

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081321\
 Data File : VY005635.D
 Acq On : 13 Aug 2021 15:42
 Operator : SY/MD
 Sample : M3404-04
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP2-1-6FT

Quant Time: Aug 14 03:35:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

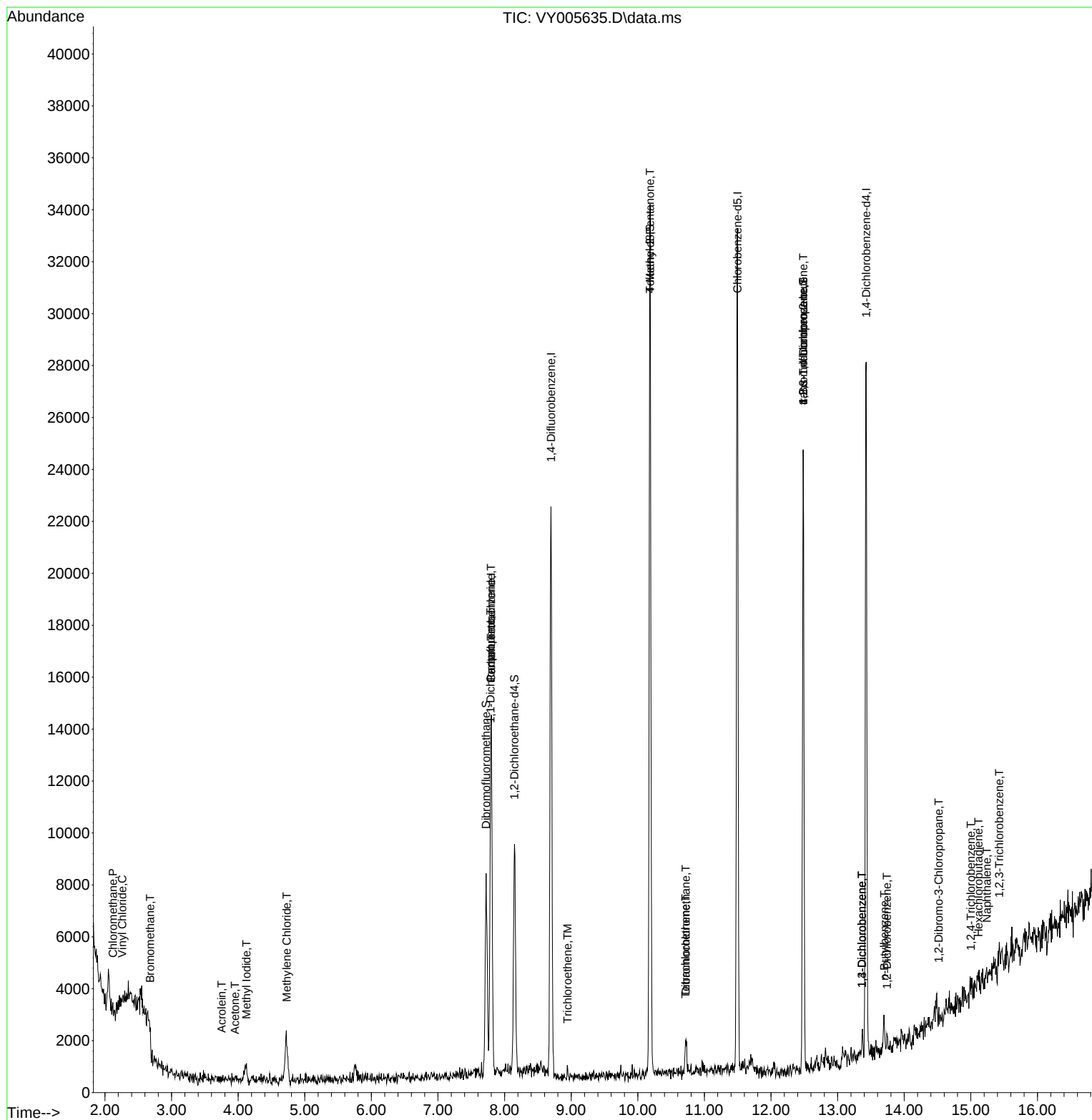
Internal Standards						
1) Pentafluorobenzene	7.795	168	11463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	18492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	17623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	7052	60.775	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.560%			
35) Dibromofluoromethane	7.722	113	4697	45.368	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.740%			
50) Toluene-d8	10.185	98	22306	51.372	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.483	95	6942	48.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.560%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	129	1.147	ug/l #	42
4) Vinyl Chloride	2.259	62	308	2.286	ug/l #	42
5) Bromomethane	2.680	94	112	1.263	ug/l	93
10) Methyl Iodide	4.125	142	1093	8.968	ug/l #	39
13) Acrolein	3.753	56	19	2.745	ug/l #	14
16) Acetone	3.954	43	90	3.076	ug/l #	45
20) Methylene Chloride	4.728	84	1232	5.189	ug/l #	73
36) 1,1-Dichloropropene	7.789	75	492	2.837	ug/l #	41
38) Carbon Tetrachloride	7.795	117	1128	5.984	ug/l #	13
44) Trichloroethene	8.947	130	136	1.003	ug/l	85
51) 4-Methyl-2-Pentanone	10.185	43	111	1.060	ug/l #	23
60) Dibromochloromethane	10.721	129	271	2.203	ug/l #	11
64) Tetrachloroethene	10.715	164	387	2.885	ug/l #	91
76) 1,2,3-Trichloropropane	12.483	75	3958	53.726	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3958	108.305	ug/l #	11
87) 1,3-Dichlorobenzene	13.367	146	285	1.198	ug/l	83
88) 1,4-Dichlorobenzene	13.367	146	285	1.208	ug/l	84
89) n-Butylbenzene	13.702	91	438	1.057	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	242	1.152	ug/l #	76
92) 1,2-Dibromo-3-Chloropr...	14.519	75	49	2.708	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.001	180	269	1.864	ug/l #	84
94) Hexachlorobutadiene	15.117	225	135	1.444	ug/l #	65
95) Naphthalene	15.239	128	463	1.627	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	272	2.127	ug/l	89

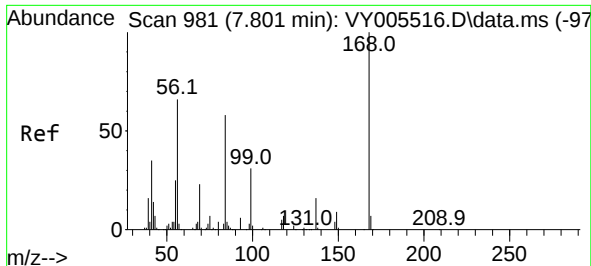
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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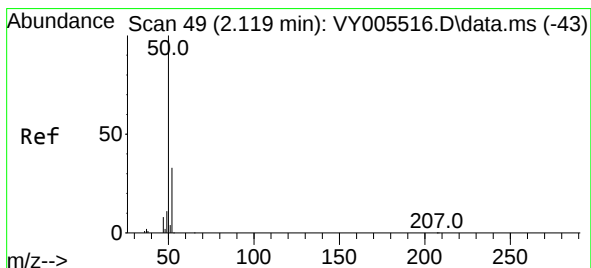
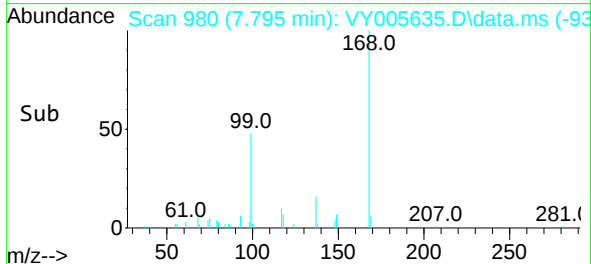
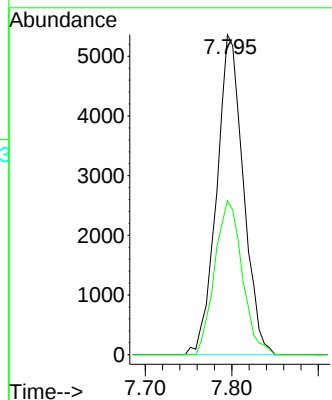
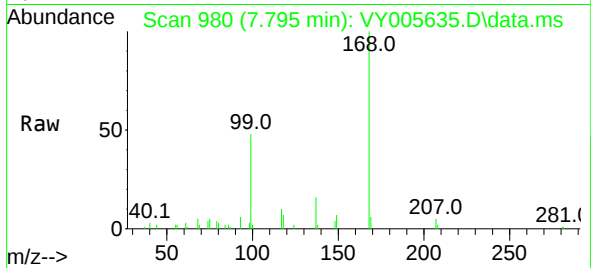




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

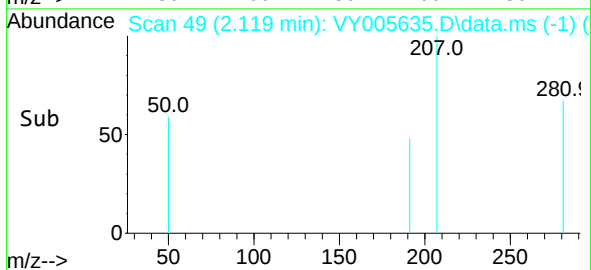
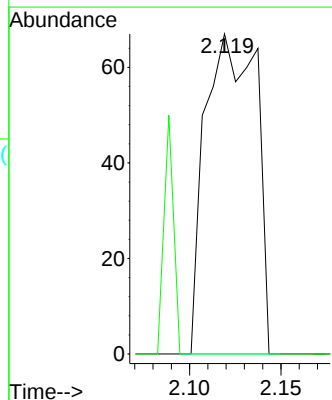
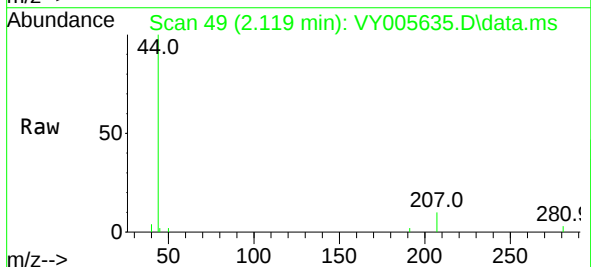
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

