

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090921\
 Data File : VY005974.D
 Acq On : 09 Sep 2021 13:07
 Operator : SY/MD
 Sample : M3681-01
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 10 04:45:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

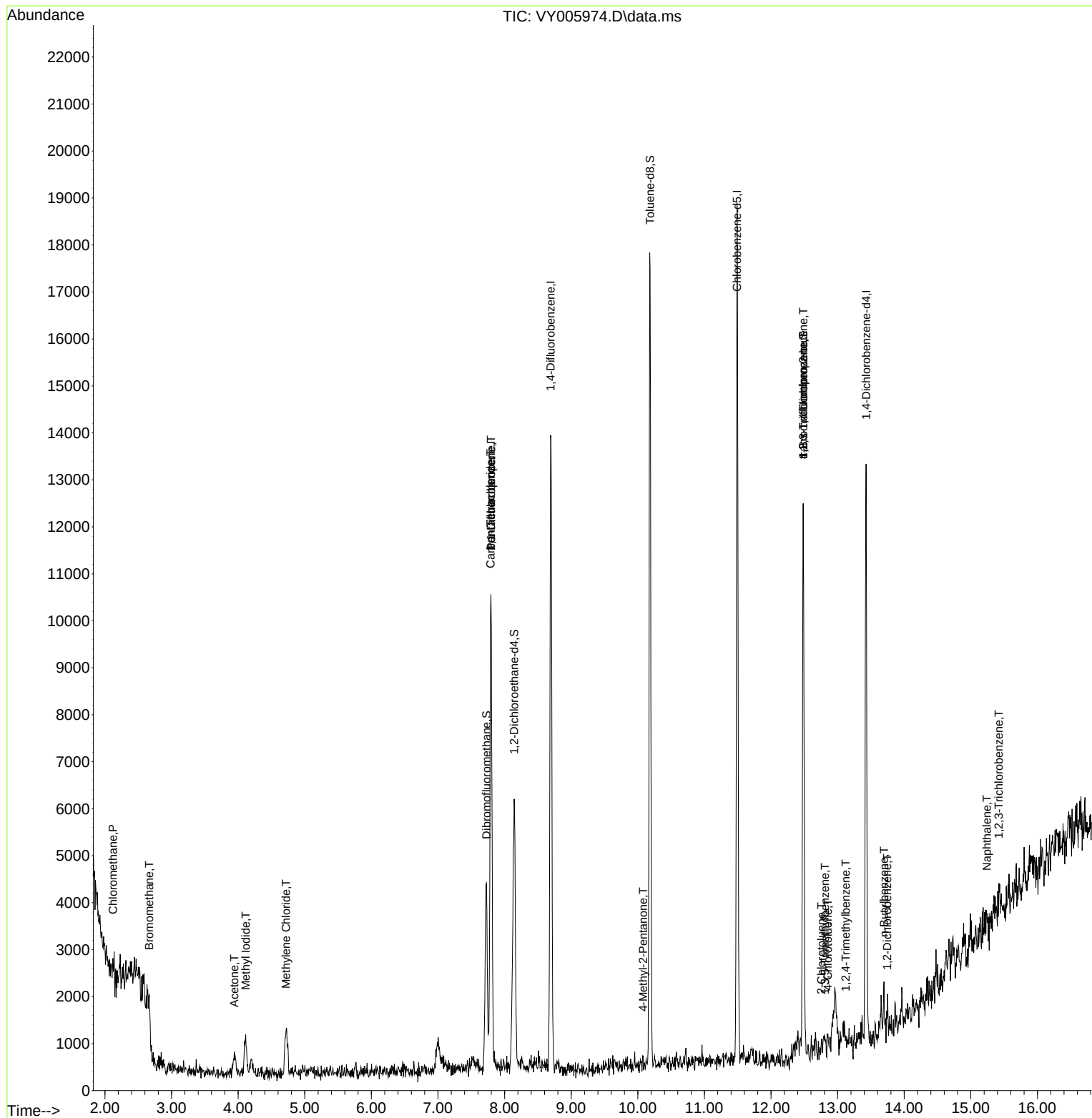
Internal Standards						
1) Pentafluorobenzene	7.795	168	8760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	12242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4110	46.558	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.120%
35) Dibromofluoromethane	7.728	113	3025	44.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.000%
50) Toluene-d8	10.185	98	12148	42.102	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.200%
62) 4-Bromofluorobenzene	12.483	95	3359	34.670	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	69.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	235	2.837	ug/l #	42
5) Bromomethane	2.662	94	279	3.840	ug/l	81
10) Methyl Iodide	4.112	142	1277	13.720	ug/l #	42
16) Acetone	3.942	43	792	35.186	ug/l #	76
20) Methylene Chloride	4.716	84	855	5.418	ug/l #	66
36) 1,1-Dichloropropene	7.795	75	672	5.830	ug/l #	41
38) Carbon Tetrachloride	7.789	117	782	6.259	ug/l #	12
51) 4-Methyl-2-Pentanone	10.081	43	123	1.821	ug/l #	35
76) 1,2,3-Trichloropropane	12.483	75	1733	52.467	ug/l #	100
79) 2-Chlorotoluene	12.757	91	292	1.866	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.812	105	222	1.126	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	1733	99.781	ug/l #	13
82) 4-Chlorotoluene	12.855	91	178	1.084	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.123	105	220	1.125	ug/l #	30
89) n-Butylbenzene	13.696	91	290	1.473	ug/l #	56
91) 1,2-Dichlorobenzene	13.745	146	180	1.761	ug/l #	44
95) Naphthalene	15.239	128	241	1.818	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.421	180	70	1.162	ug/l #	12

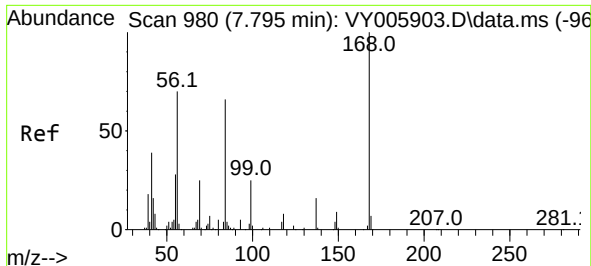
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 01 05:32:43 2021
Response via : Initial Calibration

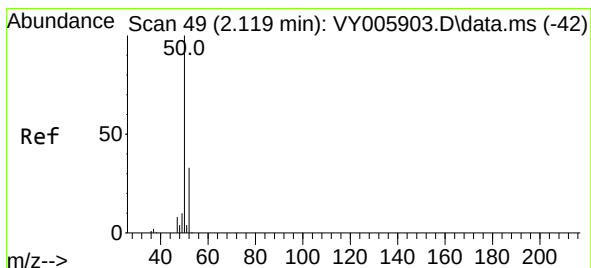
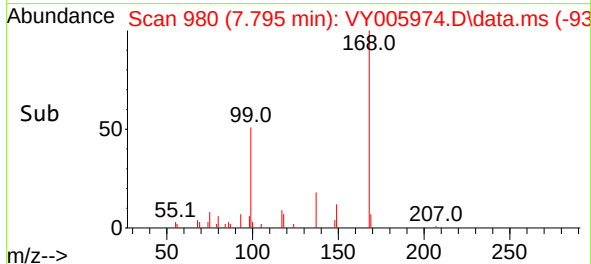
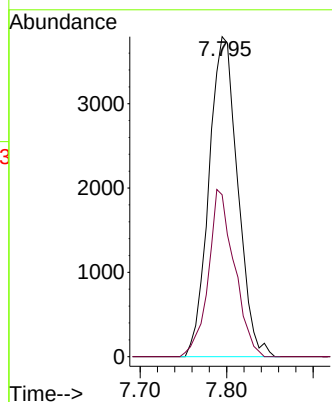
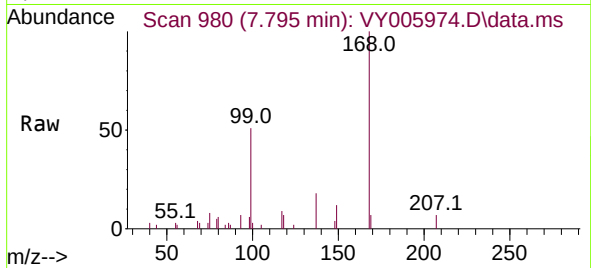




