

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
 Data File : VY004880.D
 Acq On : 26 May 2021 12:45
 Operator : SY/MD
 Sample : M2521-03
 Misc : 3.72G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-052521

Quant Time: May 27 01:14:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

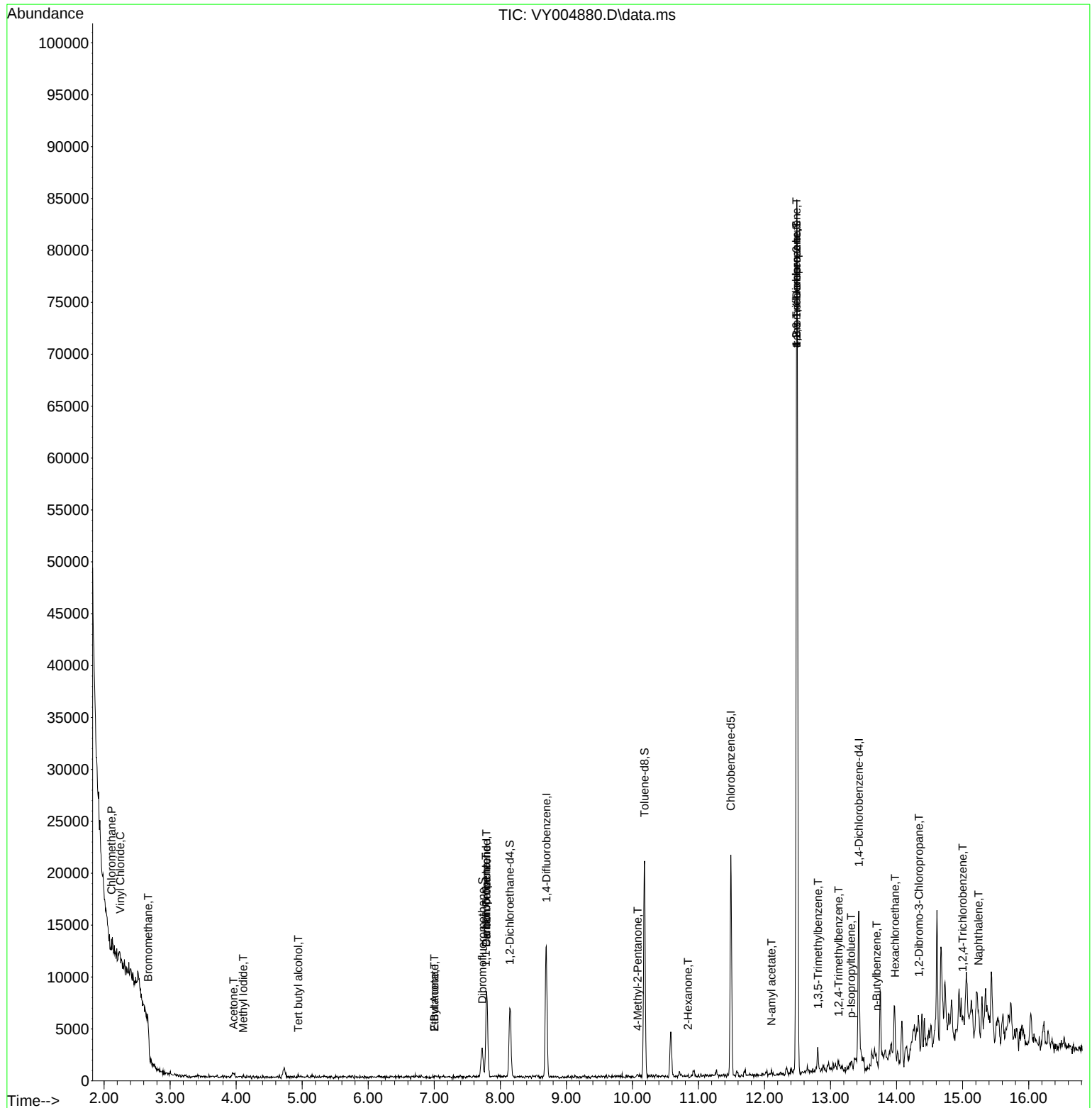
Internal Standards						
1) Pentafluorobenzene	7.789	168	6265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	10265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	10724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3384	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5458	73.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.38%			
35) Dibromofluoromethane	7.728	113	2097	37.32	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 74.64%			
50) Toluene-d8	10.185	98	13697	53.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.92%			
62) 4-Bromofluorobenzene	12.483	95	4185	48.85	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.70%			
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	410	4.41	ug/l #	86
4) Vinyl Chloride	2.247	62	430	4.52	ug/l #	43
5) Bromomethane	2.668	94	263	5.42	ug/l	95
10) Methyl Iodide	4.107	142	155	2.26	ug/l #	38
11) Tert butyl alcohol	4.942	59	61	8.14	ug/l #	71
16) Acetone	3.960	43	712	42.51	ug/l #	78
20) Methylene Chloride	4.722	84	594	Below Cal	#	86
25) 2-Butanone	7.003	43	86	2.89	ug/l #	51
36) 1,1-Dichloropropene	7.783	75	550	5.23	ug/l #	42
37) Ethyl Acetate	7.003	43	86	1.19	ug/l #	72
38) Carbon Tetrachloride	7.789	117	658	6.96	ug/l #	12
51) 4-Methyl-2-Pentanone	10.081	43	186	2.58	ug/l #	39
59) 2-Hexanone	10.843	43	109	2.23	ug/l #	27
74) N-amyl acetate	12.105	43	432	4.79	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	2814	78.29	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	389	1.83	ug/l #	64
81) trans-1,4-Dichloro-2-b...	12.483	75	2814	135.75	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.123	105	569	2.68	ug/l	87
86) p-Isopropyltoluene	13.312	119	332	1.46	ug/l	84
89) n-Butylbenzene	13.696	91	424	1.90	ug/l #	38
90) Hexachloroethane	13.977	117	191	5.95	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.337	75	21	2.21	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.001	180	160	2.49	ug/l #	1
95) Naphthalene	15.239	128	651	4.68	ug/l #	73