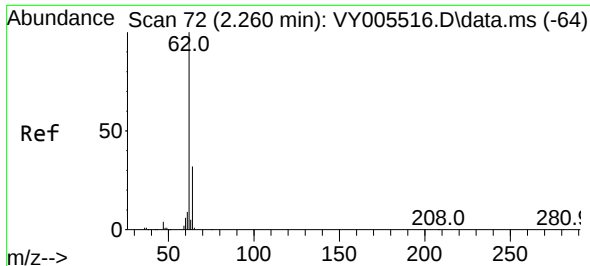
Tgt Ion:168 Resp: 11463
Ion Ratio Lower Upper
168 100
99 48.2 38.9 58.3



#3
Chloromethane
Concen: 1.147 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion: 50 Resp: 129
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

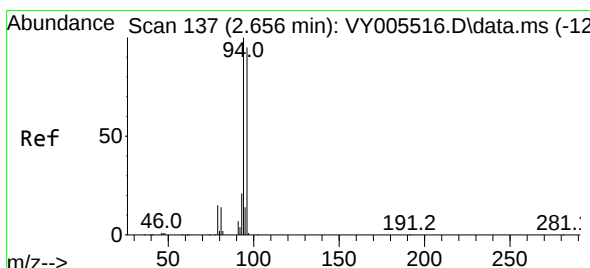
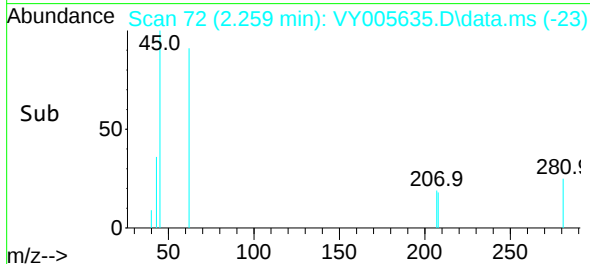
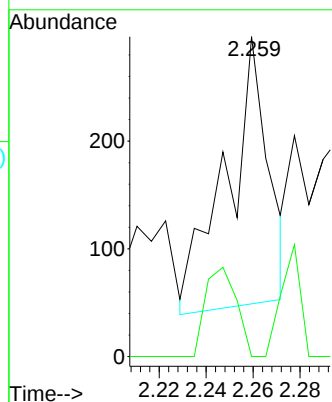
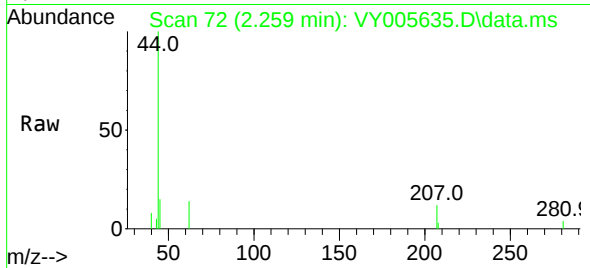




#4
 Vinyl Chloride
 Concen: 2.286 ug/l
 RT: 2.259 min Scan# 72
 Delta R.T. -0.000 min
 Lab File: VY005635.D
 Acq: 13 Aug 2021 15:42

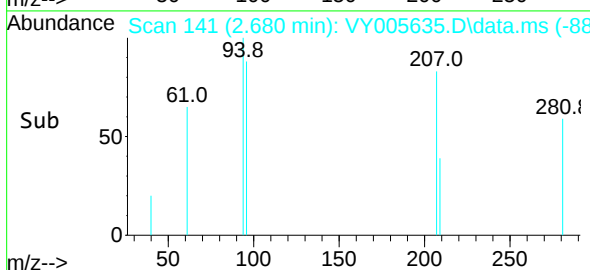
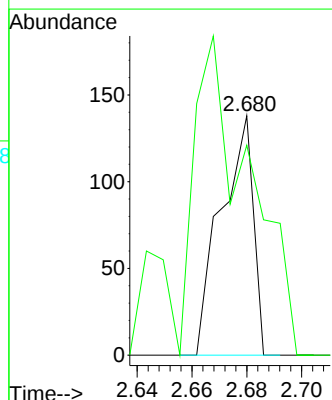
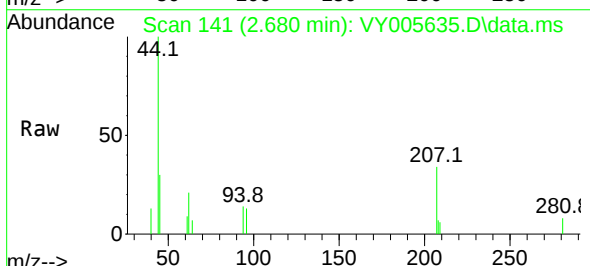
Instrument :
 MSVOA_Y
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 TP2-1-6FT

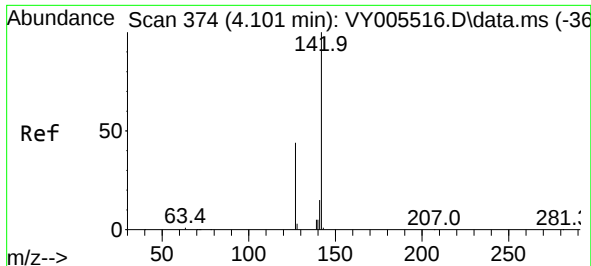
Tgt Ion: 62 Resp: 308
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.9 38.9#



#5
 Bromomethane
 Concen: 1.263 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.024 min
 Lab File: VY005635.D
 Acq: 13 Aug 2021 15:42

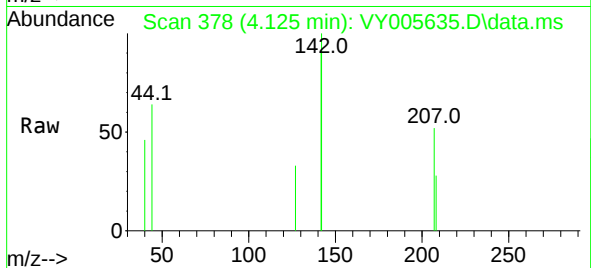
Tgt Ion: 94 Resp: 112
 Ion Ratio Lower Upper
 94 100
 96 87.7 75.7 113.5



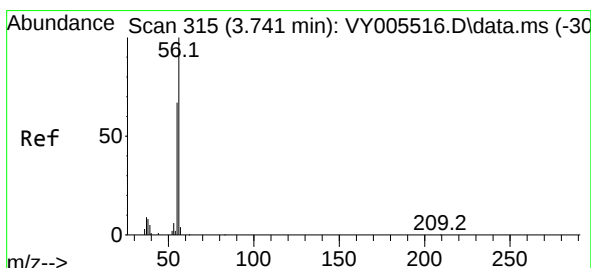
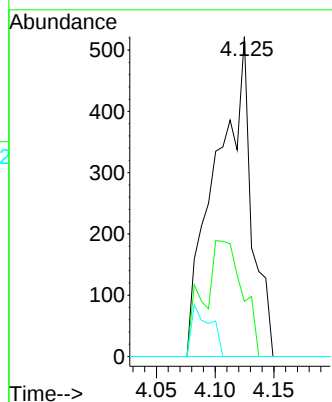
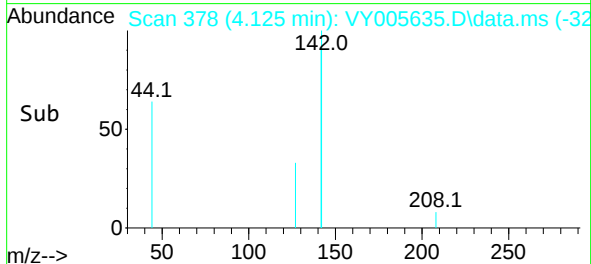


#10
Methyl Iodide
Concen: 8.968 ug/l
RT: 4.125 min Scan# 378
Delta R.T. 0.024 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

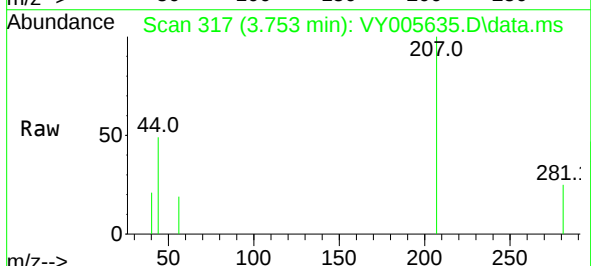
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT



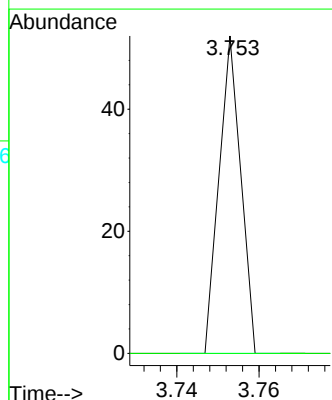
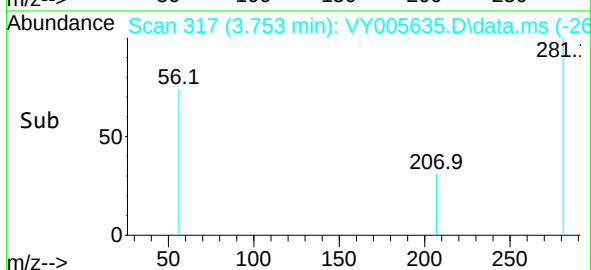
Tgt Ion:142 Resp: 1093
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#