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

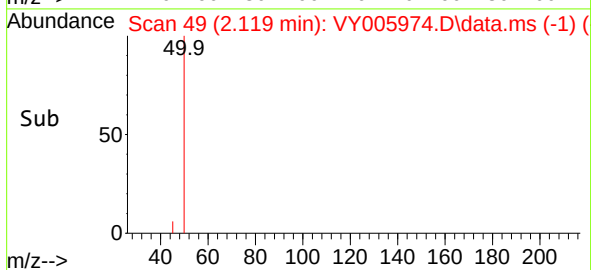
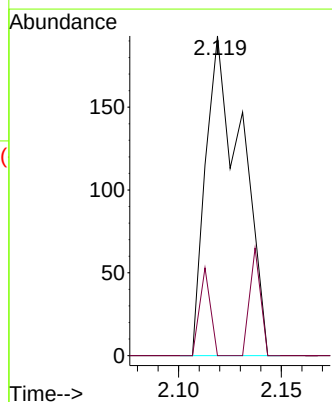
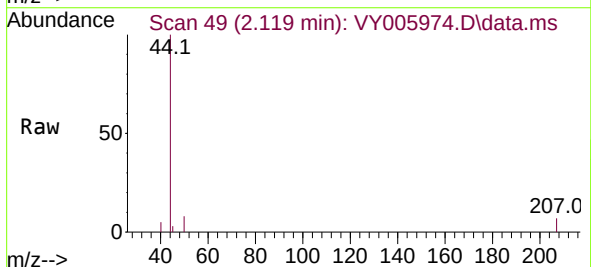
Instrument :
MSVOA_Y
ClientSampleId :

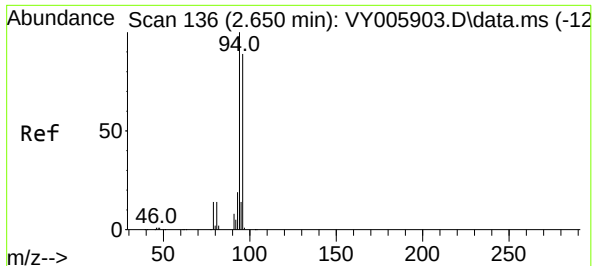
Tgt Ion:168 Resp: 8760
Ion Ratio Lower Upper
168 100
99 50.6 40.6 60.8



#3
Chloromethane
Concen: 2.837 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 50 Resp: 235
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

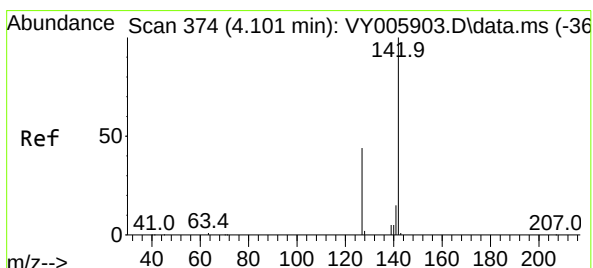
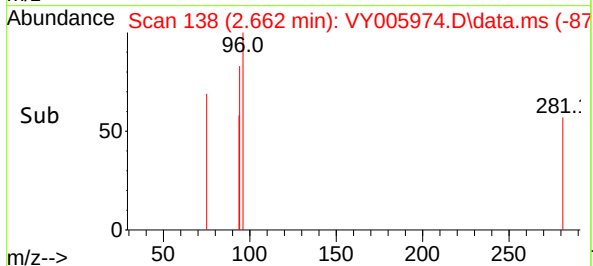
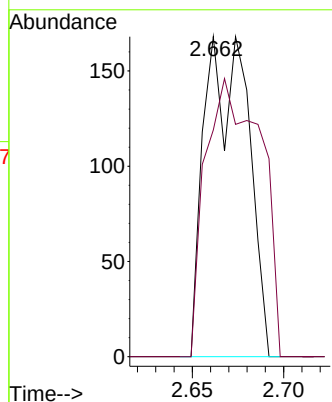
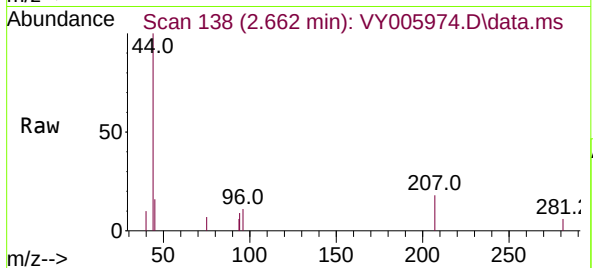




#5
Bromomethane
Concen: 3.840 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

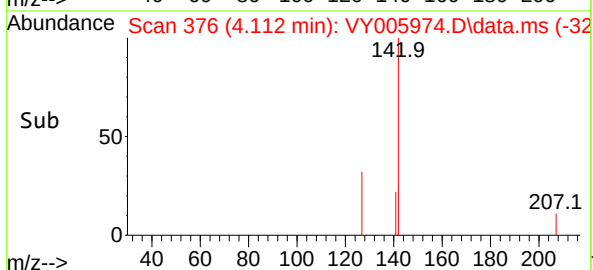
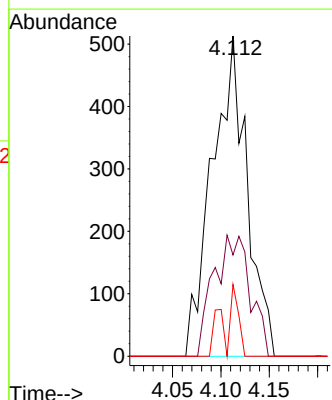
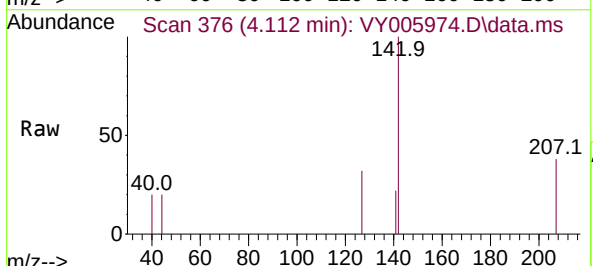
Instrument :
MSVOA_Y
ClientSampled :

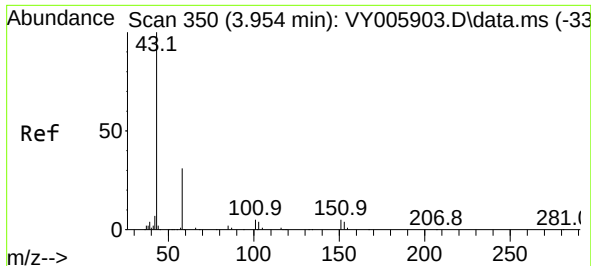
Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 70.8 70.8 106.2



#10
Methyl Iodide
Concen: 13.720 ug/l
RT: 4.112 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 142 Resp: 1277
Ion Ratio Lower Upper
142 100
127 0.0 36.7 55.1#
141 5.2 11.8 17.8#

