

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072721\
 Data File : VY005466.D
 Acq On : 27 Jul 2021 15:51
 Operator : SY/MD
 Sample : M3194-01
 Misc : 5.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 28 02:34:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

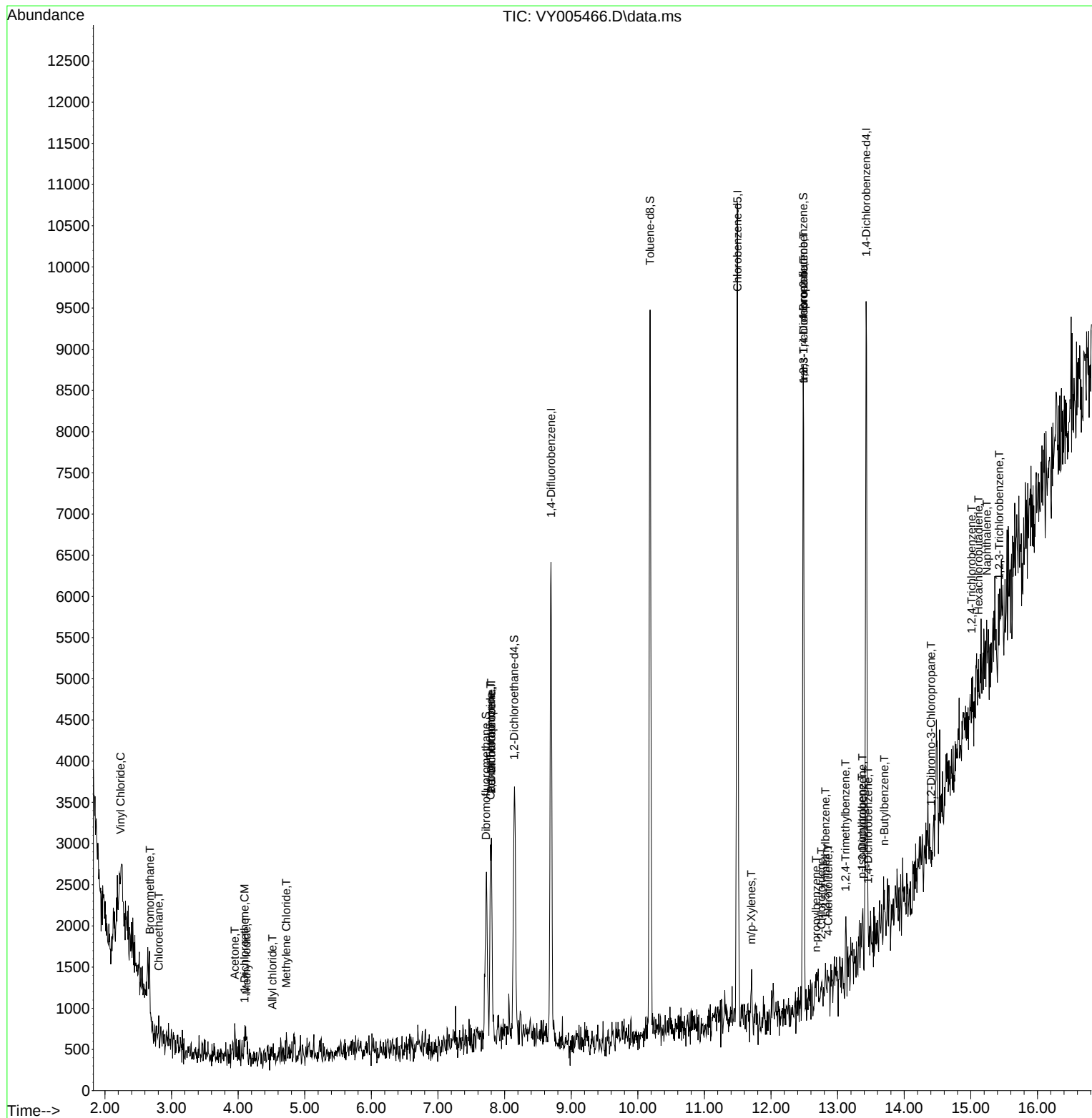
Internal Standards						
1) Pentafluorobenzene	7.801	168	2578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	5057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	5415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	2658	96.508	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	= 193.020%	#	
35) Dibromofluoromethane	7.722	113	1340	45.891	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	= 91.780%		
50) Toluene-d8	10.185	98	6043	48.829	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	= 97.660%		
62) 4-Bromofluorobenzene	12.483	95	2231	54.620	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	= 109.240%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.235	62	319	9.364	ug/l #	43
5) Bromomethane	2.674	94	68	2.731	ug/l #	66
6) Chloroethane	2.808	64	160	7.476	ug/l #	42
10) Methyl Iodide	4.125	142	474	17.250	ug/l #	60
12) 1,1-Dichloroethene	4.095	96	26	1.055	ug/l #	1
14) Allyl chloride	4.515	41	45	1.020	ug/l #	24
16) Acetone	3.948	43	257	40.860	ug/l #	84
20) Methylene Chloride	4.722	84	81	1.174	ug/l #	46
36) 1,1-Dichloropropene	7.801	75	107	2.188	ug/l #	41
38) Carbon Tetrachloride	7.789	117	97	1.815	ug/l #	12
68) m/p-Xylenes	11.703	106	180	2.296	ug/l #	71
76) 1,2,3-Trichloropropane	12.489	75	1223	55.192	ug/l #	100
78) n-propylbenzene	12.678	91	231	1.233	ug/l #	52
79) 2-Chlorotoluene	12.758	91	124	1.178	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.819	105	169	1.303	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.489	75	1223	107.167	ug/l #	11
82) 4-Chlorotoluene	12.861	91	207	1.900	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.117	105	239	1.837	ug/l	96
86) p-Isopropyltoluene	13.367	119	212	1.477	ug/l #	50
87) 1,3-Dichlorobenzene	13.373	146	198	2.655	ug/l #	25
88) 1,4-Dichlorobenzene	13.459	146	124	1.678	ug/l #	40
89) n-Butylbenzene	13.703	91	152	1.154	ug/l #	65
92) 1,2-Dibromo-3-Chloropr...	14.404	75	20	3.478	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.013	180	49	1.066	ug/l #	1
94) Hexachlorobutadiene	15.117	225	41	1.408	ug/l #	18
95) Naphthalene	15.239	128	256	2.769	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	61	1.473	ug/l #	21

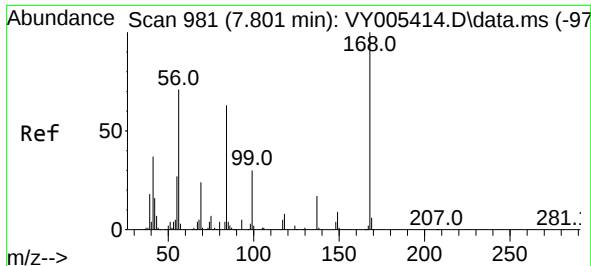
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072721\
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Quant Title : SW846 8260
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Response via : Initial Calibration

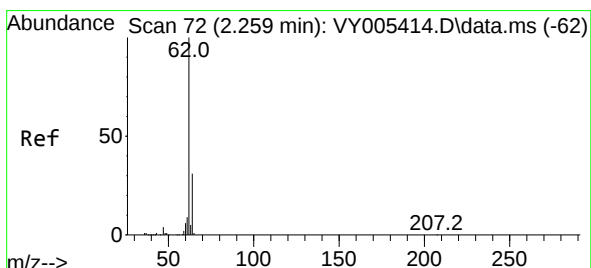
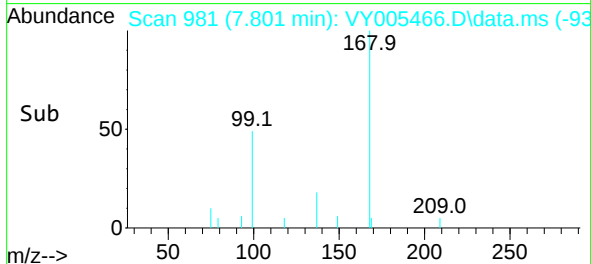
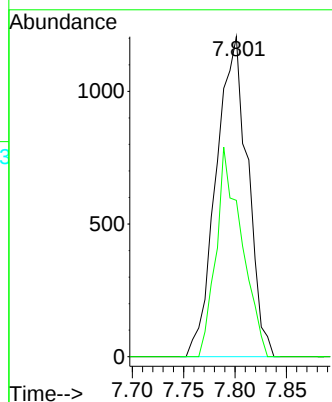
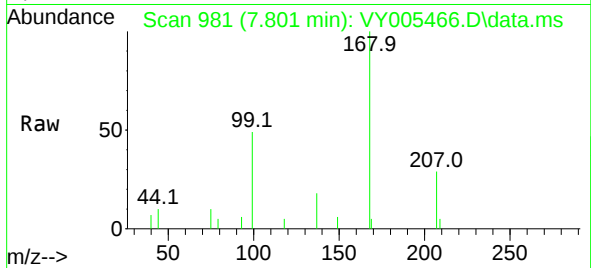




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

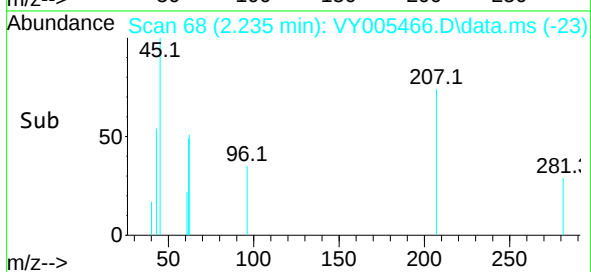
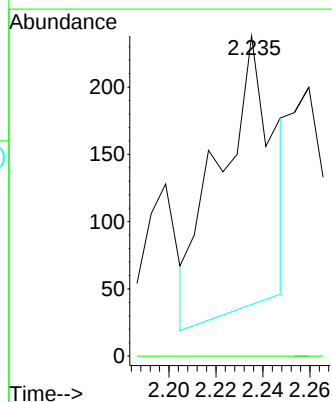
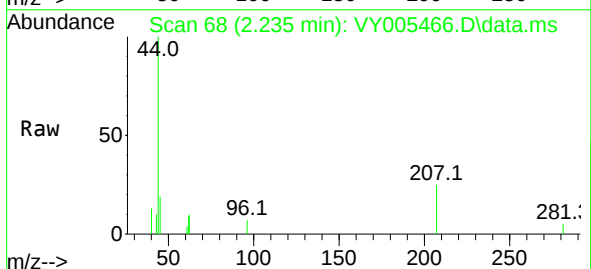
Instrument :
MSVOA_Y
ClientSampled :

