

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080521\
 Data File : VY005550.D
 Acq On : 05 Aug 2021 13:04
 Operator : SY/MD
 Sample : M3289-03
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 06 04:38:35 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)

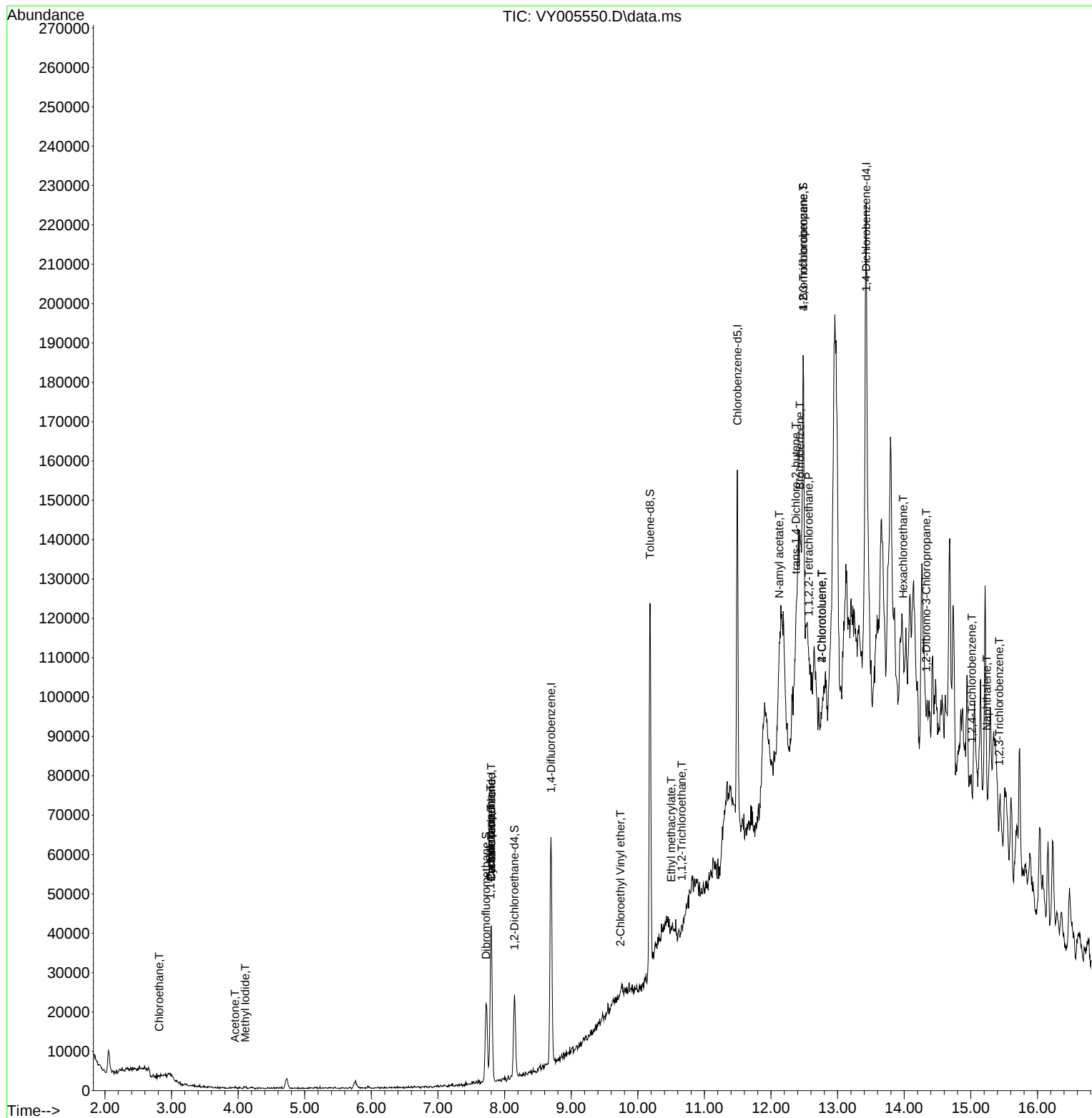
Internal Standards						
1) Pentafluorobenzene	7.801	168	32310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	49093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	46173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	16370	50.052	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.100%	
35) Dibromofluoromethane	7.722	113	14041	51.084	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.160%	
50) Toluene-d8	10.185	98	61540	53.386	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.780%	
62) 4-Bromofluorobenzene	12.483	95	18628	48.799	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.600%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.814	64	236	1.030	ug/l #	42
10) Methyl Iodide	4.106	142	427	1.243	ug/l #	66
16) Acetone	3.954	43	344	4.172	ug/l #	45
20) Methylene Chloride	4.716	84	1702	Below Cal	#	77
31) Cyclohexane	7.795	56	727	1.296	ug/l #	24
36) 1,1-Dichloropropene	7.789	75	2286	4.965	ug/l #	41
38) Carbon Tetrachloride	7.801	117	3034	6.063	ug/l #	19
55) 1,1,2-Trichloroethane	10.660	97	562	2.129	ug/l #	30
56) Ethyl methacrylate	10.502	69	771	1.951	ug/l #	79
58) 2-Chloroethyl Vinyl ether	9.740	63	260	1.377	ug/l #	36
74) N-amyl acetate	12.123	43	1201	2.773	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.568	83	1144	4.134	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	11436	53.545	ug/l #	100
77) Bromobenzene	12.434	156	105271	297.838	ug/l #	1
79) 2-Chlorotoluene	12.763	91	1596	1.663	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.373	75	786	7.419	ug/l #	44
82) 4-Chlorotoluene	12.763	91	1596	1.608	ug/l	70
90) Hexachloroethane	13.983	117	1988	8.335	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.330	75	261	4.976	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.013	180	1031	2.464	ug/l #	1
95) Naphthalene	15.239	128	2633	3.192	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	811	2.188	ug/l #	28

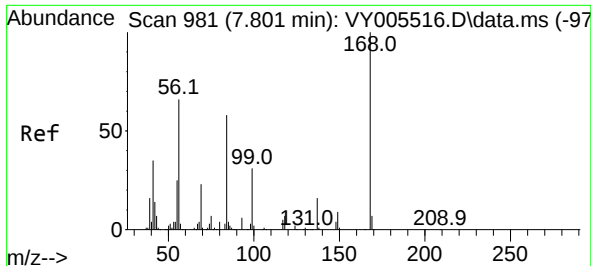
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 03 04:52:05 2021
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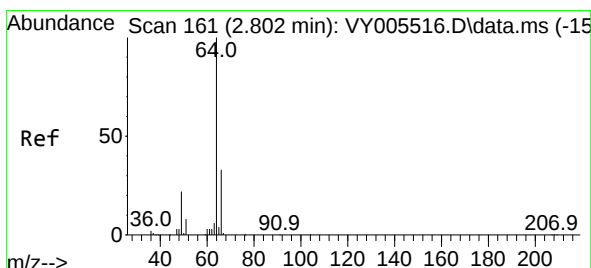
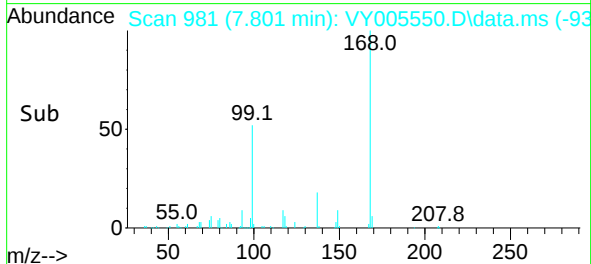
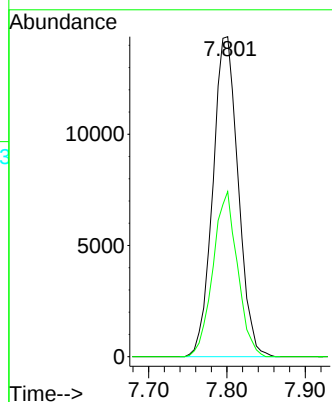
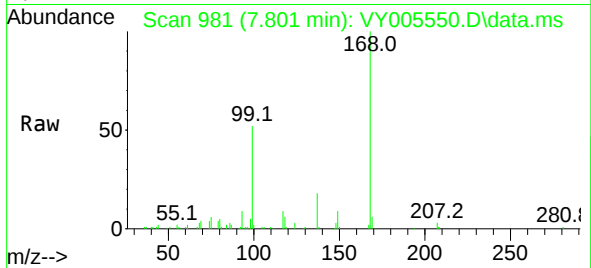