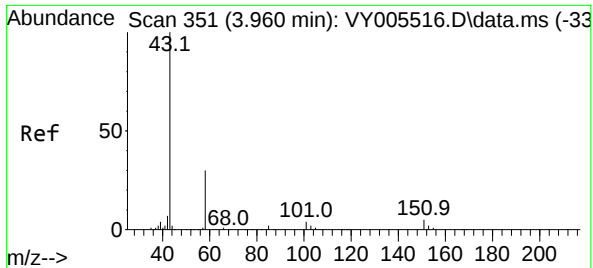


#13
Acrolein
Concen: 2.745 ug/l
RT: 3.753 min Scan# 317
Delta R.T. 0.012 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42



Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#

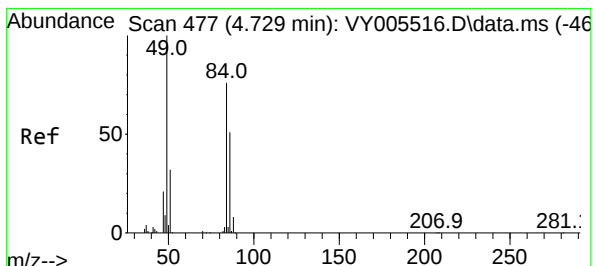
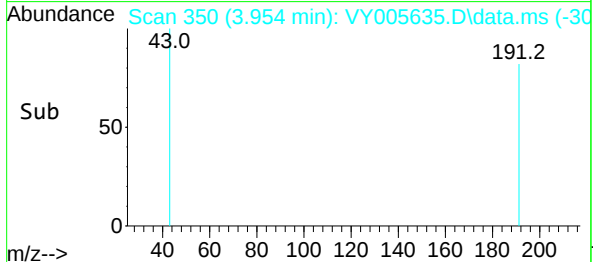
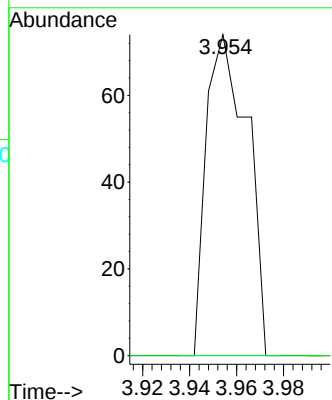
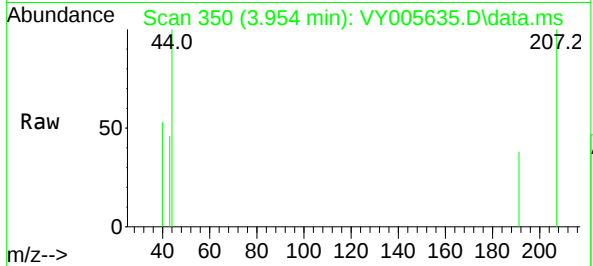




#16
Acetone
Concen: 3.076 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

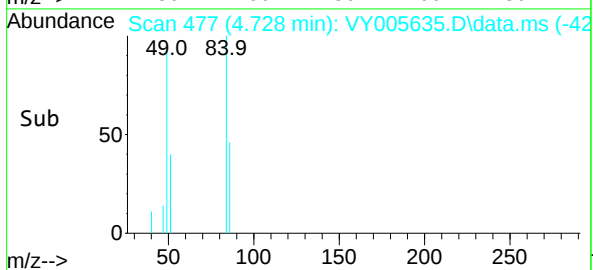
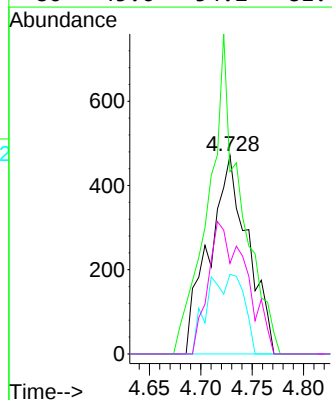
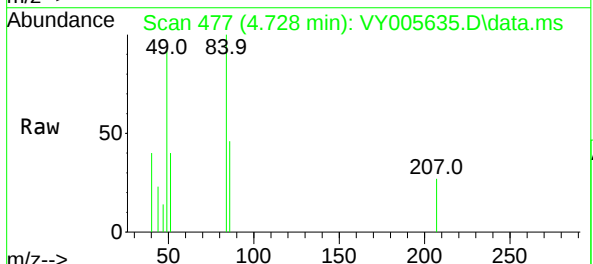
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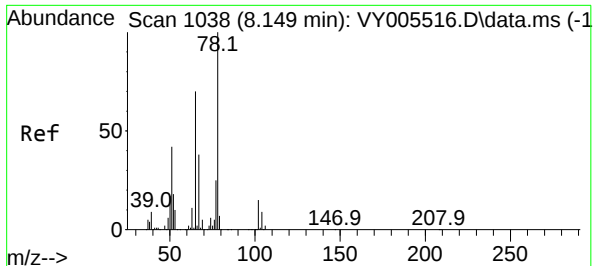
Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



#20
Methylene Chloride
Concen: 5.189 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion: 84 Resp: 1232
Ion Ratio Lower Upper
84 100
49 91.9 105.8 158.6#
51 40.1 33.4 50.2
86 45.6 54.2 81.4#

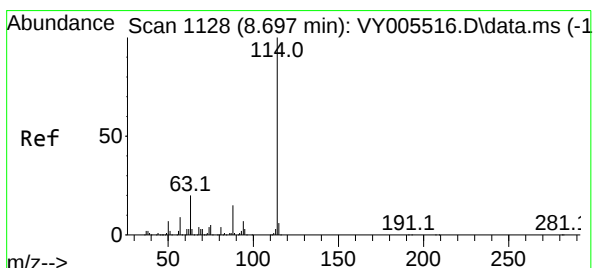
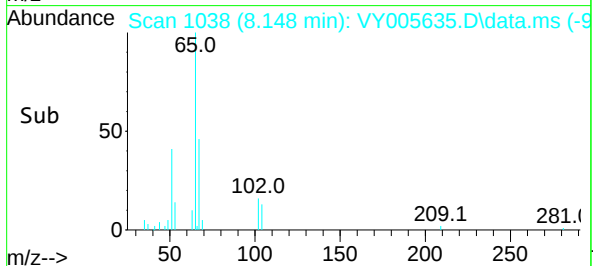
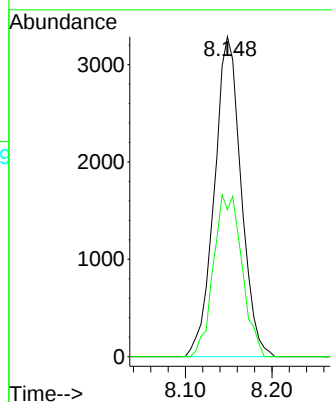
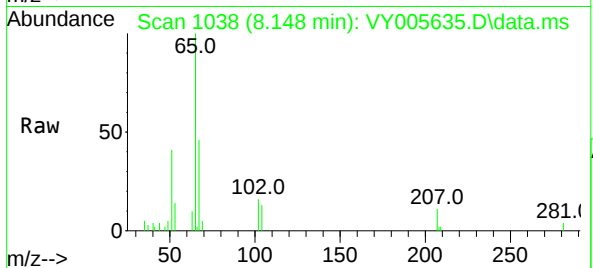




#33
1,2-Dichloroethane-d4
Concen: 60.775 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

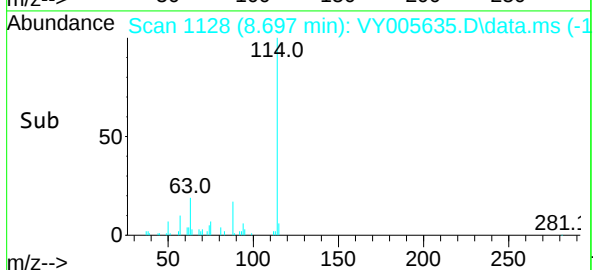
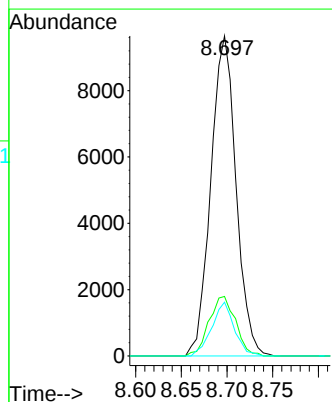
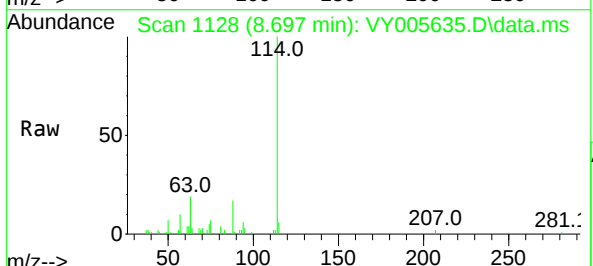
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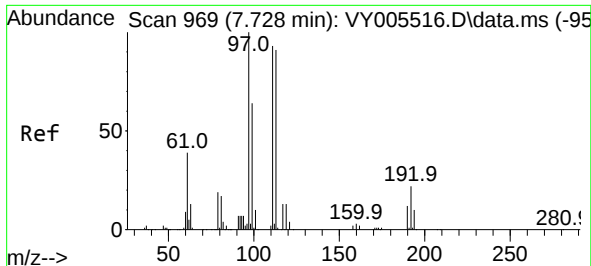
Tgt Ion: 65 Resp: 7052
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion: 114 Resp: 18492
Ion Ratio Lower Upper
114 100
63 18.6 0.0 39.2
88 16.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 45.368 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY005635.D

