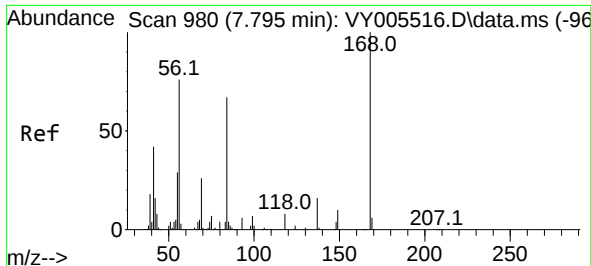
Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 0.0 33.3 49.9#

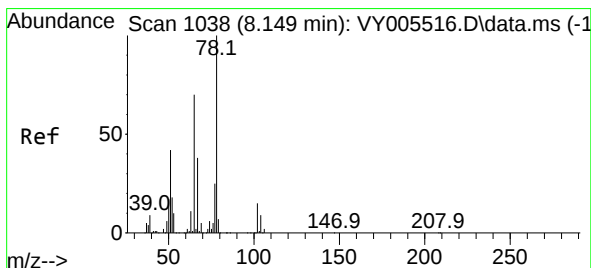
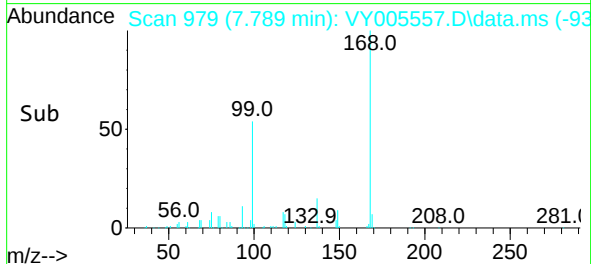
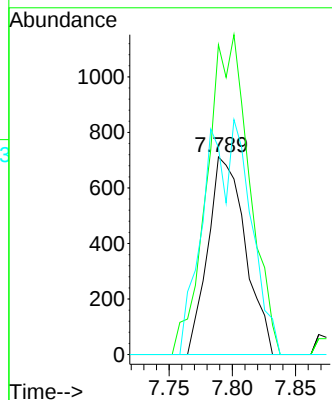
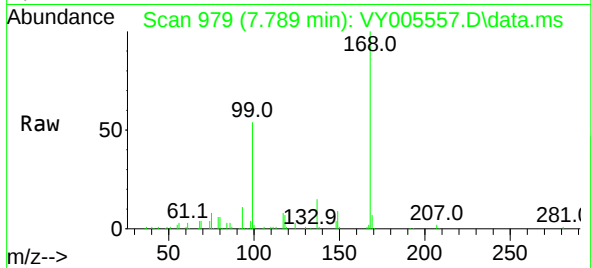




#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

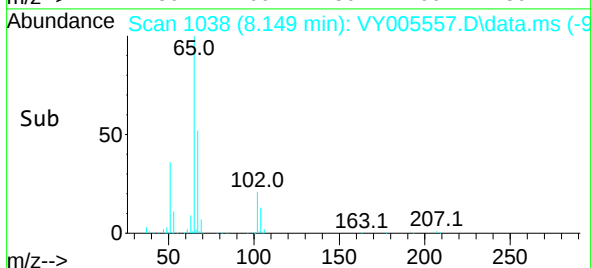
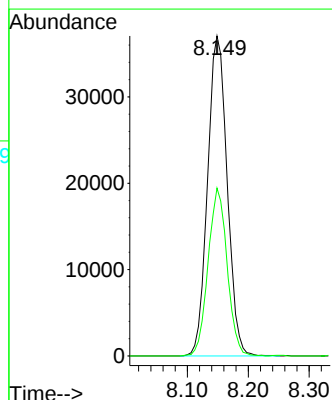
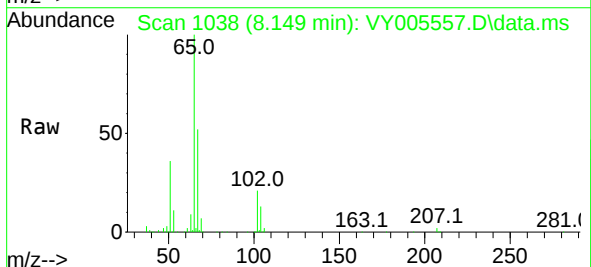
Instrument :
MSVOA_Y
ClientSampleId :

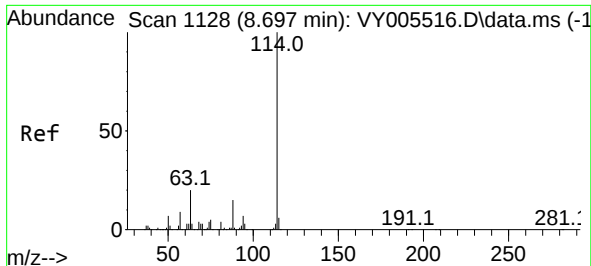
Tgt Ion: 56 Resp: 1462
Ion Ratio Lower Upper
56 100
69 156.7 27.7 41.5#
84 104.6 70.9 106.3



#33
1,2-Dichloroethane-d4
Concen: 107.487 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion: 65 Resp: 82807
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4

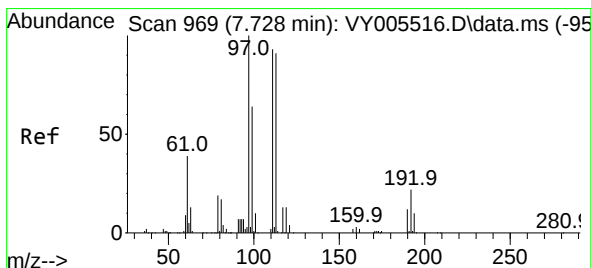
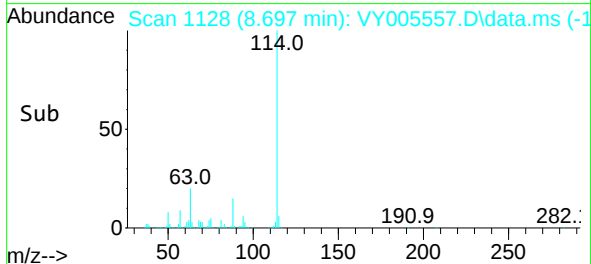
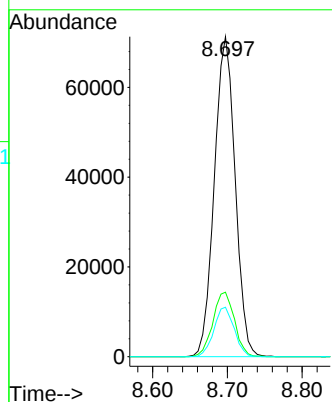
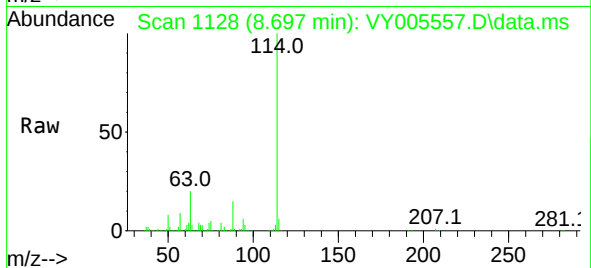