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

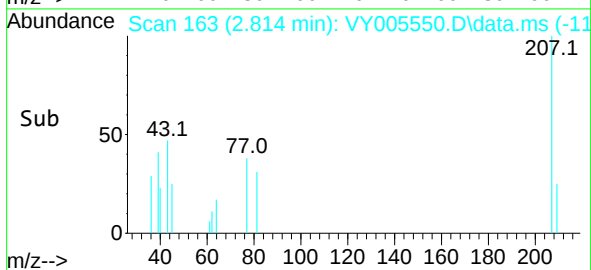
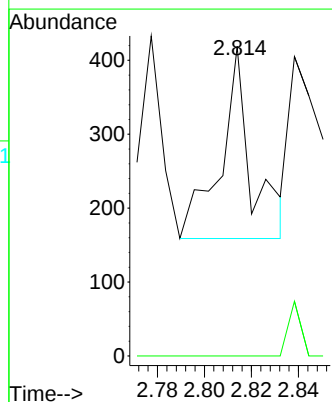
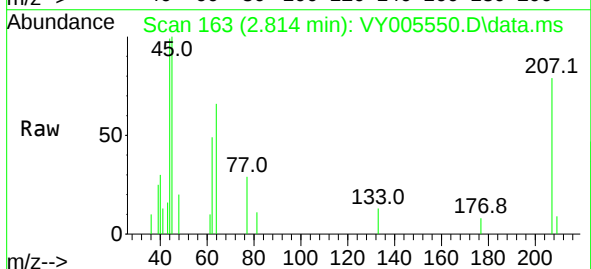
Instrument :
MSVOA_Y
ClientSampleId :

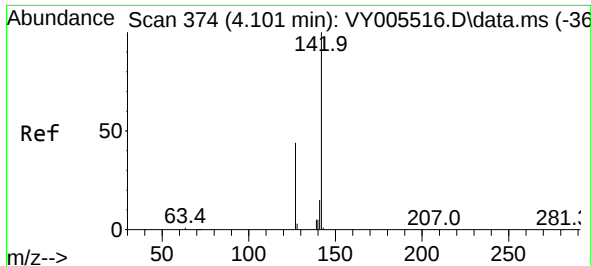
Tgt Ion:168 Resp: 32310
Ion Ratio Lower Upper
168 100
99 51.6 38.9 58.3



#6
Chloroethane
Concen: 1.030 ug/l
RT: 2.814 min Scan# 163
Delta R.T. 0.012 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 64 Resp: 236
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#10

Methyl Iodide

Concen: 1.243 ug/l

RT: 4.106 min Scan# 375

Delta R.T. 0.006 min

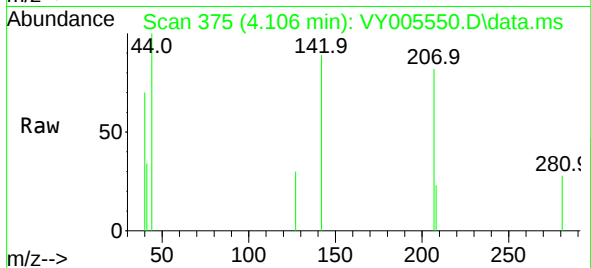
Lab File: VY005550.D

Acq: 05 Aug 2021 13:04

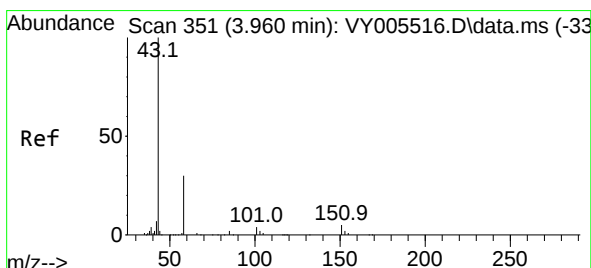
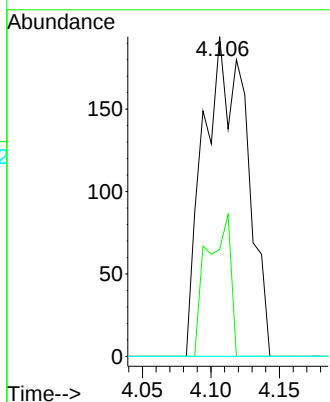
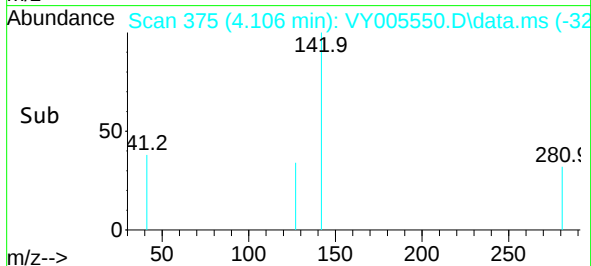
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	427
Ion	Ratio	Lower	Upper
142	100		
127	23.9	36.6	54.8#
141	0.0	12.2	18.4#



#16

Acetone

Concen: 4.172 ug/l

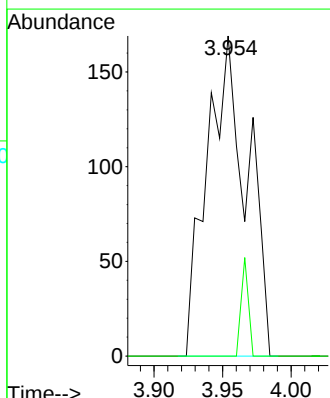
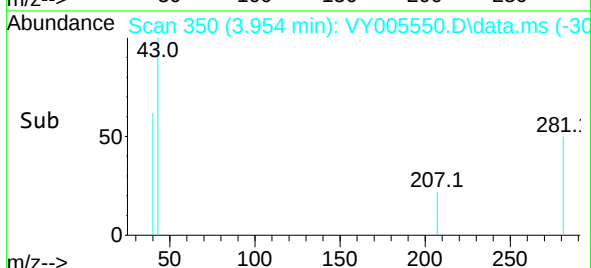
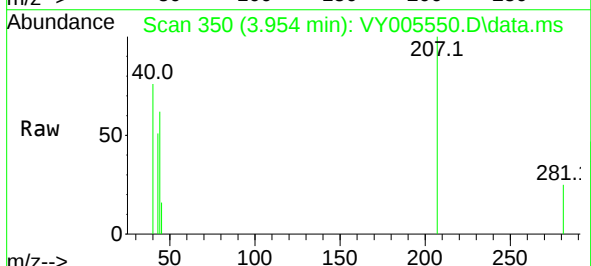
RT: 3.954 min Scan# 350

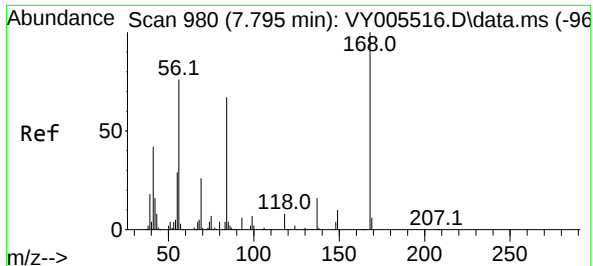
Delta R.T. -0.006 min

Lab File: VY005550.D

Acq: 05 Aug 2021 13:04

Tgt Ion:	43	Resp:	344
Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.8	35.6#

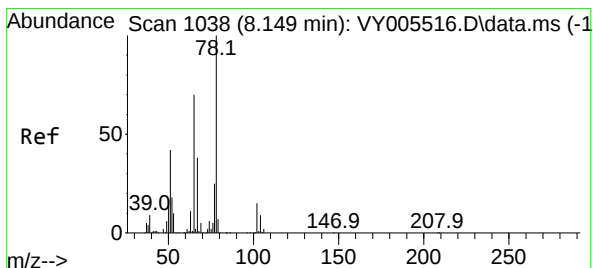
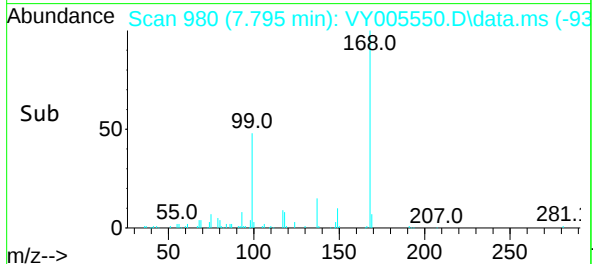
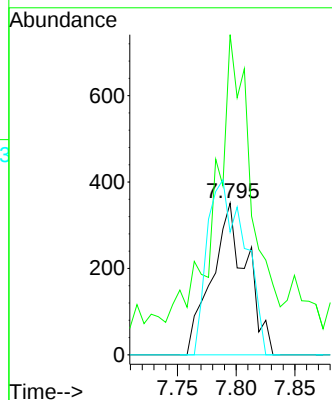
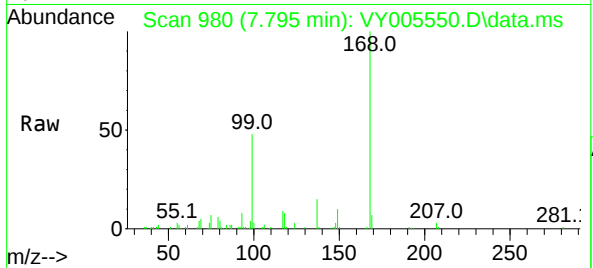




