

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081921\
 Data File : VY005759.D
 Acq On : 19 Aug 2021 11:19
 Operator : SY/MD
 Sample : M3428-01RE
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 20 06:54:13 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)

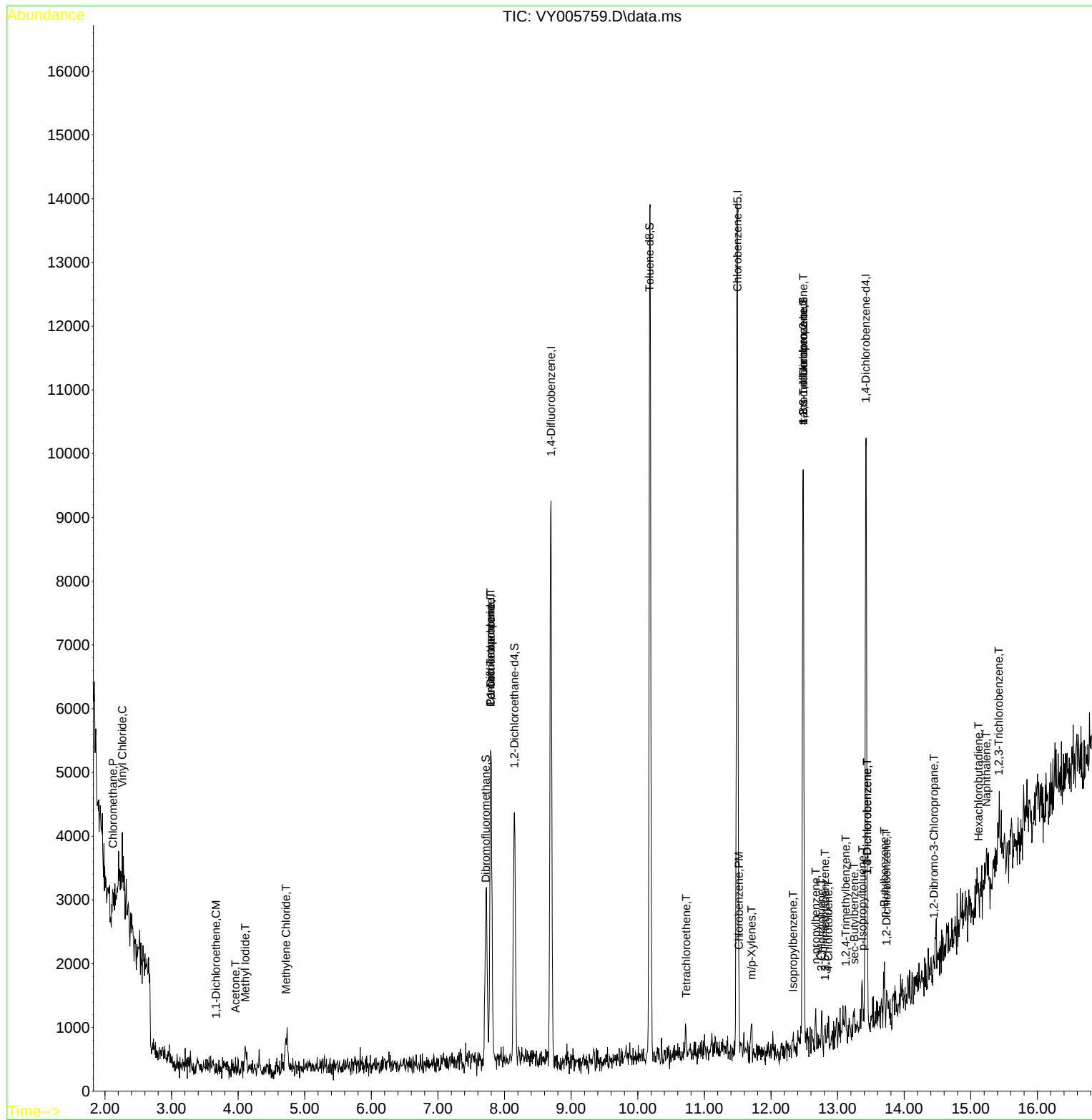
Internal Standards						
1) Pentafluorobenzene	7.789	168	4489	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.697	114	7816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	7705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	3209	70.621	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	141.240%		
35) Dibromofluoromethane	7.716	113	1959	44.767	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.540%		
50) Toluene-d8	10.179	98	9450	51.491	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.980%		
62) 4-Bromofluorobenzene	12.483	95	2903	47.767	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.540%		
Target Compounds						Qvalue
3) Chloromethane	2.119	50	140	3.179	ug/l #	42
4) Vinyl Chloride	2.260	62	503	9.535	ug/l #	42
10) Methyl Iodide	4.107	142	586	12.278	ug/l #	80
12) 1,1-Dichloroethene	3.668	96	68	1.758	ug/l #	1
16) Acetone	3.960	43	23	2.008	ug/l #	45
20) Methylene Chloride	4.716	84	397	3.047	ug/l #	81
36) 1,1-Dichloropropene	7.789	75	251	3.424	ug/l #	41
38) Carbon Tetrachloride	7.789	117	399	5.008	ug/l #	13
64) Tetrachloroethene	10.728	164	117	1.995	ug/l #	38
65) Chlorobenzene	11.520	112	177	1.142	ug/l #	84
68) m/p-Xylenes	11.709	106	140	1.282	ug/l	76
73) Isopropylbenzene	12.331	105	253	1.483	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	1658	65.464	ug/l #	100
78) n-propylbenzene	12.672	91	263	1.298	ug/l	87
79) 2-Chlorotoluene	12.758	91	205	1.802	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.813	105	169	1.194	ug/l #	27
81) trans-1,4-Dichloro-2-b...	12.483	75	1658	131.967	ug/l #	11
82) 4-Chlorotoluene	12.861	91	288	2.446	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.123	105	267	1.911	ug/l	80
85) sec-Butylbenzene	13.251	105	259	1.413	ug/l #	55
86) p-Isopropyltoluene	13.373	119	214	1.360	ug/l	91
87) 1,3-Dichlorobenzene	13.447	146	262	3.204	ug/l	74
88) 1,4-Dichlorobenzene	13.447	146	262	3.229	ug/l	74
89) n-Butylbenzene	13.703	91	244	1.712	ug/l	74
91) 1,2-Dichlorobenzene	13.733	146	219	3.032	ug/l #	70
92) 1,2-Dibromo-3-Chloropr...	14.446	75	20	3.215	ug/l #	1
94) Hexachlorobutadiene	15.117	225	84	2.614	ug/l #	18
95) Naphthalene	15.233	128	314	3.210	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	74	1.683	ug/l #	30

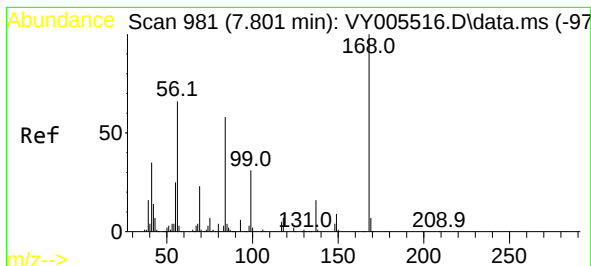
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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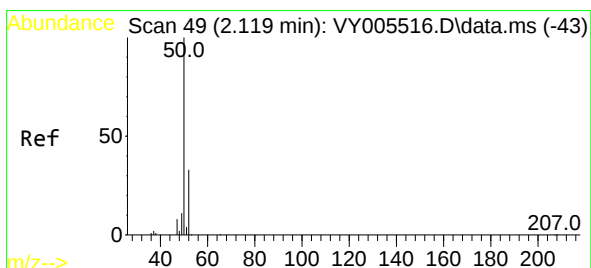
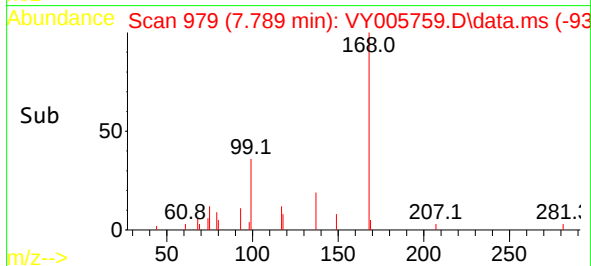
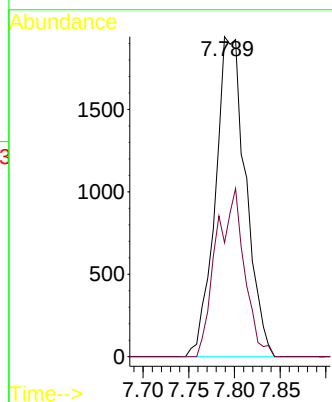
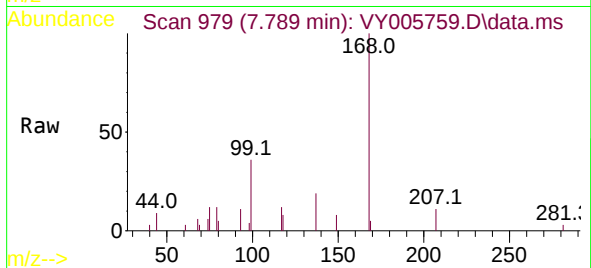




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.012 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

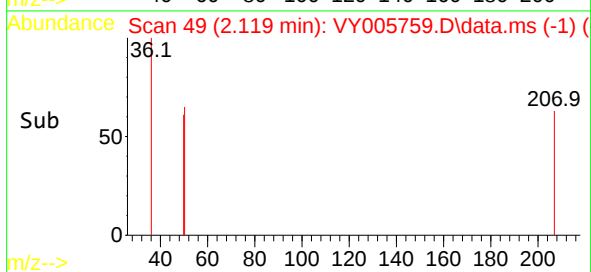
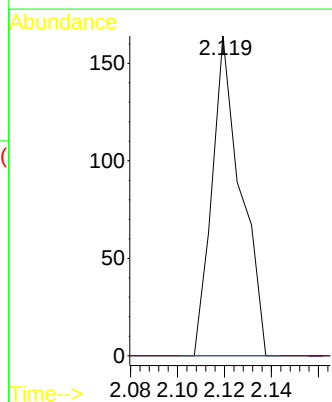
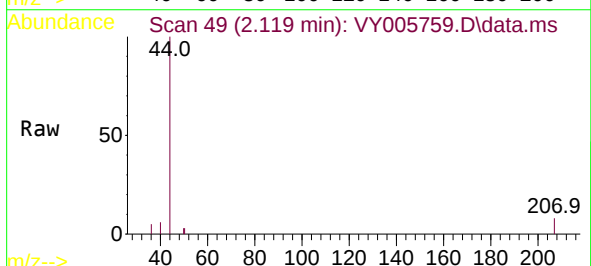
Instrument :
MSVOA_Y
ClientSampleId :

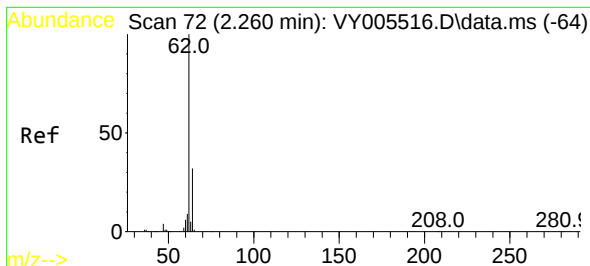
Tgt Ion:168 Resp: 4489
Ion Ratio Lower Upper
168 100
99 35.6 38.9 58.3#