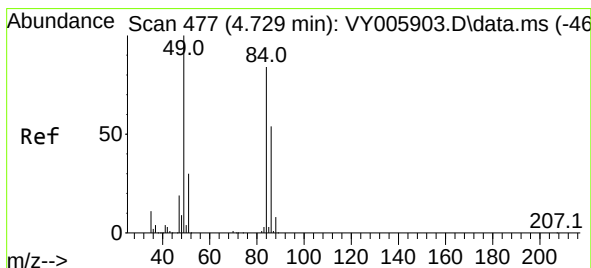
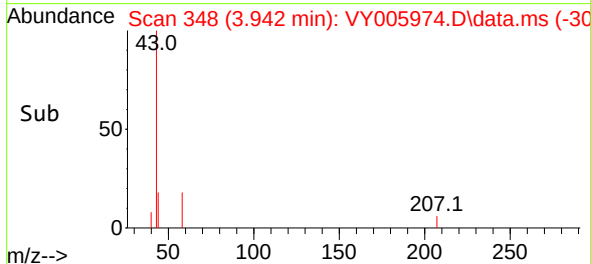
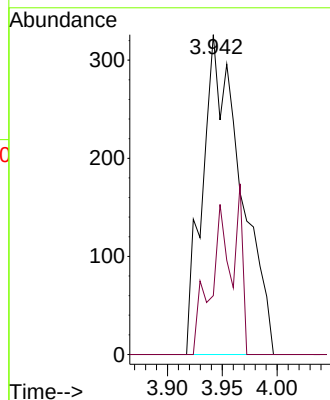
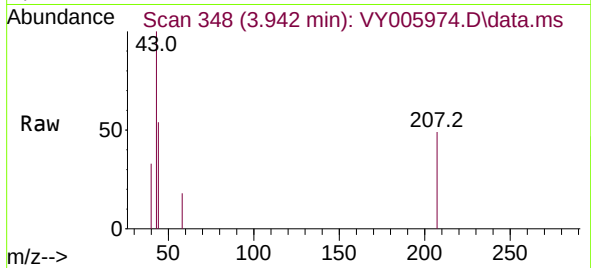




#16
Acetone
Concen: 35.186 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.013 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

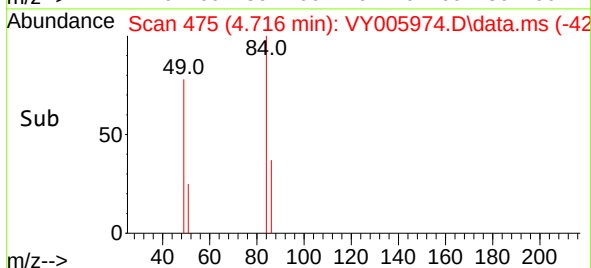
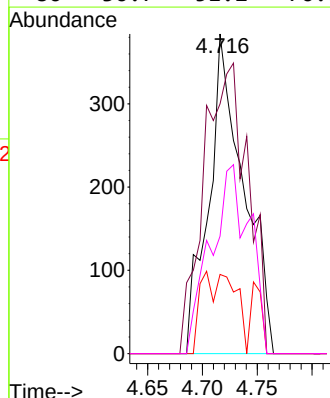
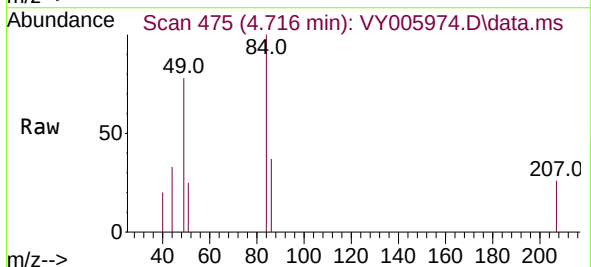
Instrument :
MSVOA_Y
ClientSampleId :

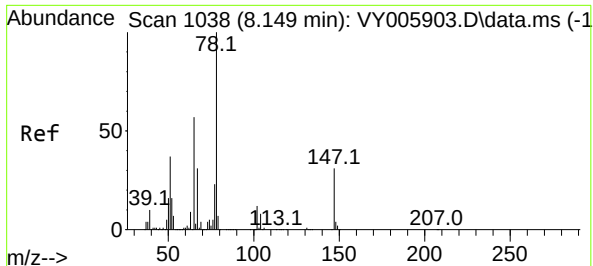
Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
58 18.4 25.1 37.7#



#20
Methylene Chloride
Concen: 5.418 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 84 Resp: 855
Ion Ratio Lower Upper
84 100
49 78.1 95.7 143.5#
51 24.7 29.0 43.6#
86 36.7 51.2 76.8#



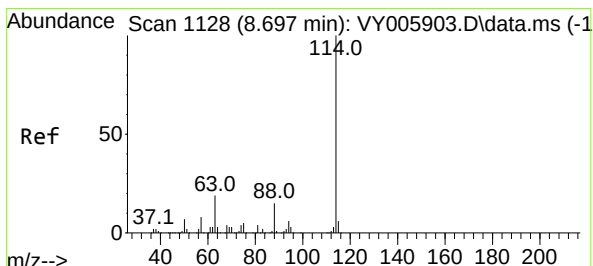
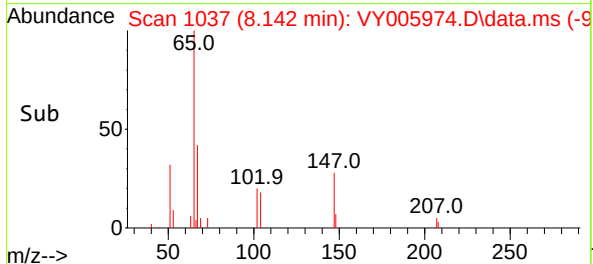
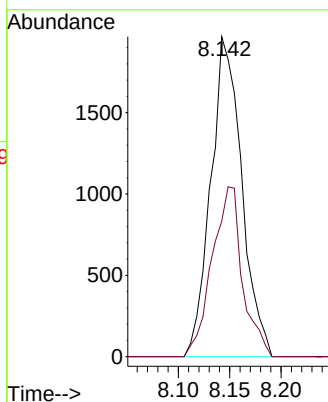
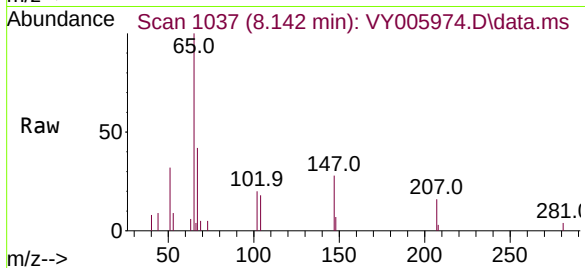


#33

1,2-Dichloroethane-d4
Concen: 46.558 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Instrument :
MSVOA_Y
ClientSampleId :

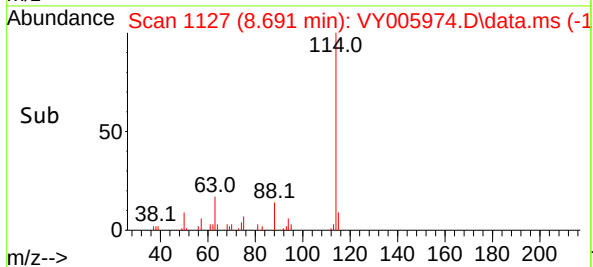
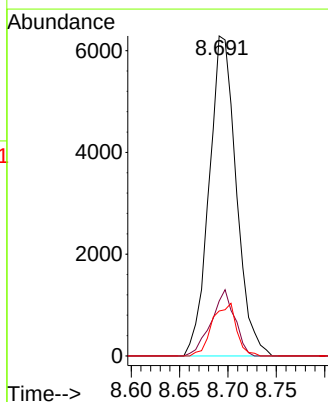
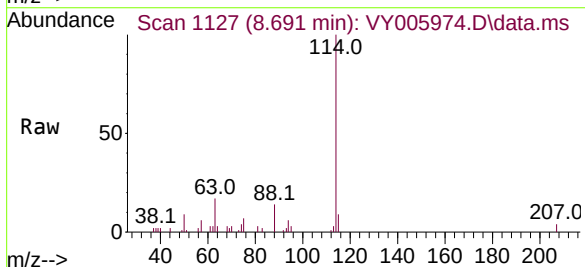
Tgt Ion: 65 Resp: 4110
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