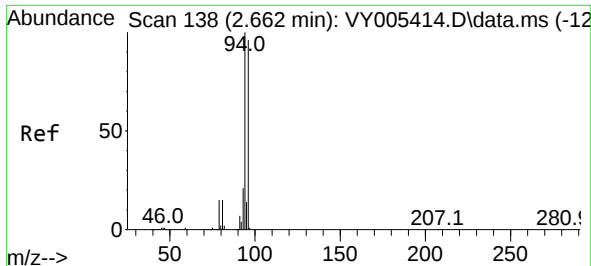
Tgt Ion:168 Resp: 2578
Ion Ratio Lower Upper
168 100
99 48.8 39.8 59.6



#4
Vinyl Chloride
Concen: 9.364 ug/l
RT: 2.235 min Scan# 68
Delta R.T. -0.024 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion: 62 Resp: 319
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

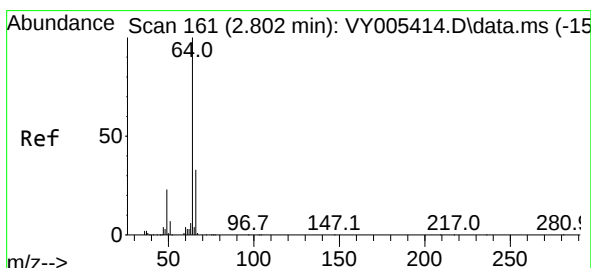
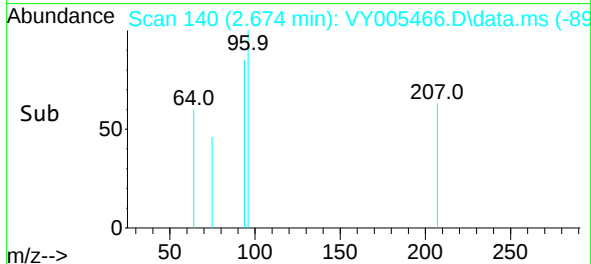
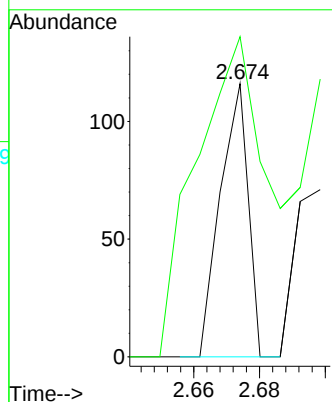
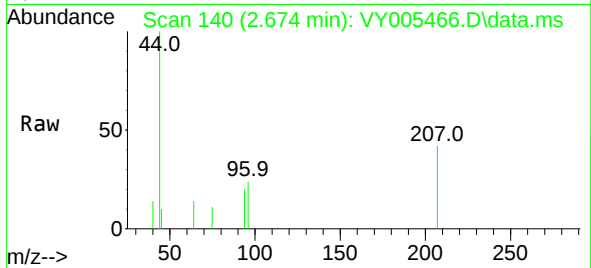




#5
Bromomethane
Concen: 2.731 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.012 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

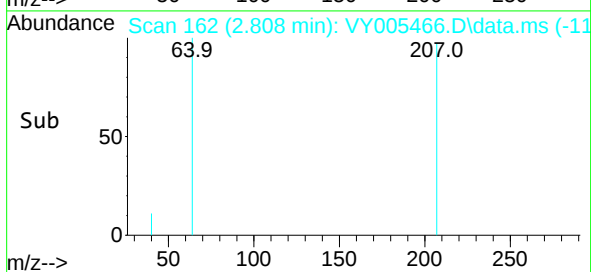
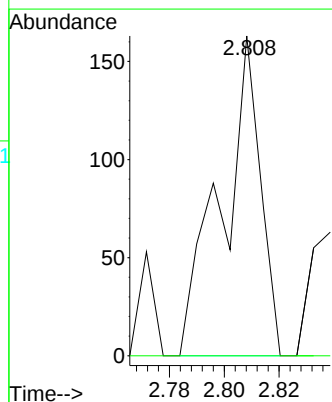
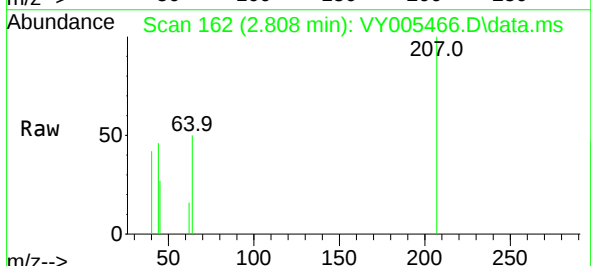
Instrument :
MSVOA_Y
ClientSampled :

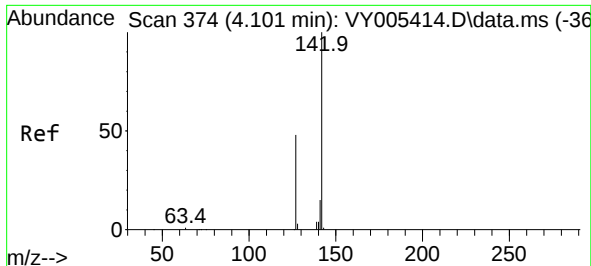
Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 62.9 76.6 115.0#



#6
Chloroethane
Concen: 7.476 ug/l
RT: 2.808 min Scan# 162
Delta R.T. 0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

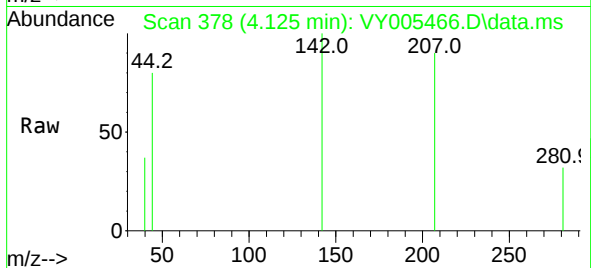
Tgt Ion: 64 Resp: 160
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



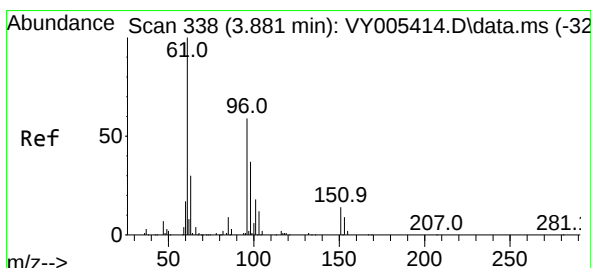
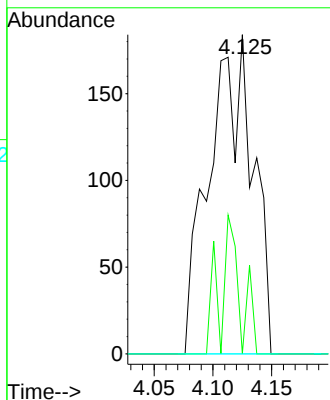
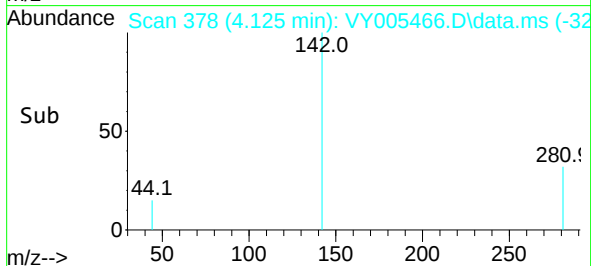


#10
Methyl Iodide
Concen: 17.250 ug/l
RT: 4.125 min Scan# 378
Delta R.T. 0.024 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

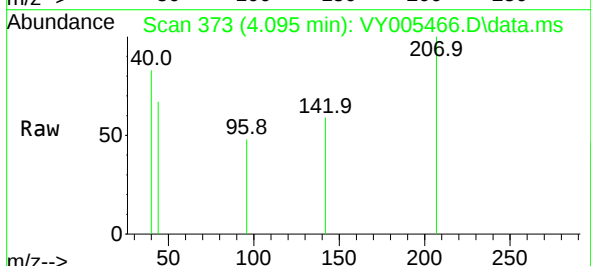
Instrument :
MSVOA_Y
ClientSampleId :



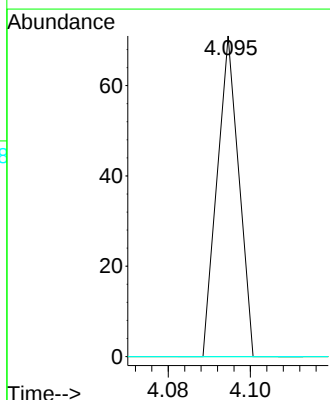
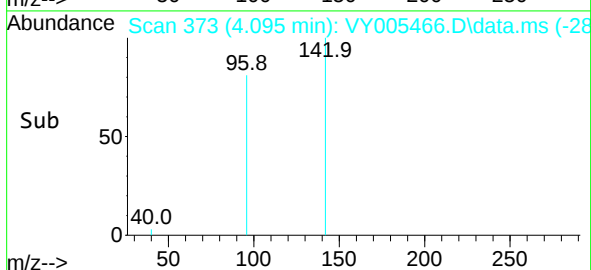
Tgt Ion:	142	Resp:	474
Ion	Ratio	Lower	Upper
142	100		
127	19.8	38.2	57.4#
141	0.0	12.0	18.0#

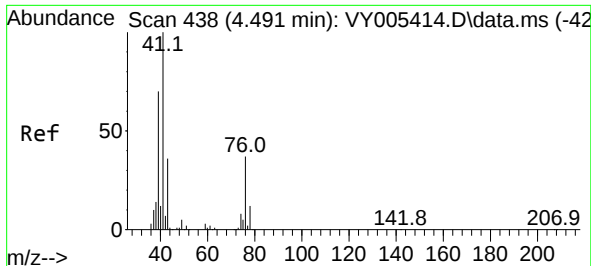


#12
1,1-Dichloroethene
Concen: 1.055 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.213 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51



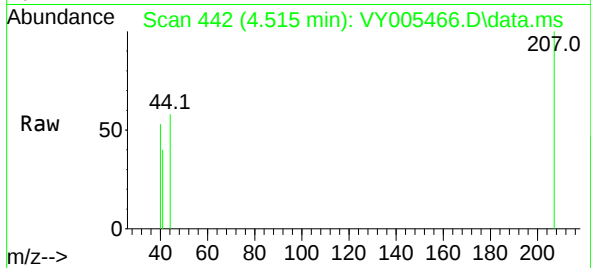
Tgt Ion:	96	Resp:	26
Ion	Ratio	Lower	Upper
96	100		
61	0.0	135.4	203.0#
98	0.0	50.2	75.4#