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

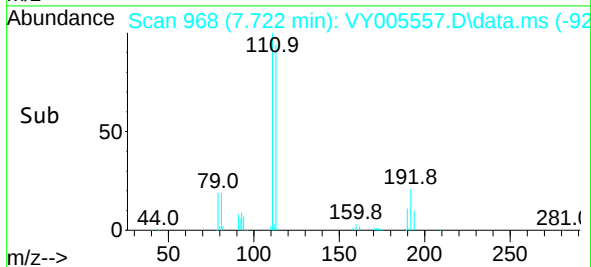
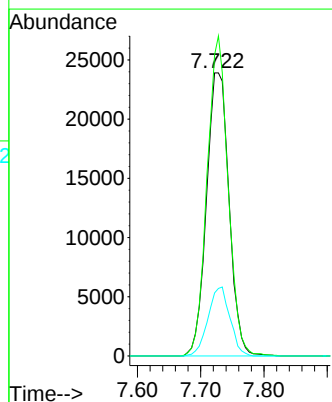
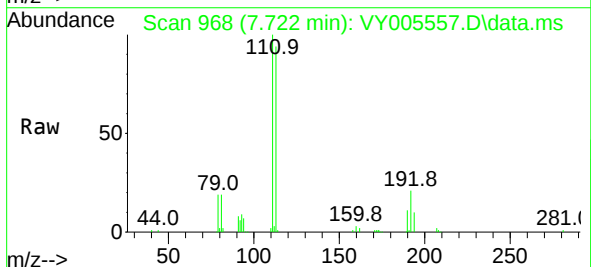
Instrument :
MSVOA_Y
ClientSampleId :

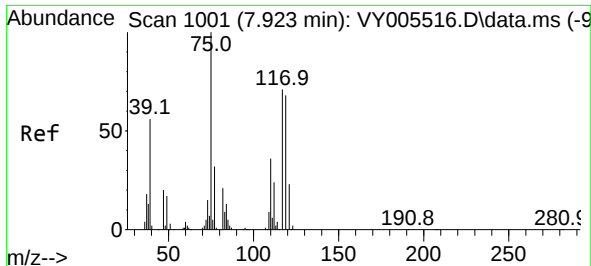
Tgt Ion:114 Resp: 138239
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.2
88 15.5 0.0 30.8



#35
Dibromofluoromethane
Concen: 76.534 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

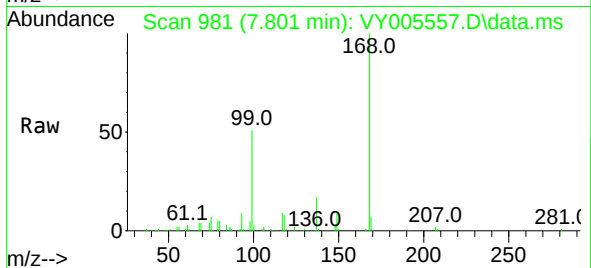
Tgt Ion:113 Resp: 59235
Ion Ratio Lower Upper
113 100
111 105.0 81.9 122.9
192 23.6 19.2 28.8



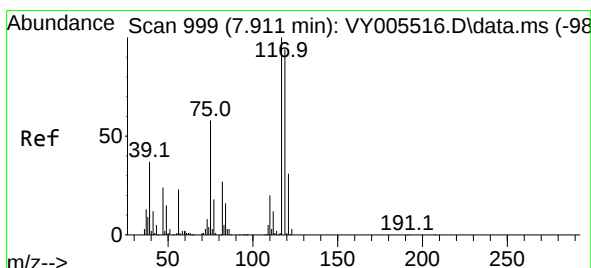
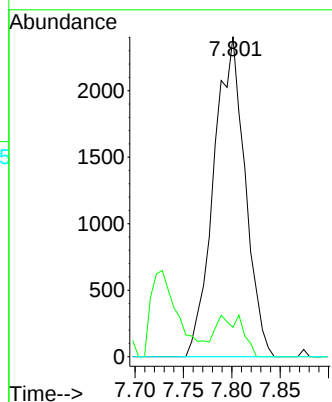
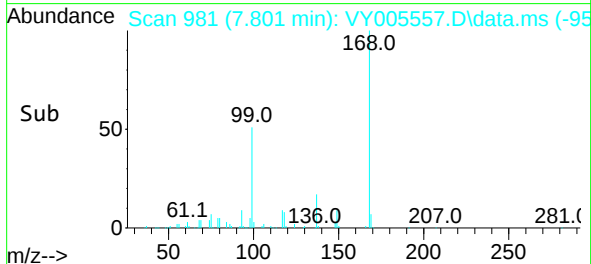


#36
1,1-Dichloropropene
Concen: 4.175 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

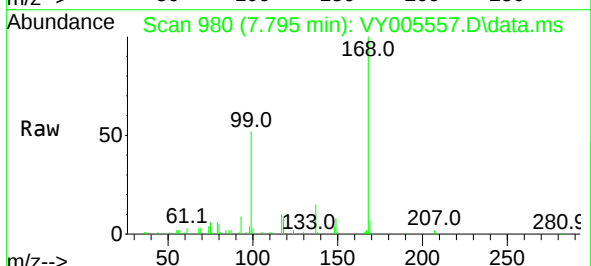
Instrument :
MSVOA_Y
ClientSampleId :



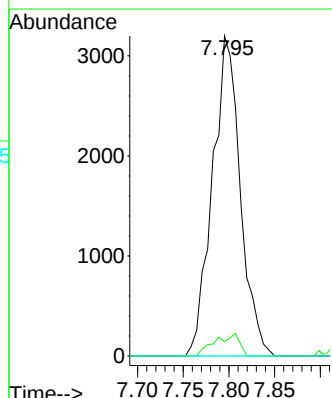
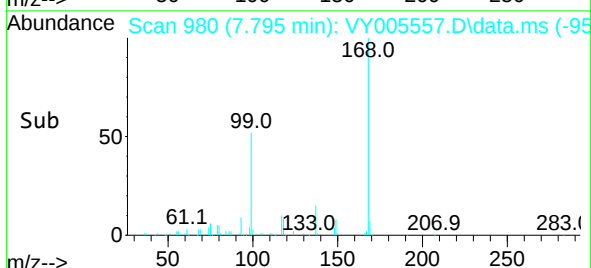
Tgt Ion: 75 Resp: 5413
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.1#
77 0.0 25.1 37.7#

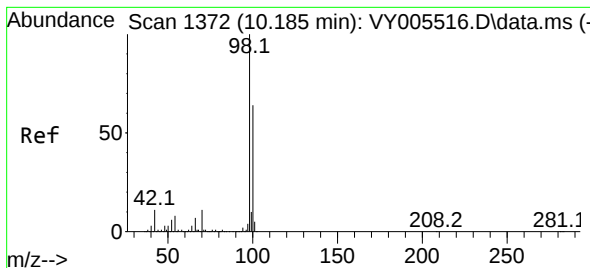


#38
Carbon Tetrachloride
Concen: 4.821 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49



Tgt Ion: 117 Resp: 6794
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.0#
121 0.0 25.1 37.7#