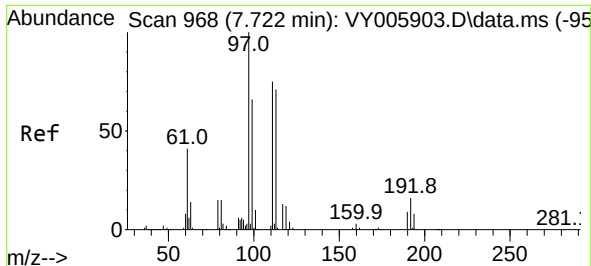


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 114 Resp: 12242
Ion Ratio Lower Upper
114 100
63 17.1 0.0 38.4
88 14.1 0.0 30.0

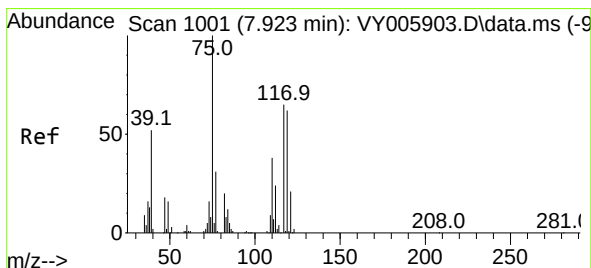
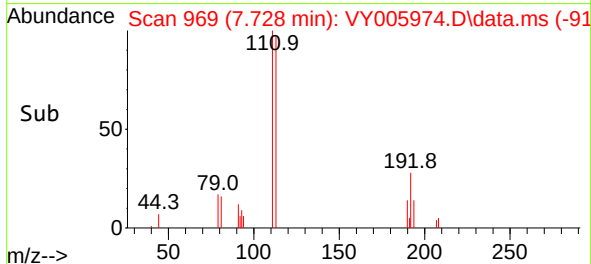
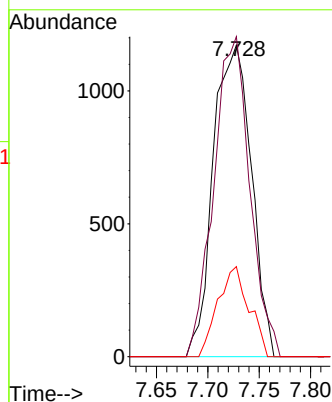
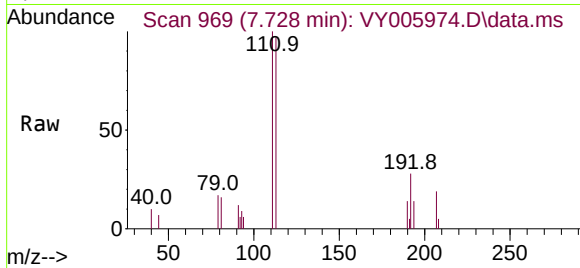




#35
Dibromofluoromethane
Concen: 44.000 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

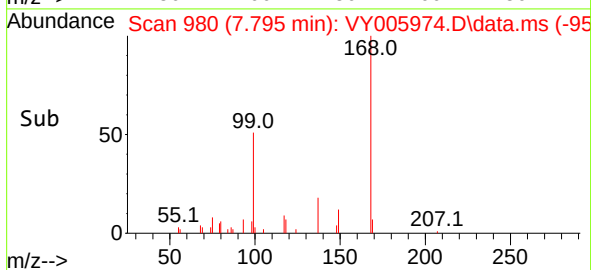
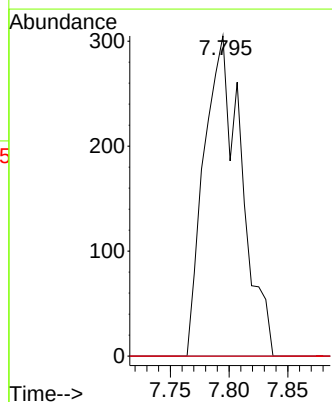
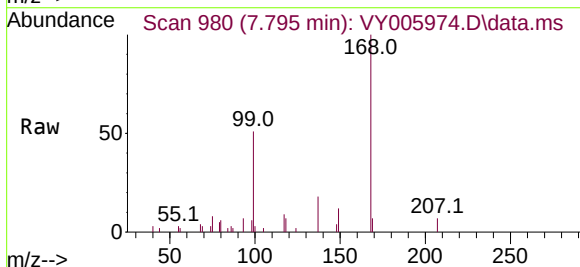
Instrument :
MSVOA_Y
ClientSampled :

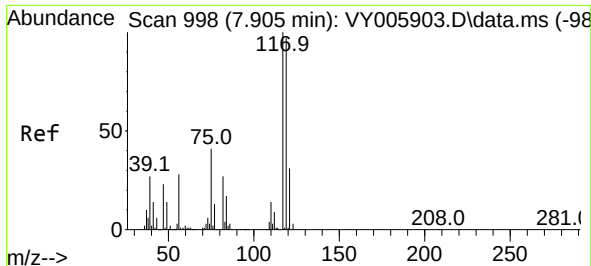
Tgt Ion:113 Resp: 3025
Ion Ratio Lower Upper
113 100
111 97.0 81.9 122.9
192 23.6 19.4 29.0



#36
1,1-Dichloropropene
Concen: 5.830 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 75 Resp: 672
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.3#
77 0.0 24.9 37.3#

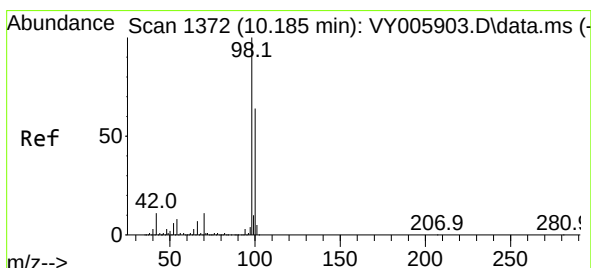
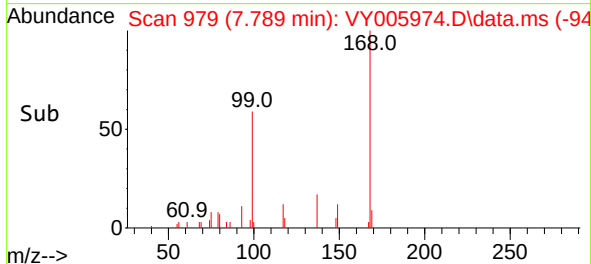
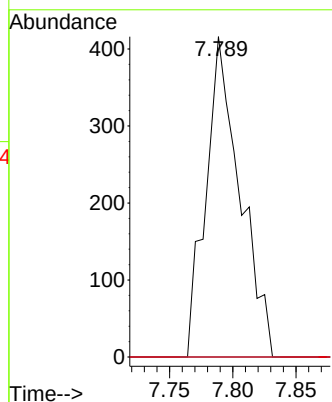
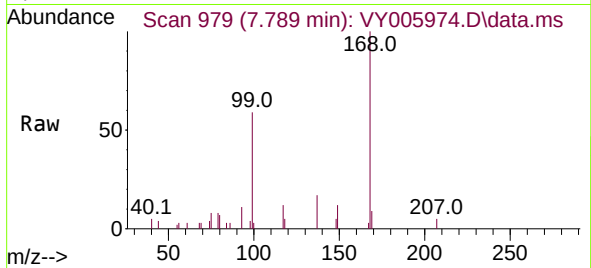




#38
Carbon Tetrachloride
Concen: 6.259 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