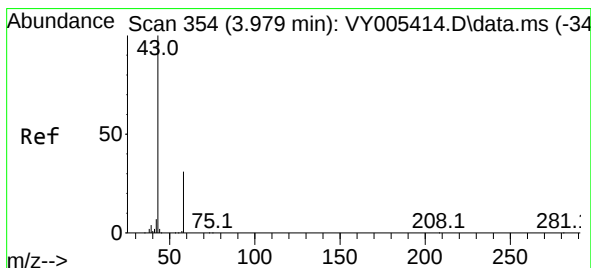
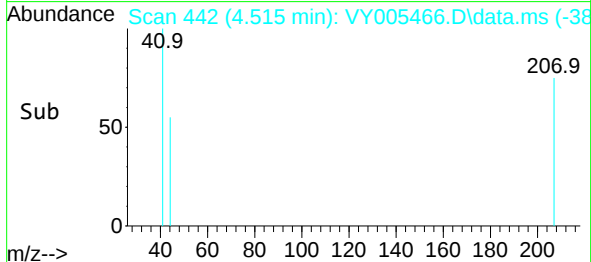
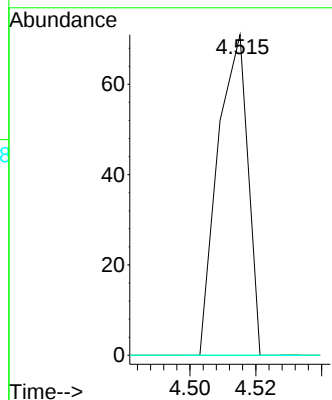


#14
 Allyl chloride
 Concen: 1.020 ug/l
 RT: 4.515 min Scan# 442
 Delta R.T. 0.024 min
 Lab File: VY005466.D
 Acq: 27 Jul 2021 15:51

Instrument :
 MSVOA_Y
 ClientSampled :

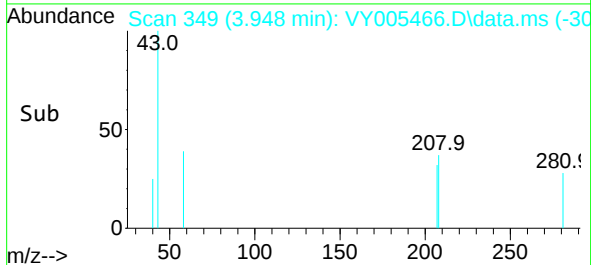
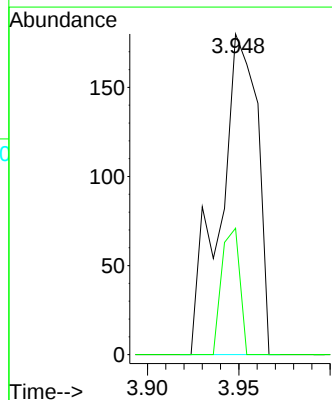
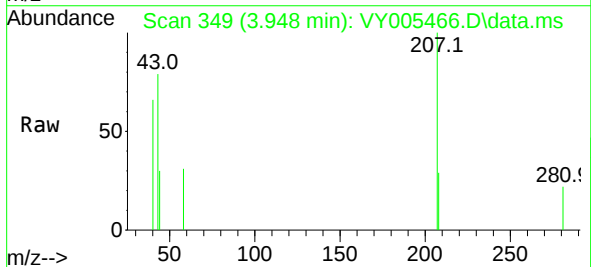


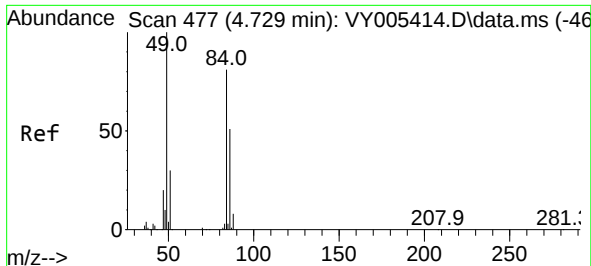
Tgt Ion: 41 Resp: 45
 Ion Ratio Lower Upper
 41 100
 39 0.0 54.6 82.0#
 76 0.0 29.2 43.8#



#16
 Acetone
 Concen: 40.860 ug/l
 RT: 3.948 min Scan# 349
 Delta R.T. -0.030 min
 Lab File: VY005466.D
 Acq: 27 Jul 2021 15:51

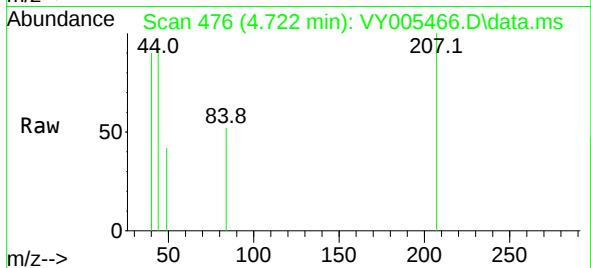
Tgt Ion: 43 Resp: 257
 Ion Ratio Lower Upper
 43 100
 58 39.4 24.5 36.7#



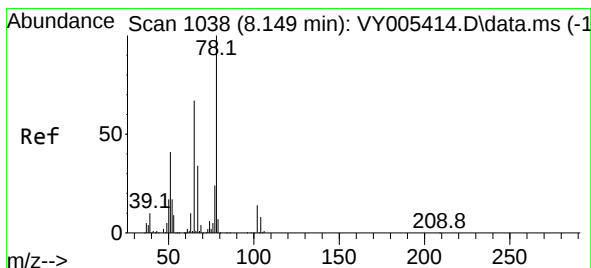
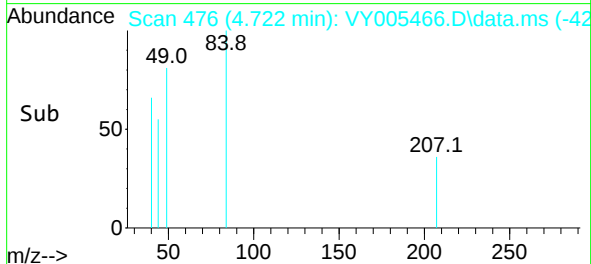
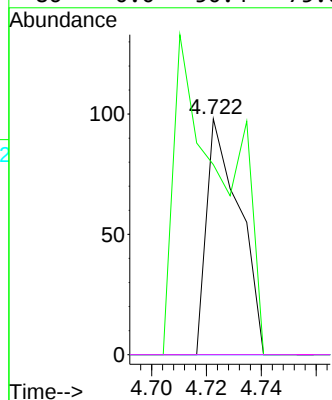


#20
Methylene Chloride
Concen: 1.174 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Instrument :
MSVOA_Y
ClientSampleId :

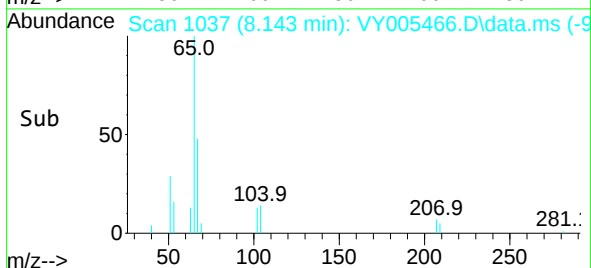
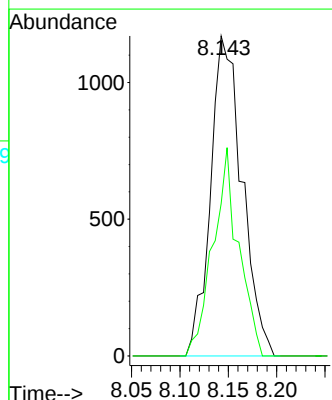
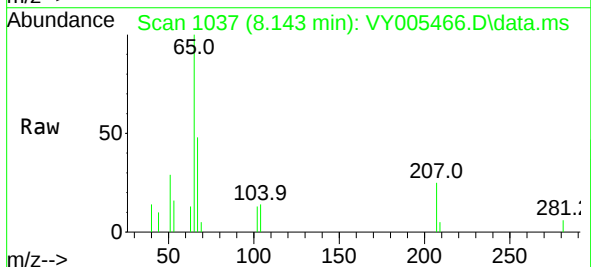


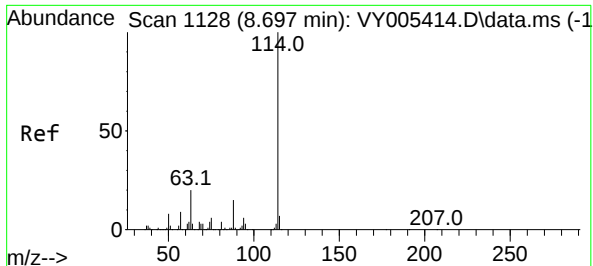
Tgt Ion: 84	Resp: 81
Ion Ratio	Lower Upper
84 100	
49 80.6	98.9 148.3#
51 0.0	30.0 45.0#
86 0.0	50.4 75.6#



#33
1,2-Dichloroethane-d4
Concen: 96.508 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion: 65	Resp: 2658
Ion Ratio	Lower Upper
65 100	
67 52.9	0.0 102.2

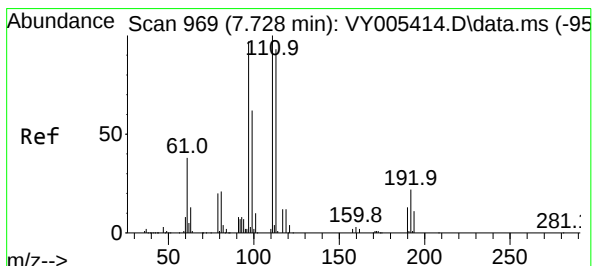
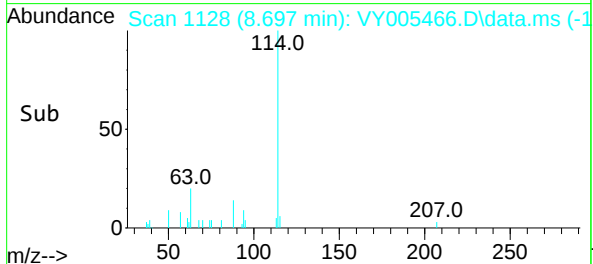
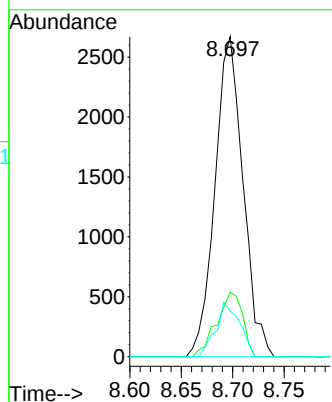
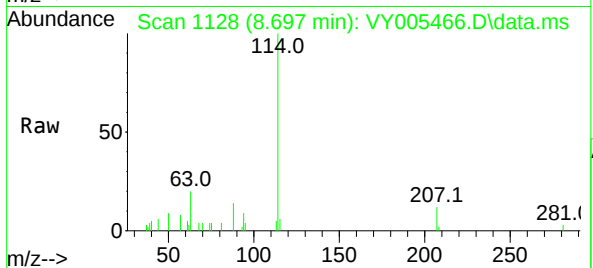