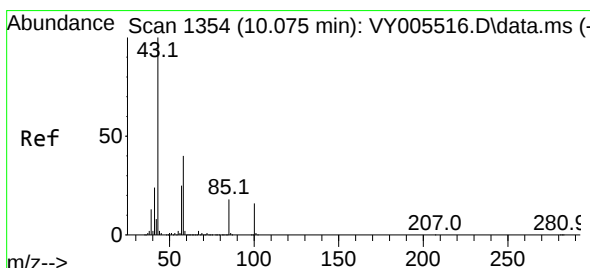
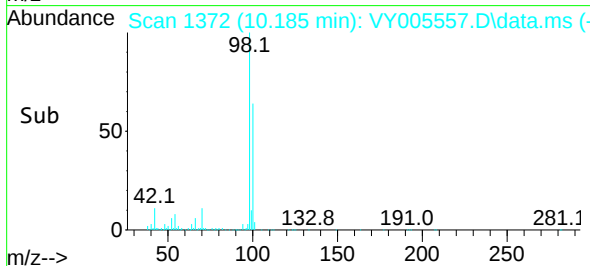
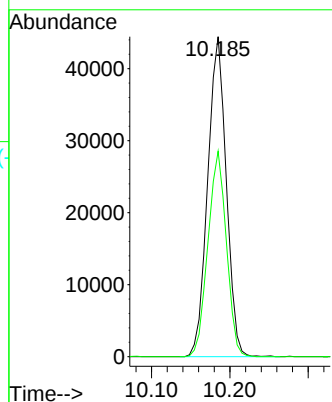
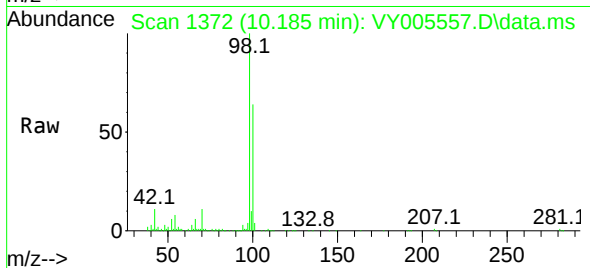




#50
Toluene-d8
Concen: 22.540 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

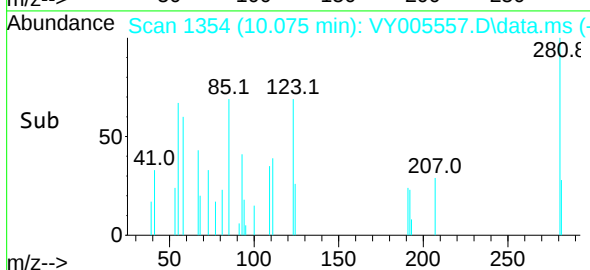
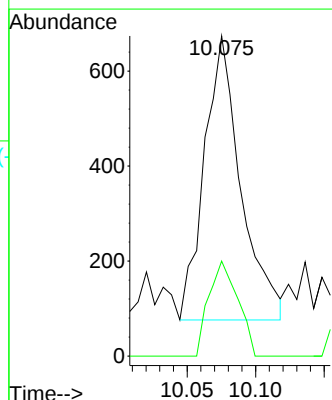
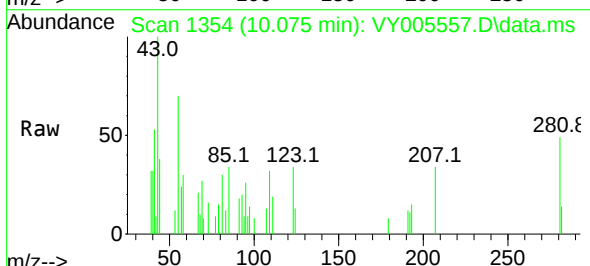
Instrument :
MSVOA_Y
ClientSampled :

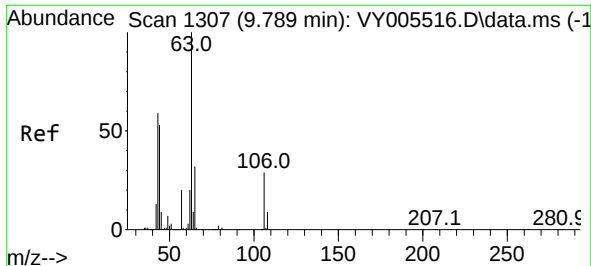
Tgt Ion: 98 Resp: 73163
Ion Ratio Lower Upper
98 100
100 63.7 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.417 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 26.6 31.4 47.2#



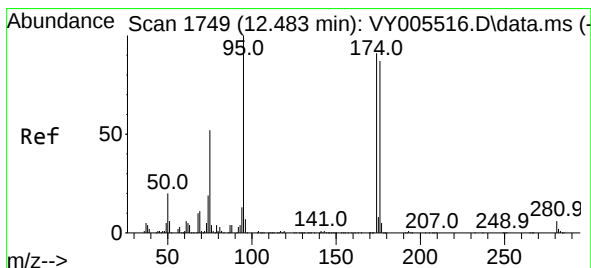
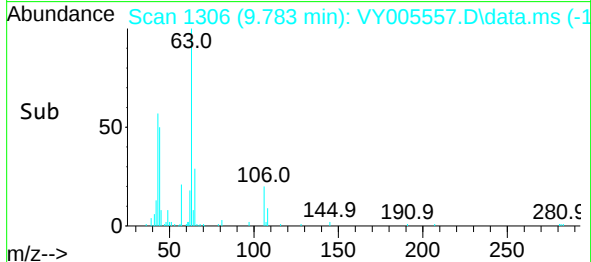
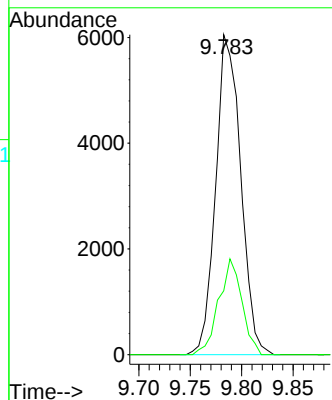
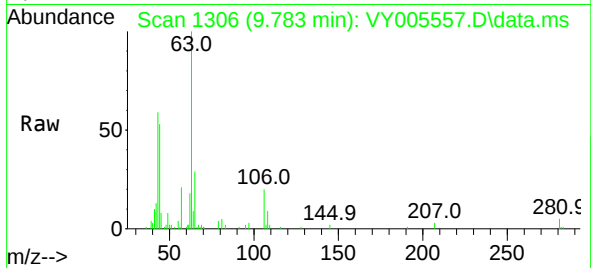


#58
 2-Chloroethyl Vinyl ether
 Concen: 19.229 ug/l
 RT: 9.783 min Scan# 1306
 Delta R.T. -0.006 min
 Lab File: VY005557.D
 Acq: 05 Aug 2021 15:49

Instrument :
 MSVOA_Y
 ClientSampled :