#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

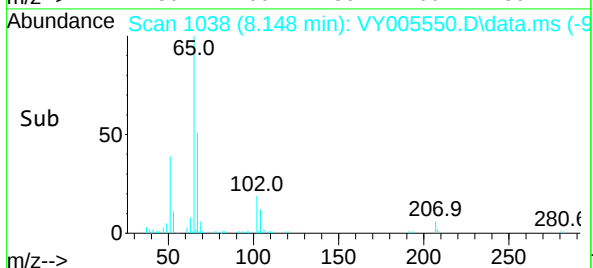
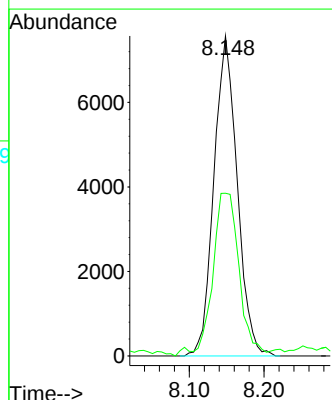
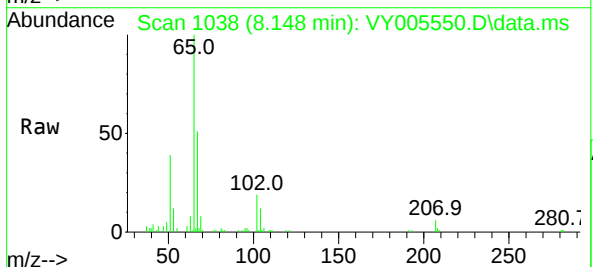
Instrument :
MSVOA_Y
ClientSampleId :

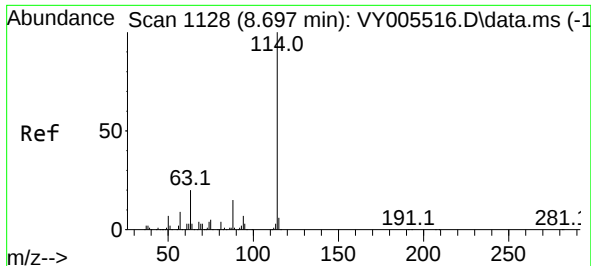
Tgt Ion: 56 Resp: 727
Ion Ratio Lower Upper
56 100
69 179.5 27.7 41.5#
84 80.9 70.9 106.3



#33
1,2-Dichloroethane-d4
Concen: 50.052 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 65 Resp: 16370
Ion Ratio Lower Upper
65 100
67 54.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

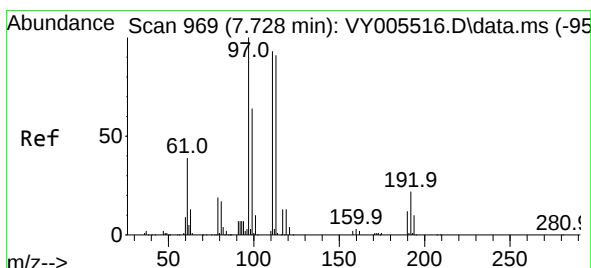
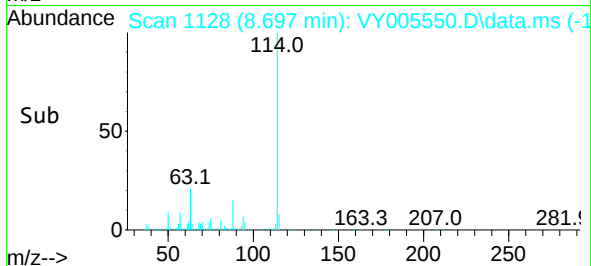
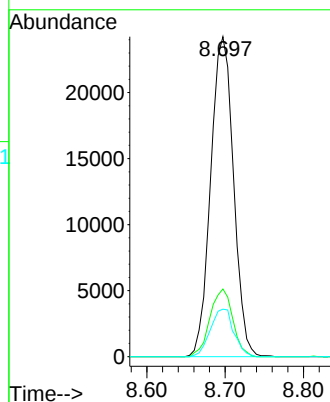
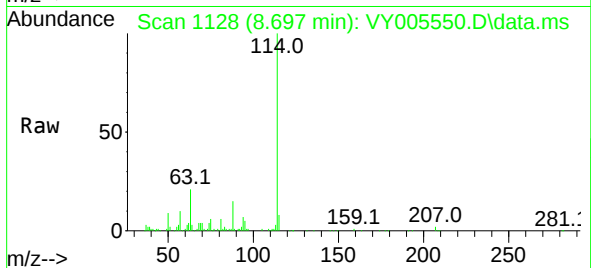
Delta R.T. -0.000 min

Lab File: VY005550.D

Acq: 05 Aug 2021 13:04

Tgt Ion:	114	Resp:	49093
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.2
88	14.9	0.0	30.8

Instrument :
MSVOA_Y
ClientSampleId :



#35

Dibromofluoromethane

Concen: 51.084 ug/l

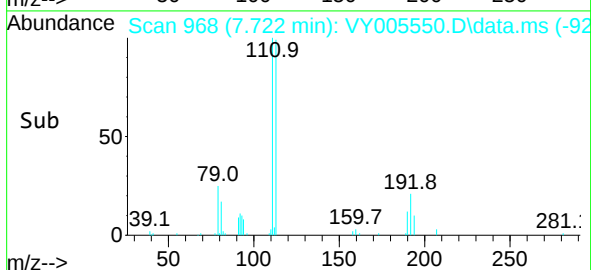
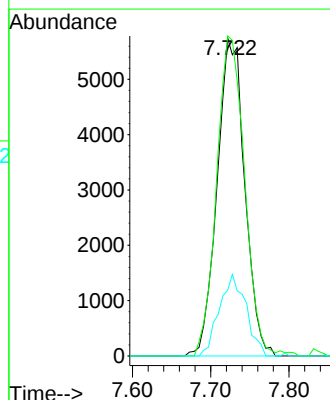
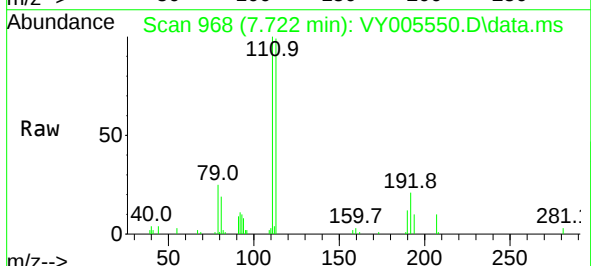
RT: 7.722 min Scan# 968

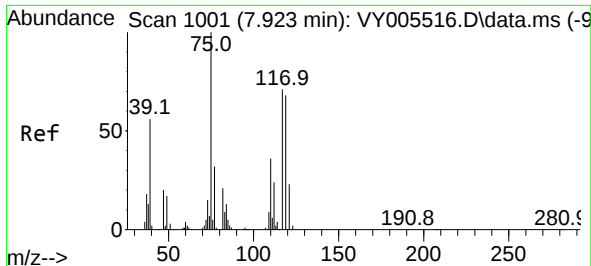
Delta R.T. -0.006 min

Lab File: VY005550.D

Acq: 05 Aug 2021 13:04

Tgt Ion:	113	Resp:	14041
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	24.8	19.2	28.8





#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY005550.D

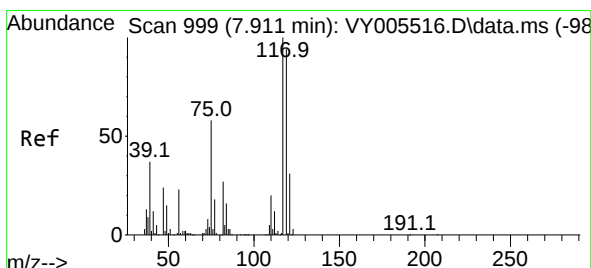
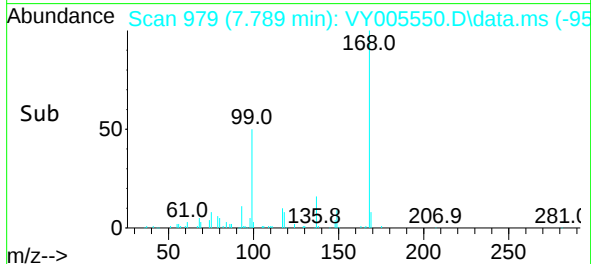
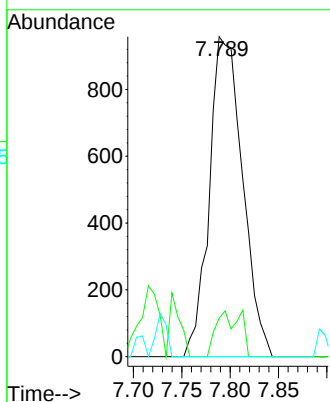
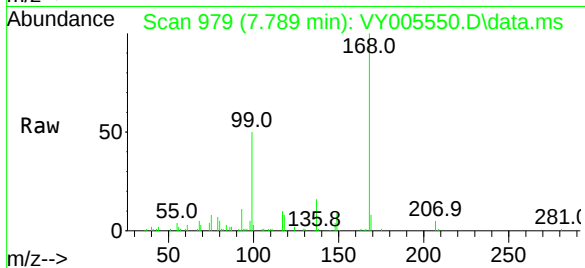
Acq: 05 Aug 2021 13:04