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

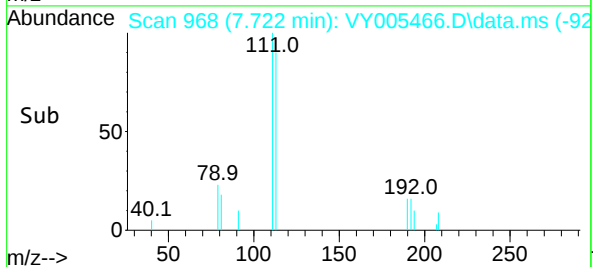
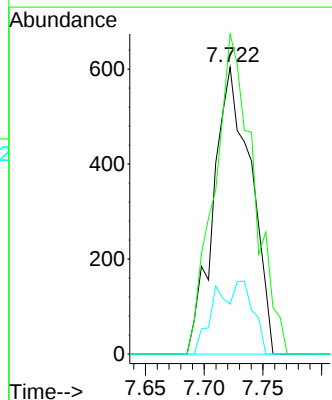
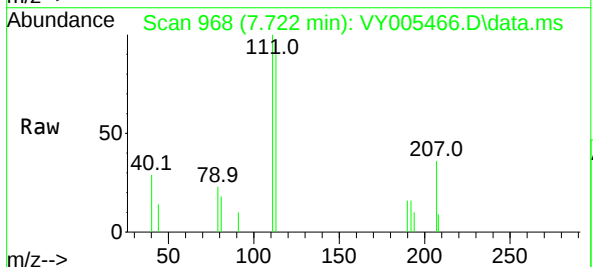
Instrument :
MSVOA_Y
ClientSampled :

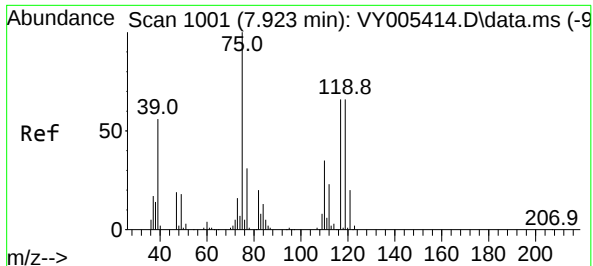
Tgt Ion:	114	Resp:	5057
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.0
88	14.3	0.0	30.8



#35
Dibromofluoromethane
Concen: 45.891 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion:	113	Resp:	1340
Ion	Ratio	Lower	Upper
113	100		
111	116.9	82.6	124.0
192	25.9	18.9	28.3

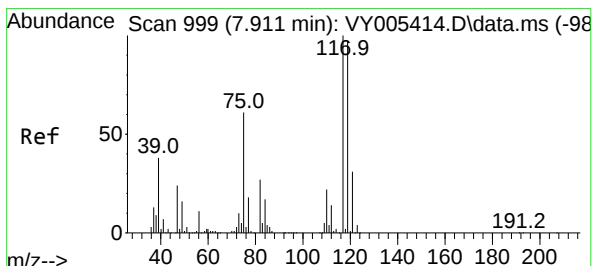
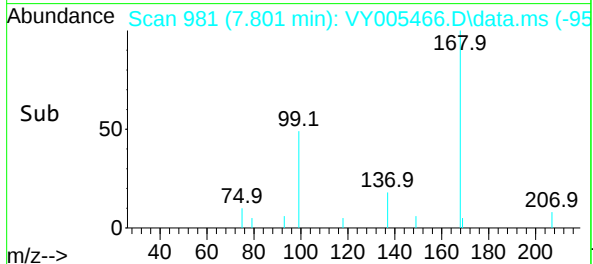
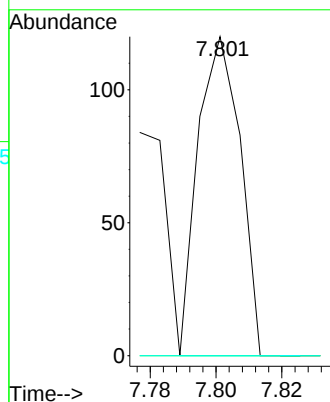
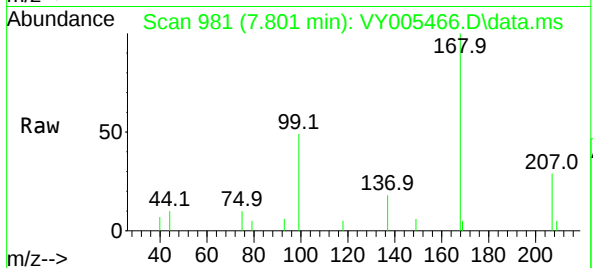




#36
1,1-Dichloropropene
Concen: 2.188 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

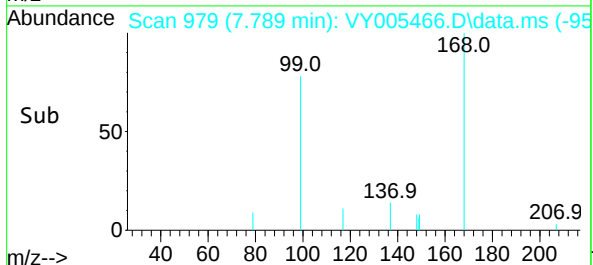
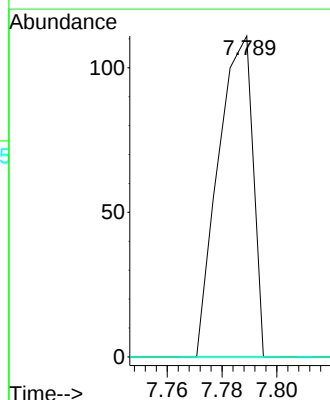
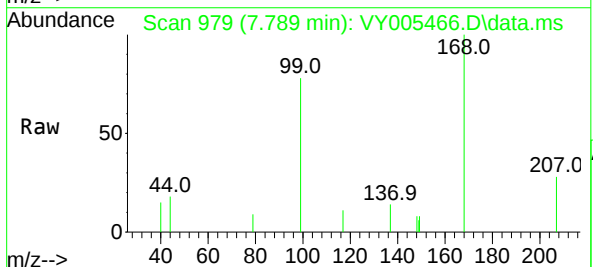
Instrument :
MSVOA_Y
ClientSampleId :

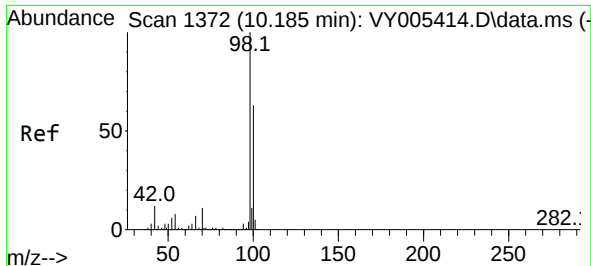
Tgt Ion: 75 Resp: 107
Ion Ratio Lower Upper
75 100
110 0.0 17.6 52.9#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 1.815 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion: 117 Resp: 97
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 25.1 37.7#

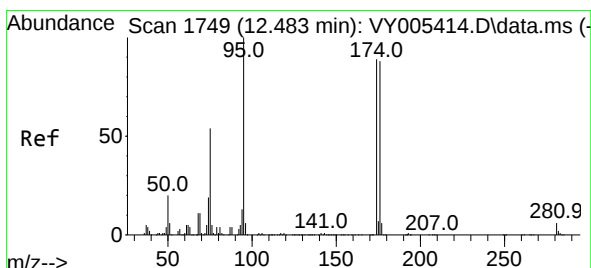
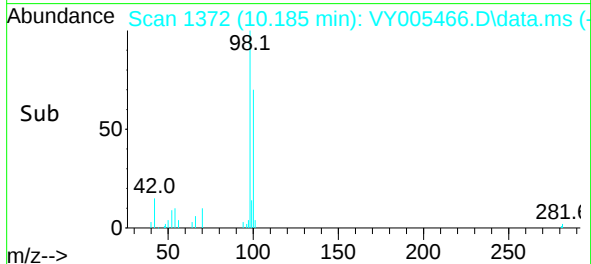
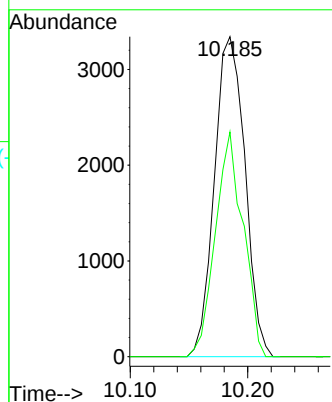
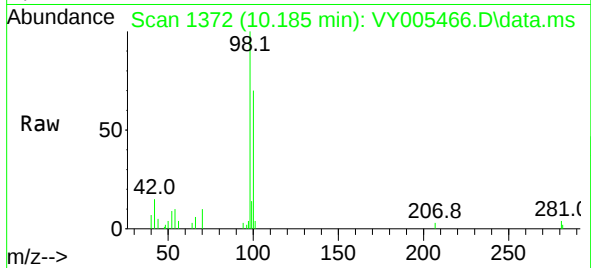




#50
Toluene-d8
Concen: 48.829 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

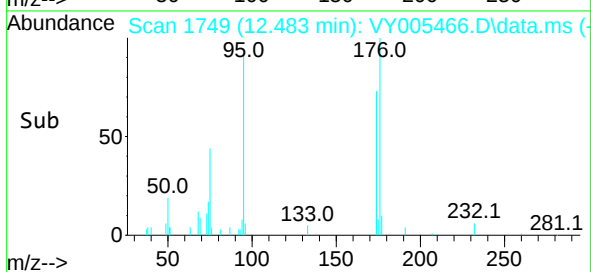
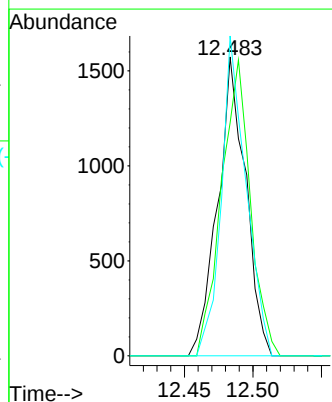
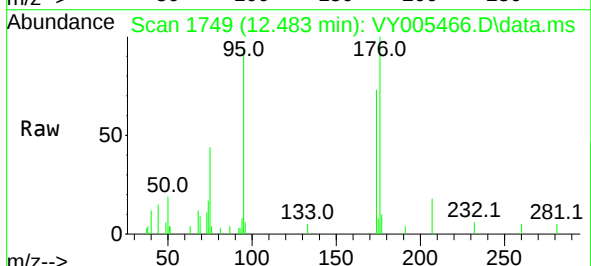
Instrument :
MSVOA_Y
ClientSampled :