Tgt Ion: 63 Resp: 10224

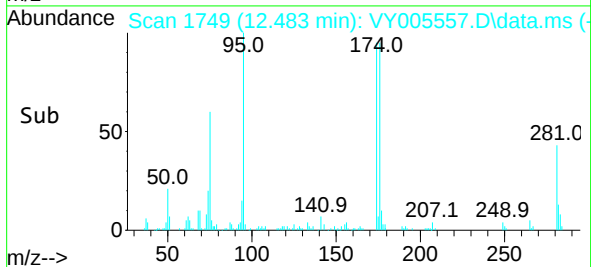
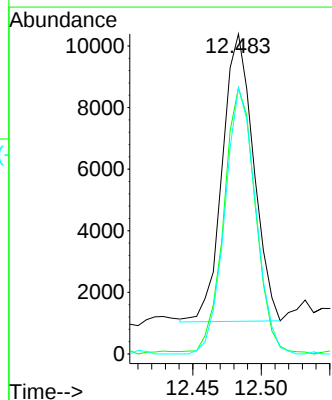
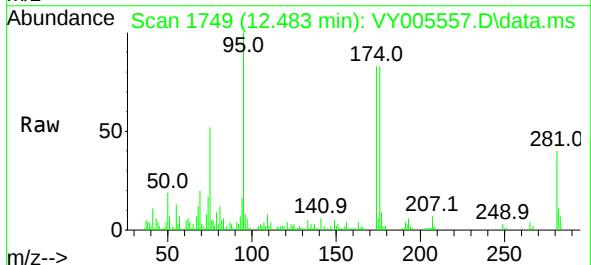
Ion	Ratio	Lower	Upper
63	100		
106	27.7	23.1	34.7

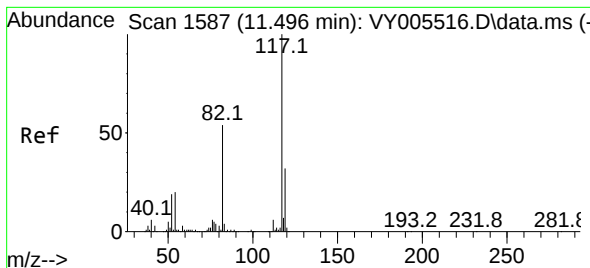


#62
 4-Bromofluorobenzene
 Concen: 13.726 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VY005557.D
 Acq: 05 Aug 2021 15:49

Tgt Ion: 95 Resp: 14754

Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	191.4
176	91.4	0.0	183.6

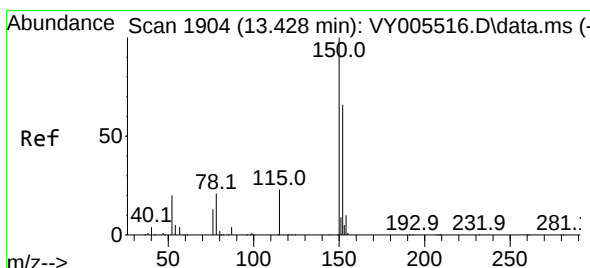
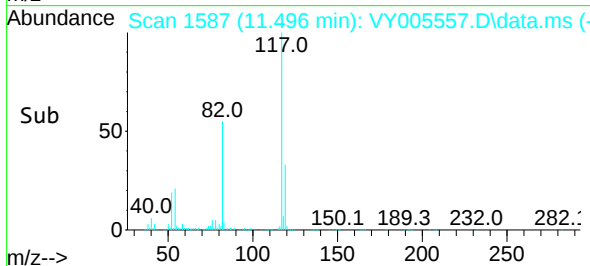
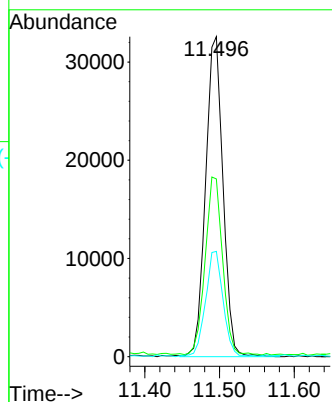
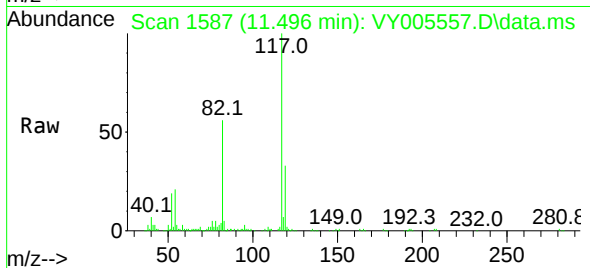




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

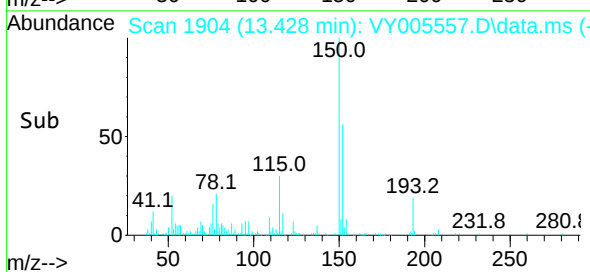
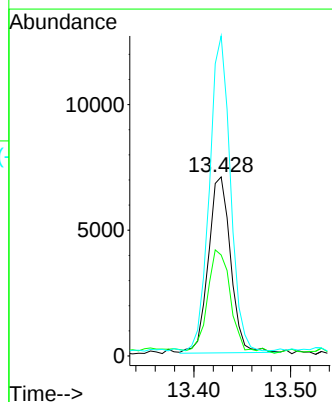
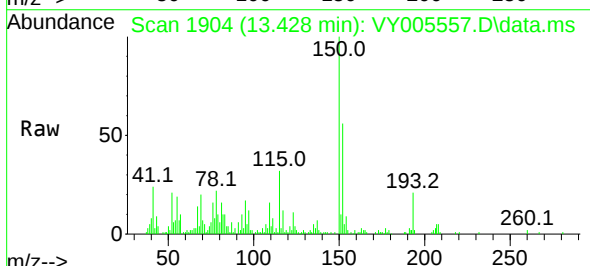
Instrument :
MSVOA_Y
ClientSampled :

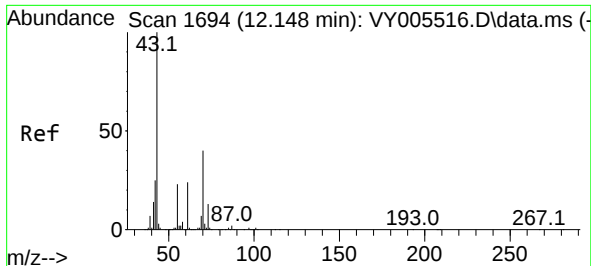
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.5	65.3
119	32.6	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	27.3	81.9
150	167.0	0.0	350.2

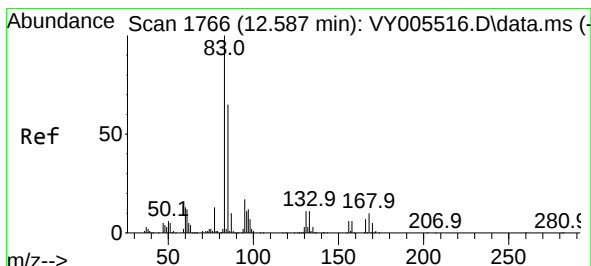
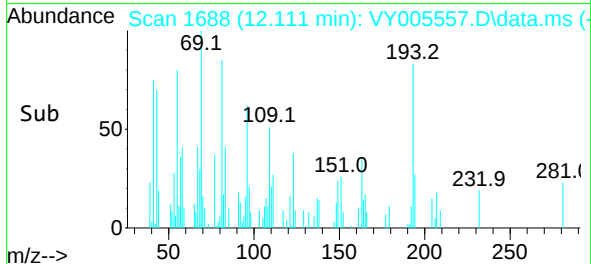
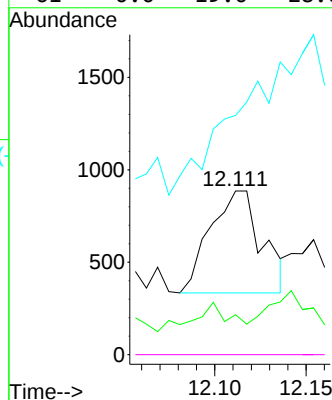
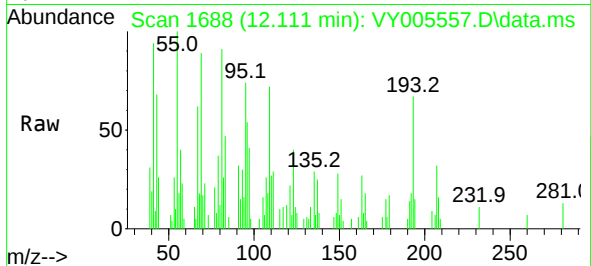