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	2286
Ion Ratio	Lower	Upper	
75	100		
110	0.0	18.1	54.1#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.063 ug/l

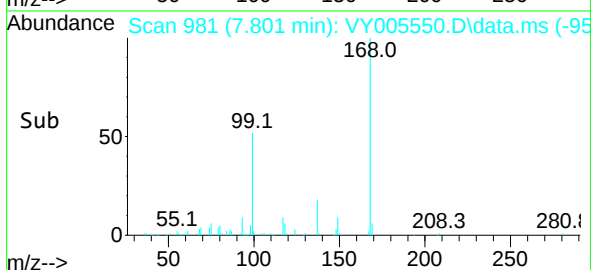
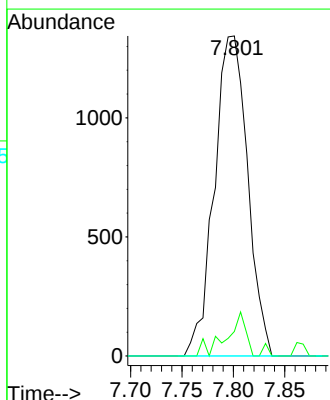
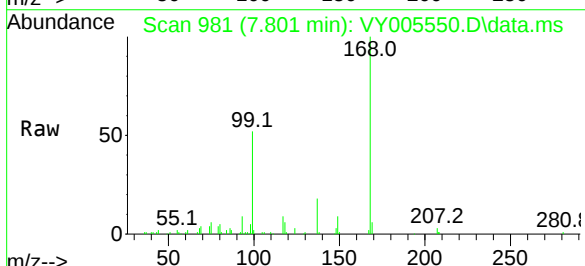
RT: 7.801 min Scan# 981

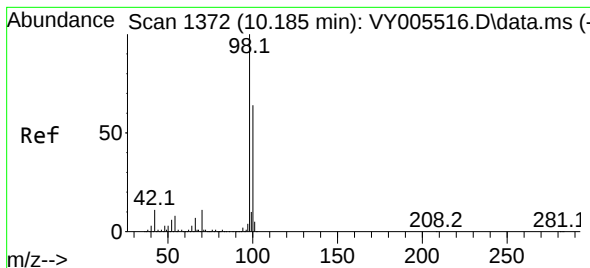
Delta R.T. -0.110 min

Lab File: VY005550.D

Acq: 05 Aug 2021 13:04

Tgt Ion:	117	Resp:	3034
Ion Ratio	Lower	Upper	
117	100		
119	7.7	75.4	113.0#
121	0.0	25.1	37.7#

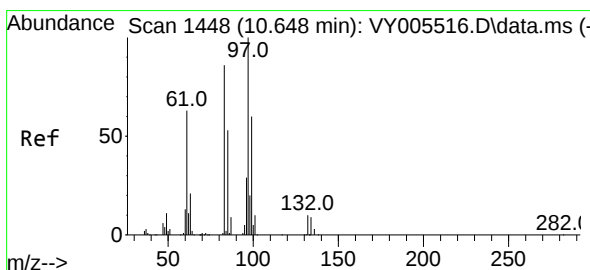
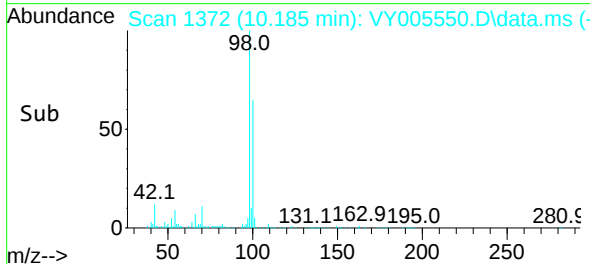
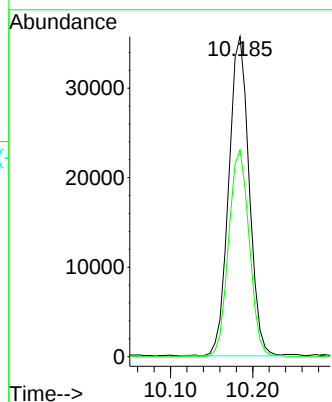
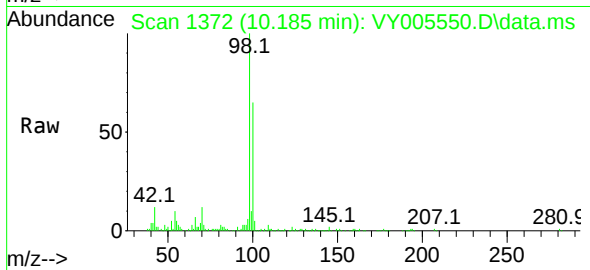




#50
Toluene-d8
Concen: 53.386 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

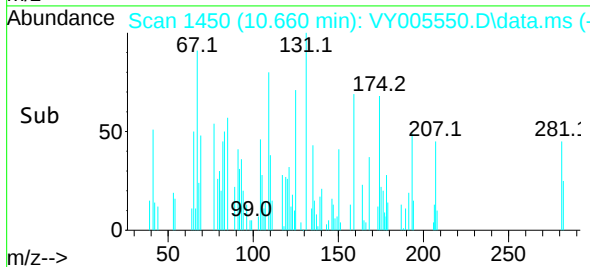
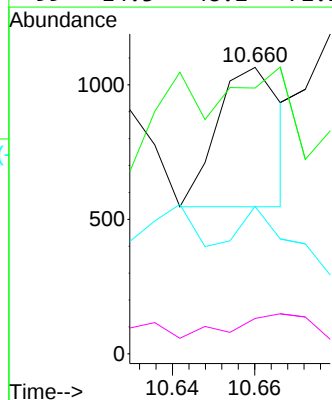
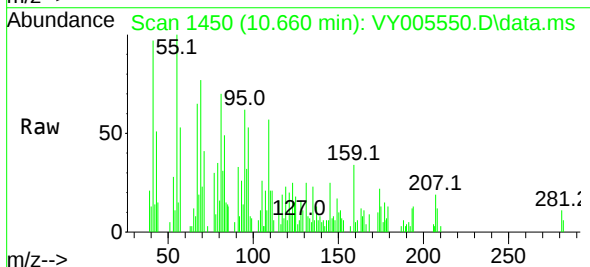
Instrument :
MSVOA_Y
ClientSampled :

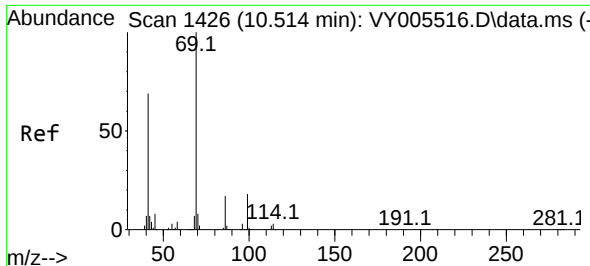
Tgt Ion: 98 Resp: 61540
Ion Ratio Lower Upper
98 100
100 65.4 51.3 76.9



#55
1,1,2-Trichloroethane
Concen: 2.129 ug/l
RT: 10.660 min Scan# 1450
Delta R.T. 0.012 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 97 Resp: 562
Ion Ratio Lower Upper
97 100
83 0.0 68.7 103.1#
85 23.4 42.4 63.6#
99 14.3 48.2 72.2#

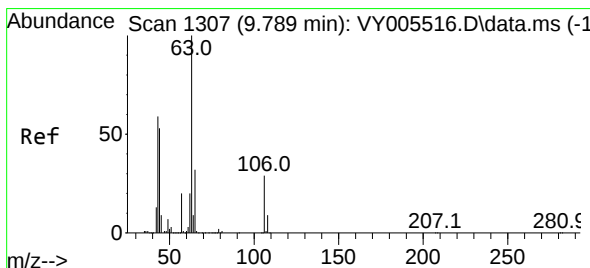
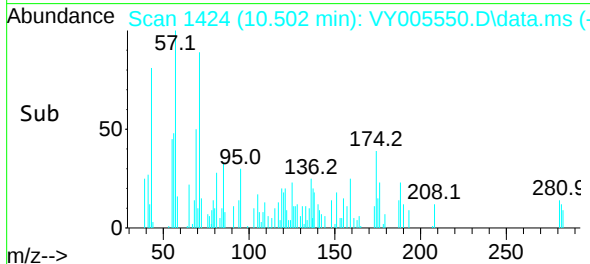
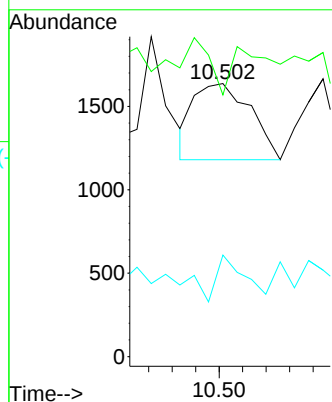
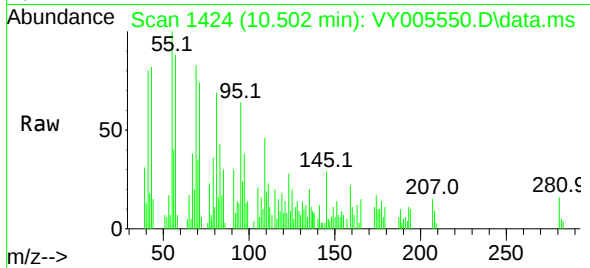