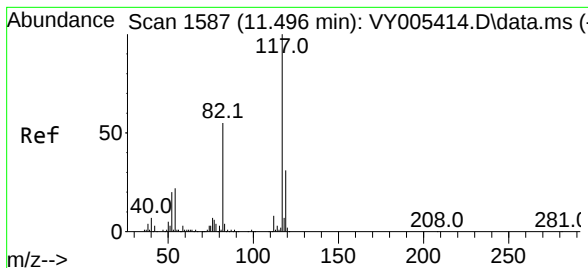
Tgt Ion: 98 Resp: 6043
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 54.620 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion: 95 Resp: 2231
Ion Ratio Lower Upper
95 100
174 102.6 0.0 186.6
176 94.7 0.0 182.4

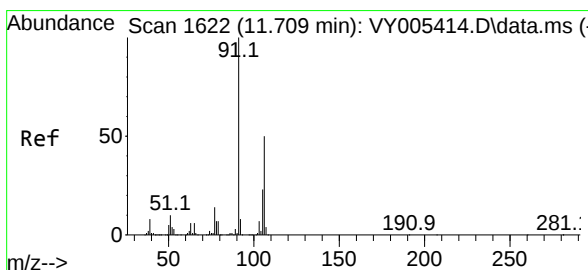
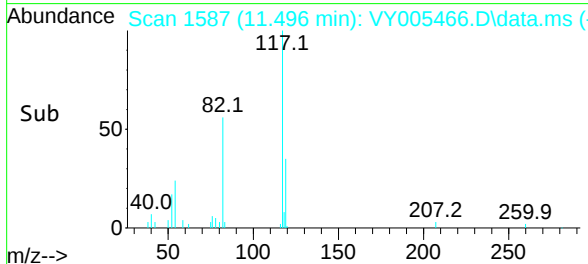
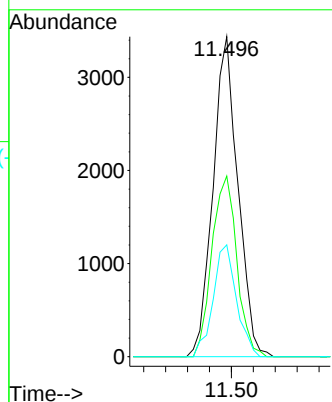
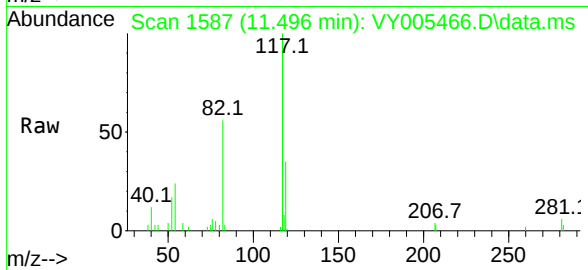




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

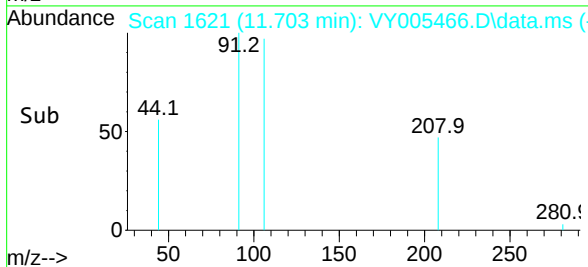
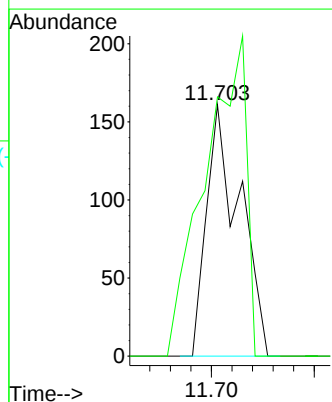
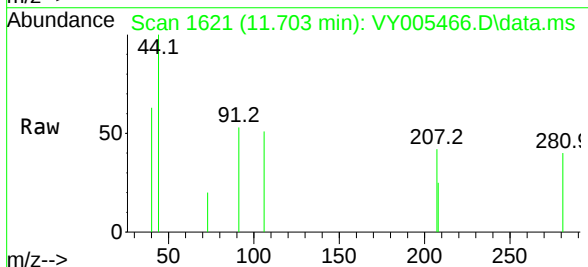
Instrument :
MSVOA_Y
ClientSampleId :

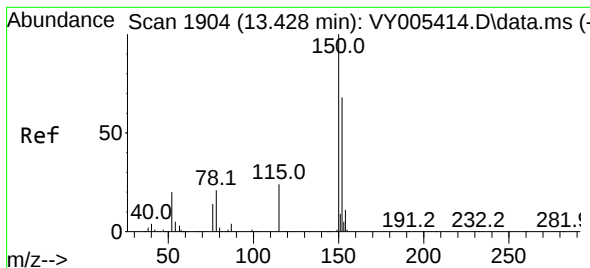
Tgt Ion:117 Resp: 5415
Ion Ratio Lower Upper
117 100
82 56.4 43.8 65.6
119 35.0 24.8 37.2



#68
m/p-Xylenes
Concen: 2.296 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion:106 Resp: 180
Ion Ratio Lower Upper
106 100
91 158.3 161.4 242.2#

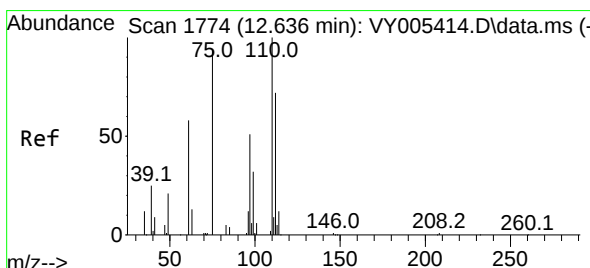
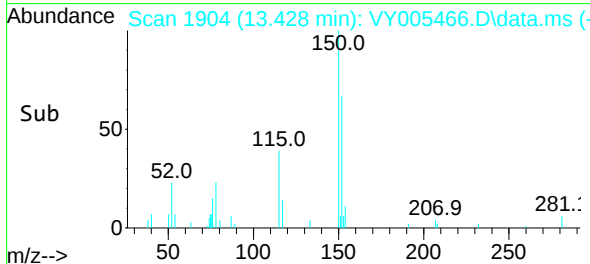
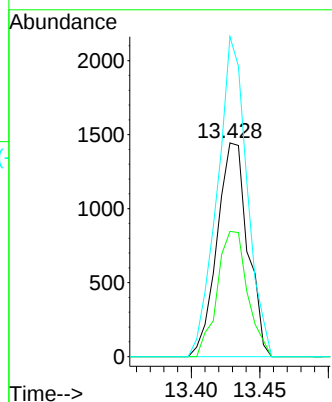
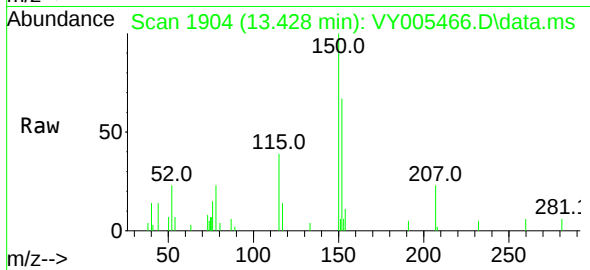




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY005466.D
 Acq: 27 Jul 2021 15:51

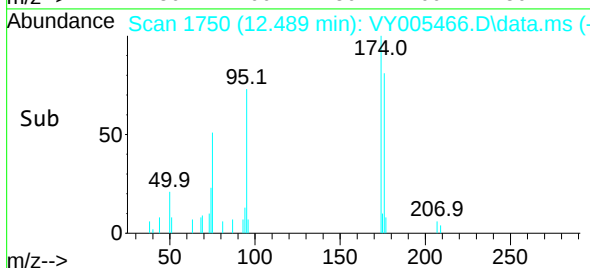
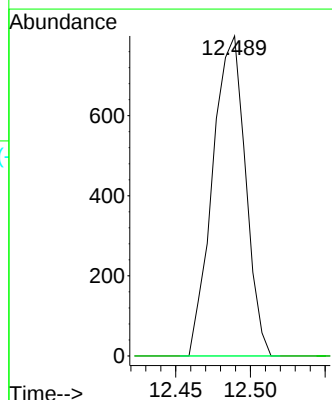
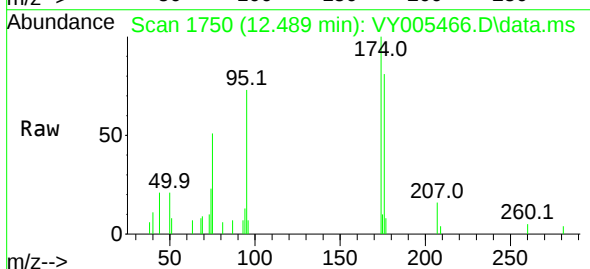
Instrument :
 MSVOA_Y
 ClientSampled :

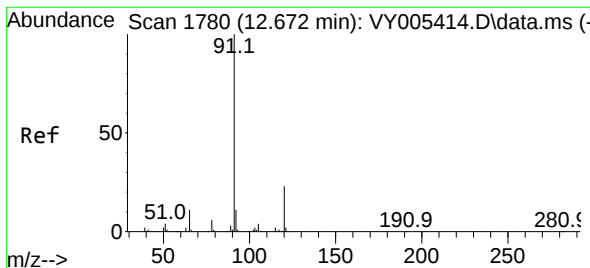
Tgt Ion:152 Resp: 2252
 Ion Ratio Lower Upper
 152 100
 115 57.6 27.7 83.1
 150 145.1 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 55.192 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.146 min
 Lab File: VY005466.D
 Acq: 27 Jul 2021 15:51