#74
N-amy1 acetate
Concen: 4.616 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

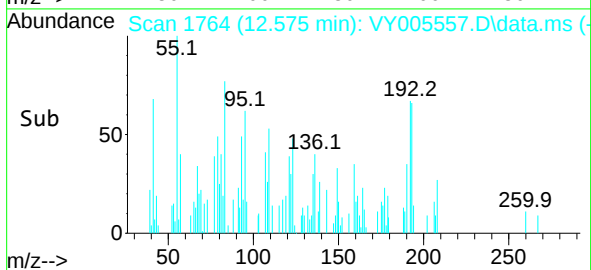
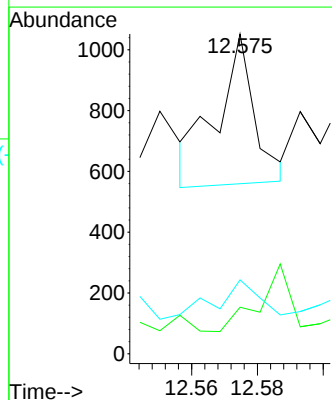
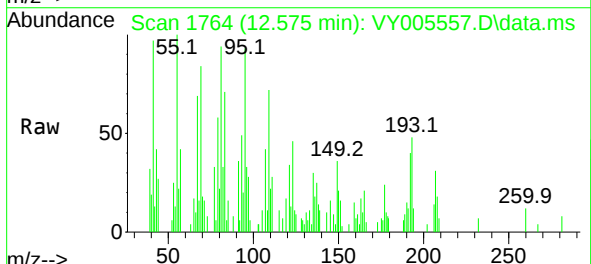
Instrument :
MSVOA_Y
ClientSampled :

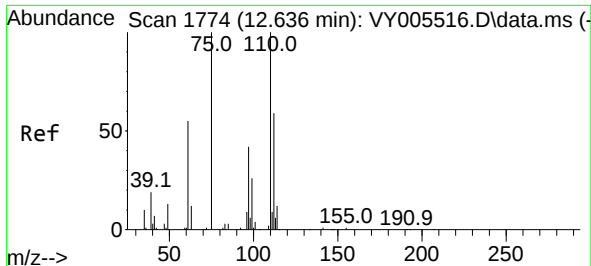
Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
70 19.4 32.9 49.3#
55 0.0 18.9 28.3#
61 0.0 19.0 28.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.623 ug/l
RT: 12.575 min Scan# 1764
Delta R.T. -0.012 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion: 83 Resp: 395
Ion Ratio Lower Upper
83 100
131 83.5 5.6 16.8#
85 28.1 32.0 96.2#

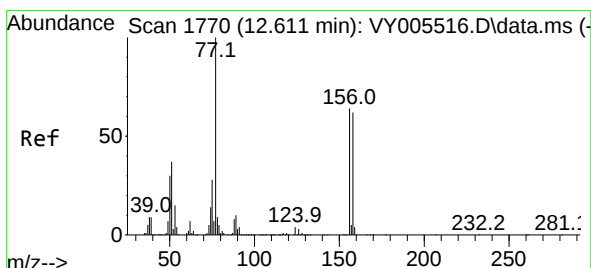
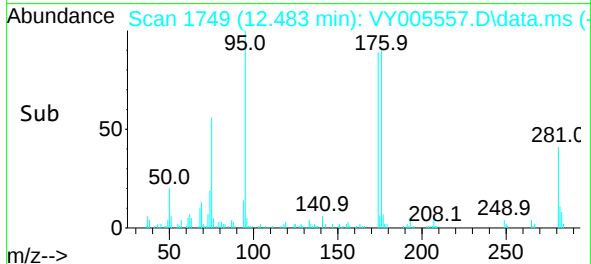
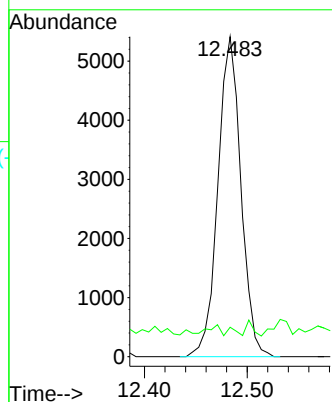
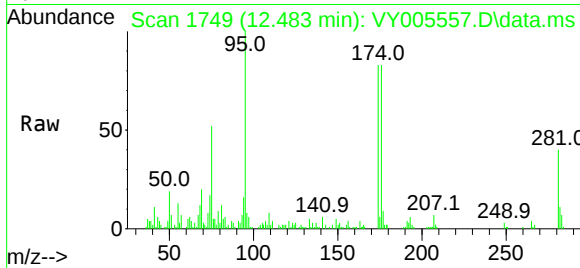




#76
1,2,3-Trichloropropane
Concen: 72.378 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

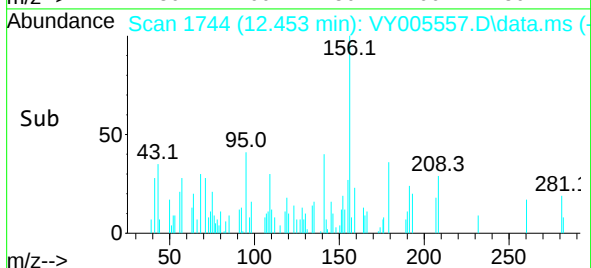
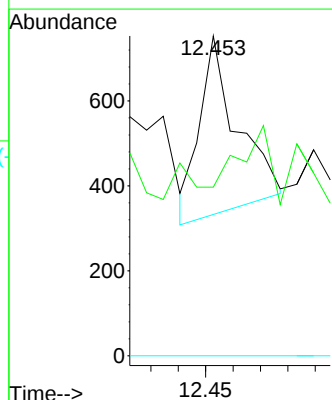
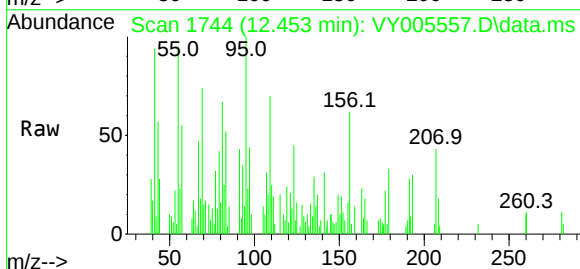
Instrument :
MSVOA_Y
ClientSampleId :