#3
Chloromethane
Concen: 3.179 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion: 50 Resp: 140
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

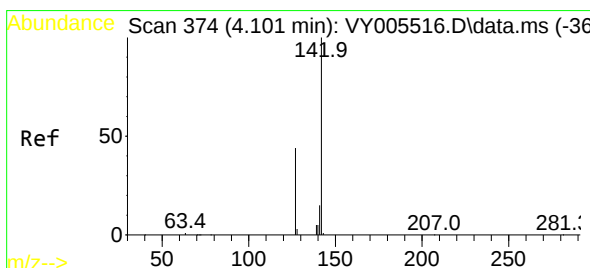
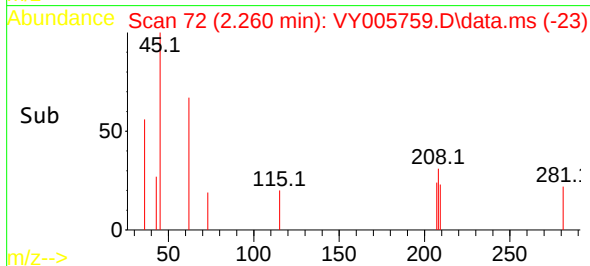
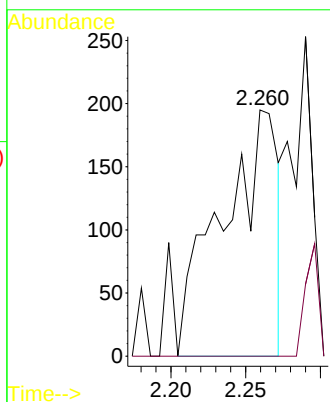
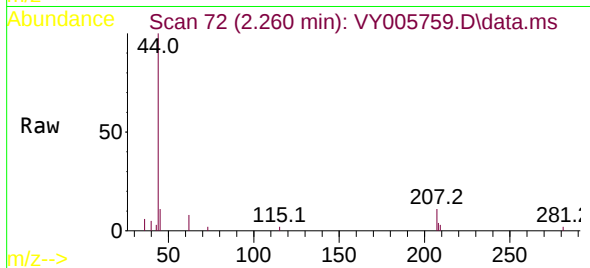




#4
 Vinyl Chloride
 Concen: 9.535 ug/l
 RT: 2.260 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VY005759.D
 Acq: 19 Aug 2021 11:19

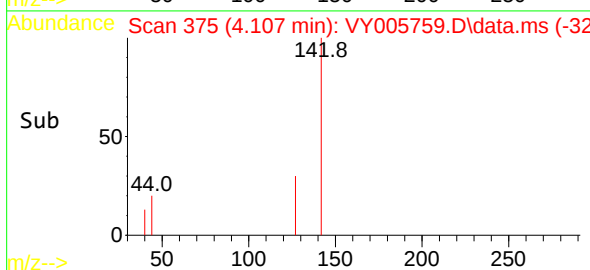
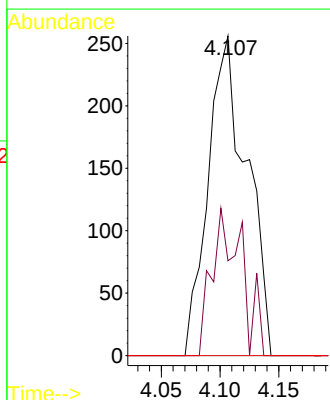
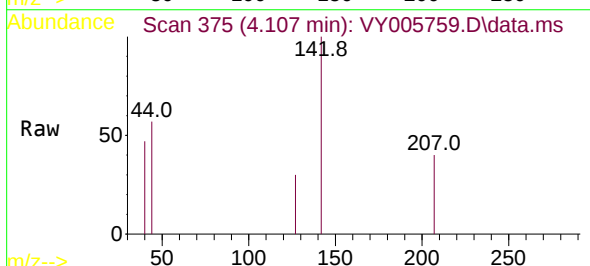
Instrument :
 MSVOA_Y
 ClientSampled :

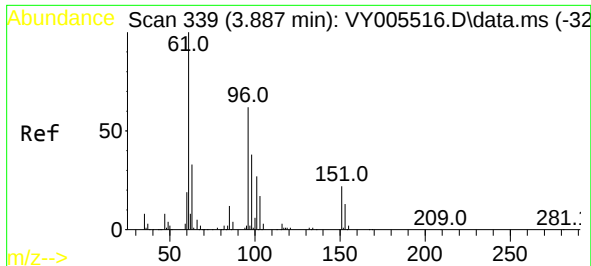
Tgt Ion: 62 Resp: 503
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.9 38.9#



#10
 Methyl Iodide
 Concen: 12.278 ug/l
 RT: 4.107 min Scan# 375
 Delta R.T. 0.006 min
 Lab File: VY005759.D
 Acq: 19 Aug 2021 11:19

Tgt Ion: 142 Resp: 586
 Ion Ratio Lower Upper
 142 100
 127 35.8 36.6 54.8#
 141 0.0 12.2 18.4#





#12

1,1-Dichloroethene

Concen: 1.758 ug/l

RT: 3.668 min Scan# 303

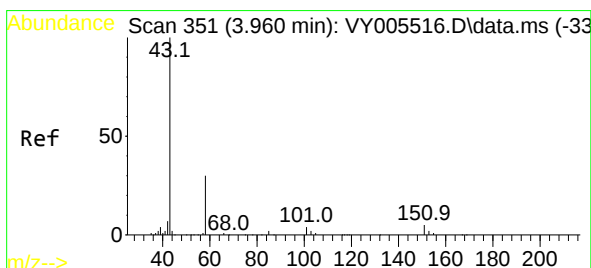
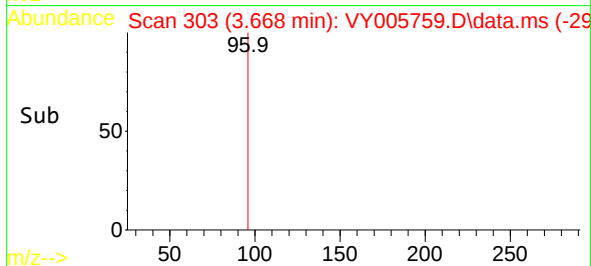
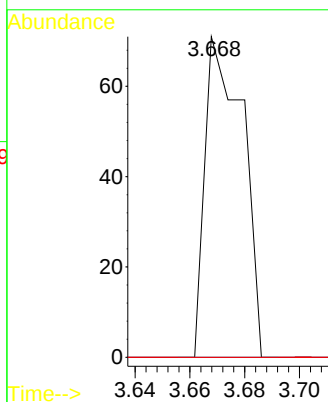
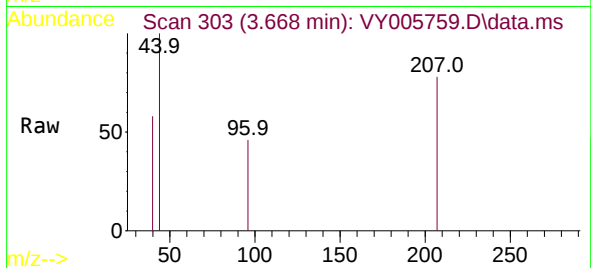
Delta R.T. -0.219 min

Lab File: VY005759.D

Acq: 19 Aug 2021 11:19

Tgt Ion:	96	Resp:	68
Ion	Ratio	Lower	Upper
96	100		
61	0.0	128.6	192.8#
98	0.0	49.2	73.8#

Instrument :
MSVOA_Y
ClientSampleId :



#16

Acetone

Concen: 2.008 ug/l

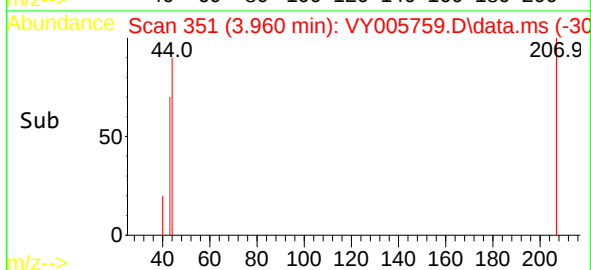
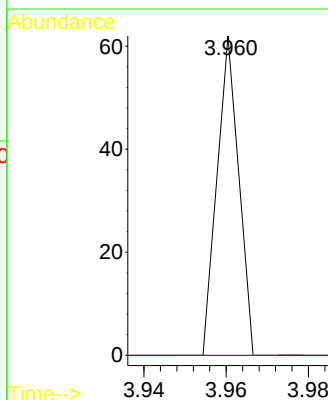
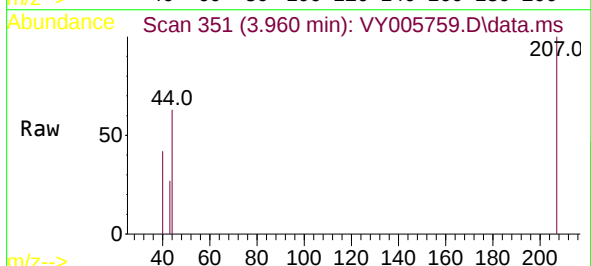
RT: 3.960 min Scan# 351

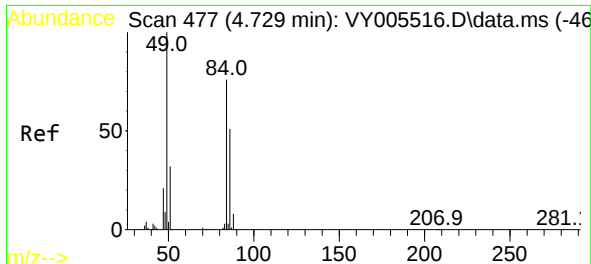
Delta R.T. 0.000 min

Lab File: VY005759.D

Acq: 19 Aug 2021 11:19

Tgt Ion:	43	Resp:	23
Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.8	35.6#



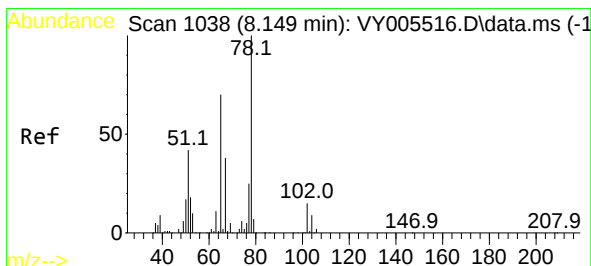
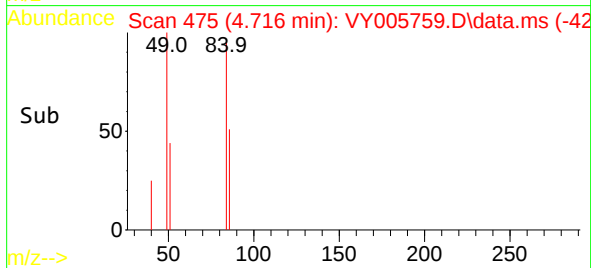
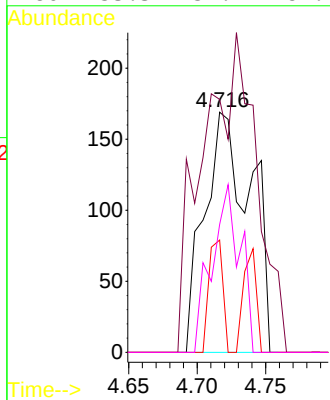
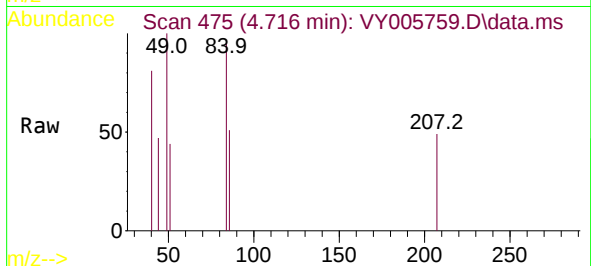