Acq: 13 Aug 2021 15:42

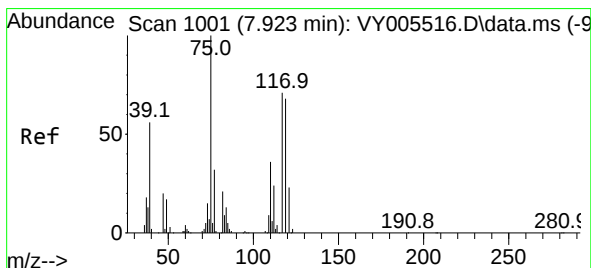
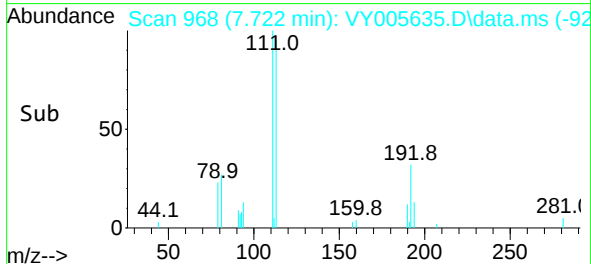
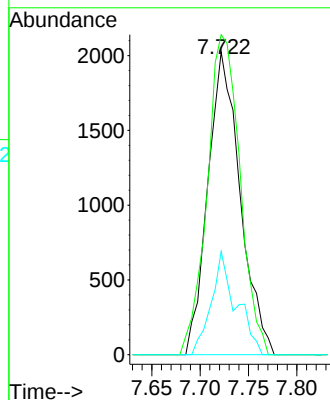
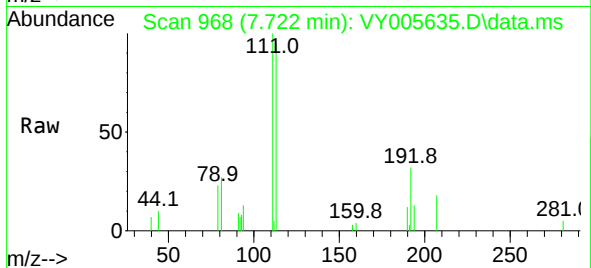
Instrument :

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Tgt Ion:	113	Resp:	4697
Ion	Ratio	Lower	Upper
113	100		
111	107.4	81.9	122.9
192	26.4	19.2	28.8



#36

1,1-Dichloropropene

Concen: 2.837 ug/l

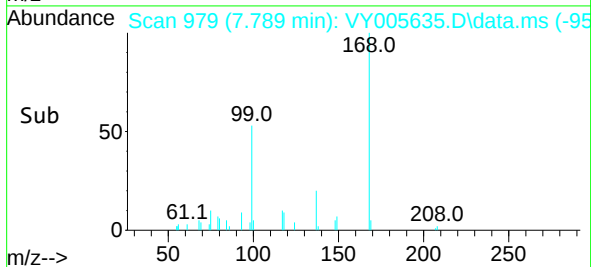
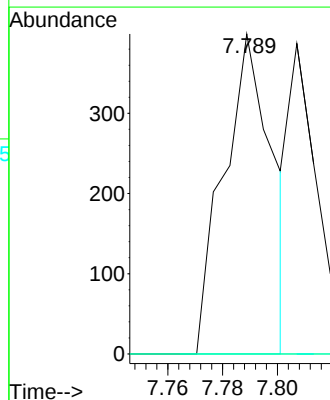
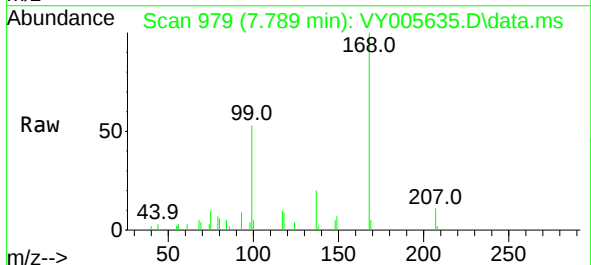
RT: 7.789 min Scan# 979

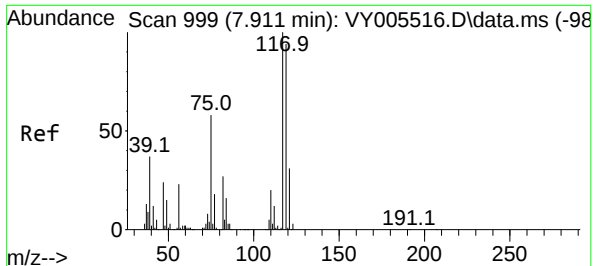
Delta R.T. -0.134 min

Lab File: VY005635.D

Acq: 13 Aug 2021 15:42

Tgt Ion:	75	Resp:	492
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.0	25.1	37.7#

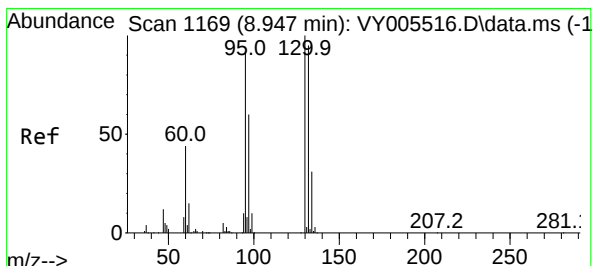
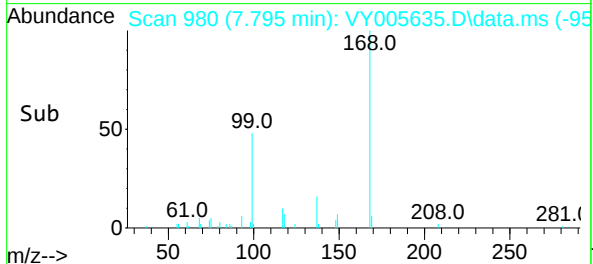
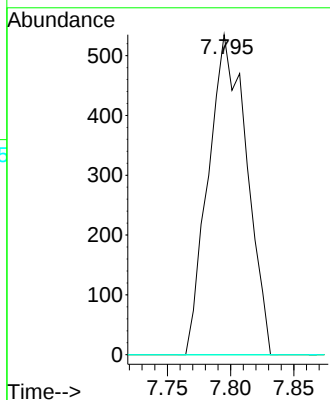
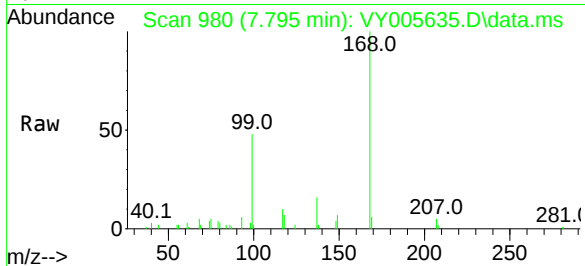




#38
Carbon Tetrachloride
Concen: 5.984 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

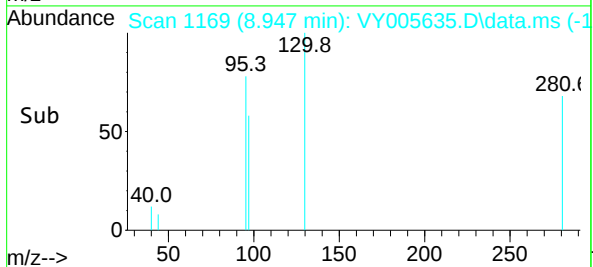
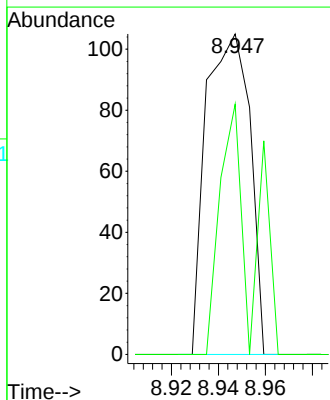
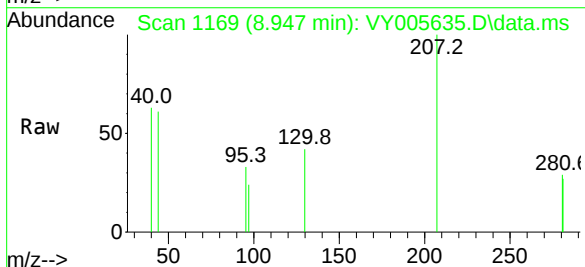
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

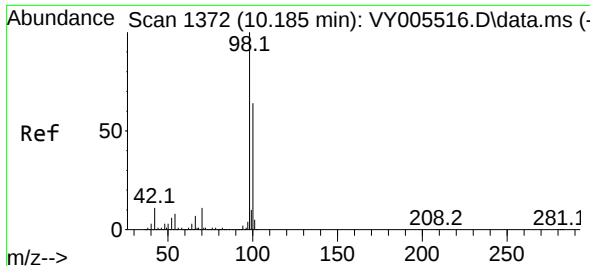
Tgt Ion:117 Resp: 1128
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.1 37.7#



#44
Trichloroethene
Concen: 1.003 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion:130 Resp: 136
Ion Ratio Lower Upper
130 100
95 78.1 0.0 185.0