Tgt Ion: 75 Resp: 1223
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

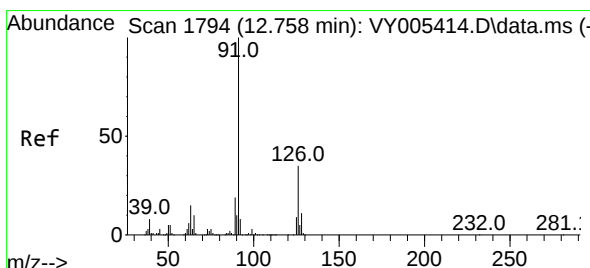
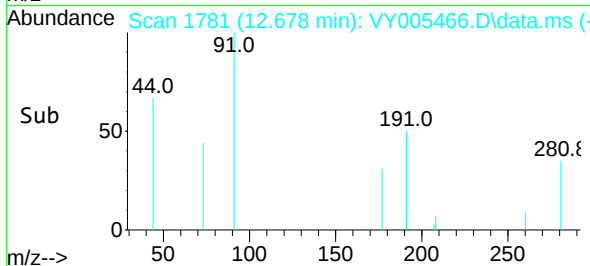
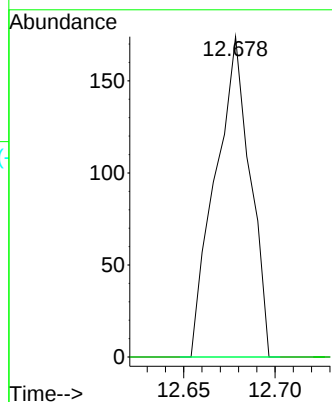
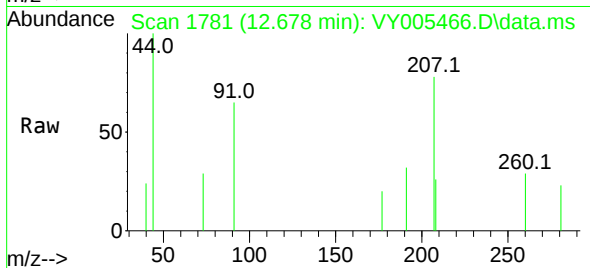




#78
n-propylbenzene
Concen: 1.233 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

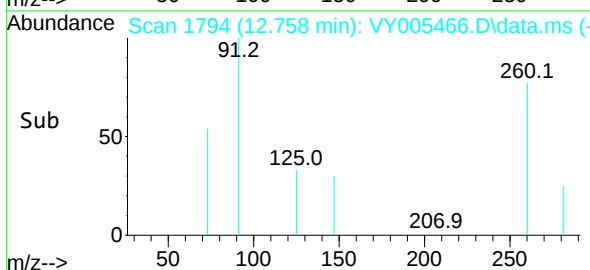
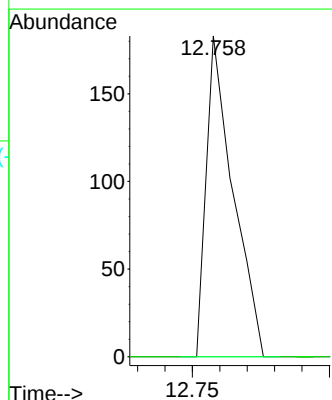
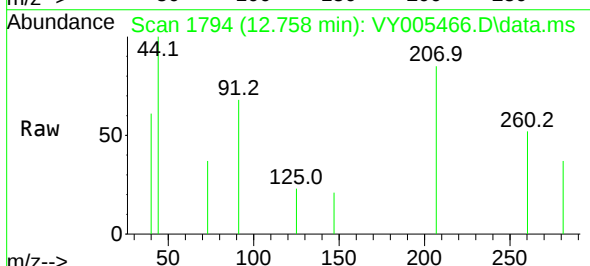
Instrument :
MSVOA_Y
ClientSampled :

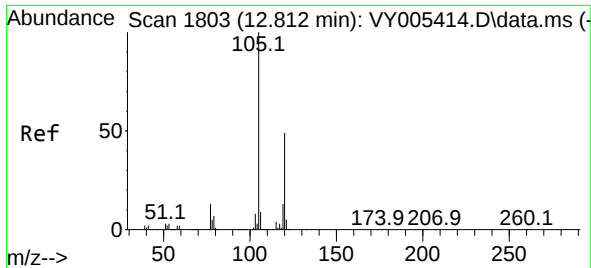
Tgt Ion: 91 Resp: 231
Ion Ratio Lower Upper
91 100
120 0.0 11.8 35.4#



#79
2-Chlorotoluene
Concen: 1.178 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion: 91 Resp: 124
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#

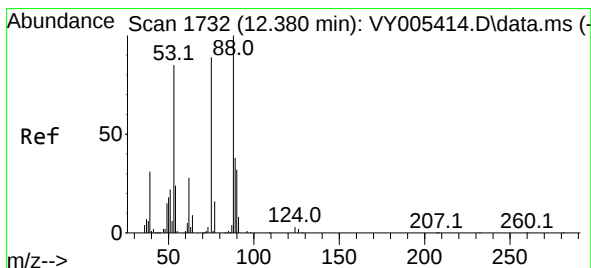
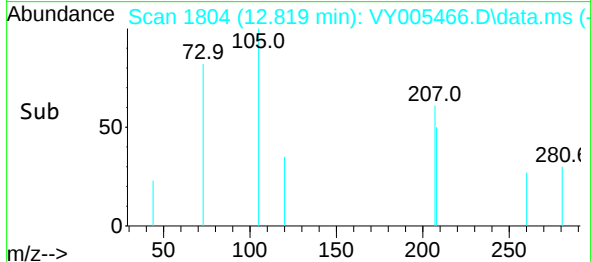
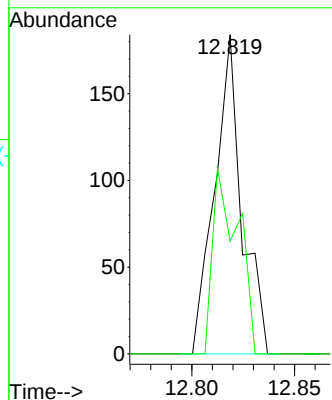
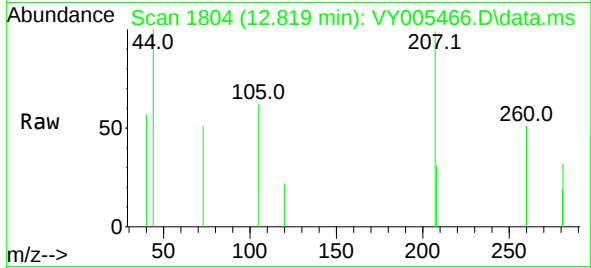




#80
1,3,5-Trimethylbenzene
Concen: 1.303 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

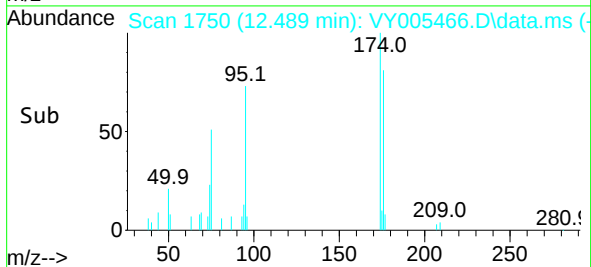
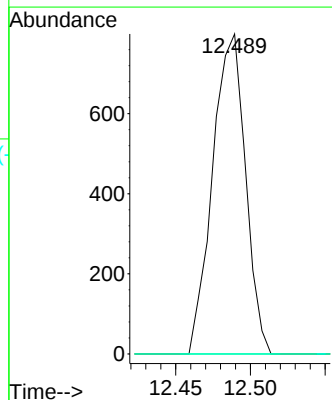
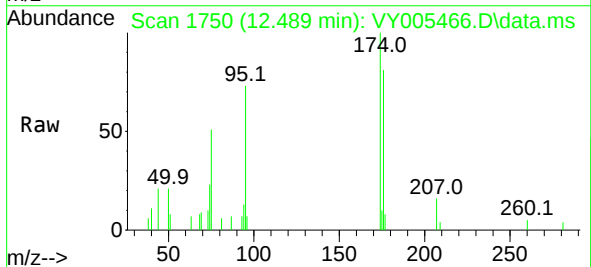
Instrument :
MSVOA_Y
ClientSampleId :

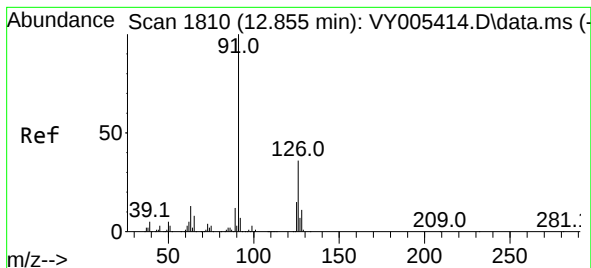
Tgt Ion:105 Resp: 169
Ion Ratio Lower Upper
105 100
120 55.0 24.8 74.3



#81
trans-1,4-Dichloro-2-butene
Concen: 107.167 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion: 75 Resp: 1223
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.0 36.9 55.3#

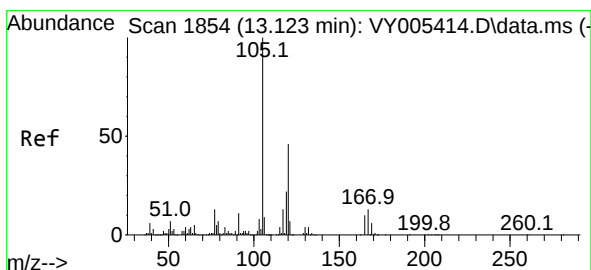
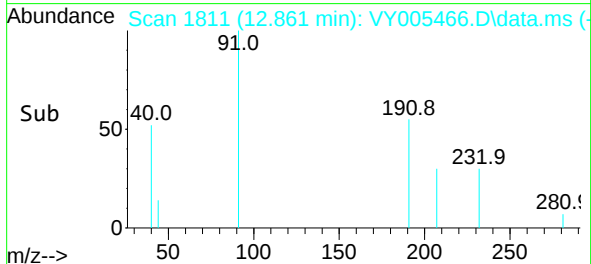
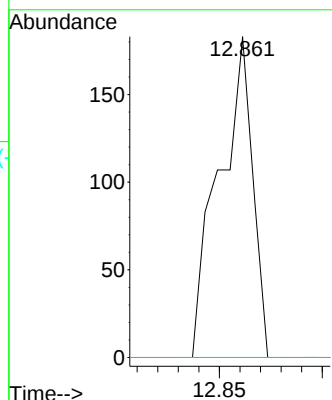
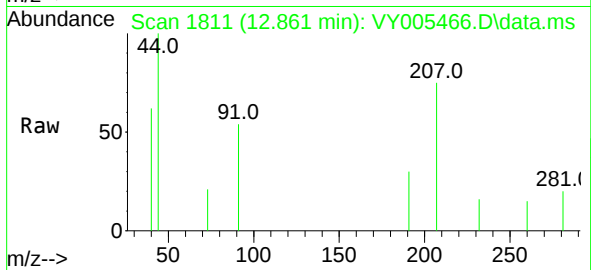




#82
4-Chlorotoluene
Concen: 1.900 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