#20
Methylene Chloride
Concen: 3.047 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 397

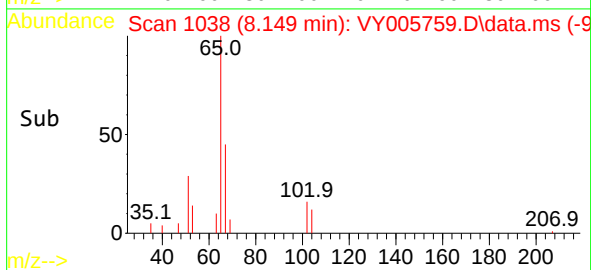
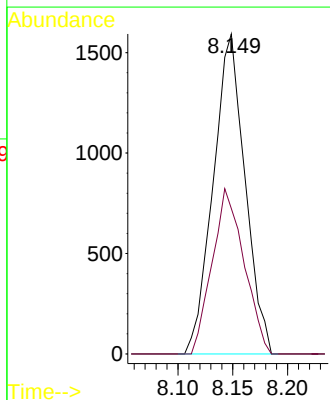
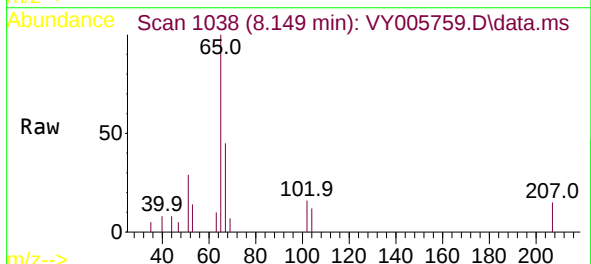
Ion	Ratio	Lower	Upper
84	100		
49	105.3	105.8	158.6#
51	46.7	33.4	50.2
86	53.3	54.2	81.4#

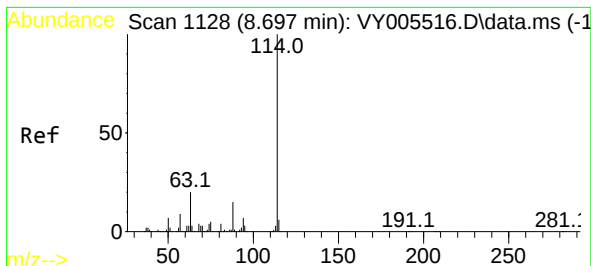


#33
1,2-Dichloroethane-d4
Concen: 70.621 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion: 65 Resp: 3209

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

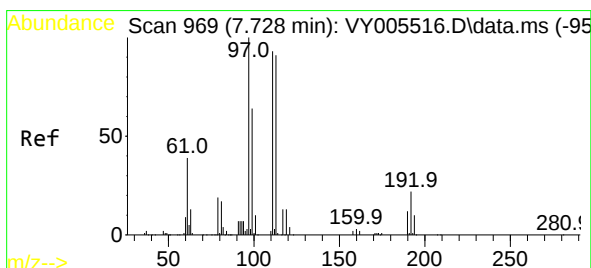
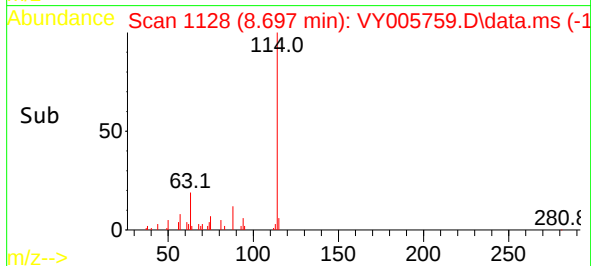
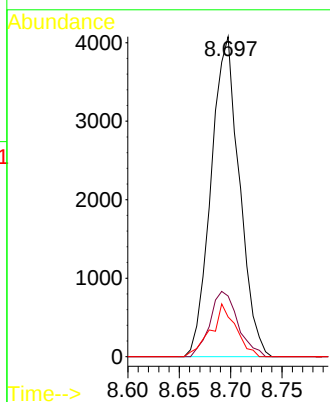
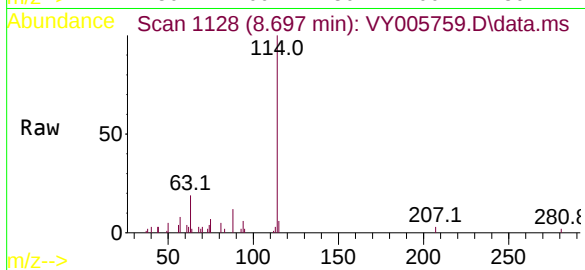
Delta R.T. 0.000 min

Lab File: VY005759.D

Acq: 19 Aug 2021 11:19

Tgt Ion:	114	Resp:	7816
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.2
88	12.4	0.0	30.8

Instrument :
MSVOA_Y
ClientSampleId :



#35

Dibromofluoromethane

Concen: 44.767 ug/l

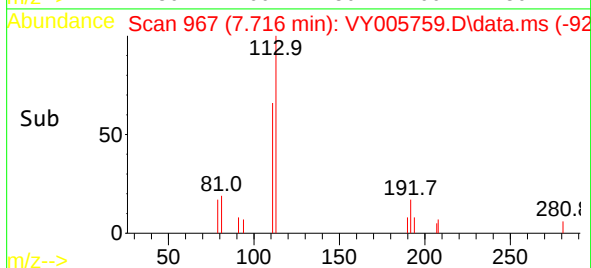
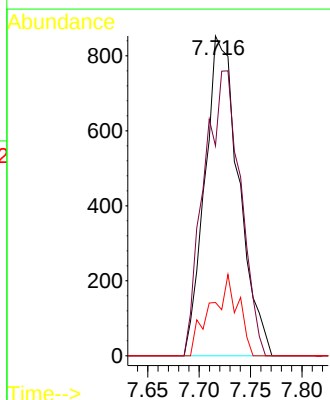
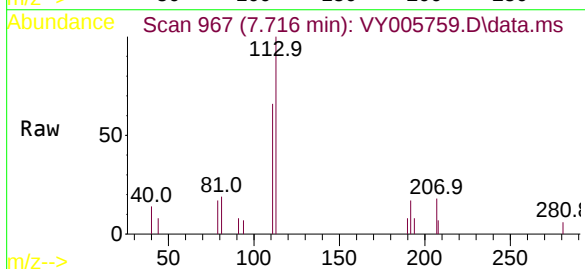
RT: 7.716 min Scan# 967

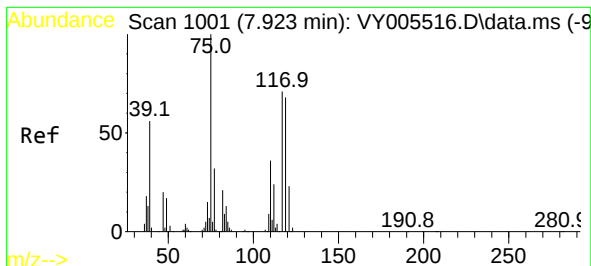
Delta R.T. -0.012 min

Lab File: VY005759.D

Acq: 19 Aug 2021 11:19

Tgt Ion:	113	Resp:	1959
Ion	Ratio	Lower	Upper
113	100		
111	95.7	81.9	122.9
192	20.7	19.2	28.8



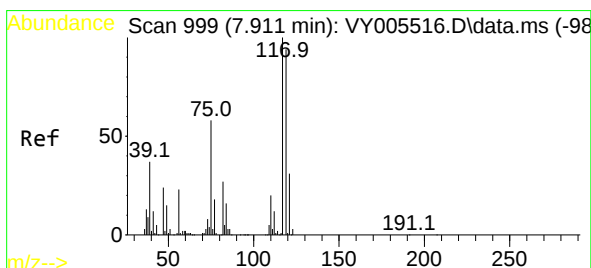
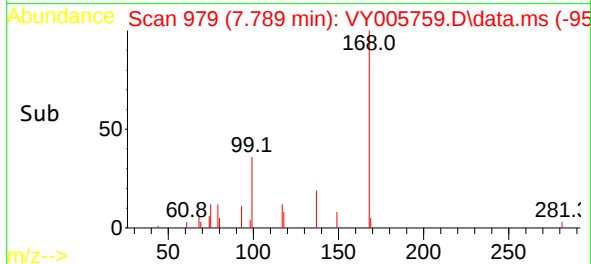
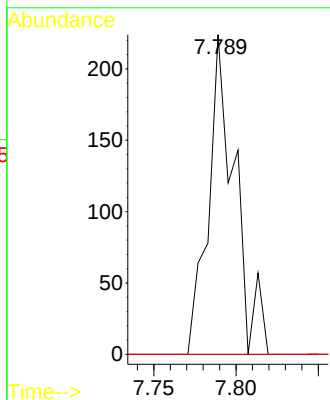
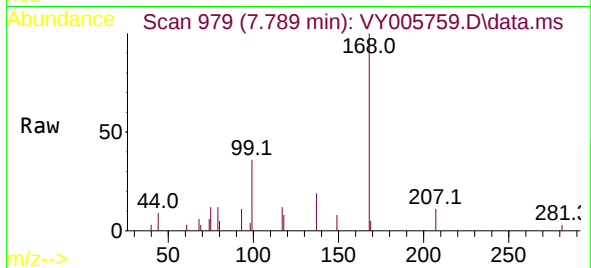


#36

1,1-Dichloropropene
Concen: 3.424 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Instrument :
MSVOA_Y
ClientSampleId :

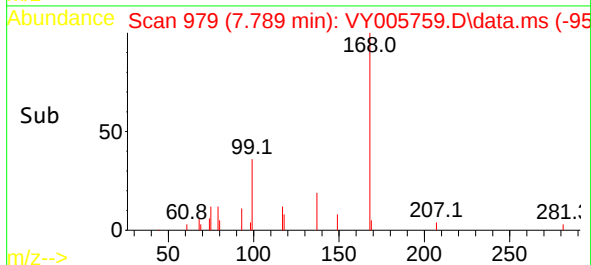
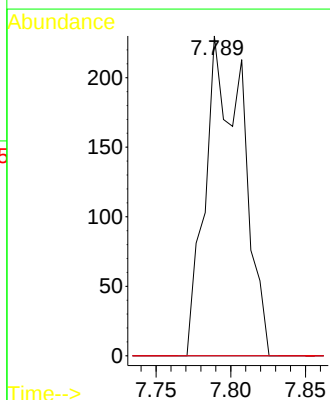
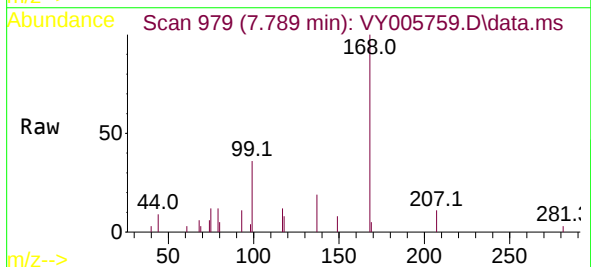
Tgt Ion: 75	Resp:	251
Ion Ratio	Lower	Upper
75	100	
110	0.0	18.1 54.1#
77	0.0	25.1 37.7#