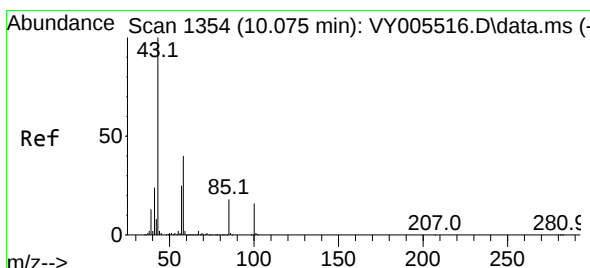
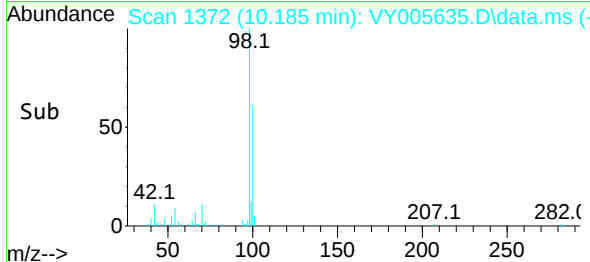
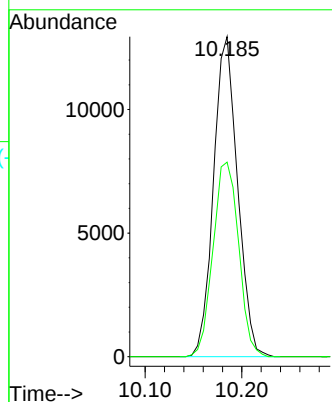
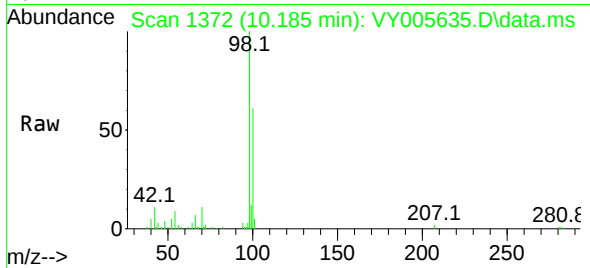




#50
Toluene-d8
Concen: 51.372 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

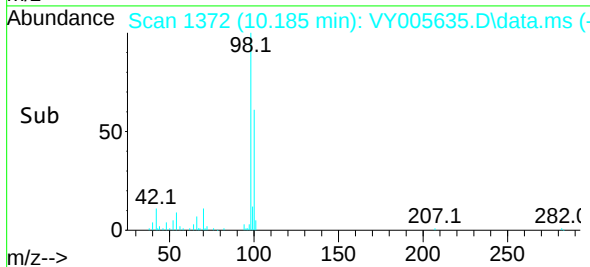
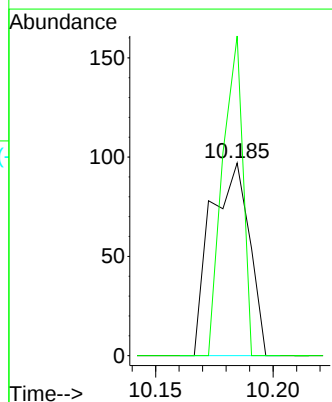
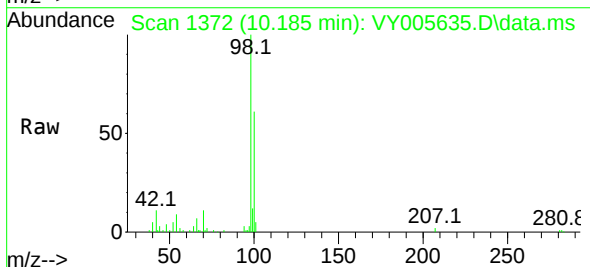
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

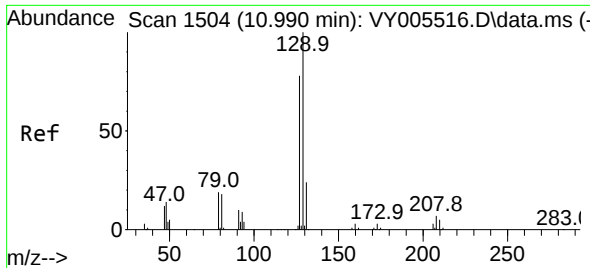
Tgt Ion: 98 Resp: 22306
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.060 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
58 86.5 31.4 47.2#

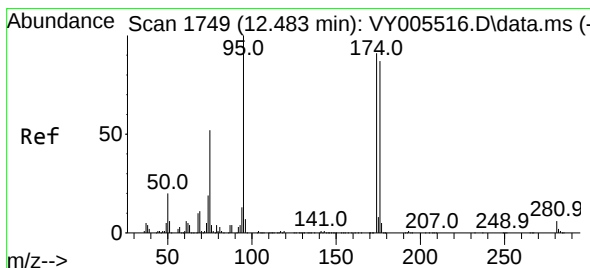
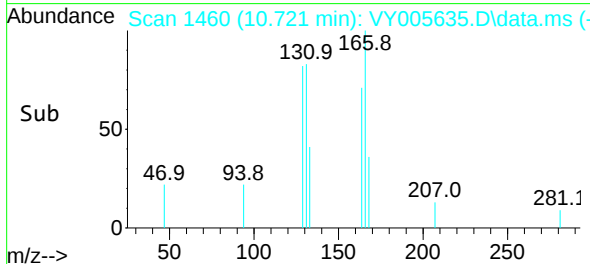
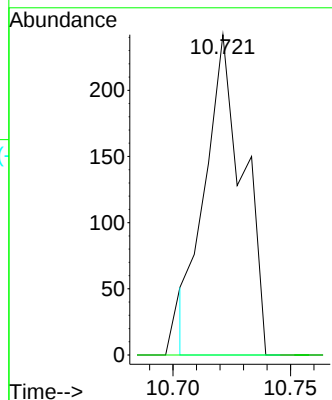
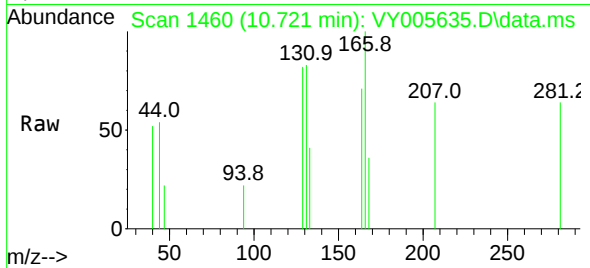




#60
Dibromochloromethane
Concen: 2.203 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.268 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

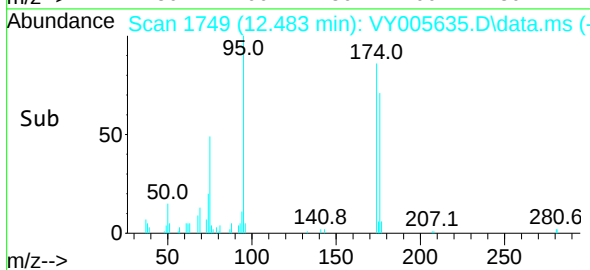
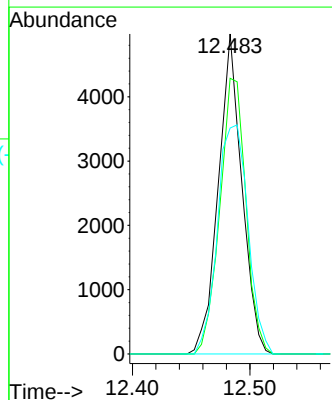
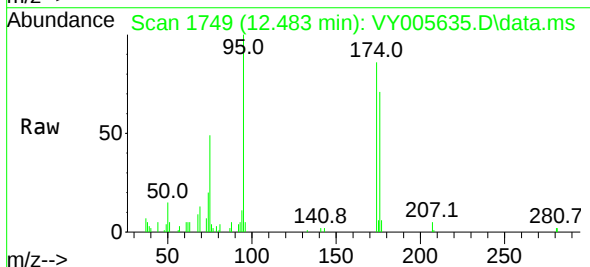
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

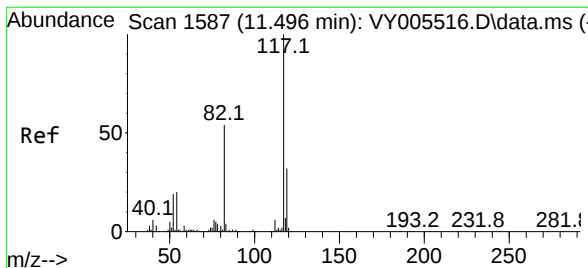
Tgt Ion:129 Resp: 271
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 48.280 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion: 95 Resp: 6942
Ion Ratio Lower Upper
95 100
174 95.0 0.0 191.4
176 92.5 0.0 183.6