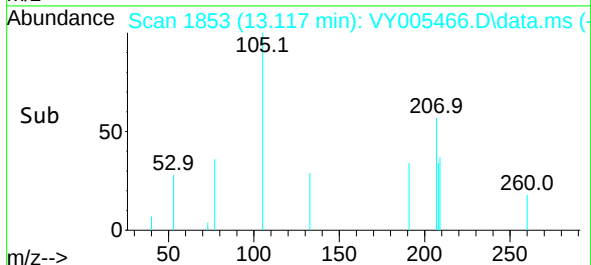
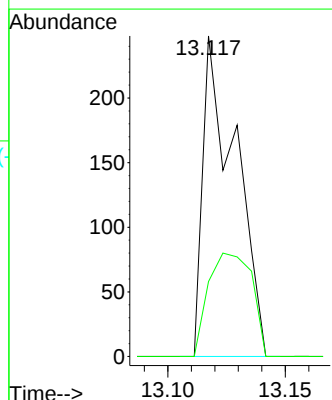
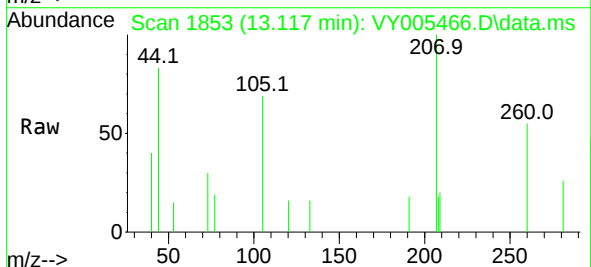
Instrument :
MSVOA_Y
ClientSampled :

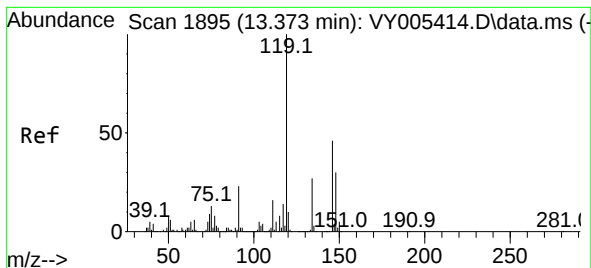
Tgt Ion: 91 Resp: 207
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.837 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion: 105 Resp: 239
Ion Ratio Lower Upper
105 100
120 43.1 22.9 68.8

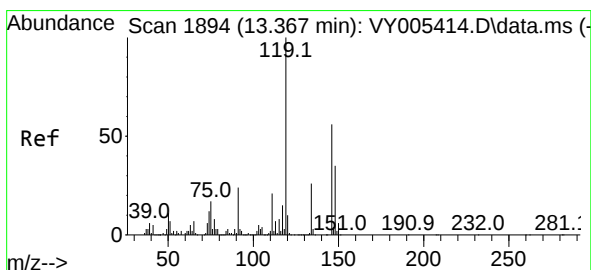
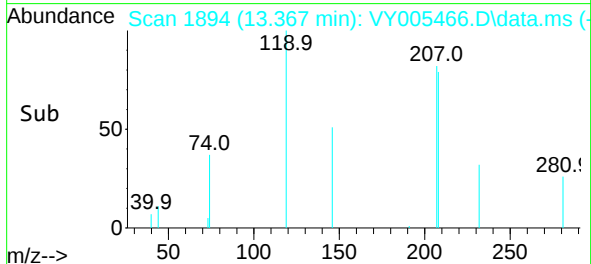
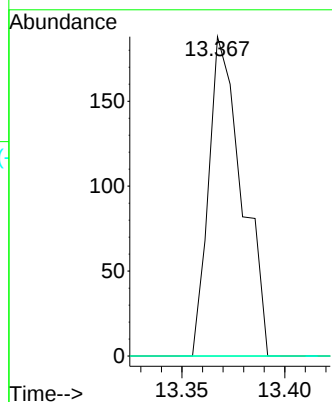
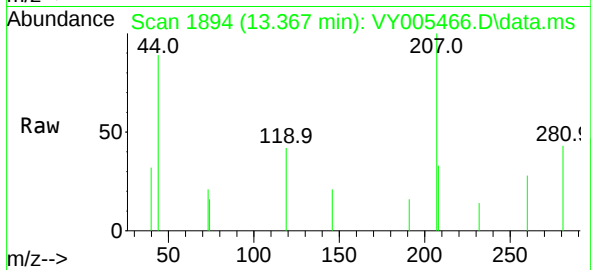




#86
p-Isopropyltoluene
Concen: 1.477 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

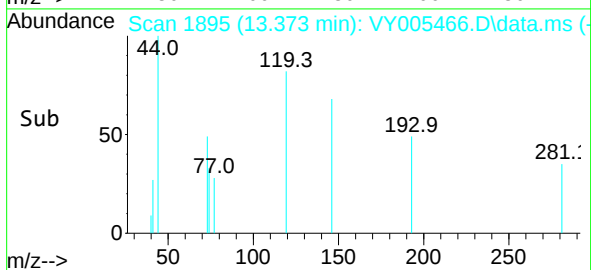
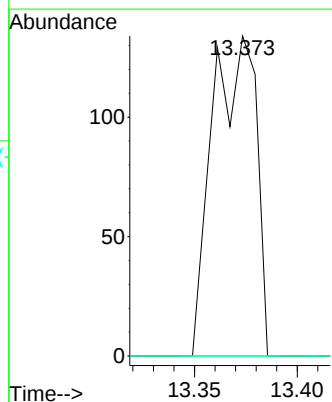
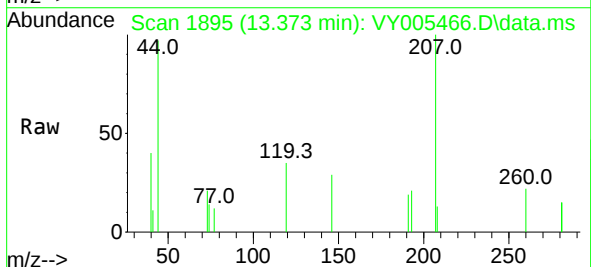
Instrument :
MSVOA_Y
ClientSampleId :

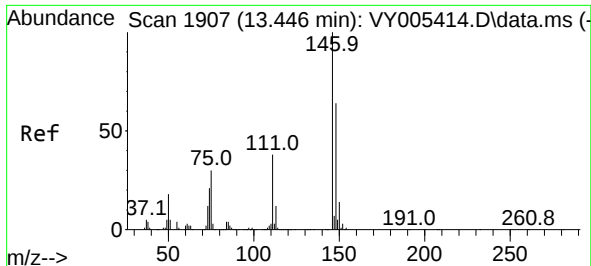
Tgt Ion:119 Resp: 212
Ion Ratio Lower Upper
119 100
134 0.0 13.5 40.5#
91 0.0 11.7 35.1#



#87
1,3-Dichlorobenzene
Concen: 2.655 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion:146 Resp: 198
Ion Ratio Lower Upper
146 100
111 0.0 18.7 56.1#
148 0.0 32.0 96.0#

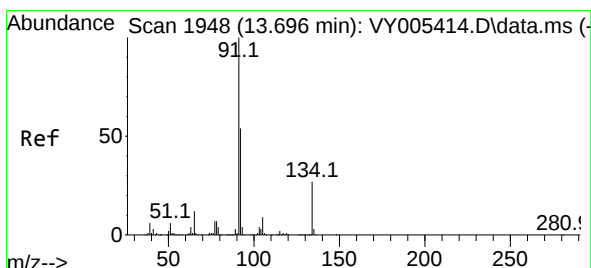
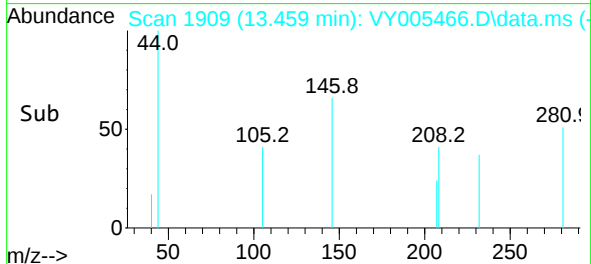
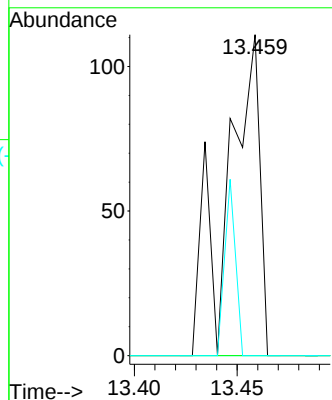
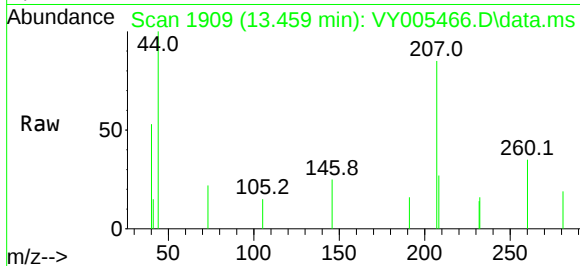




#88
1,4-Dichlorobenzene
Concen: 1.678 ug/l
RT: 13.459 min Scan# 1909
Delta R.T. 0.012 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

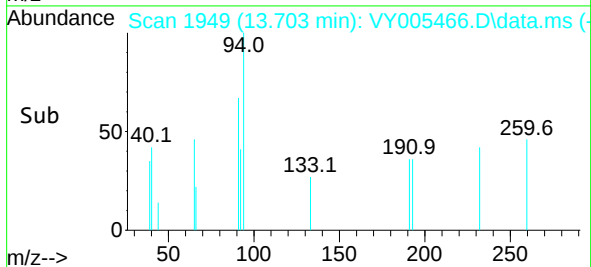
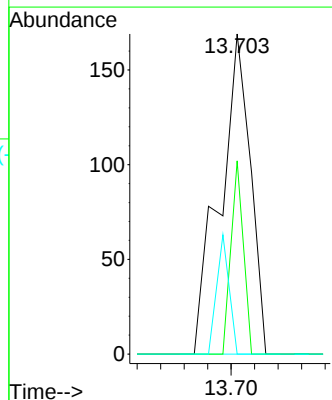
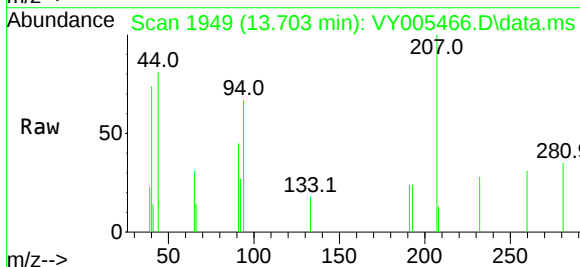
Instrument :
MSVOA_Y
ClientSampled :