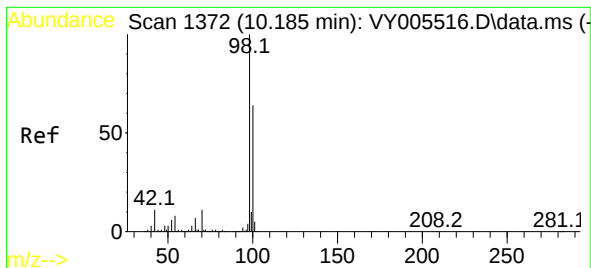


#38

Carbon Tetrachloride
Concen: 5.008 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion: 117	Resp:	399
Ion Ratio	Lower	Upper
117	100	
119	0.0	75.4 113.0#
121	0.0	25.1 37.7#

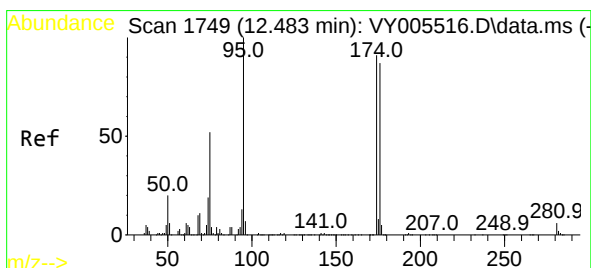
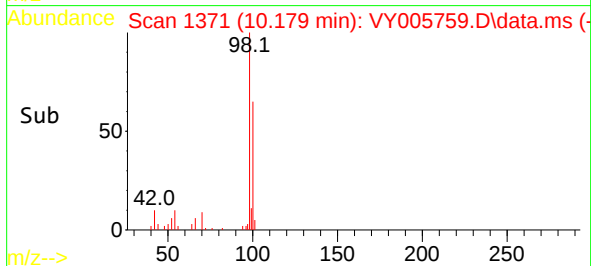
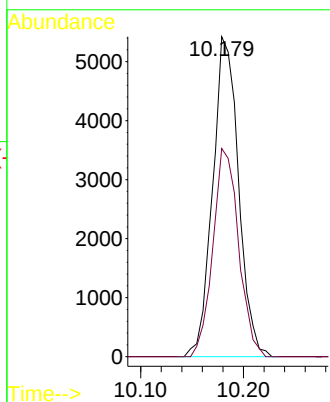
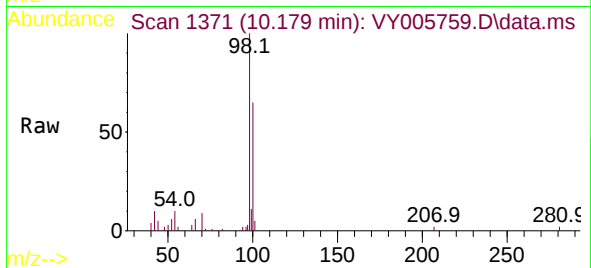




#50
Toluene-d8
Concen: 51.491 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

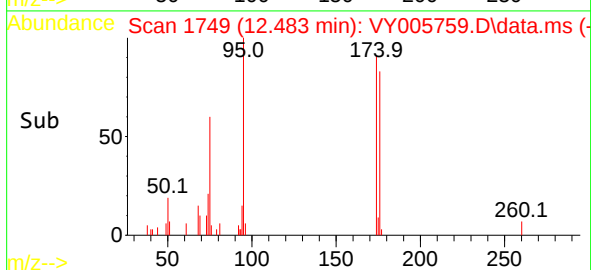
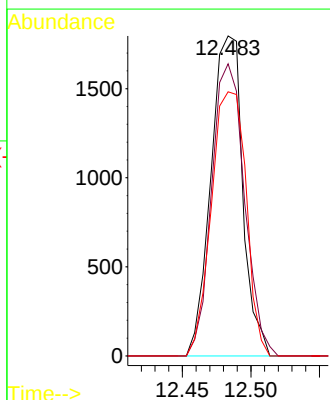
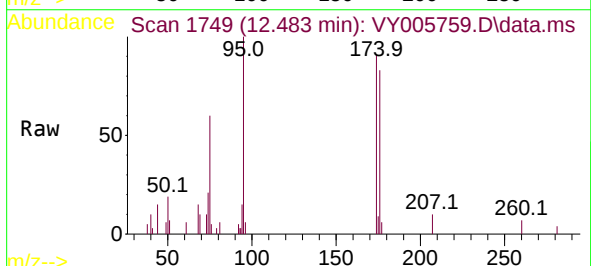
Instrument :
MSVOA_Y
ClientSampled :

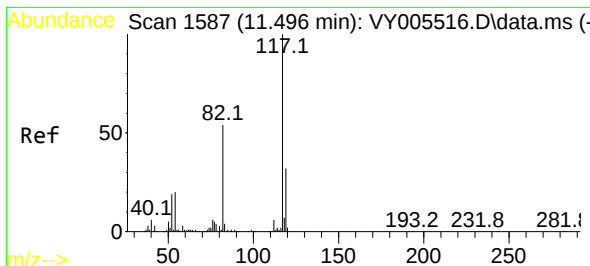
Tgt Ion: 98 Resp: 9450
Ion Ratio Lower Upper
98 100
100 64.6 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 47.767 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion: 95 Resp: 2903
Ion Ratio Lower Upper
95 100
174 94.2 0.0 191.4
176 89.9 0.0 183.6

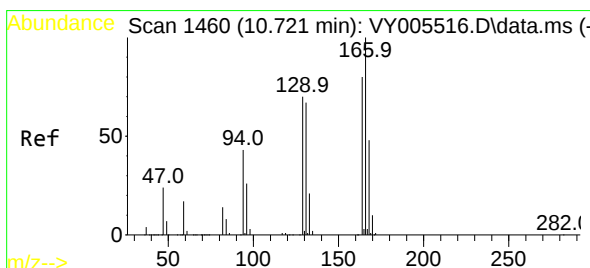
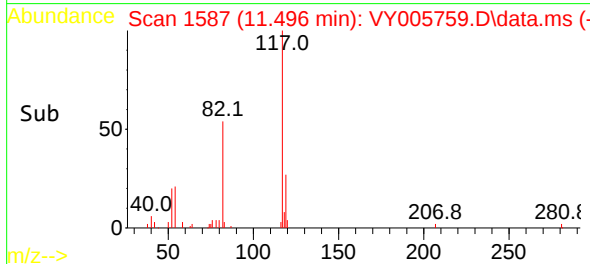
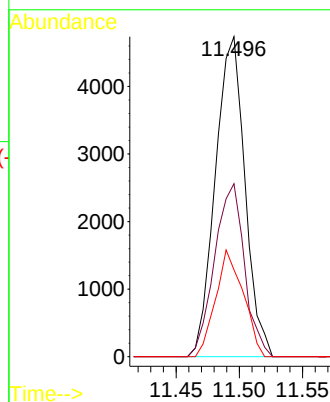
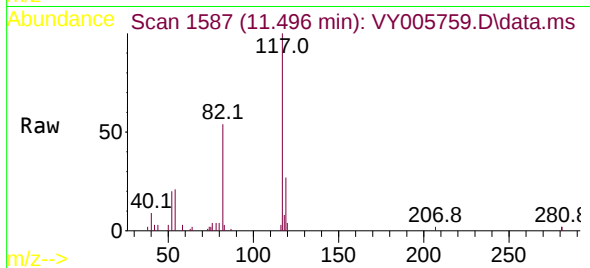




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

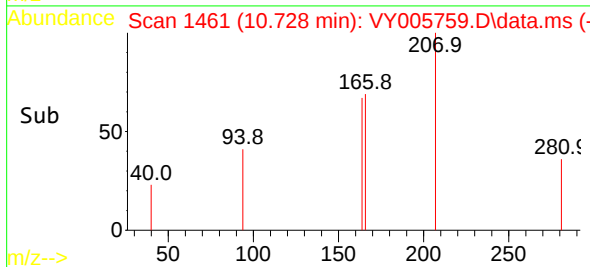
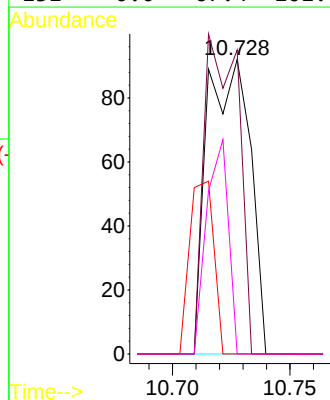
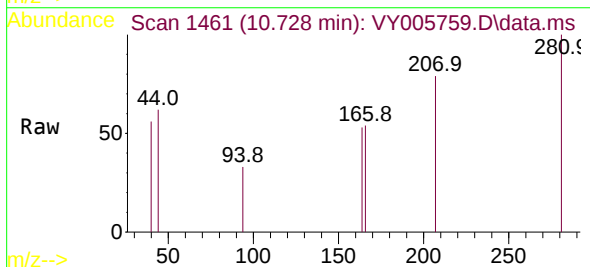
Instrument :
MSVOA_Y
ClientSampleId :

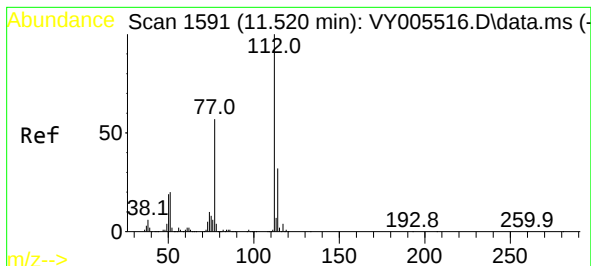
Tgt Ion:	117	Resp:	7705
Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.5	65.3
119	27.1	25.5	38.3



#64
Tetrachloroethene
Concen: 1.995 ug/l
RT: 10.728 min Scan# 1461
Delta R.T. 0.006 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion:	164	Resp:	117
Ion	Ratio	Lower	Upper
164	100		
166	103.3	99.8	149.8
129	0.0	70.1	105.1#
131	0.0	67.4	101.0#