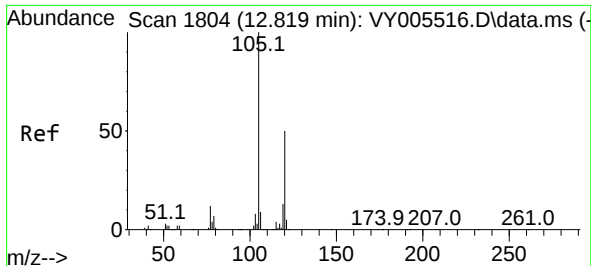
Tgt Ion: 75 Resp: 8414
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#77
Bromobenzene
Concen: 2.100 ug/l
RT: 12.453 min Scan# 1744
Delta R.T. -0.159 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion: 156 Resp: 404
Ion Ratio Lower Upper
156 100
77 18.1 85.5 256.5#
158 0.0 48.5 145.6#

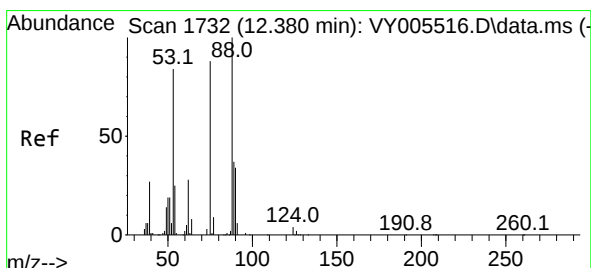
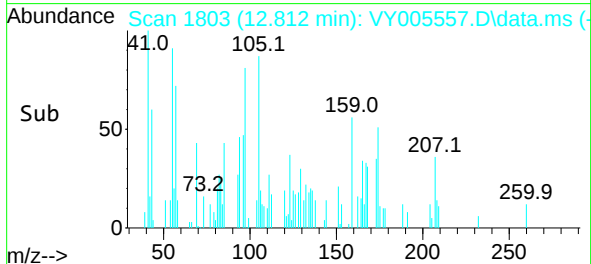
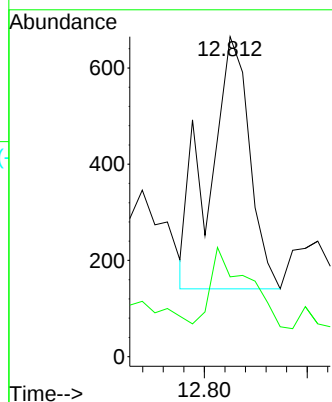
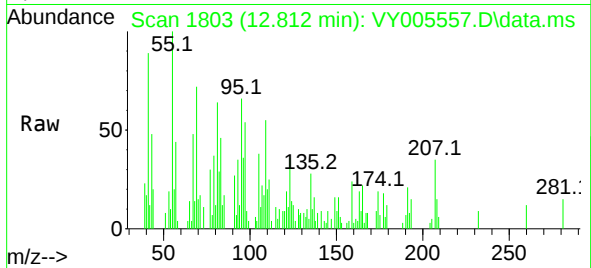




#80
1,3,5-Trimethylbenzene
Concen: 1.109 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

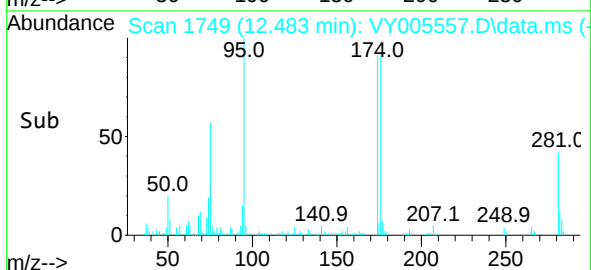
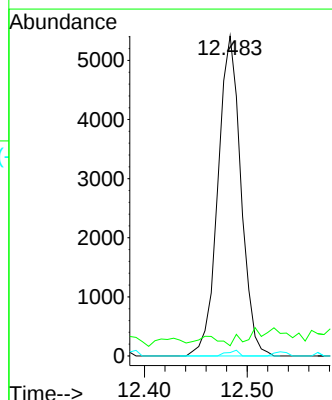
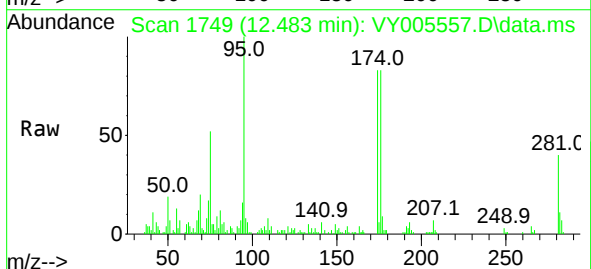
Instrument :
MSVOA_Y
ClientSampleId :

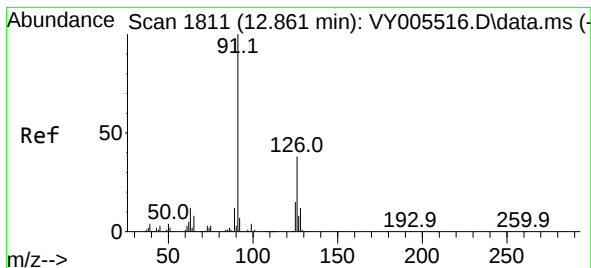
Tgt Ion:105 Resp: 721
Ion Ratio Lower Upper
105 100
120 29.7 25.0 75.0



#81
trans-1,4-Dichloro-2-butene
Concen: 145.905 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion: 75 Resp: 8414
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.9 38.4 57.6#

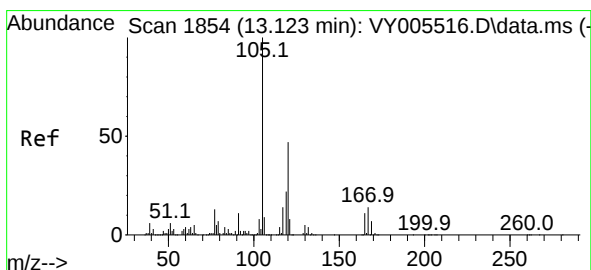
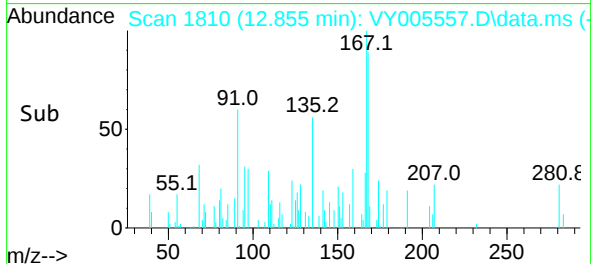
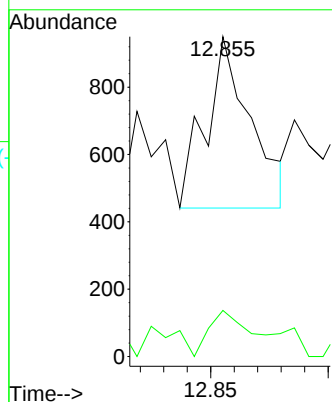
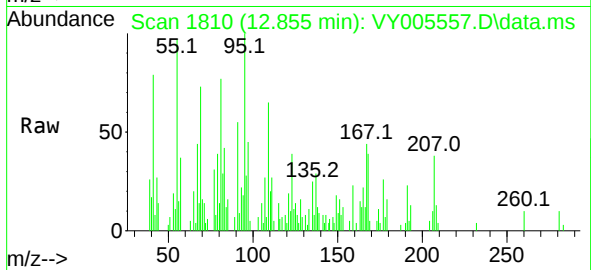