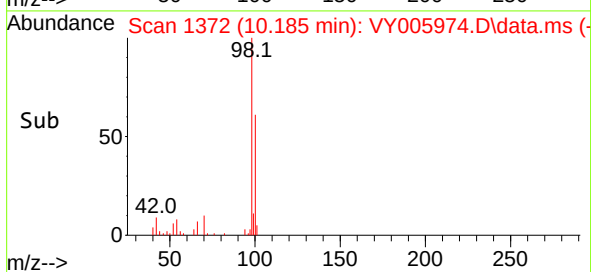
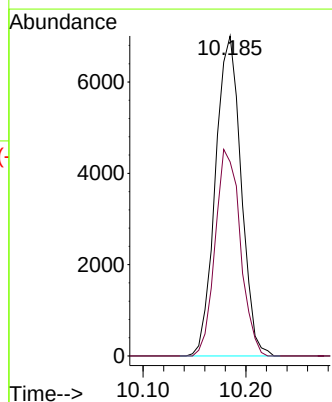
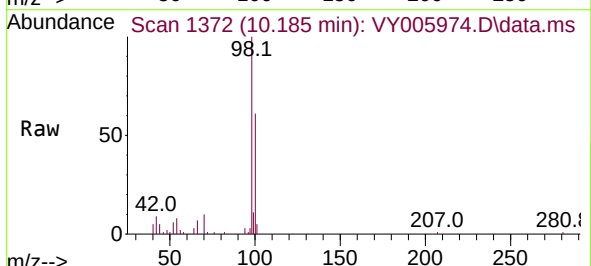
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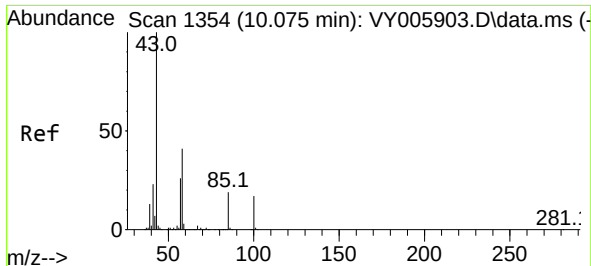
Tgt Ion:117 Resp: 782
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 42.102 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 98 Resp: 12148
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3

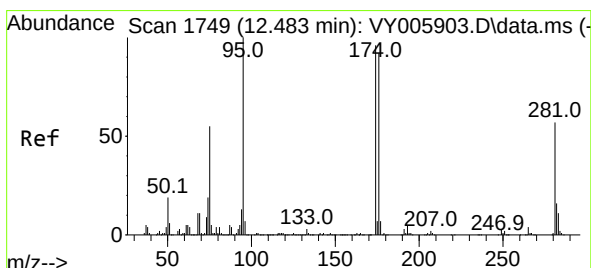
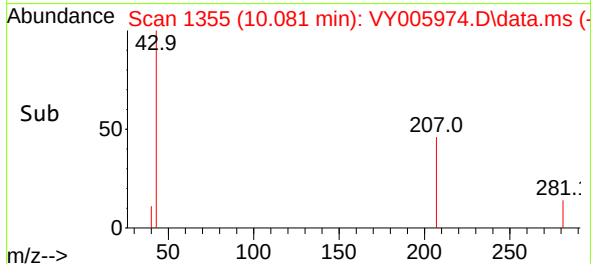
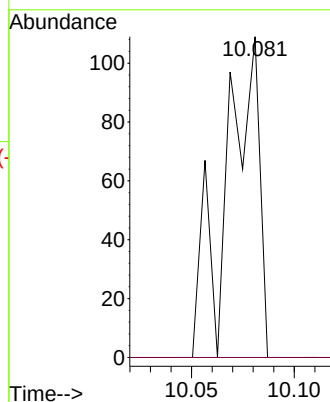
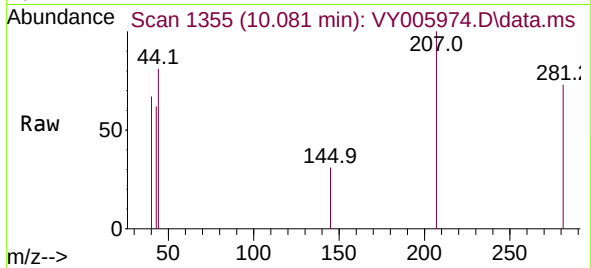




#51
4-Methyl-2-Pentanone
Concen: 1.821 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

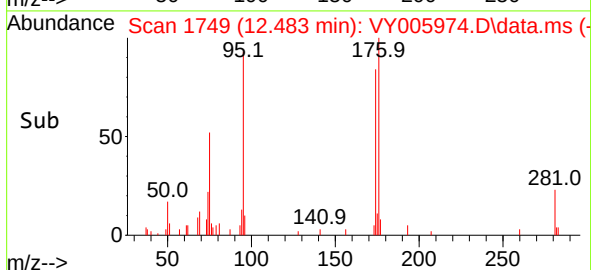
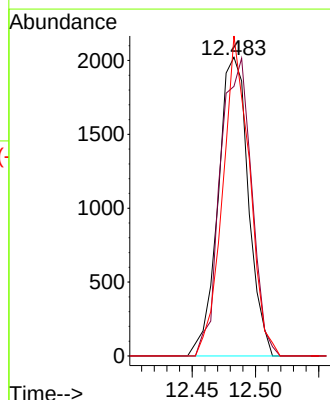
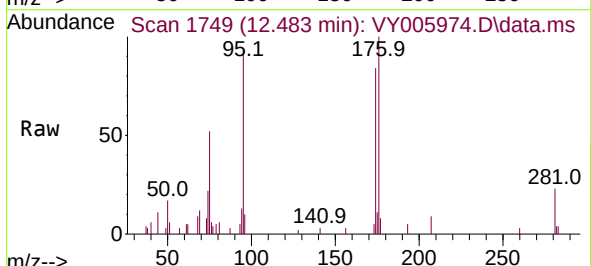
Instrument :
MSVOA_Y
ClientSampleId :

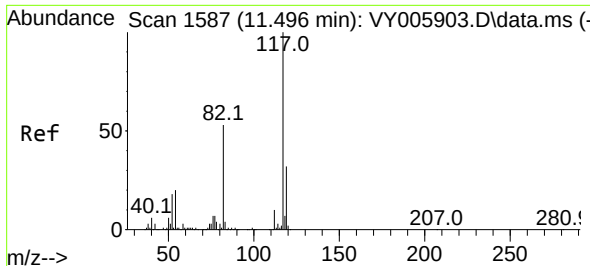
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#



#62
4-Bromofluorobenzene
Concen: 34.670 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 95 Resp: 3359
Ion Ratio Lower Upper
95 100
174 102.8 0.0 192.4
176 94.9 0.0 186.8

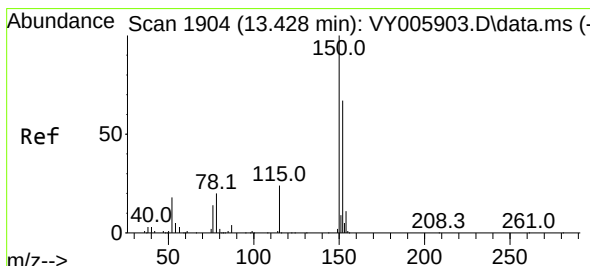
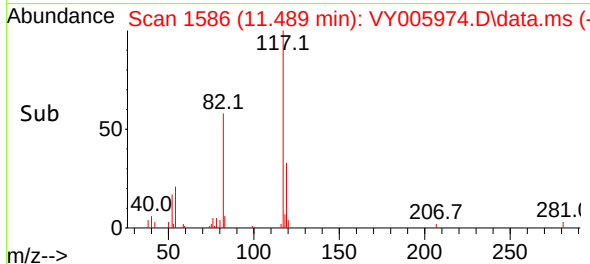
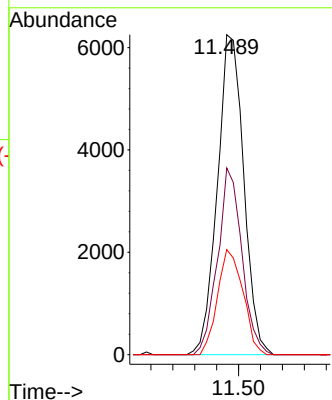
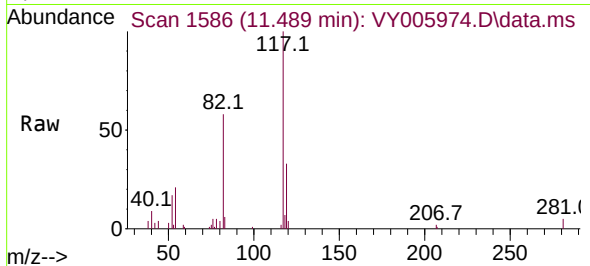