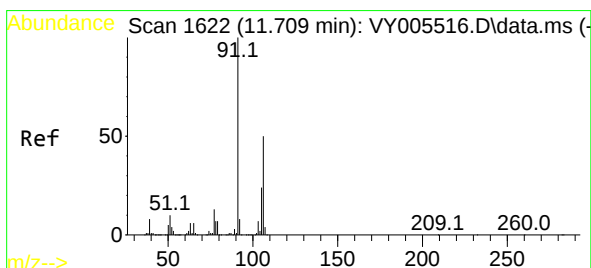
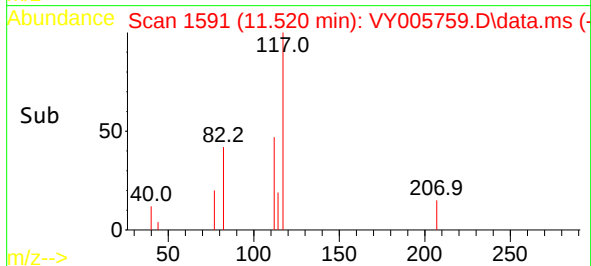
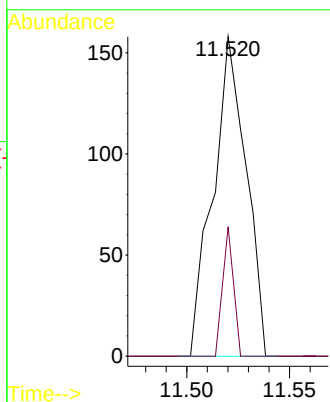
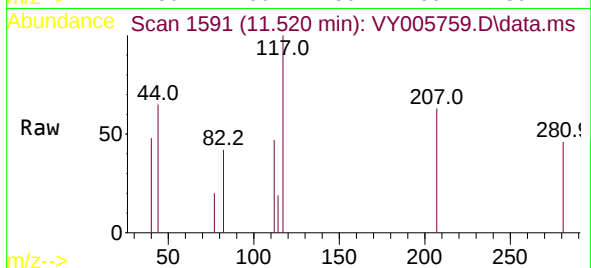




#65
Chlorobenzene
Concen: 1.142 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

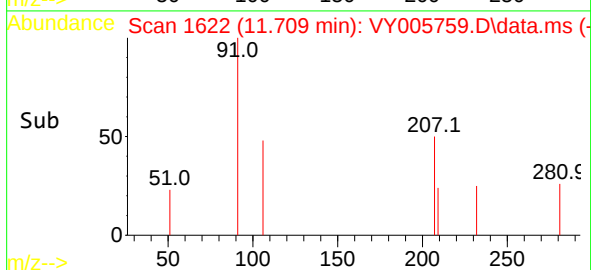
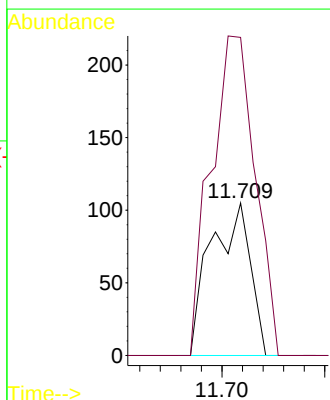
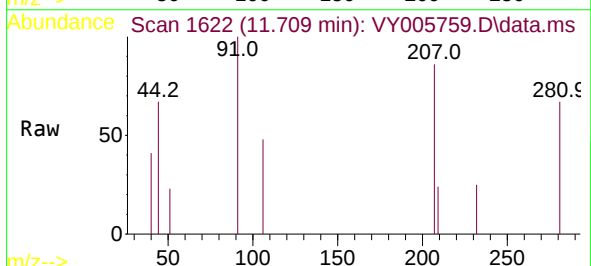
Instrument :
MSVOA_Y
ClientSampleId :

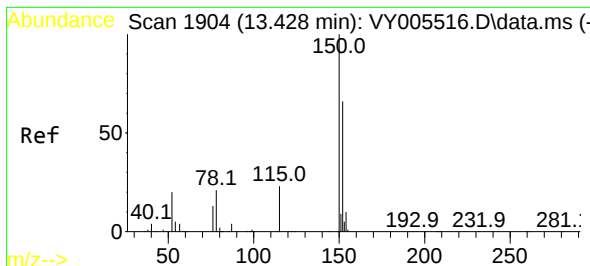
Tgt Ion:112 Resp: 177
Ion Ratio Lower Upper
112 100
114 40.5 25.2 37.8#



#68
m/p-Xylenes
Concen: 1.282 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion:106 Resp: 140
Ion Ratio Lower Upper
106 100
91 235.7 159.6 239.4

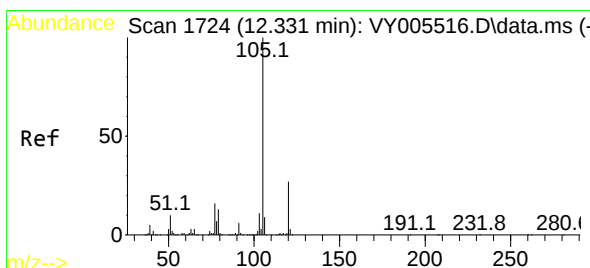
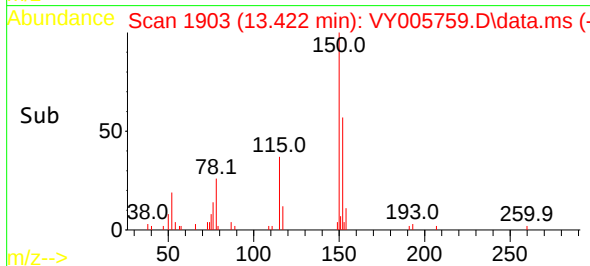
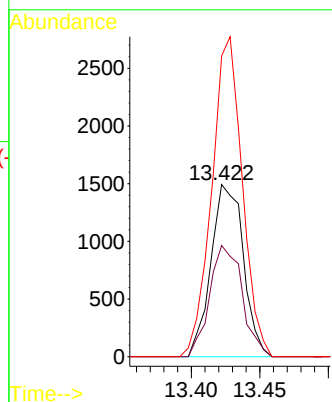
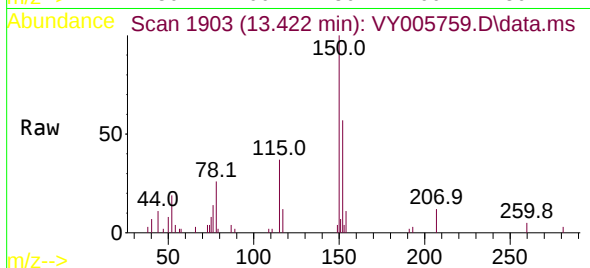




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

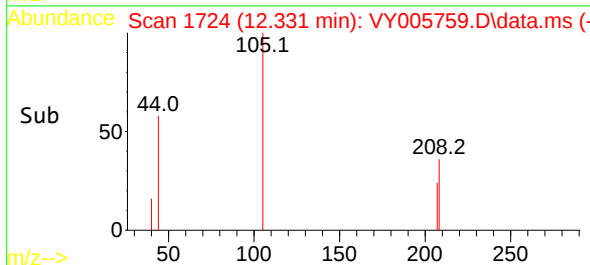
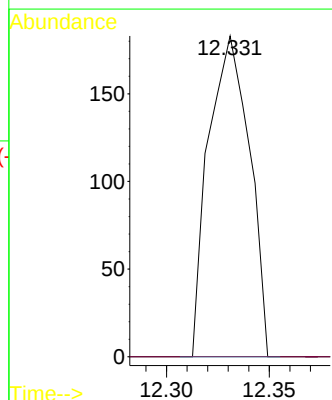
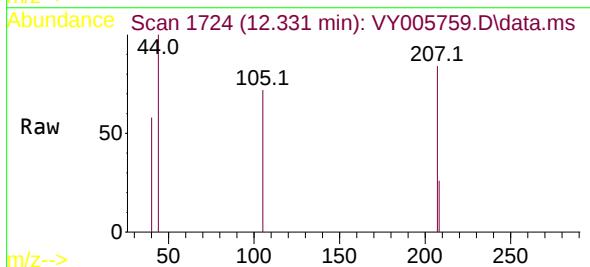
Instrument :
MSVOA_Y
ClientSampleId :

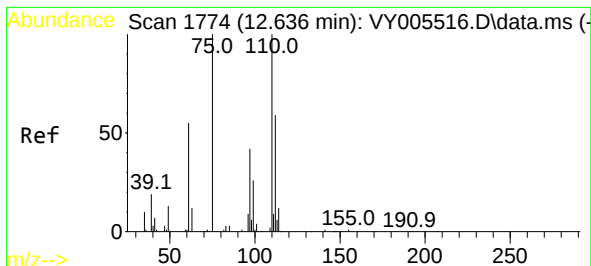
Tgt Ion:152 Resp: 2444
Ion Ratio Lower Upper
152 100
115 65.1 27.3 81.9
150 175.6 0.0 350.2



#73
Isopropylbenzene
Concen: 1.483 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion:105 Resp: 253
Ion Ratio Lower Upper
105 100
120 0.0 13.7 41.1#

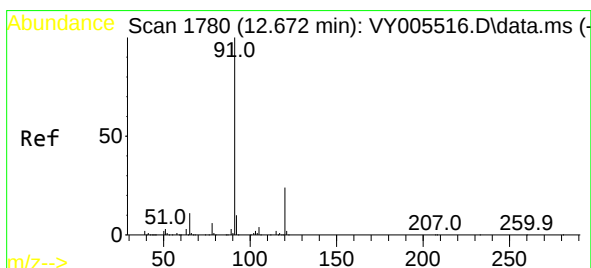
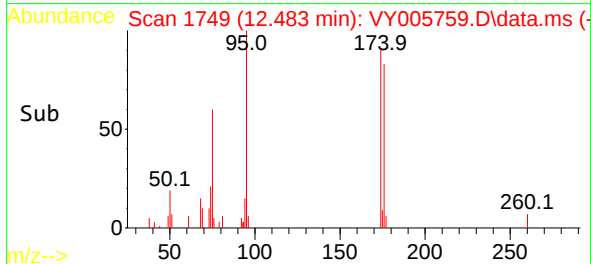
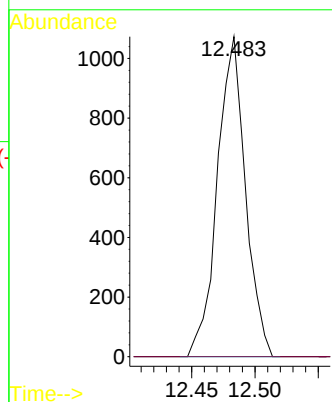
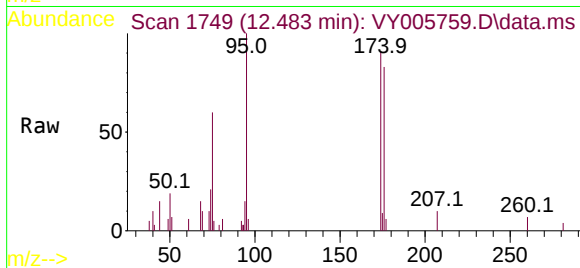




#76
1,2,3-Trichloropropane
Concen: 65.464 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