#82
4-Chlorotoluene
Concen: 1.251 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

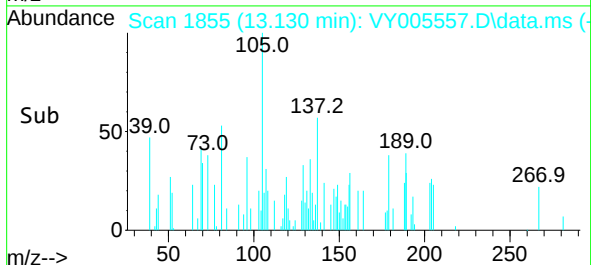
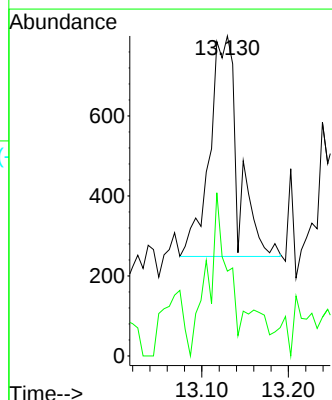
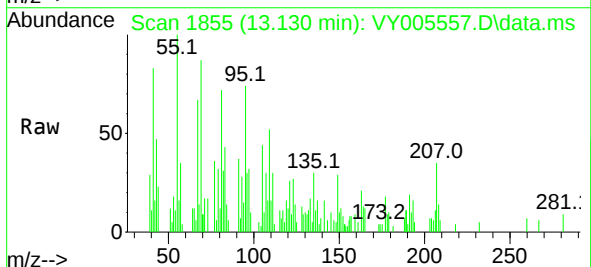
Instrument :
MSVOA_Y
ClientSampled :

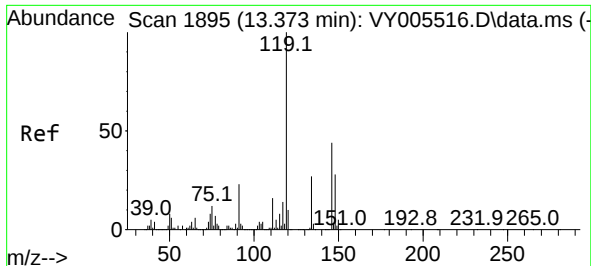
Tgt Ion: 91 Resp: 676
Ion Ratio Lower Upper
91 100
126 32.8 17.5 52.5



#84
1,2,4-Trimethylbenzene
Concen: 1.954 ug/l
RT: 13.130 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion: 105 Resp: 1253
Ion Ratio Lower Upper
105 100
120 57.5 22.9 68.5

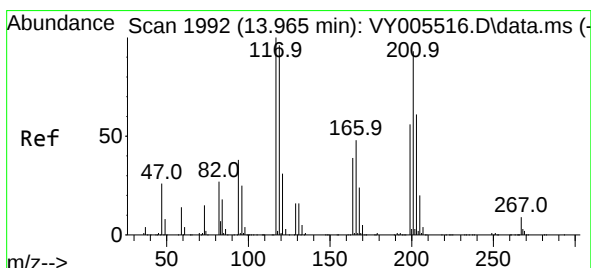
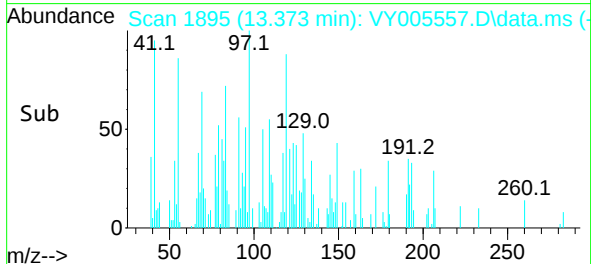
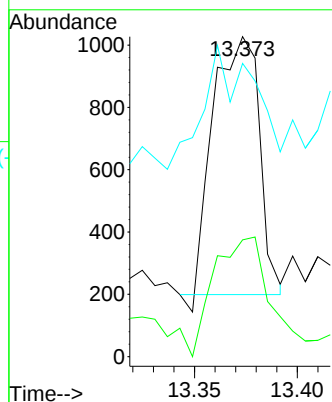
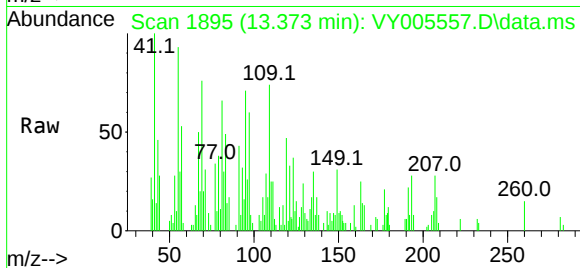




#86
p-Isopropyltoluene
Concen: 1.777 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

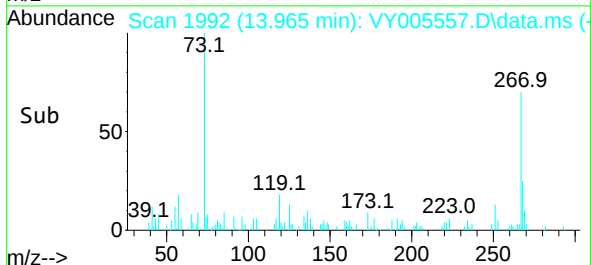
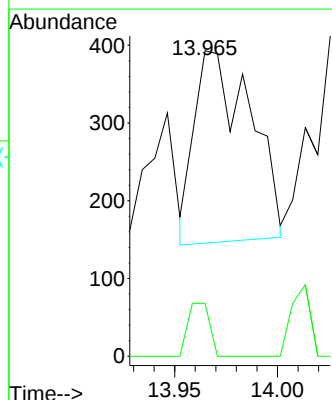
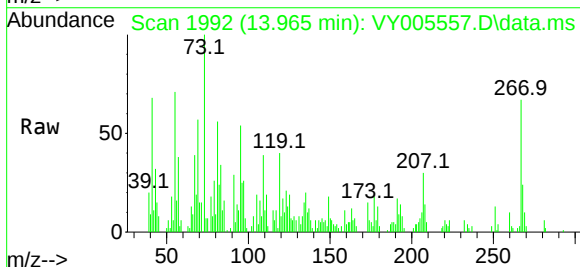
Instrument :
MSVOA_Y
ClientSampled :

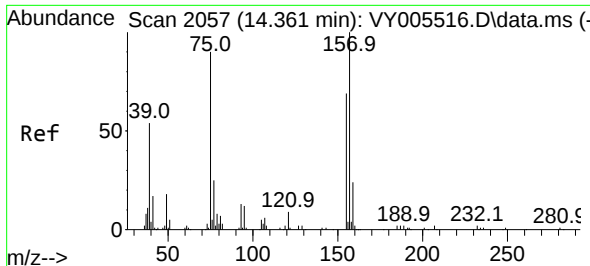
Tgt Ion:119 Resp: 1283
Ion Ratio Lower Upper
119 100
134 57.4 13.6 40.7#
91 53.2 11.6 34.7#



#90
Hexachloroethane
Concen: 3.589 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion:117 Resp: 466
Ion Ratio Lower Upper
117 100
201 10.7 46.7 140.1#