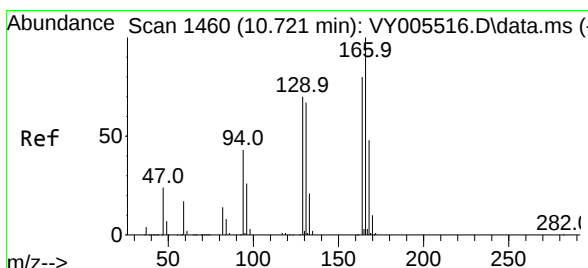
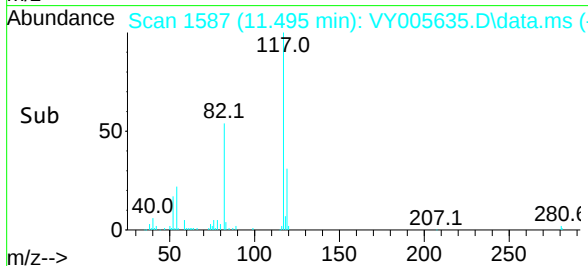
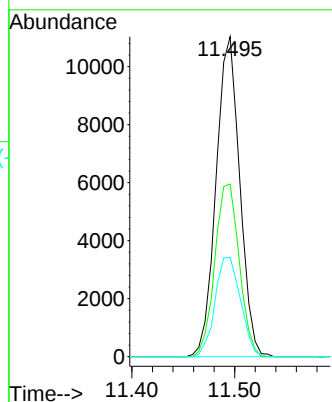
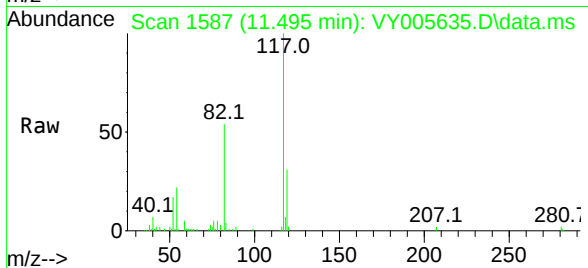




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

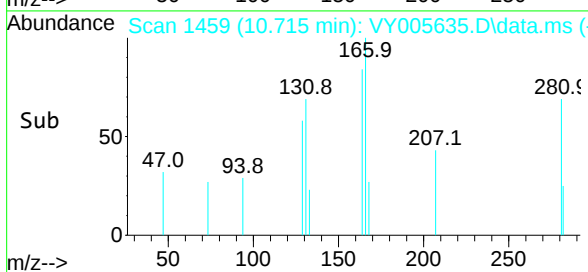
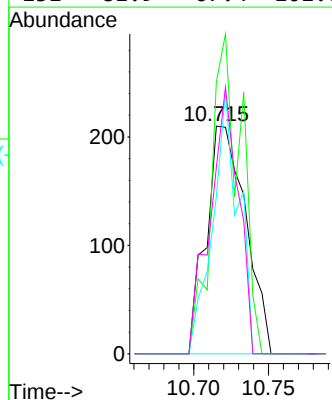
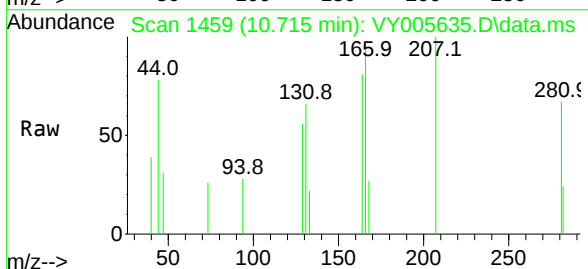
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

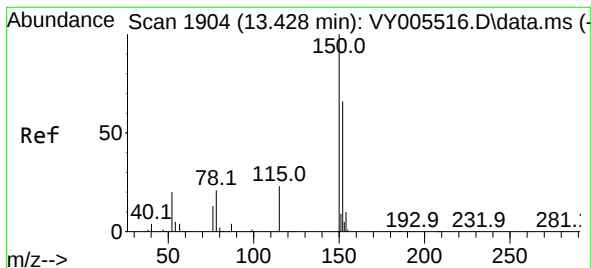
Tgt Ion:	117	Resp:	17623
Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.5	65.3
119	31.1	25.5	38.3



#64
Tetrachloroethene
Concen: 2.885 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion:	164	Resp:	387
Ion	Ratio	Lower	Upper
164	100		
166	119.5	99.8	149.8
129	69.0	70.1	105.1#
131	81.9	67.4	101.0

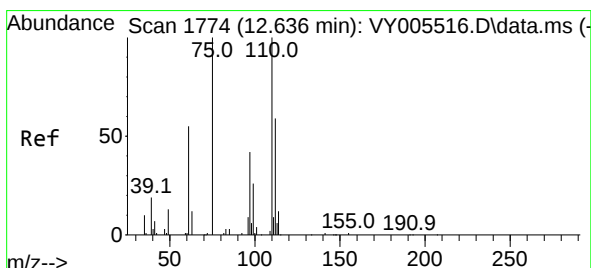
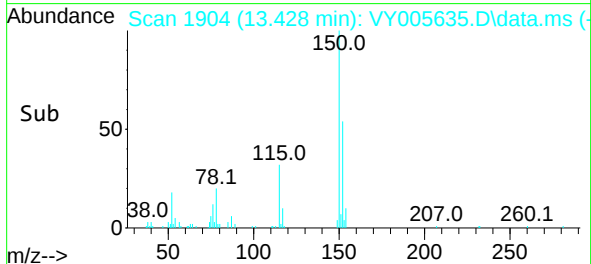
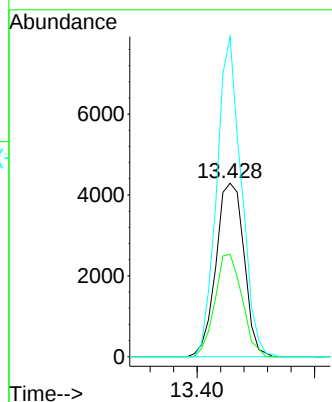
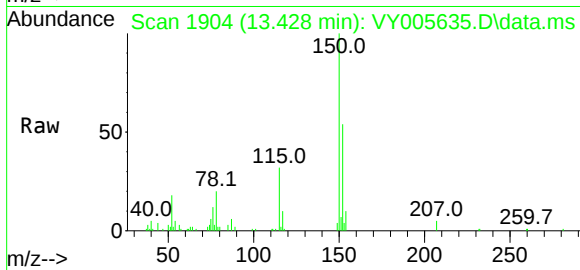




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005635.D
 Acq: 13 Aug 2021 15:42

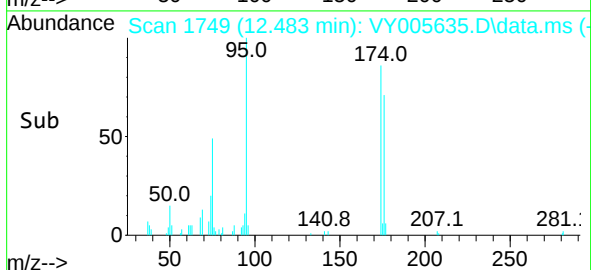
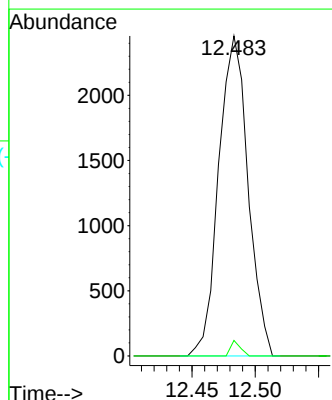
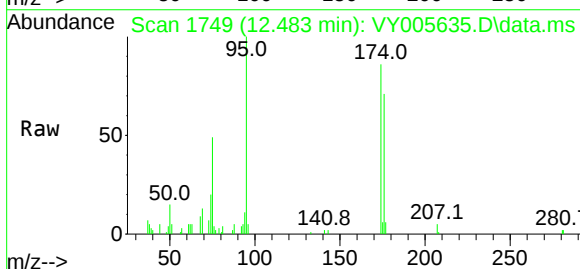
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP2-1-6FT

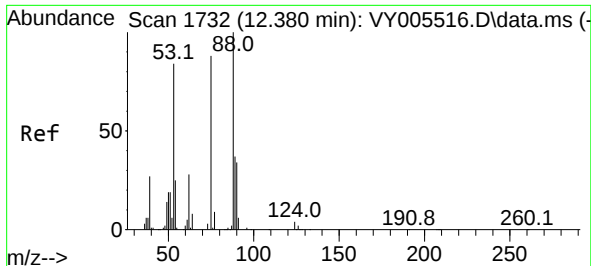
Tgt Ion:152 Resp: 7109
 Ion Ratio Lower Upper
 152 100
 115 57.0 27.3 81.9
 150 161.8 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 53.726 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY005635.D
 Acq: 13 Aug 2021 15:42

Tgt Ion: 75 Resp: 3958
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

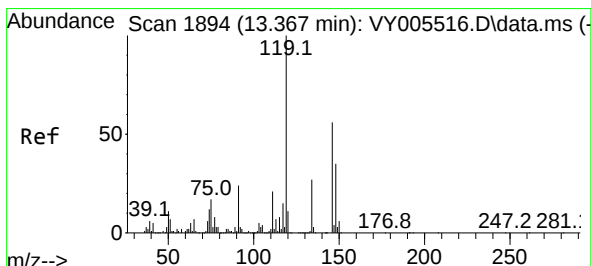
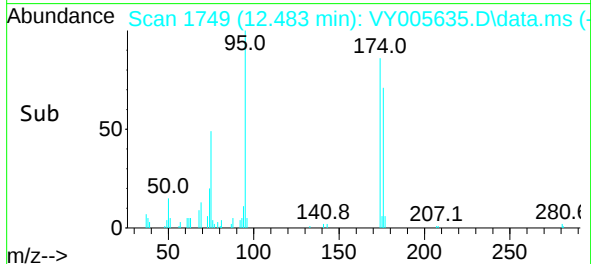
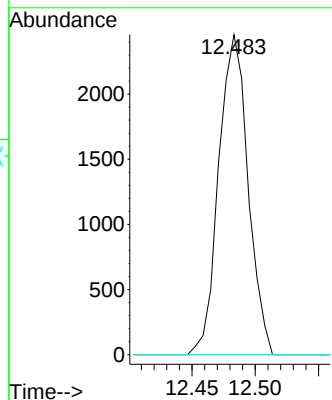
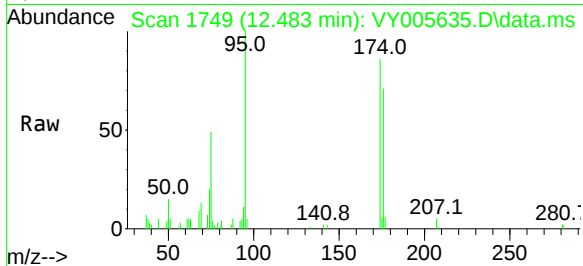