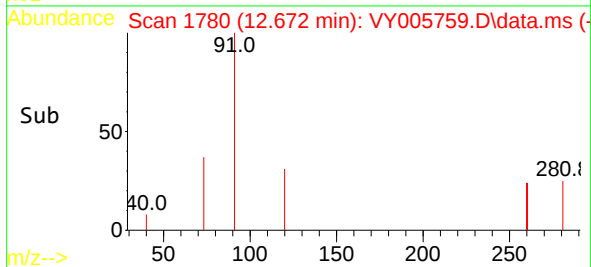
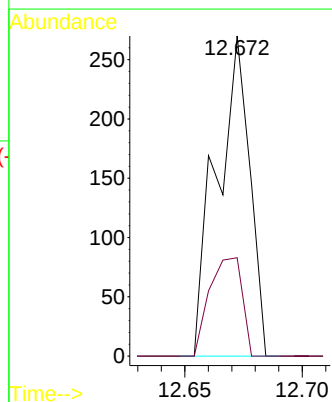
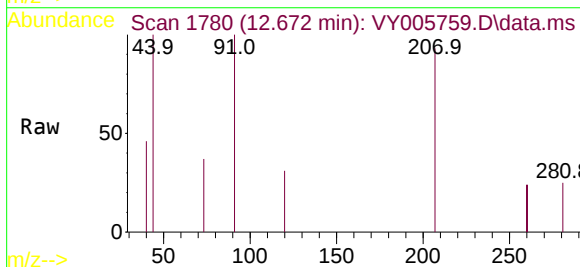
Instrument :
MSVOA_Y
ClientSampled :

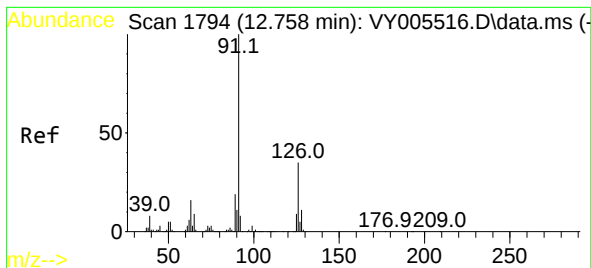
Tgt Ion: 75 Resp: 1658
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.298 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion: 91 Resp: 263
Ion Ratio Lower Upper
91 100
120 30.4 11.9 35.9

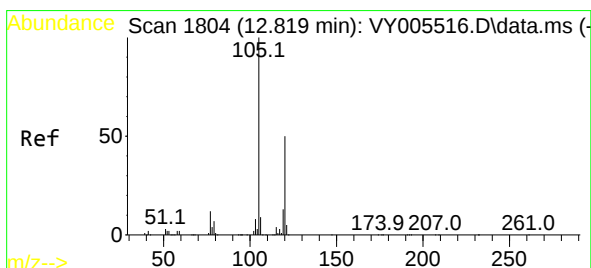
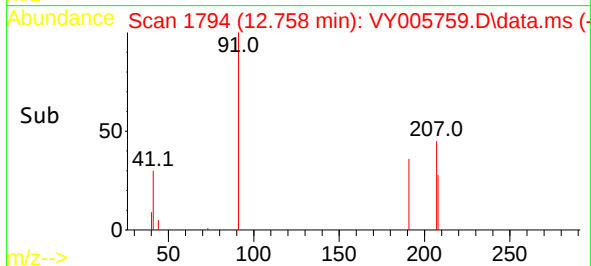
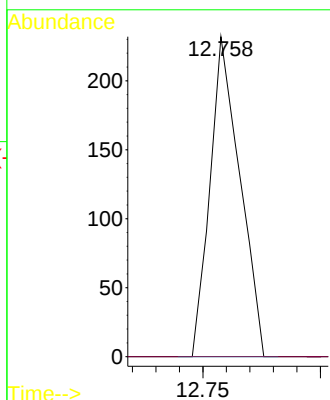
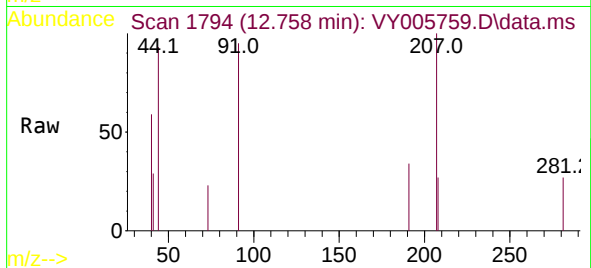




#79
2-Chlorotoluene
Concen: 1.802 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

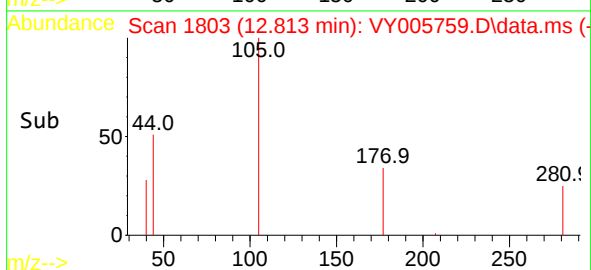
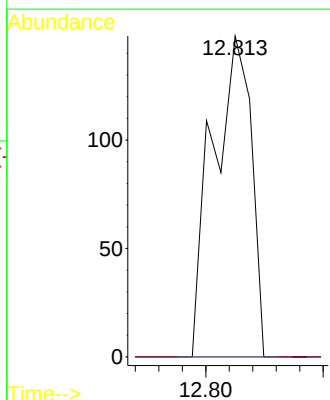
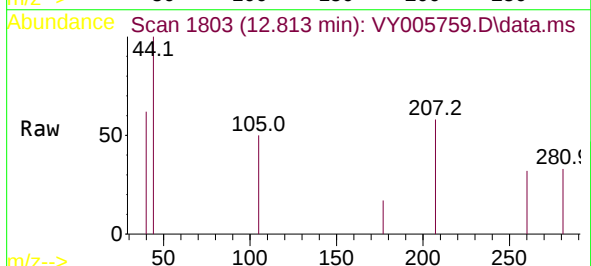
Instrument :
MSVOA_Y
ClientSampleId :

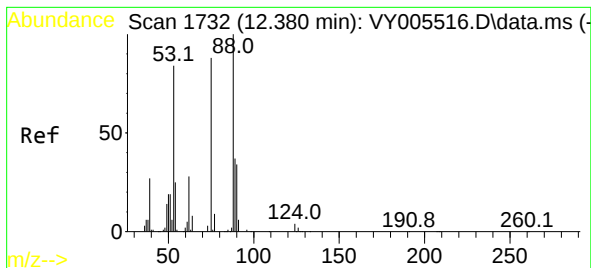
Tgt Ion: 91 Resp: 205
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#



#80
1,3,5-Trimethylbenzene
Concen: 1.194 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion: 105 Resp: 169
Ion Ratio Lower Upper
105 100
120 0.0 25.0 75.0#

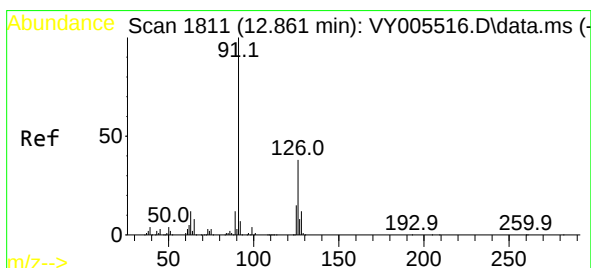
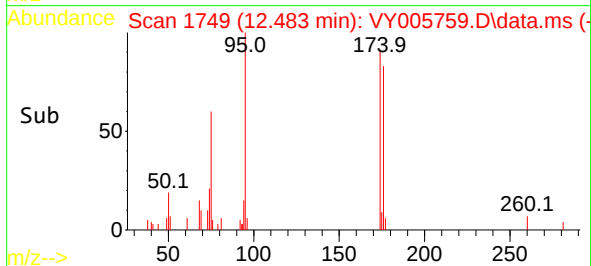
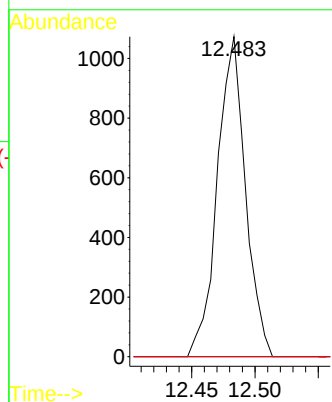
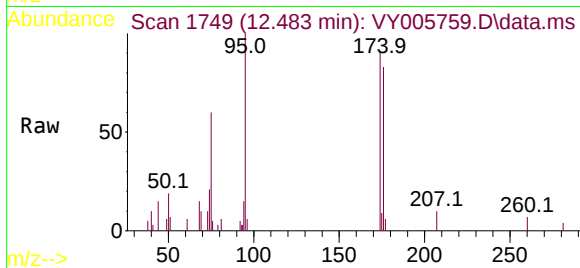




#81
trans-1,4-Dichloro-2-butene
Concen: 131.967 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

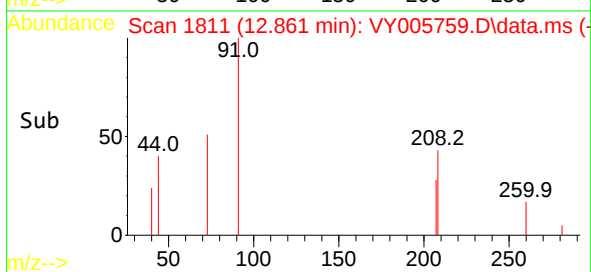
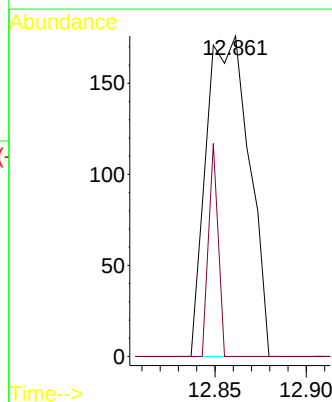
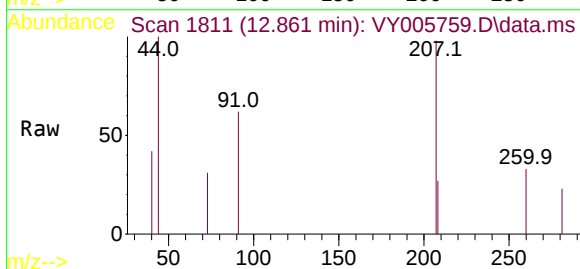
Instrument :
MSVOA_Y
ClientSampleId :

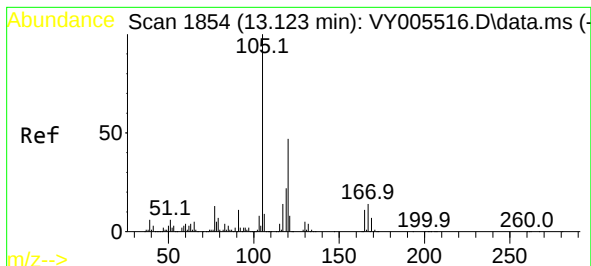
Tgt Ion: 75 Resp: 1658
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 38.4 57.6#



#82
4-Chlorotoluene
Concen: 2.446 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion: 91 Resp: 288
Ion Ratio Lower Upper
91 100
126 14.9 17.5 52.5#