#56
Ethyl methacrylate
Concen: 1.951 ug/l
RT: 10.502 min Scan# 1424
Delta R.T. -0.013 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

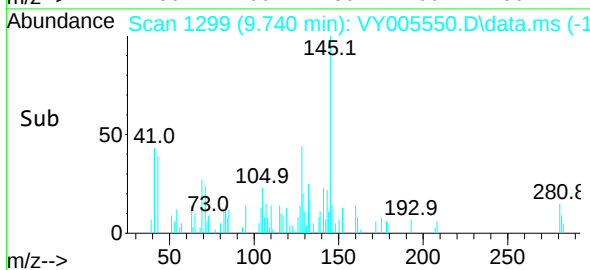
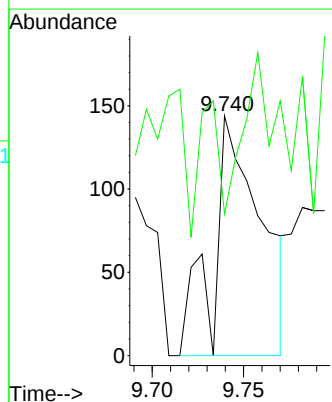
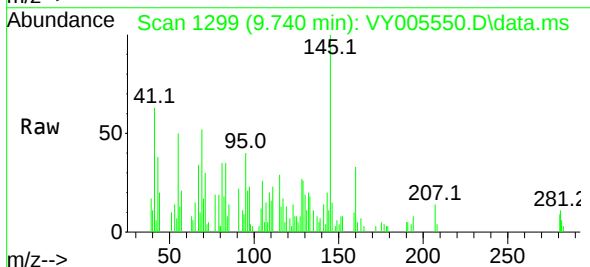
Instrument :
MSVOA_Y
ClientSampleId :

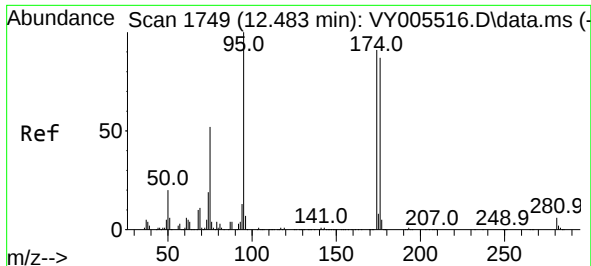
Tgt Ion: 69 Resp: 771
Ion Ratio Lower Upper
69 100
41 43.8 53.9 80.9#
39 30.4 27.0 40.4



#58
2-Chloroethyl Vinyl ether
Concen: 1.377 ug/l
RT: 9.740 min Scan# 1299
Delta R.T. -0.049 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 63 Resp: 260
Ion Ratio Lower Upper
63 100
106 63.1 23.1 34.7#

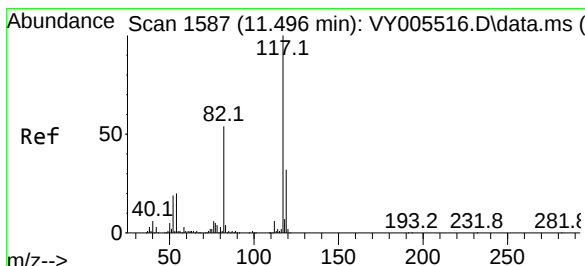
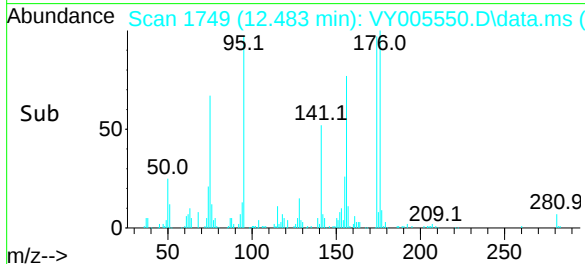
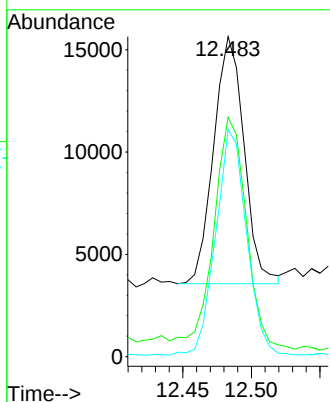
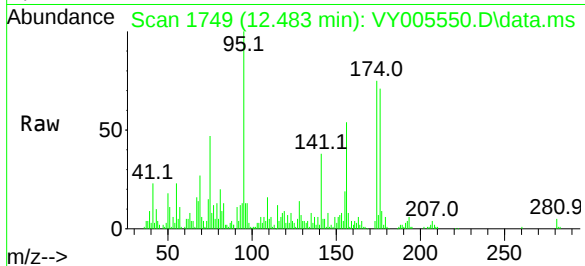




#62
4-Bromofluorobenzene
Concen: 48.799 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

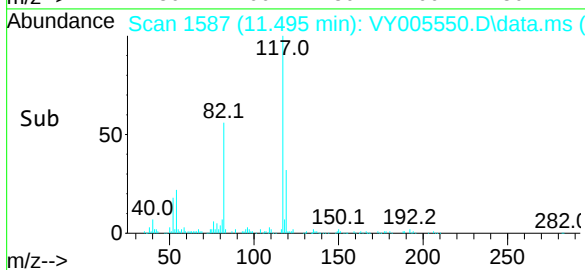
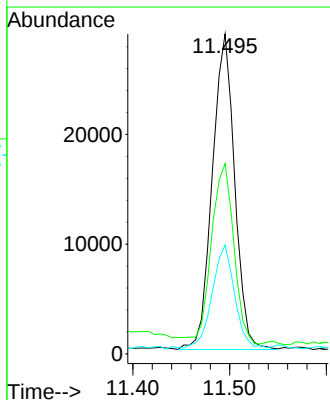
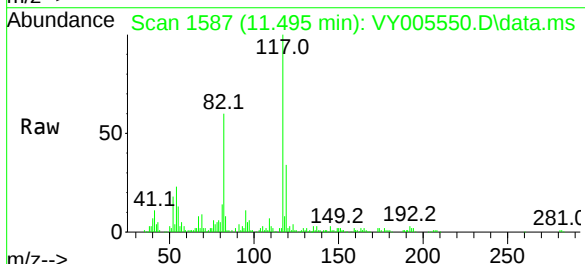
Instrument :
MSVOA_Y
ClientSampleId :

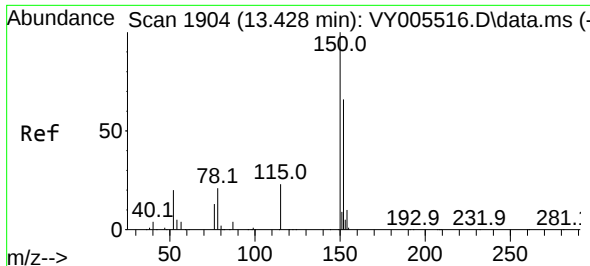
Tgt Ion: 95 Resp: 18628
Ion Ratio Lower Upper
95 100
174 100.9 0.0 191.4
176 91.9 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 117 Resp: 46173
Ion Ratio Lower Upper
117 100
82 56.9 43.5 65.3
119 32.6 25.5 38.3

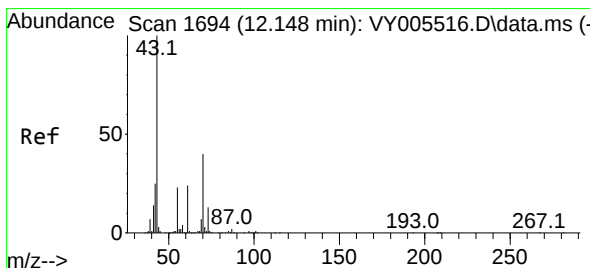
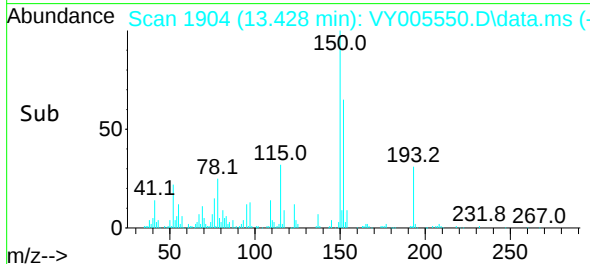
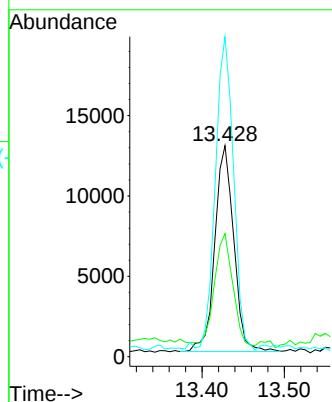
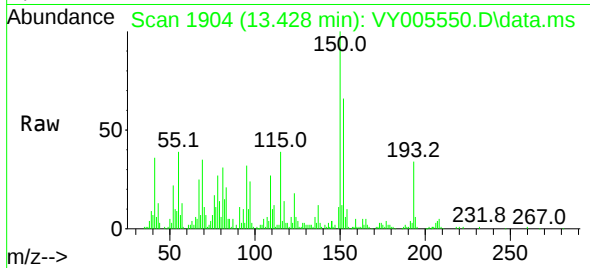