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

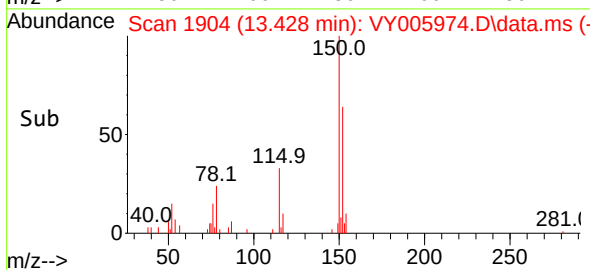
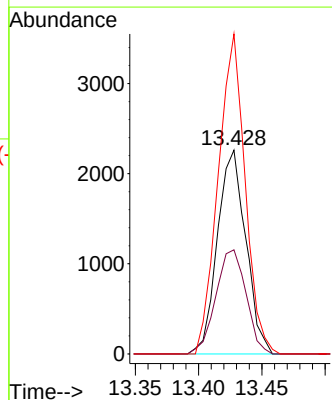
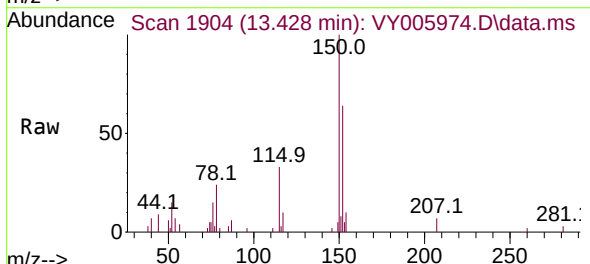
Instrument :
MSVOA_Y
ClientSampleId :

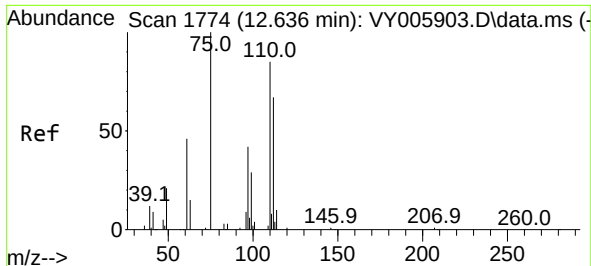
Tgt Ion:	117	Resp:	10445
Ion Ratio	Lower	Upper	
117	100		
82	58.4	42.4	63.6
119	32.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion:	152	Resp:	3529
Ion Ratio	Lower	Upper	
152	100		
115	54.2	26.8	80.4
150	149.0	0.0	345.6

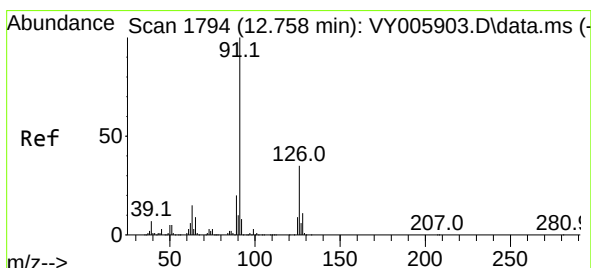
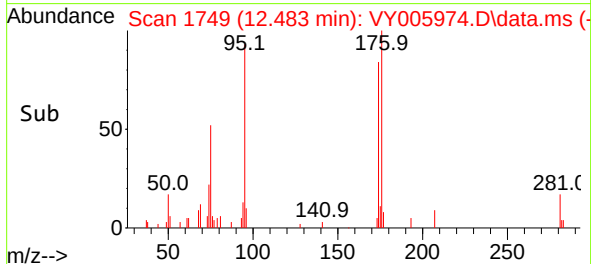
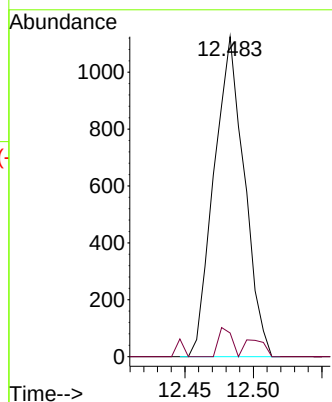
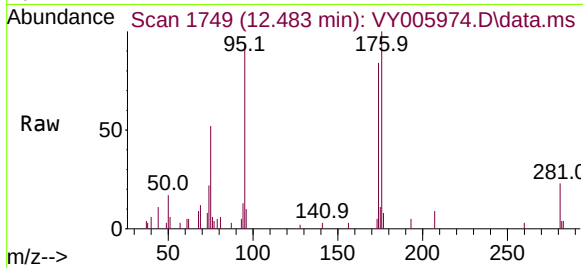




#76
1,2,3-Trichloropropane
Concen: 52.467 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

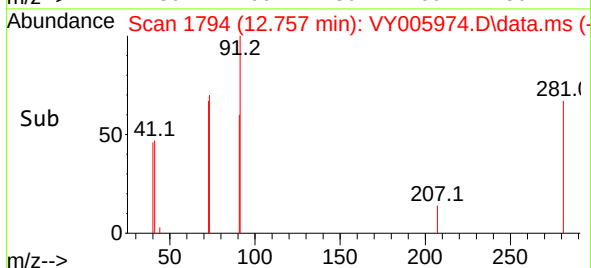
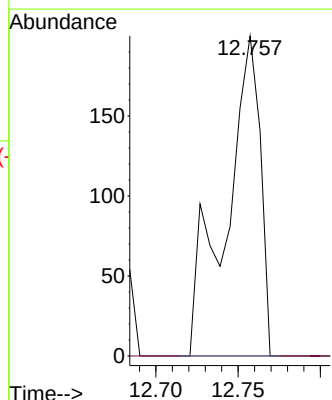
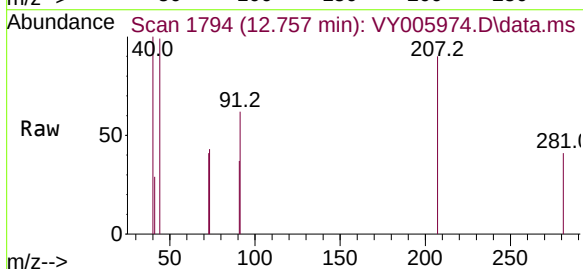
Instrument :
MSVOA_Y
ClientSampled :

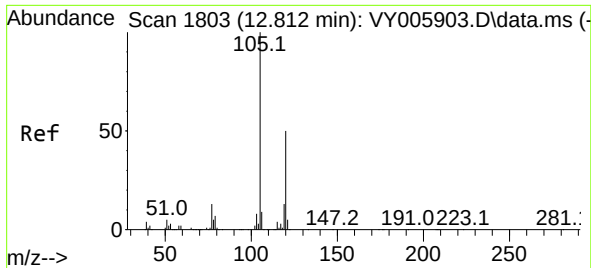
Tgt Ion: 75 Resp: 1733
Ion Ratio Lower Upper
75 100
77 3.9 0.0 0.0#



#79
2-Chlorotoluene
Concen: 1.866 ug/l
RT: 12.757 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 91 Resp: 292
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.4#