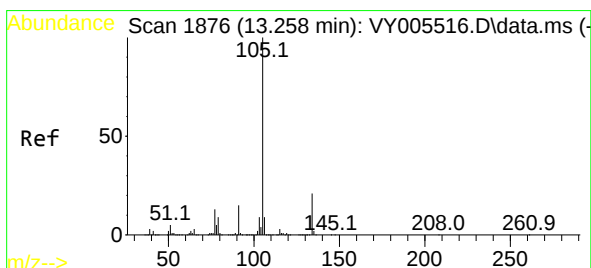
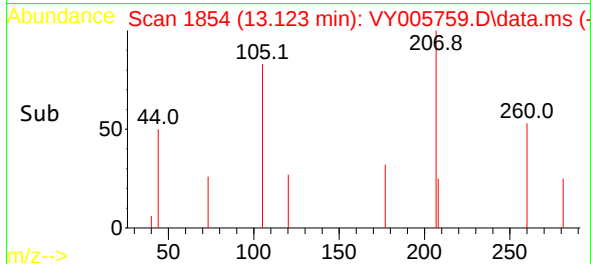
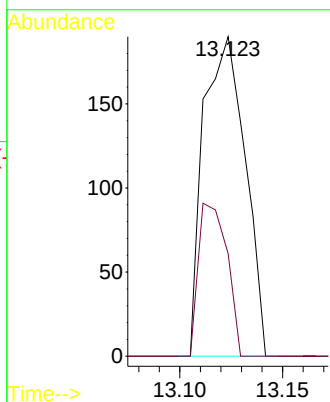
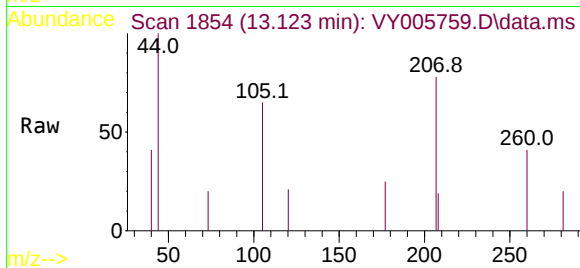




#84
1,2,4-Trimethylbenzene
Concen: 1.911 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

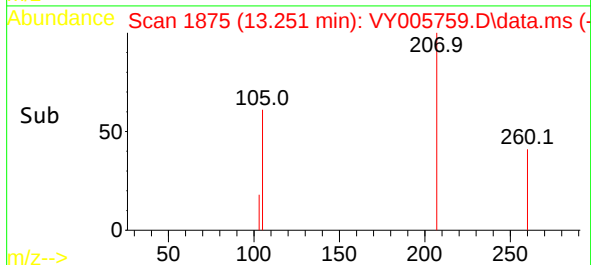
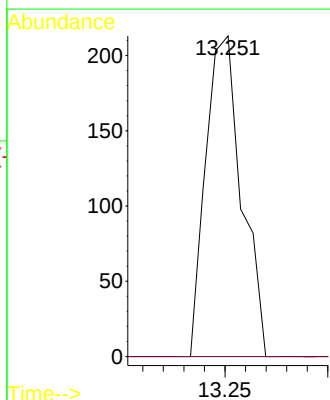
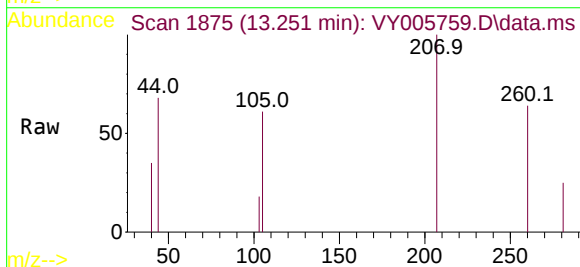
Instrument :
MSVOA_Y
ClientSampleId :

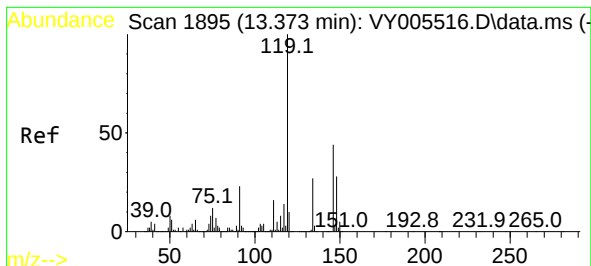
Tgt Ion:105 Resp: 267
Ion Ratio Lower Upper
105 100
120 32.6 22.9 68.5



#85
sec-Butylbenzene
Concen: 1.413 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion:105 Resp: 259
Ion Ratio Lower Upper
105 100
134 0.0 10.5 31.5#

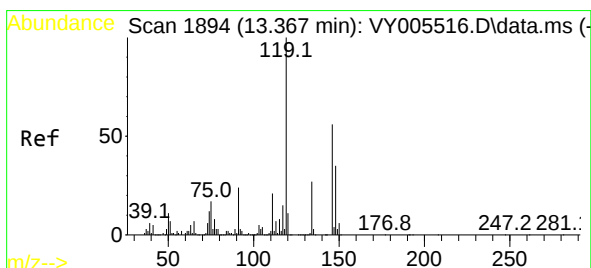
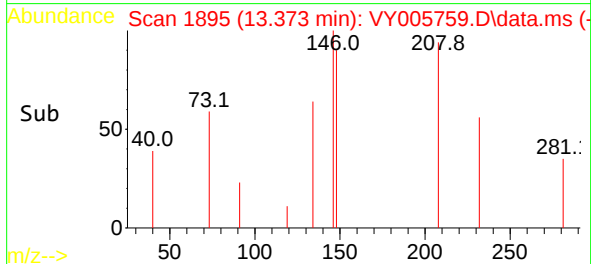
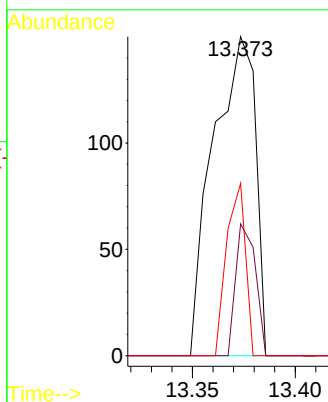
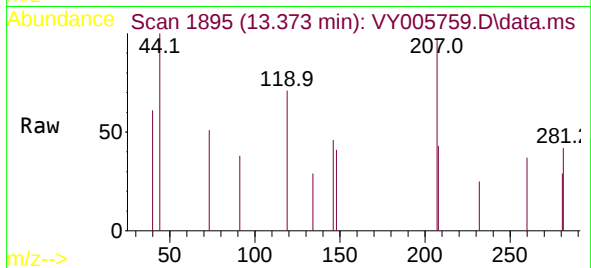




#86
p-Isopropyltoluene
Concen: 1.360 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

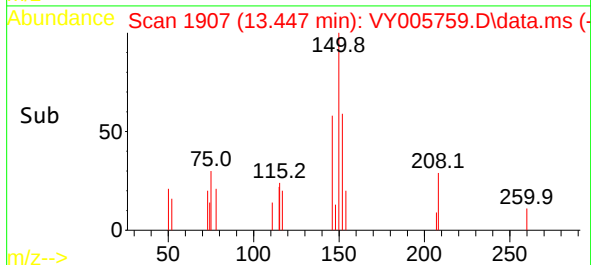
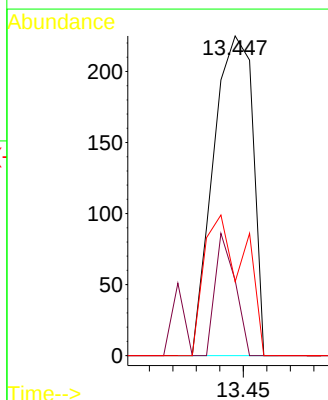
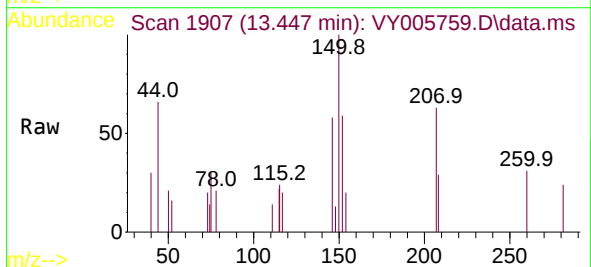
Instrument :
MSVOA_Y
ClientSampled :

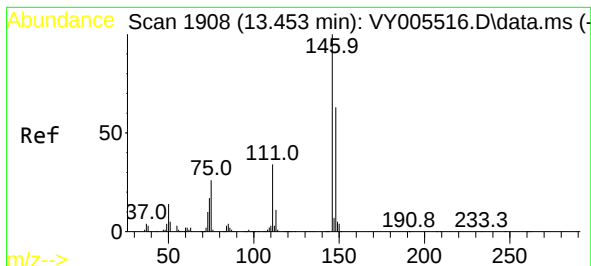
Tgt Ion:	119	Resp:	214
Ion	Ratio	Lower	Upper
119	100		
134	19.2	13.6	40.7
91	24.3	11.6	34.7



#87
1,3-Dichlorobenzene
Concen: 3.204 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.079 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion:	146	Resp:	262
Ion	Ratio	Lower	Upper
146	100		
111	19.5	18.6	56.0
148	44.7	31.7	95.1





#88

1,4-Dichlorobenzene

Concen: 3.229 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY005759.D

Acq: 19 Aug 2021 11:19

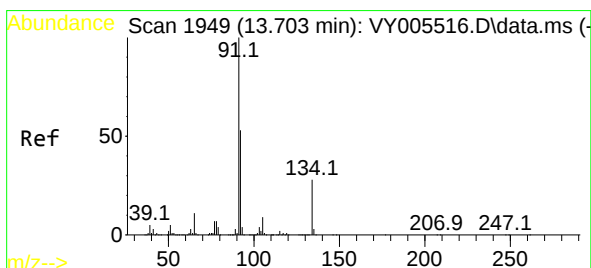
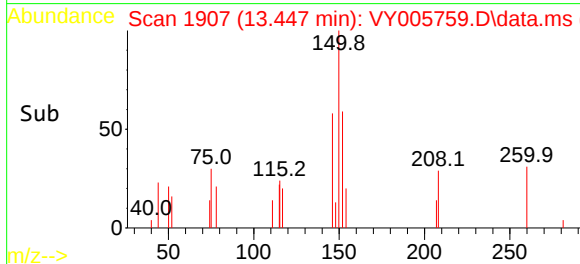
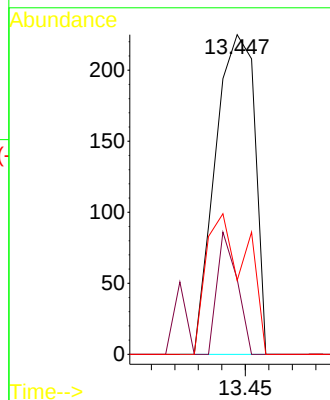
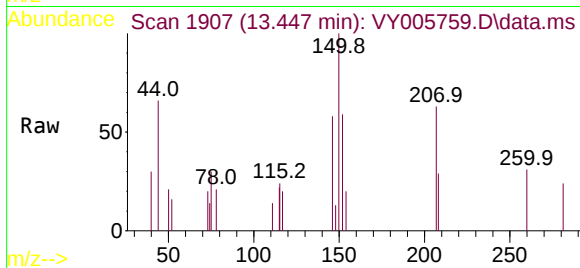
Tgt Ion:146 Resp: 262