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

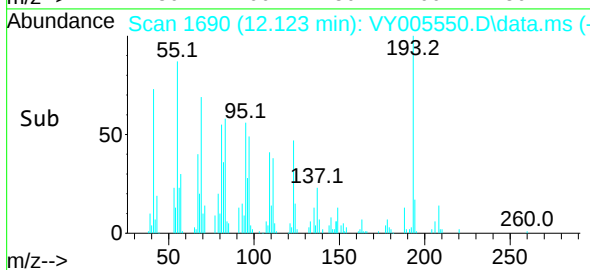
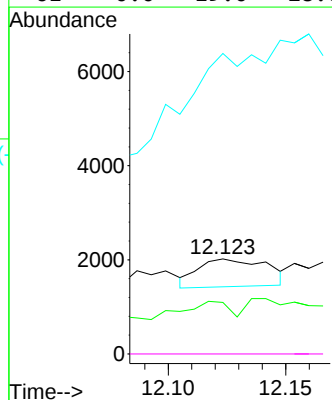
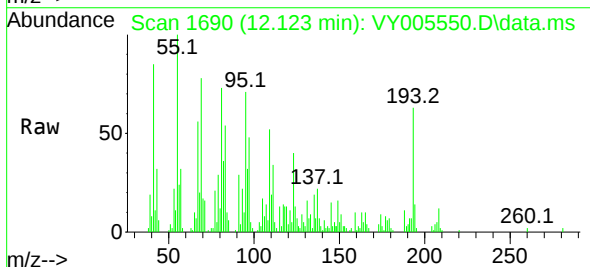
Instrument :
MSVOA_Y
ClientSampleId :

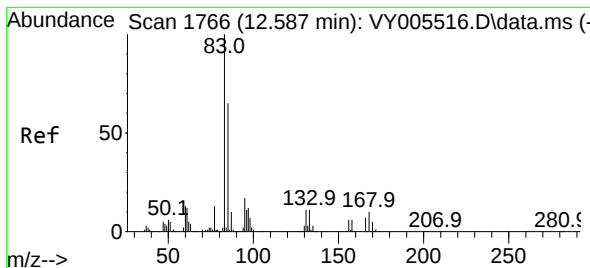
Tgt Ion:152 Resp: 20610
Ion Ratio Lower Upper
152 100
115 52.3 27.3 81.9
150 146.4 0.0 350.2



#74
N-ethyl acetate
Concen: 2.773 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
70 60.0 32.9 49.3#
55 297.5 18.9 28.3#
61 0.0 19.0 28.6#

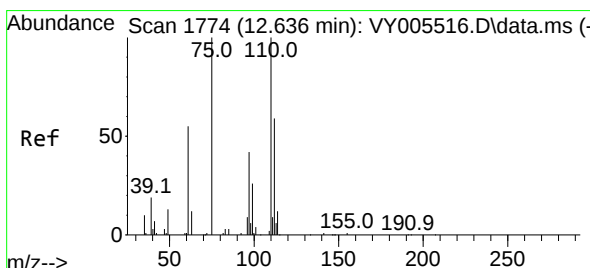
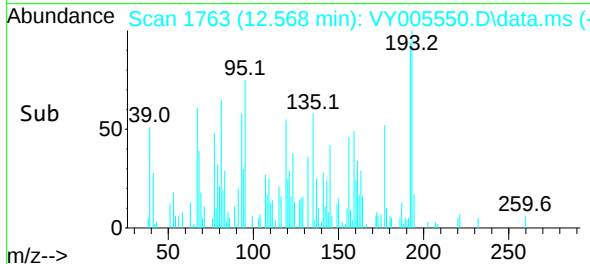
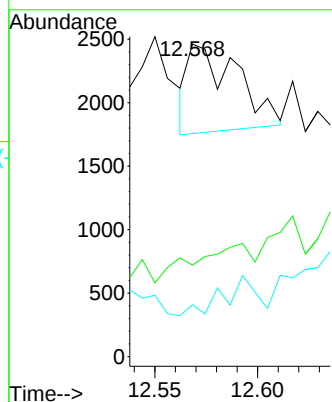
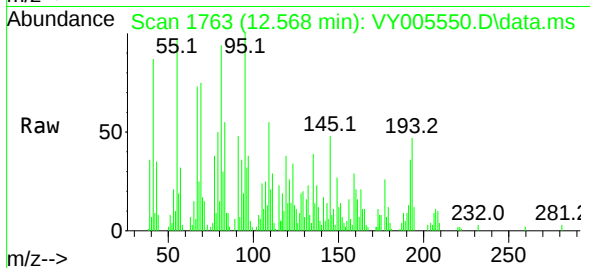




#75
1,1,2,2-Tetrachloroethane
Concen: 4.134 ug/l
RT: 12.568 min Scan# 1763
Delta R.T. -0.019 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

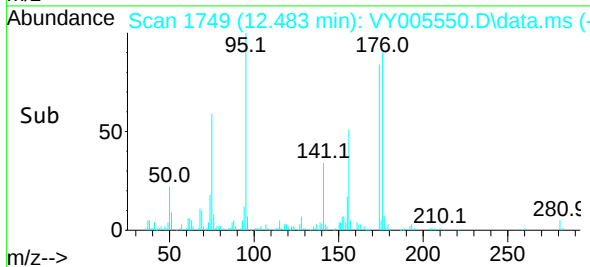
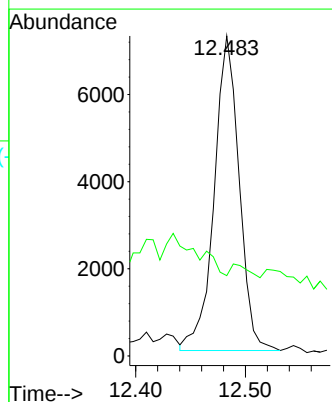
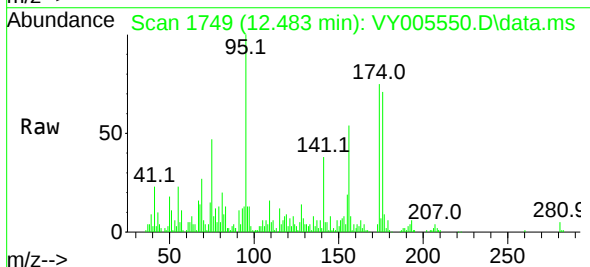
Instrument :
MSVOA_Y
ClientSampleId :

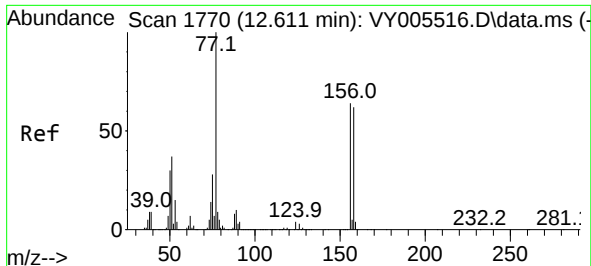
Tgt Ion: 83 Resp: 1144
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.0 96.2#



#76
1,2,3-Trichloropropane
Concen: 53.545 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 75 Resp: 11436
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

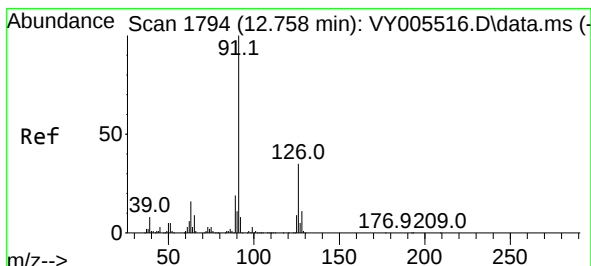
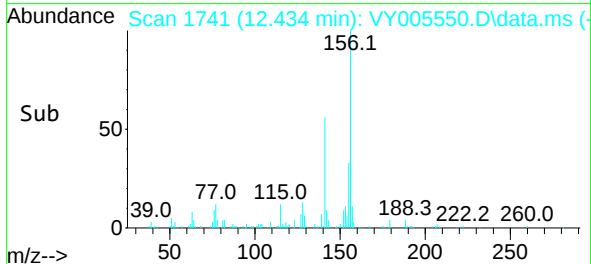
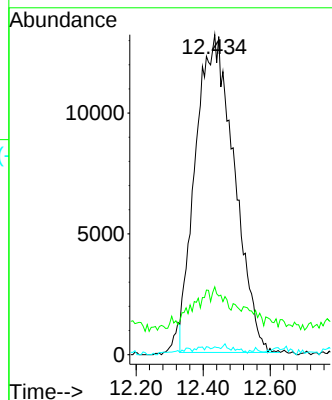
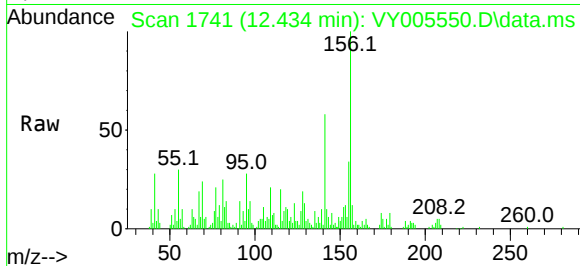