#81
trans-1,4-Dichloro-2-butene
Concen: 108.305 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

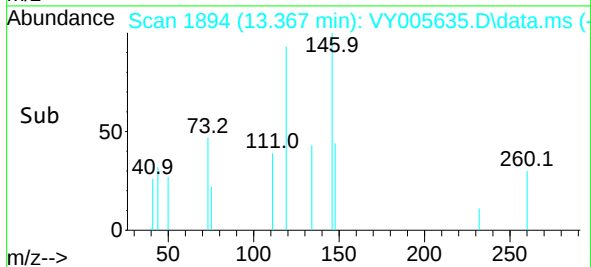
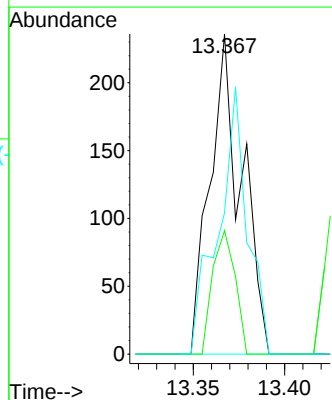
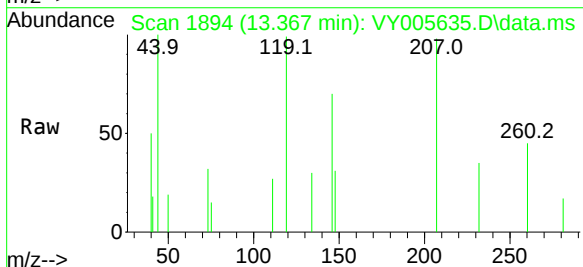
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

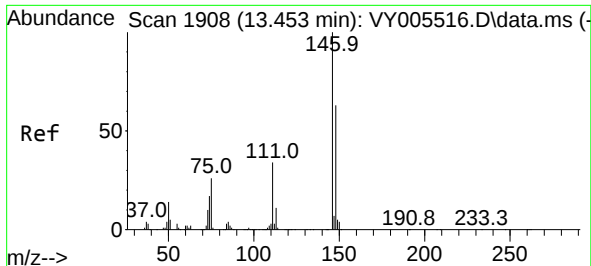
Tgt Ion: 75 Resp: 3958
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 38.4 57.6#



#87
1,3-Dichlorobenzene
Concen: 1.198 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion: 146 Resp: 285
Ion Ratio Lower Upper
146 100
111 27.4 18.6 56.0
148 76.5 31.7 95.1

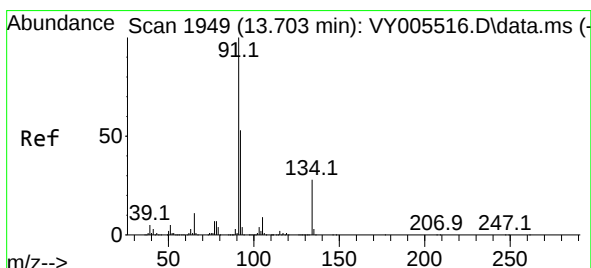
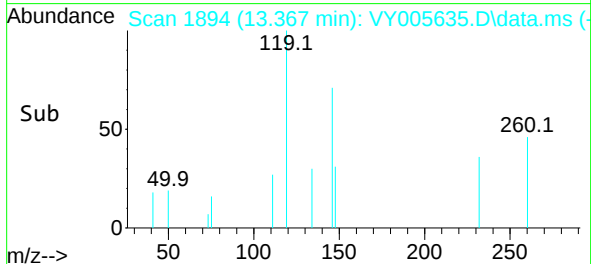
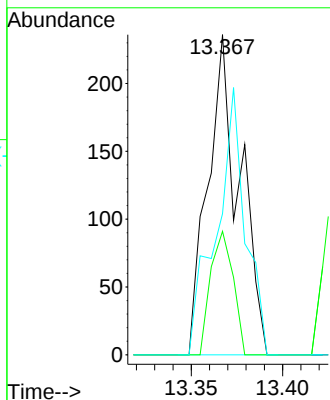
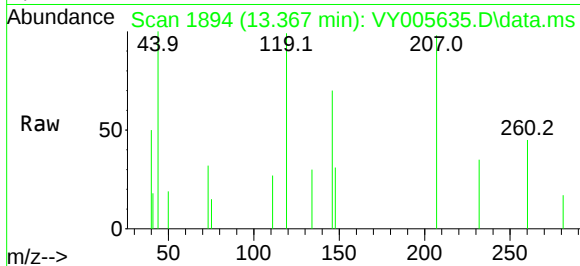




#88
1,4-Dichlorobenzene
Concen: 1.208 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.086 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

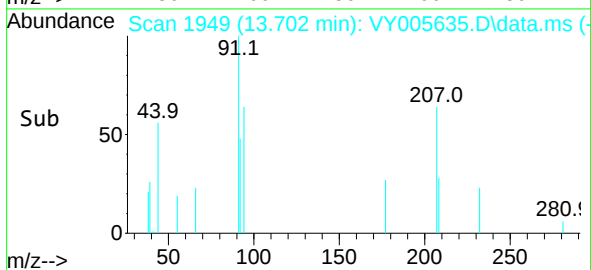
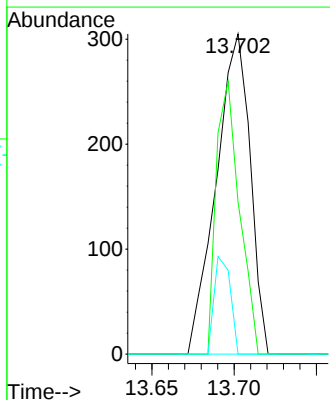
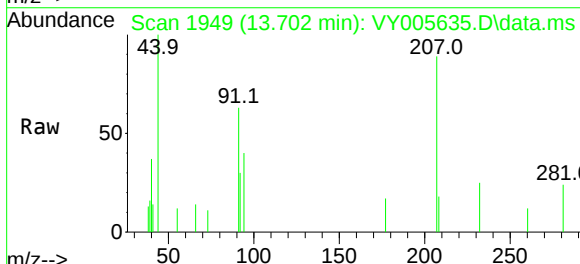
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

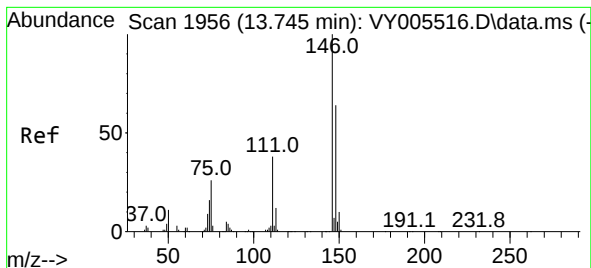
Tgt Ion:146	Resp:	285
Ion	Ratio	Lower Upper
146	100	
111	27.4	18.1 54.3
148	76.5	31.8 95.3



#89
n-Butylbenzene
Concen: 1.057 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion: 91	Resp:	438
Ion	Ratio	Lower Upper
91	100	
92	58.0	26.7 80.1
134	14.4	13.8 41.4

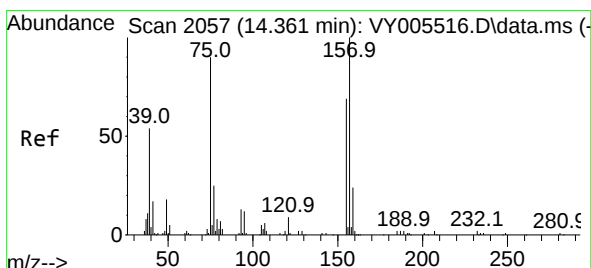
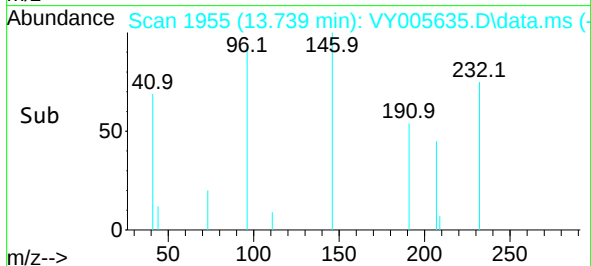
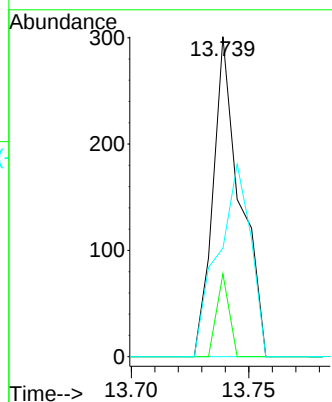
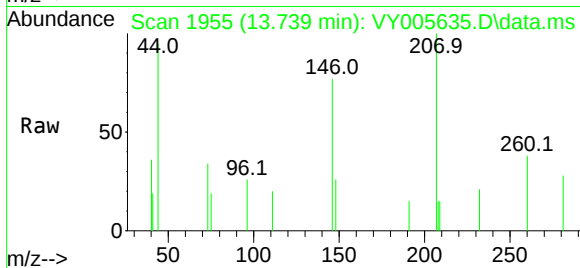