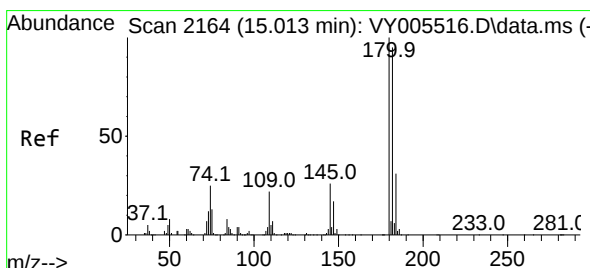
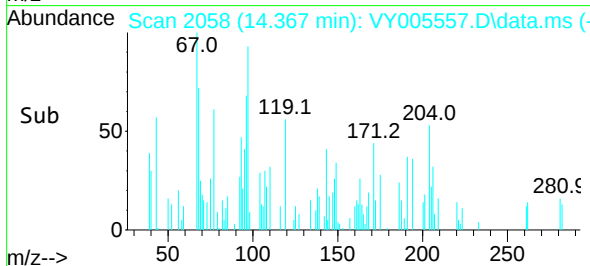
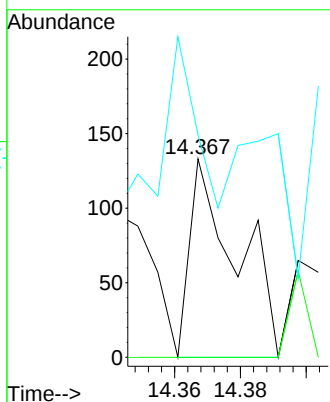
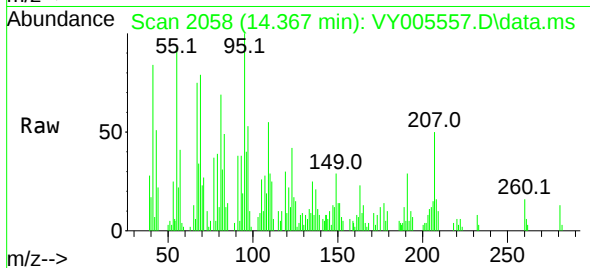




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.588 ug/l
 RT: 14.367 min Scan# 2058
 Delta R.T. 0.006 min
 Lab File: VY005557.D
 Acq: 05 Aug 2021 15:49

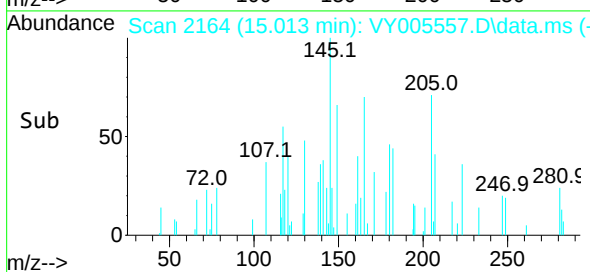
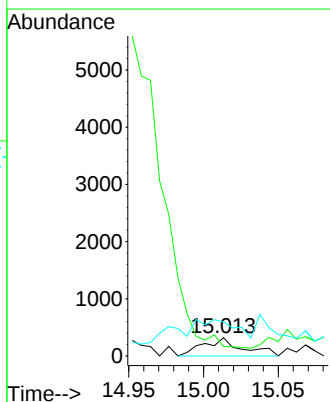
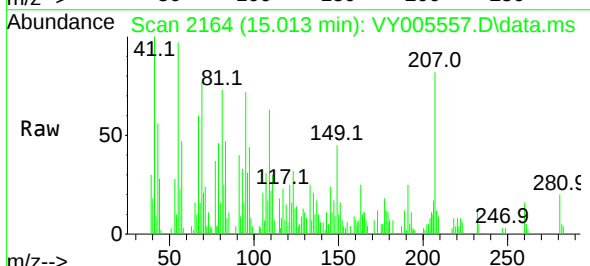
Instrument :
 MSVOA_Y
 ClientSampled :

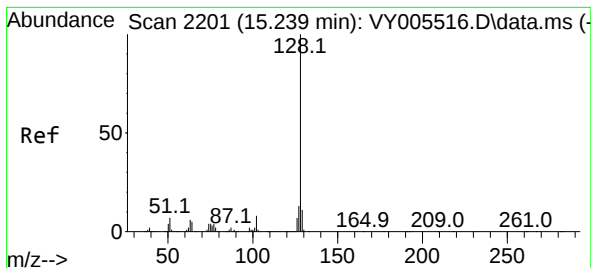
Tgt Ion: 75 Resp: 131
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.4 127.1#
 157 54.2 56.0 168.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.538 ug/l
 RT: 15.013 min Scan# 2164
 Delta R.T. 0.000 min
 Lab File: VY005557.D
 Acq: 05 Aug 2021 15:49

Tgt Ion: 180 Resp: 578
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.4#
 145 203.6 14.0 42.0#

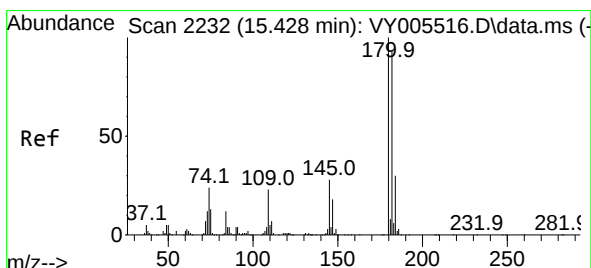
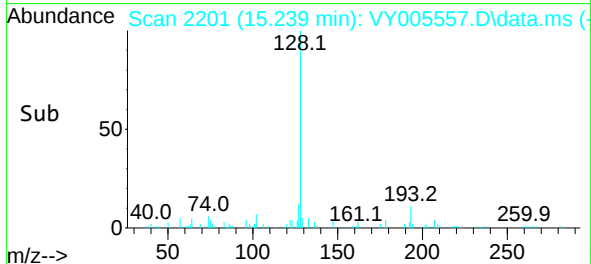
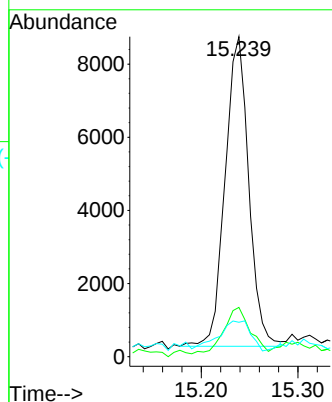
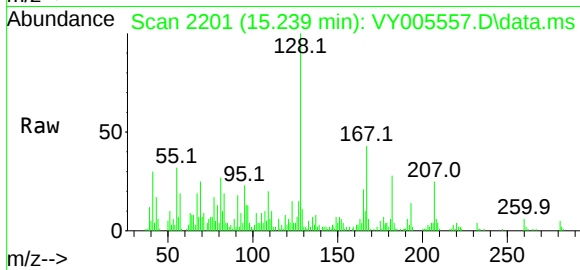




#95
Naphthalene
Concen: 32.071 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:128 Resp: 14400
Ion Ratio Lower Upper
128 100
127 16.5 10.6 15.8#
129 12.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.794 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY005557.D
Acq: 05 Aug 2021 15:49

Tgt Ion:180 Resp: 362
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 293.4 14.6 44.0#