#77
Bromobenzene
Concen: 297.838 ug/l
RT: 12.434 min Scan# 1741
Delta R.T. -0.177 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

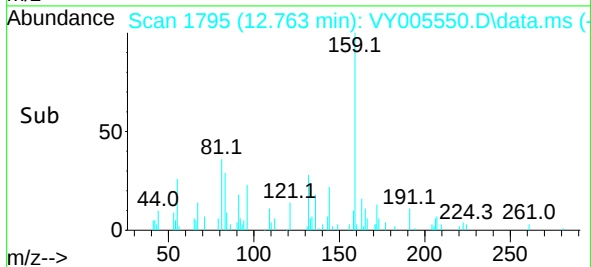
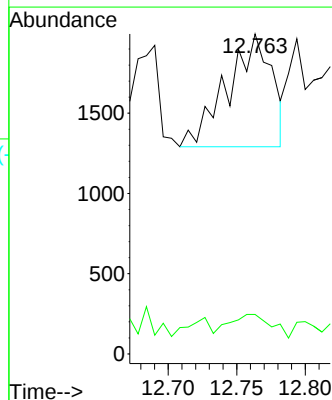
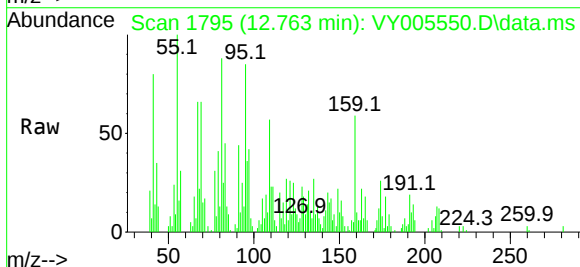
Instrument :
MSVOA_Y
ClientSampleId :

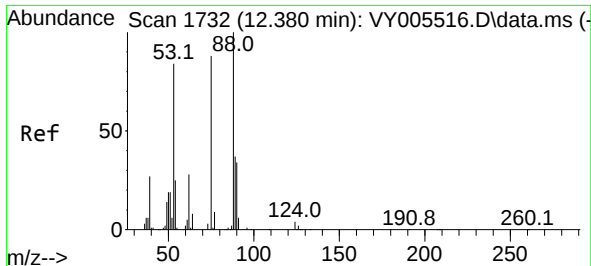
Tgt Ion:156 Resp: 105271
Ion Ratio Lower Upper
156 100
77 0.0 85.5 256.5#
158 0.0 48.5 145.6#



#79
2-Chlorotoluene
Concen: 1.663 ug/l
RT: 12.763 min Scan# 1795
Delta R.T. 0.006 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 91 Resp: 1596
Ion Ratio Lower Upper
91 100
126 17.6 17.5 52.6

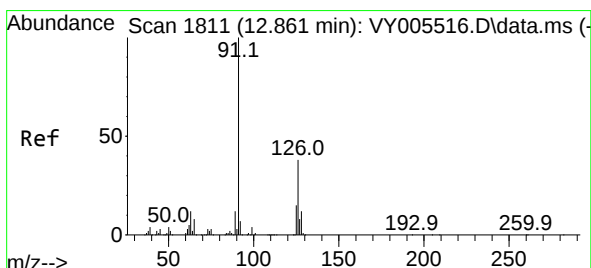
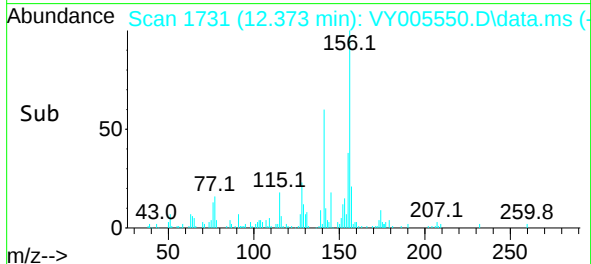
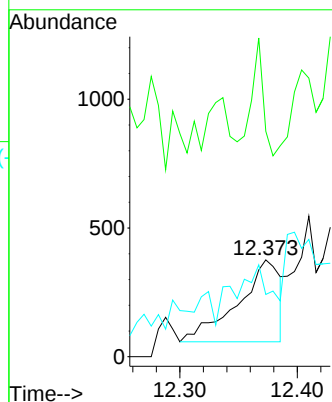
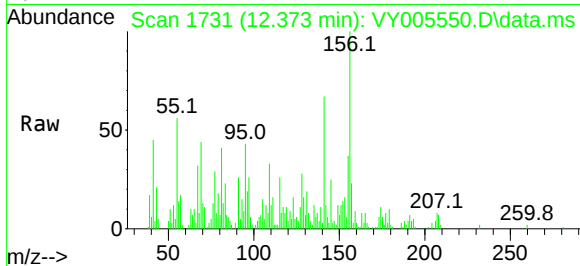




#81
trans-1,4-Dichloro-2-butene
Concen: 7.419 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. -0.006 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

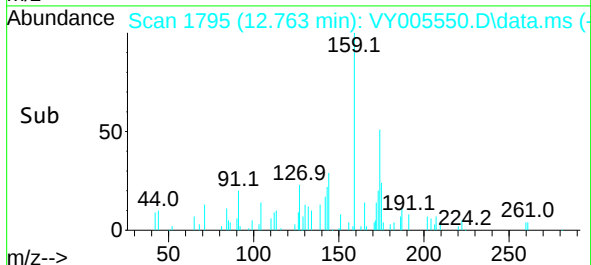
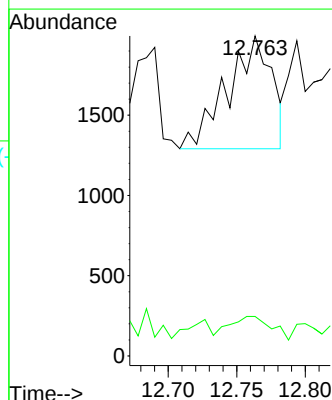
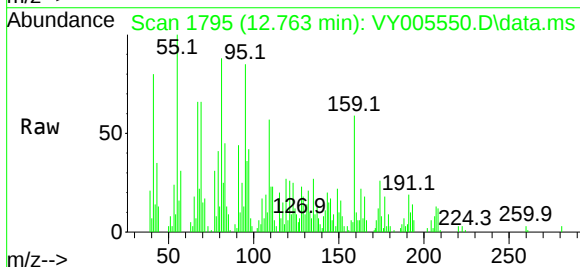
Instrument :
MSVOA_Y
ClientSampleId :

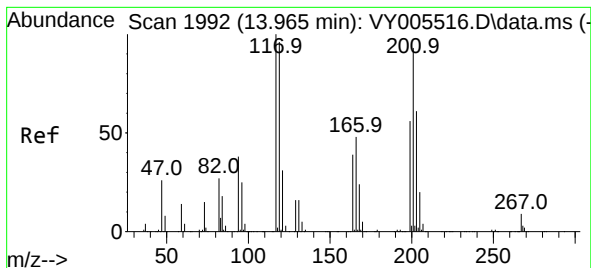
Tgt Ion: 75 Resp: 786
Ion Ratio Lower Upper
75 100
53 39.4 76.7 115.1#
89 13.2 38.4 57.6#



#82
4-Chlorotoluene
Concen: 1.608 ug/l
RT: 12.763 min Scan# 1795
Delta R.T. -0.098 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 91 Resp: 1596
Ion Ratio Lower Upper
91 100
126 17.6 17.5 52.5

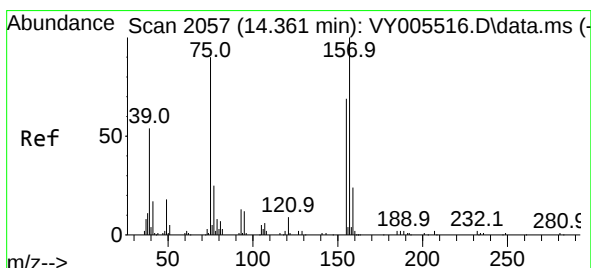
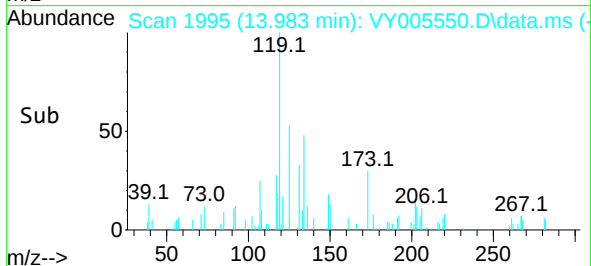
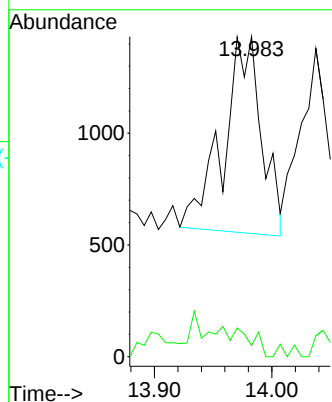
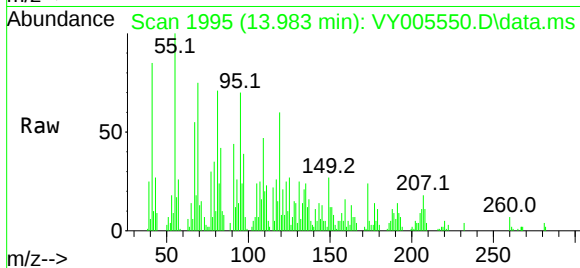