#91
1,2-Dichlorobenzene
Concen: 1.152 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. -0.006 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

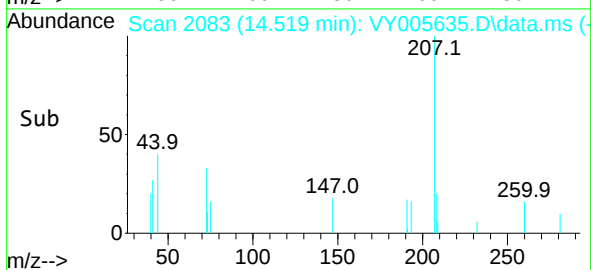
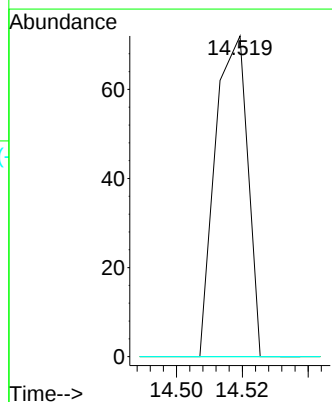
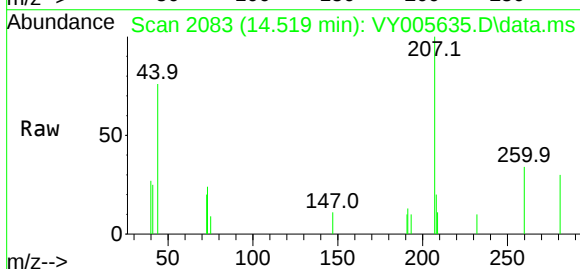
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

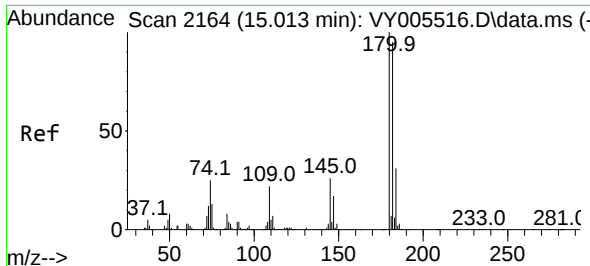
Tgt Ion:146 Resp: 242
Ion Ratio Lower Upper
146 100
111 12.0 19.4 58.2#
148 72.3 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.708 ug/l
RT: 14.519 min Scan# 2083
Delta R.T. 0.158 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
155 0.0 42.4 127.1#
157 0.0 56.0 168.2#

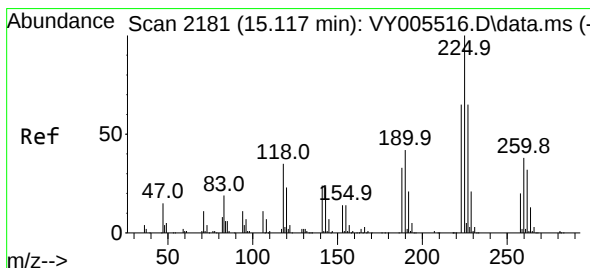
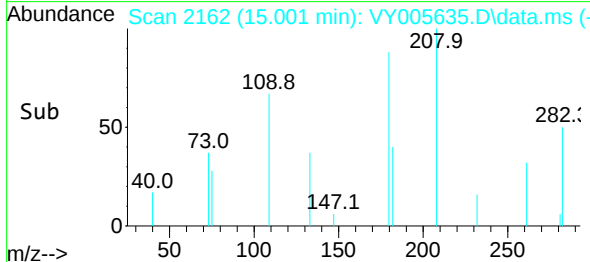
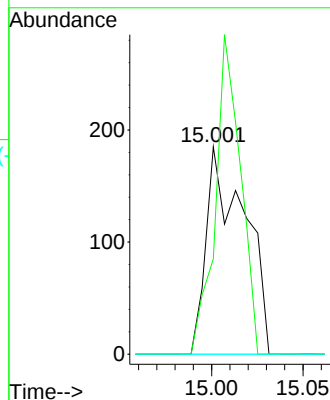
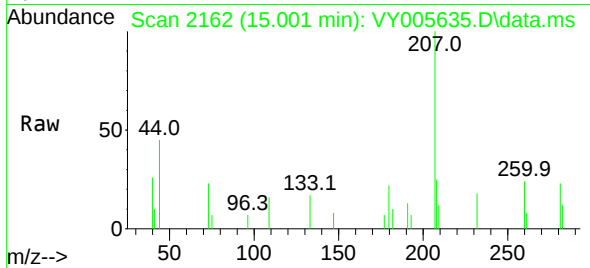




#93
1,2,4-Trichlorobenzene
Concen: 1.864 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.012 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

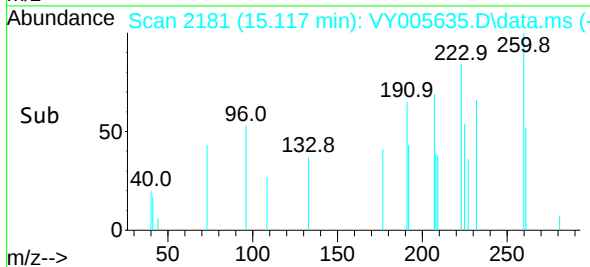
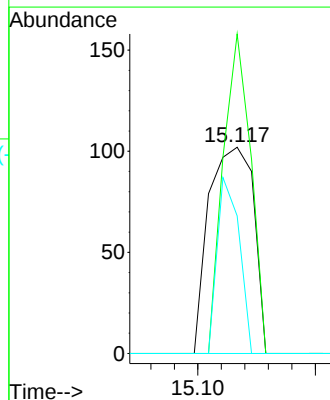
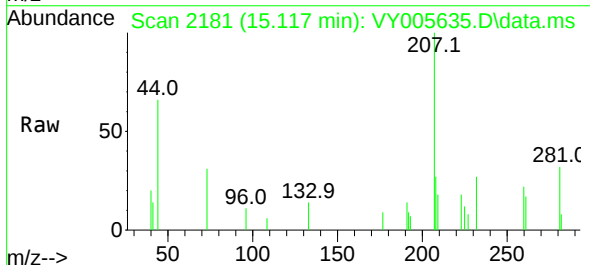
Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

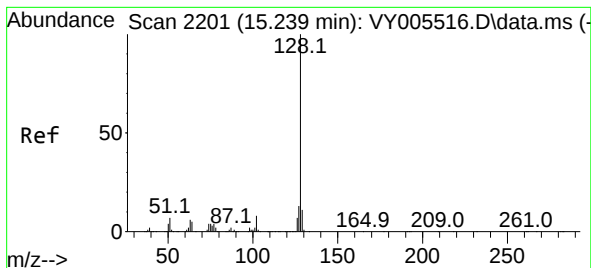
Tgt Ion:180 Resp: 269
Ion Ratio Lower Upper
180 100
182 101.1 47.8 143.4
145 0.0 14.0 42.0#



#94
Hexachlorobutadiene
Concen: 1.444 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion:225 Resp: 135
Ion Ratio Lower Upper
225 100
223 94.8 31.4 94.0#
227 42.2 32.2 96.6

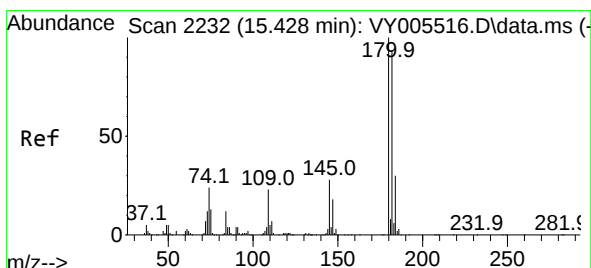
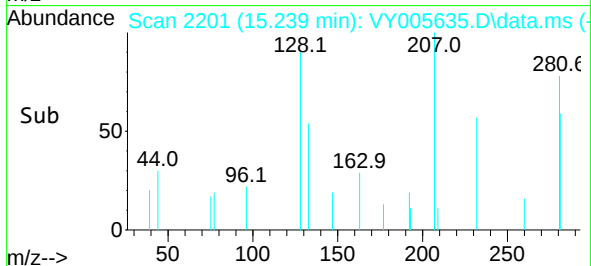
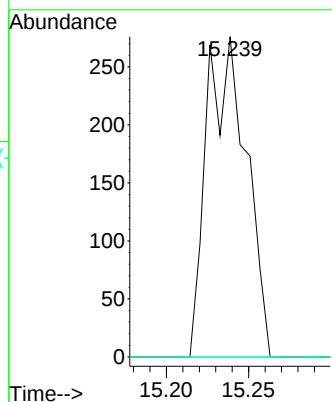
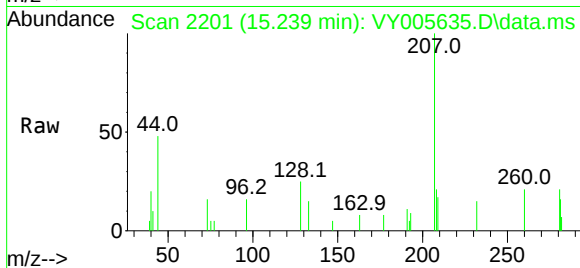




#95
Naphthalene
Concen: 1.627 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Instrument :
MSVOA_Y
ClientSampleId :
TP2-1-6FT

Tgt Ion:128 Resp: 463
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: 2.127 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY005635.D
Acq: 13 Aug 2021 15:42

Tgt Ion:180 Resp: 272
Ion Ratio Lower Upper
180 100
182 83.1 47.9 143.6
145 31.6 14.6 44.0