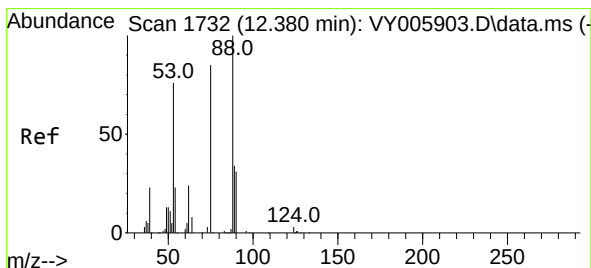
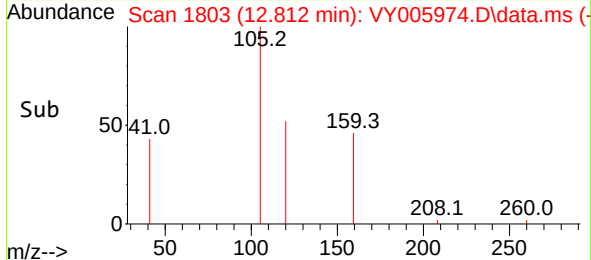
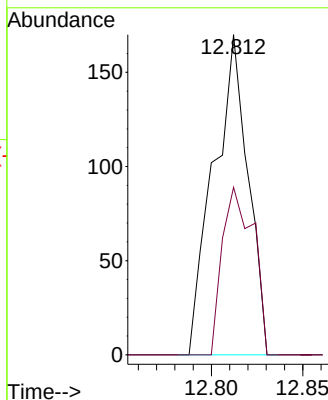
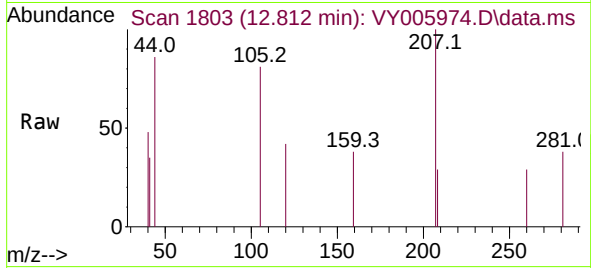




#80
1,3,5-Trimethylbenzene
Concen: 1.126 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

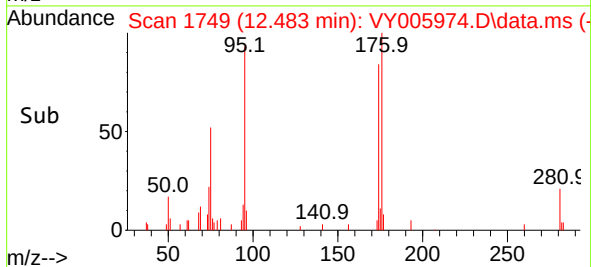
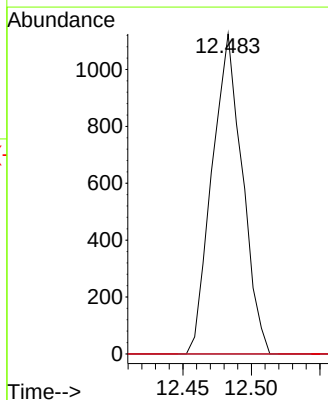
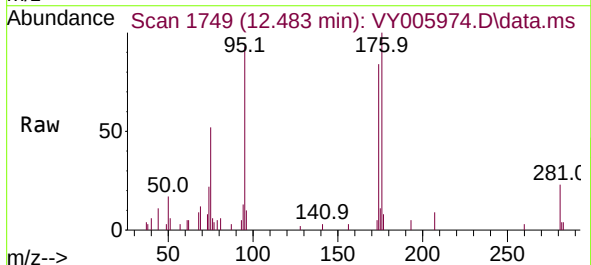
Instrument :
MSVOA_Y
ClientSampleId :

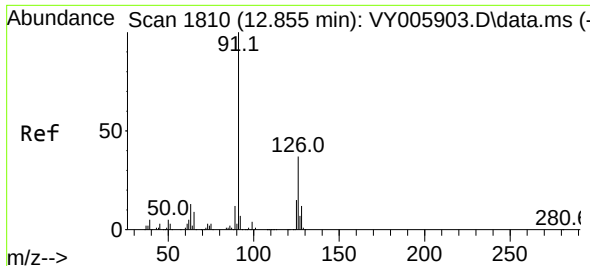
Tgt Ion:105 Resp: 222
Ion Ratio Lower Upper
105 100
120 47.3 25.2 75.6



#81
trans-1,4-Dichloro-2-butene
Concen: 99.781 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 75 Resp: 1733
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.0 35.8 53.6#

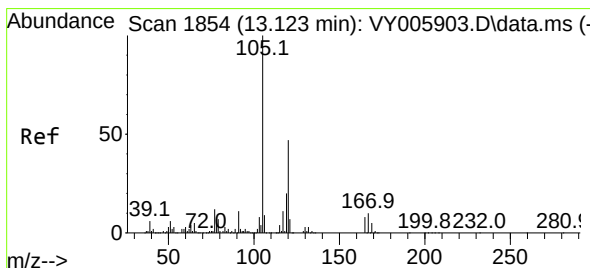
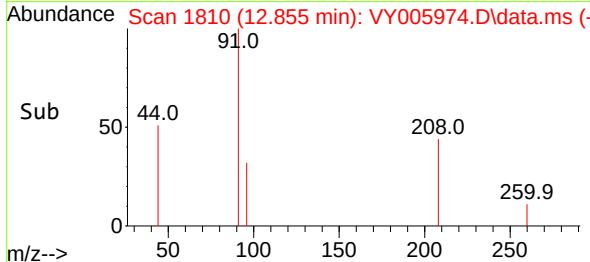
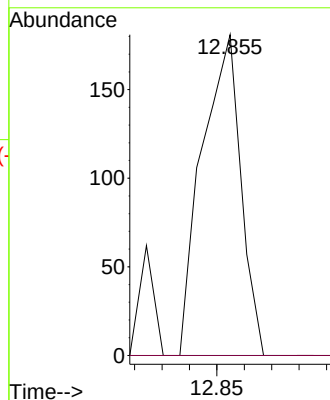
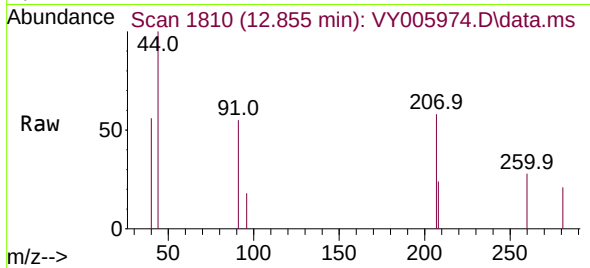




#82
4-Chlorotoluene
Concen: 1.084 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

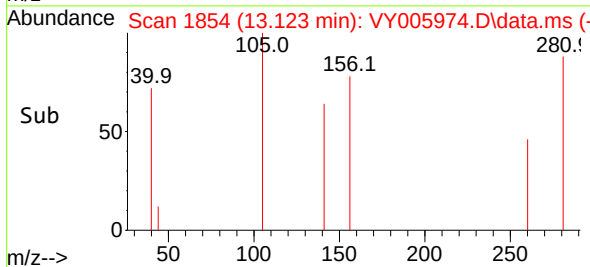
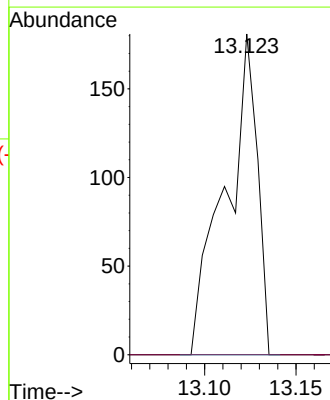
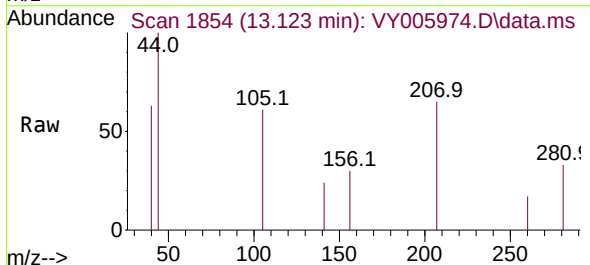
Instrument :
MSVOA_Y
ClientSampleId :