#90
Hexachloroethane
Concen: 8.335 ug/l
RT: 13.983 min Scan# 1995
Delta R.T. 0.018 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

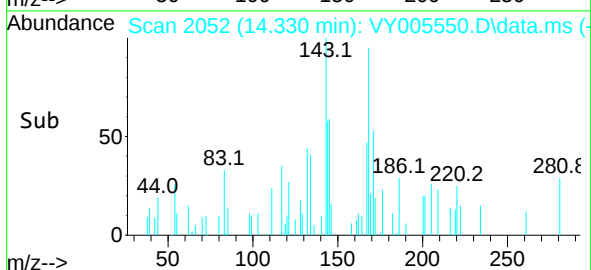
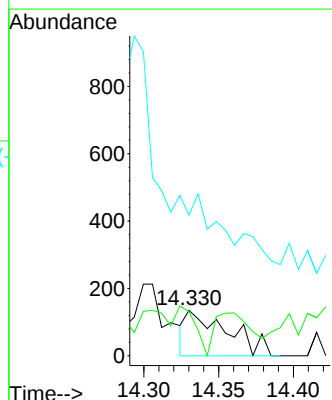
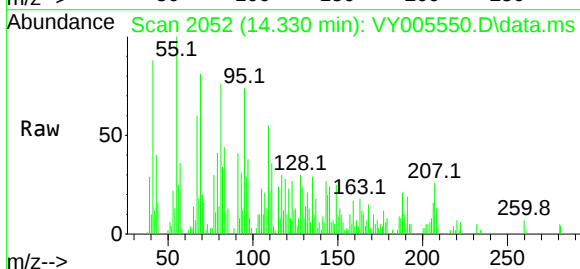
Instrument :
MSVOA_Y
ClientSampleId :

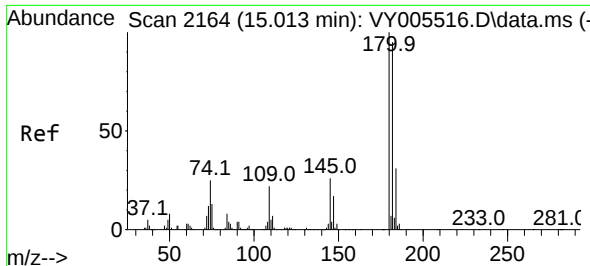
Tgt Ion:117 Resp: 1988
Ion Ratio Lower Upper
117 100
201 0.0 46.7 140.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.976 ug/l
RT: 14.330 min Scan# 2052
Delta R.T. -0.031 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

Tgt Ion: 75 Resp: 261
Ion Ratio Lower Upper
75 100
155 0.0 42.4 127.1#
157 0.0 56.0 168.2#

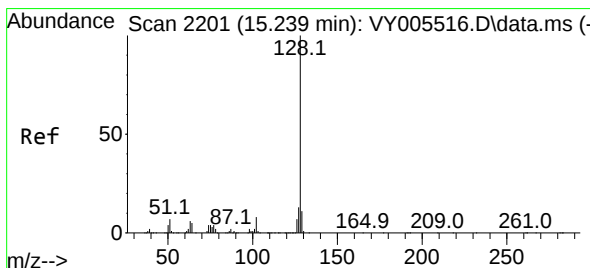
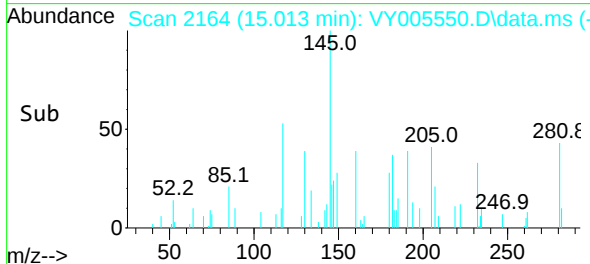
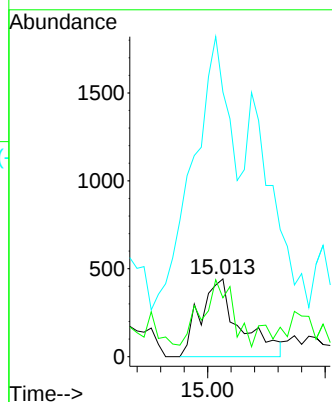
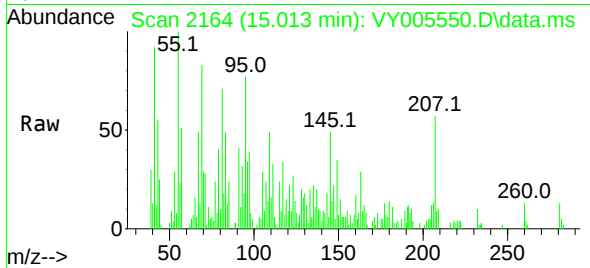




#93
1,2,4-Trichlorobenzene
Concen: 2.464 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. -0.000 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

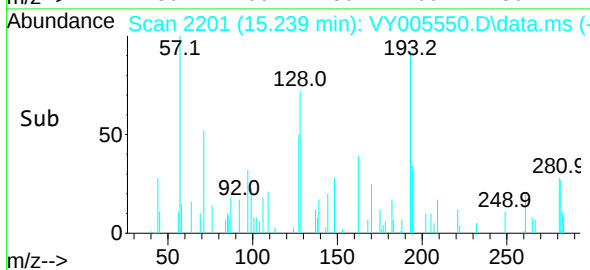
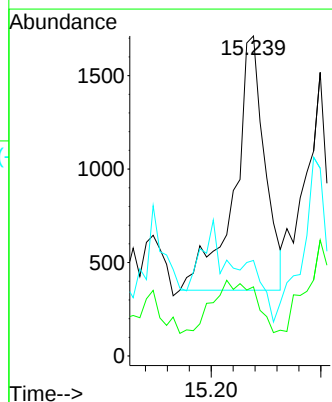
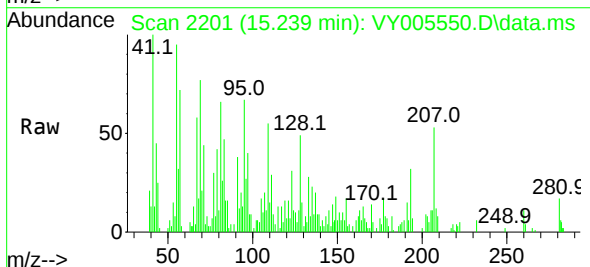
Instrument :
MSVOA_Y
ClientSampleId :

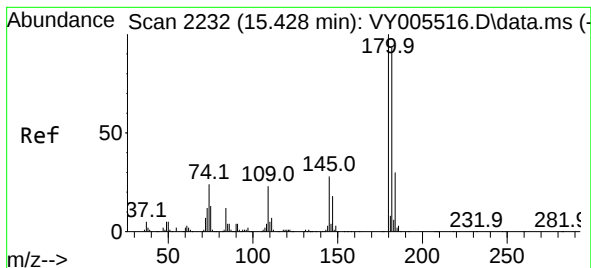
Tgt Ion:180 Resp: 1031
Ion Ratio Lower Upper
180 100
182 65.9 47.8 143.4
145 350.5 14.0 42.0#



#95
Naphthalene
Concen: 3.192 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005550.D
Acq: 05 Aug 2021 13:04

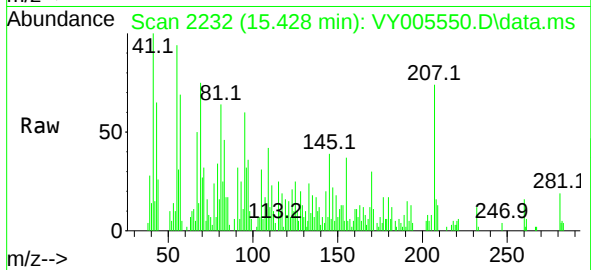
Tgt Ion:128 Resp: 2633
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.188 ug/l
 RT: 15.428 min Scan# 2232
 Delta R.T. -0.000 min
 Lab File: VY005550.D
 Acq: 05 Aug 2021 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 811
 Ion Ratio Lower Upper
 180 100
 182 89.9 47.9 143.6
 145 182.6 14.6 44.0#