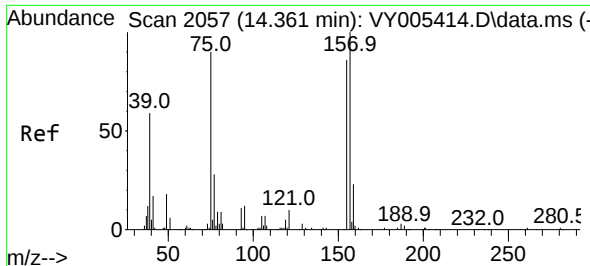
Tgt Ion:146 Resp: 124
Ion Ratio Lower Upper
146 100
111 0.0 18.6 55.8#
148 17.7 32.1 96.5#



#89
n-Butylbenzene
Concen: 1.154 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

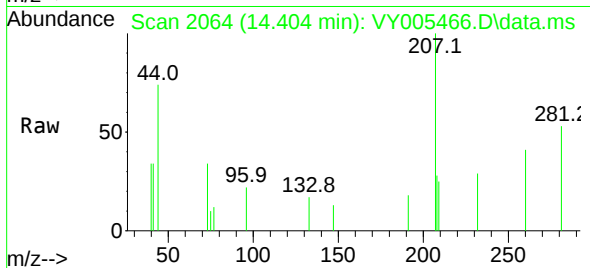
Tgt Ion: 91 Resp: 152
Ion Ratio Lower Upper
91 100
92 24.3 26.8 80.3#
134 15.1 14.0 41.9



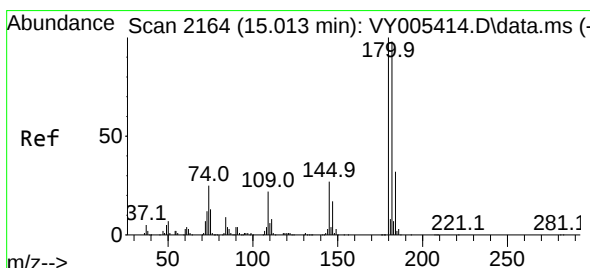
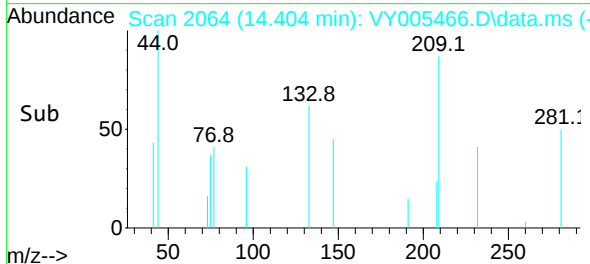
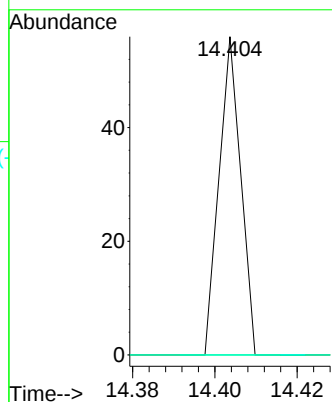


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.478 ug/l
RT: 14.404 min Scan# 2064
Delta R.T. 0.043 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Instrument :
MSVOA_Y
ClientSampled :

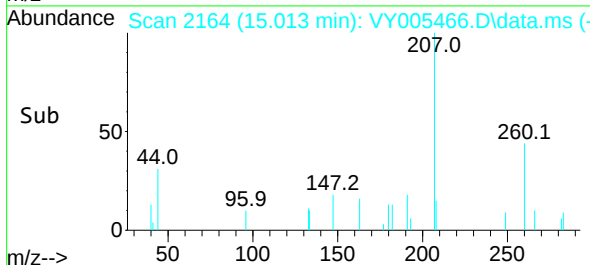
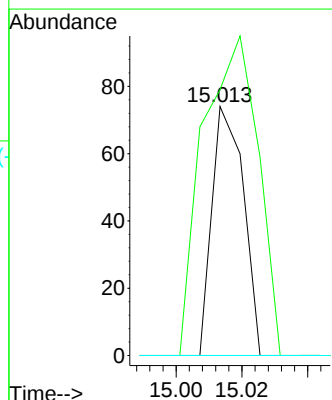
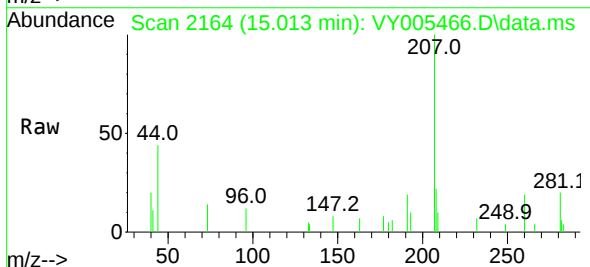


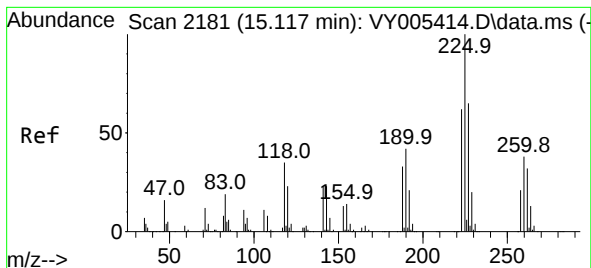
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 43.6 130.8#
157 0.0 54.1 162.3#



#93
1,2,4-Trichlorobenzene
Concen: 1.066 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

Tgt Ion: 180 Resp: 49
Ion Ratio Lower Upper
180 100
182 224.5 48.0 144.0#
145 0.0 14.0 41.9#

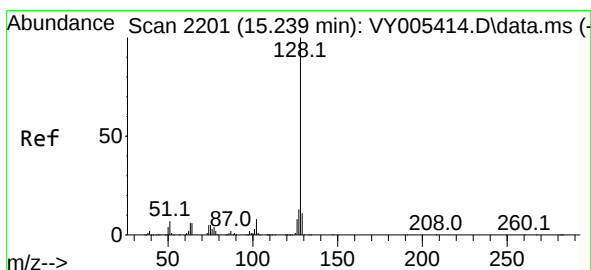
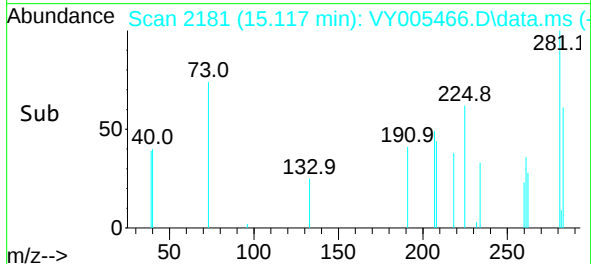
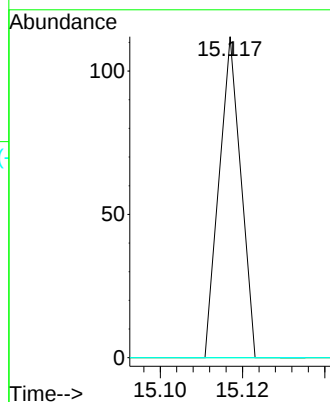
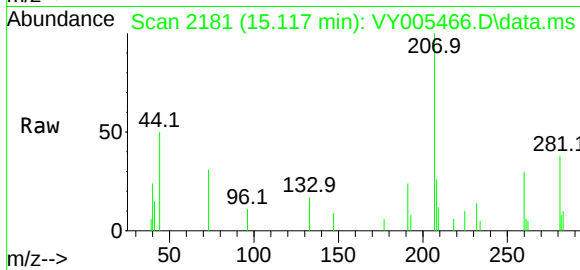




#94
Hexachlorobutadiene
Concen: 1.408 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

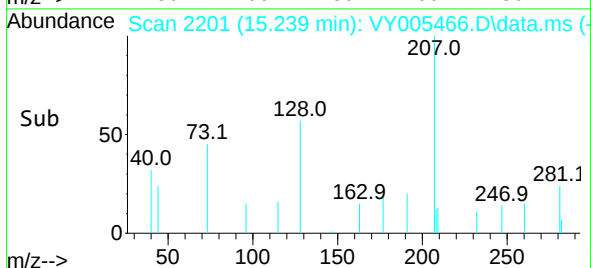
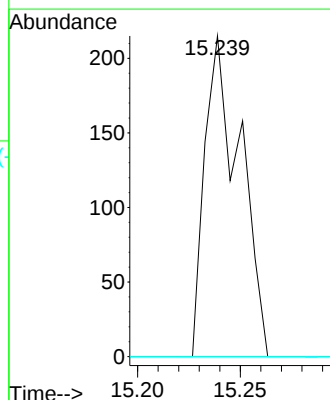
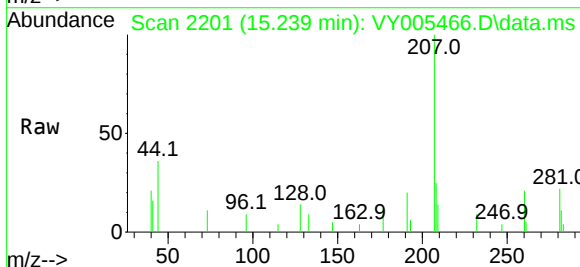
Instrument :
MSVOA_Y
ClientSampled :

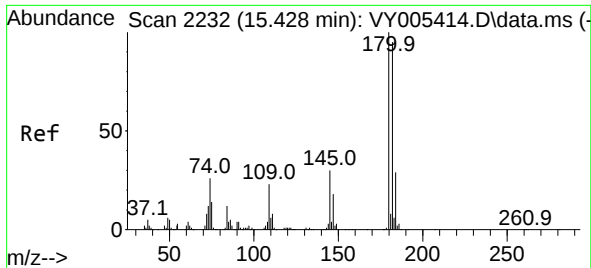
Tgt Ion:225 Resp: 41
Ion Ratio Lower Upper
225 100
223 0.0 31.8 95.4#
227 0.0 32.1 96.3#



#95
Naphthalene
Concen: 2.769 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005466.D
Acq: 27 Jul 2021 15:51

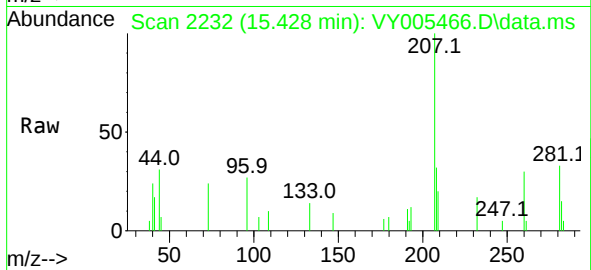
Tgt Ion:128 Resp: 256
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.473 ug/l
 RT: 15.428 min Scan# 2232
 Delta R.T. 0.000 min
 Lab File: VY005466.D
 Acq: 27 Jul 2021 15:51

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180	Resp:	61
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.3 141.9#
145	39.3	14.9 44.5