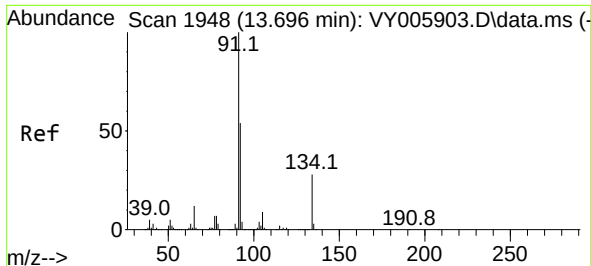
Tgt Ion: 91 Resp: 178
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.125 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 105 Resp: 220
Ion Ratio Lower Upper
105 100
120 0.0 23.3 69.9#

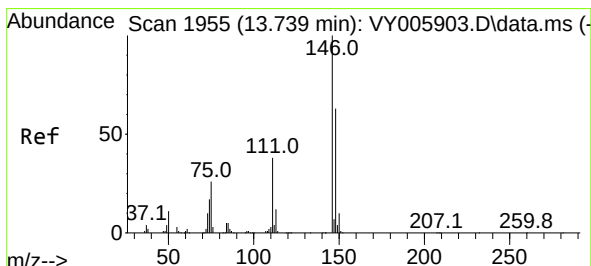
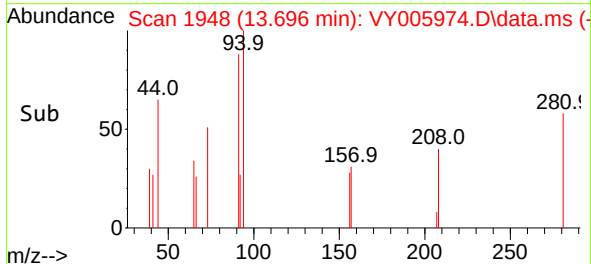
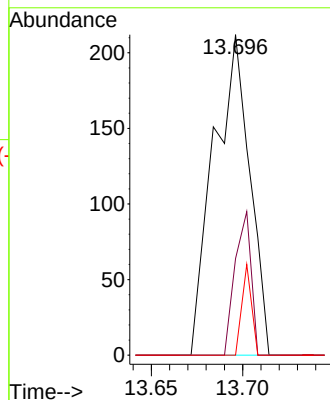
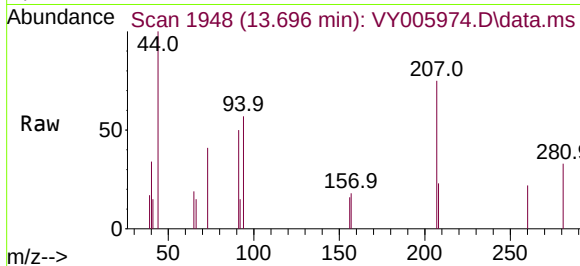




#89
n-Butylbenzene
Concen: 1.473 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

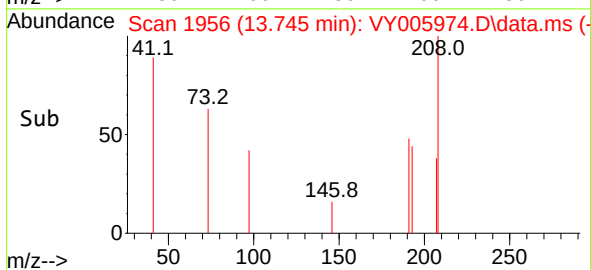
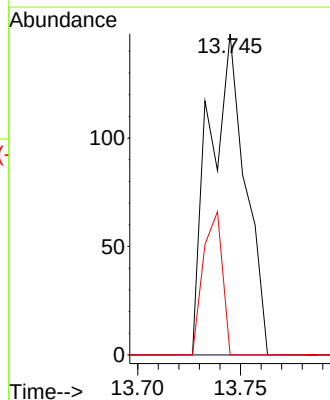
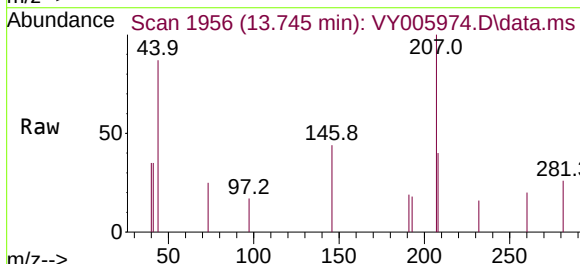
Instrument :
MSVOA_Y
ClientSampleId :

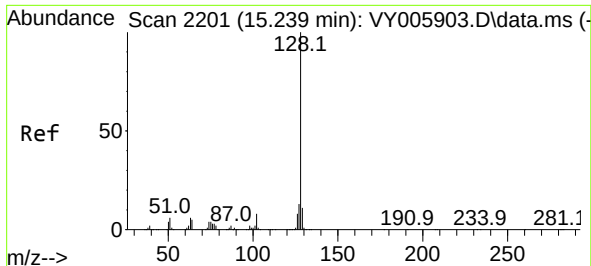
Tgt Ion: 91 Resp: 290
Ion Ratio Lower Upper
91 100
92 20.0 26.7 80.0#
134 7.6 14.1 42.2#



#91
1,2-Dichlorobenzene
Concen: 1.761 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion: 146 Resp: 180
Ion Ratio Lower Upper
146 100
111 0.0 19.4 58.2#
148 23.9 32.2 96.6#

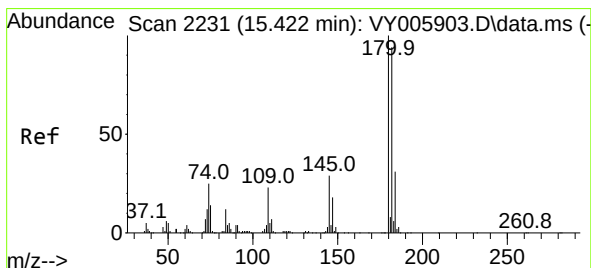
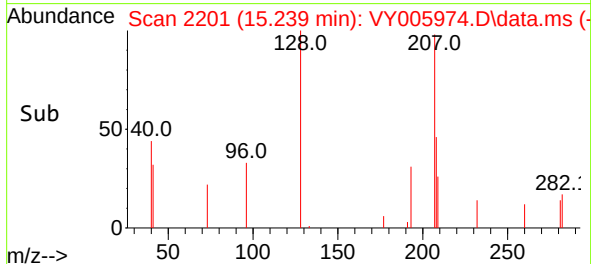
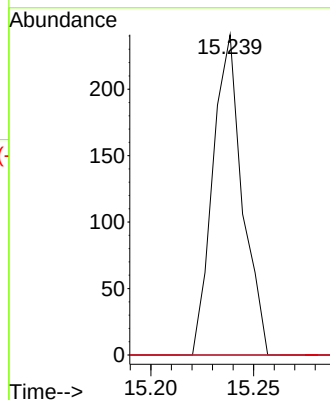
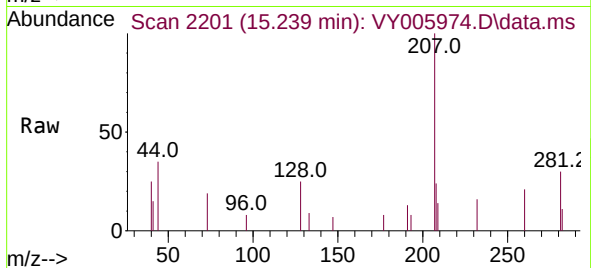




#95
Naphthalene
Concen: 1.818 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 241
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: 1.162 ug/l
RT: 15.421 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY005974.D
Acq: 09 Sep 2021 13:07

Tgt Ion:180 Resp: 70
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 14.2 42.8#