Ion Ratio Lower Upper

146 100

111 19.5 18.1 54.3

148 44.7 31.8 95.3



#89

n-Butylbenzene

Concen: 1.712 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VY005759.D

Acq: 19 Aug 2021 11:19

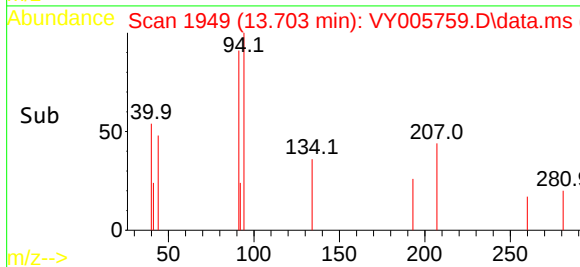
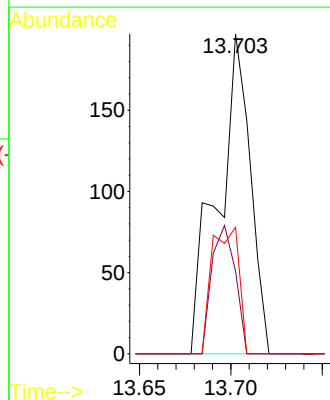
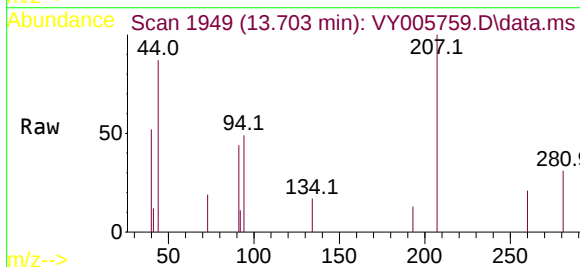
Tgt Ion: 91 Resp: 244

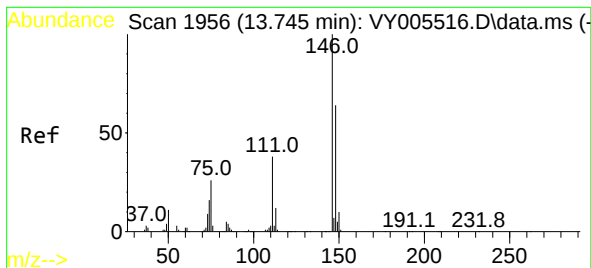
Ion Ratio Lower Upper

91 100

92 28.7 26.7 80.1

134 32.8 13.8 41.4

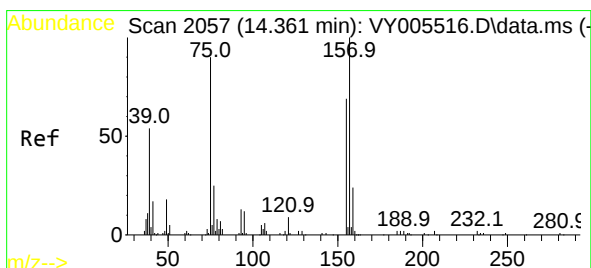
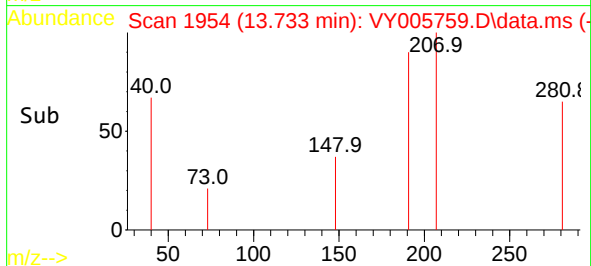
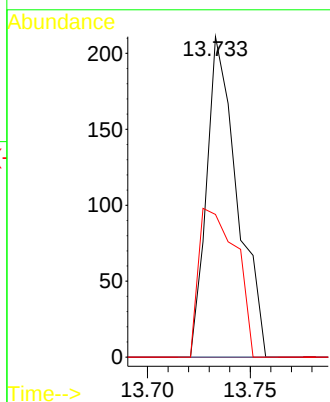
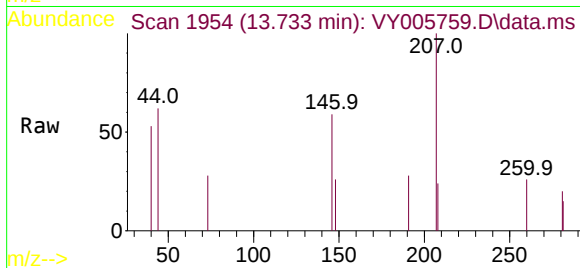




#91
1,2-Dichlorobenzene
Concen: 3.032 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.012 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

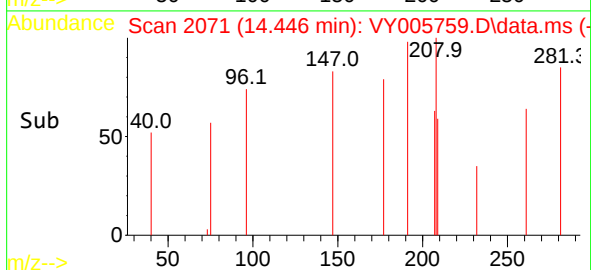
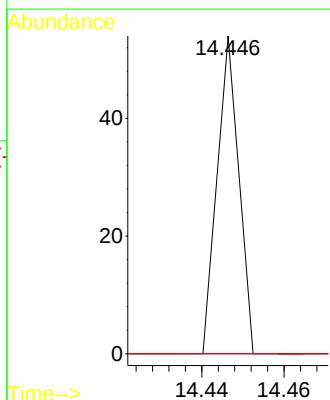
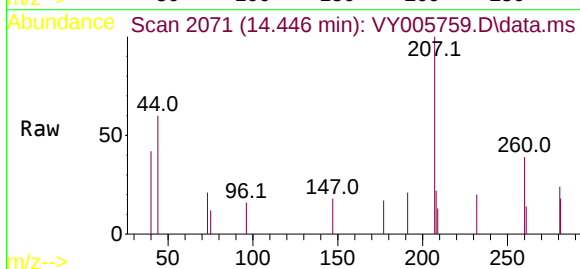
Instrument :
MSVOA_Y
ClientSampleId :

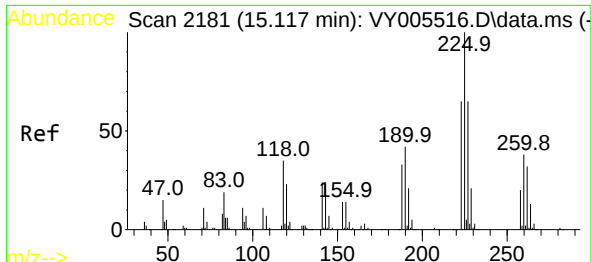
Tgt Ion:146 Resp: 219
Ion Ratio Lower Upper
146 100
111 0.0 19.4 58.2#
148 56.6 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.215 ug/l
RT: 14.446 min Scan# 2071
Delta R.T. 0.085 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 42.4 127.1#
157 0.0 56.0 168.2#

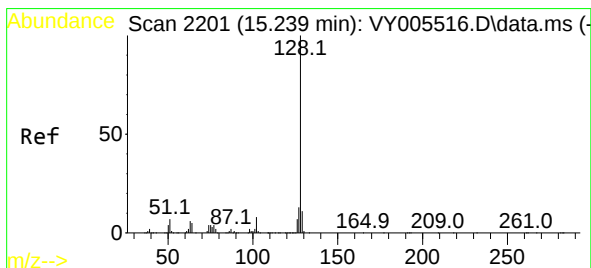
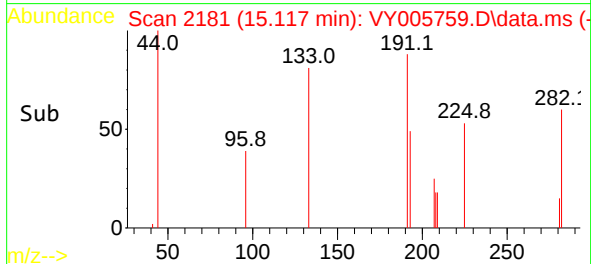
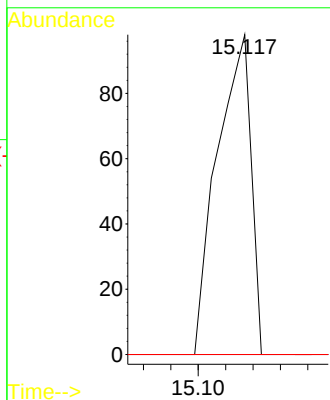
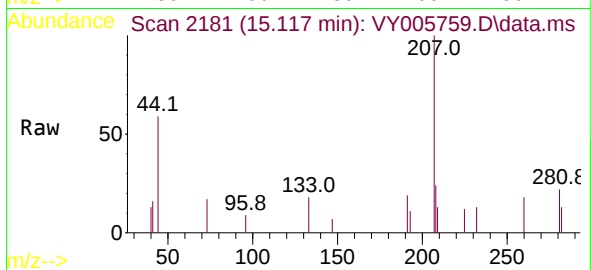




#94
Hexachlorobutadiene
Concen: 2.614 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

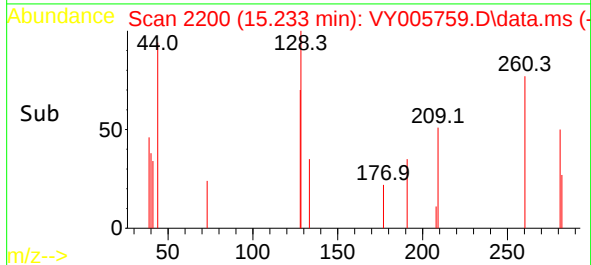
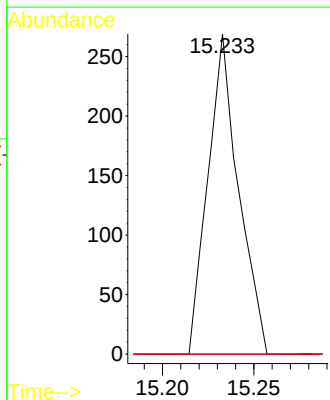
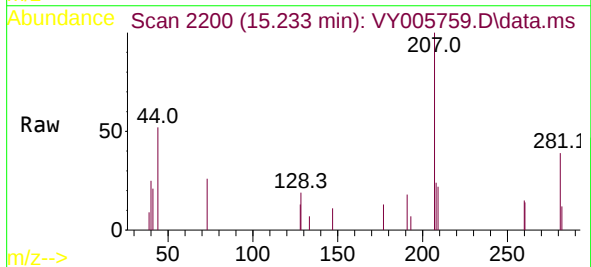
Instrument :
MSVOA_Y
ClientSampled :

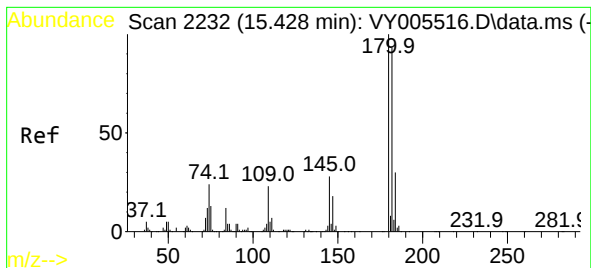
Tgt Ion:	225	Resp:	84
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.4	94.0#
227	0.0	32.2	96.6#



#95
Naphthalene
Concen: 3.210 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY005759.D
Acq: 19 Aug 2021 11:19

Tgt Ion:	128	Resp:	314
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: 1.683 ug/l
 RT: 15.422 min Scan# 2231
 Delta R.T. -0.006 min
 Lab File: VY005759.D
 Acq: 19 Aug 2021 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:180 Resp: 74
 Ion Ratio Lower Upper
 180 100
 182 168.9 47.9 143.6#
 145 0.0 14.6 44.0#