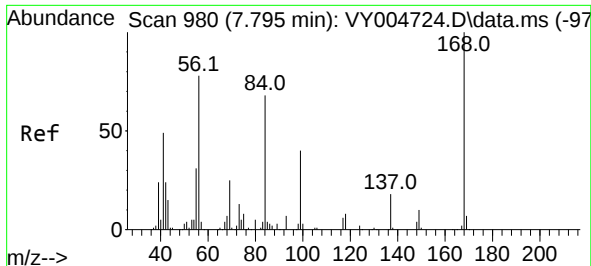
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 27 01:14:32 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
QLast Update : Tue May 11 04:13:44 2021
Response via : Initial Calibration

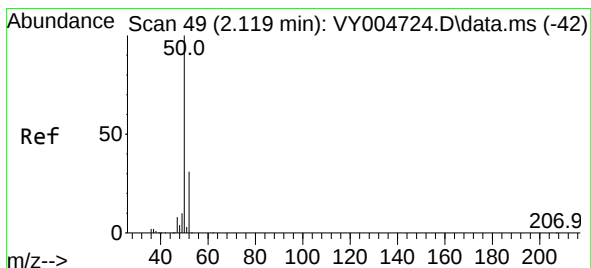
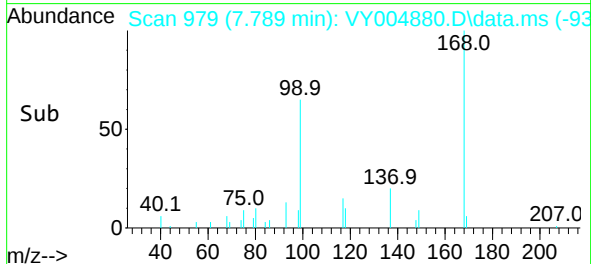
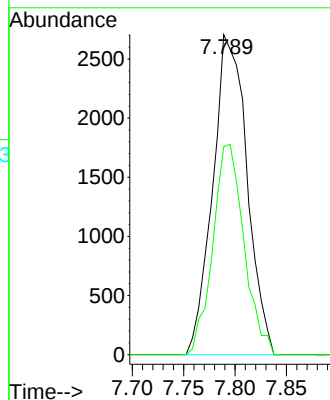
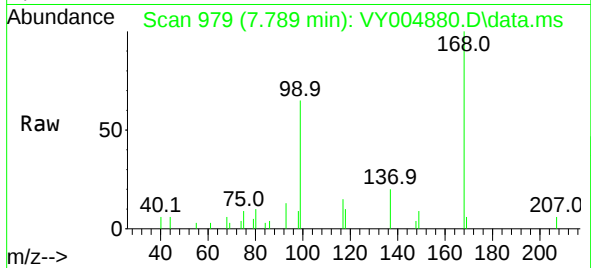




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

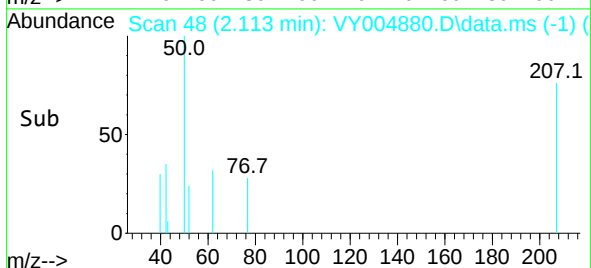
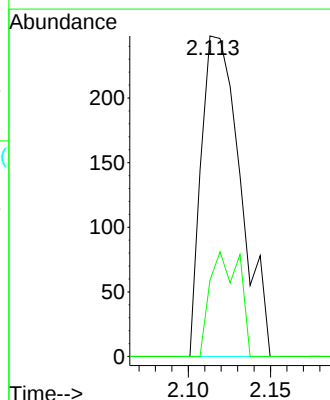
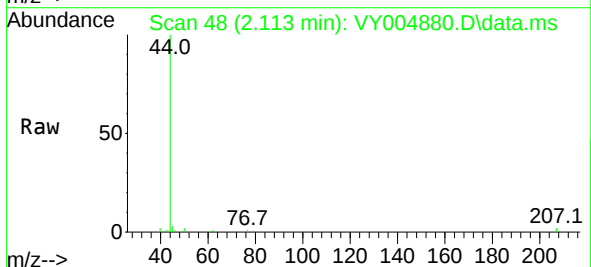
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

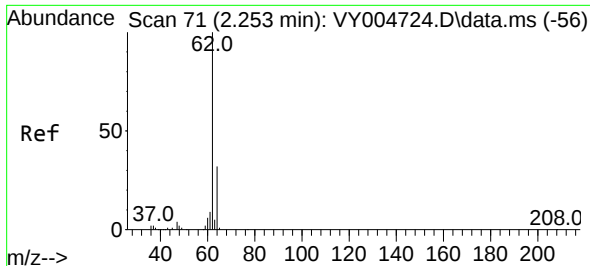
Tgt Ion:168 Resp: 6265
Ion Ratio Lower Upper
168 100
99 65.0 45.6 68.4



#3
Chloromethane
Concen: 4.41 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion: 50 Resp: 410
Ion Ratio Lower Upper
50 100
52 23.8 25.0 37.6#

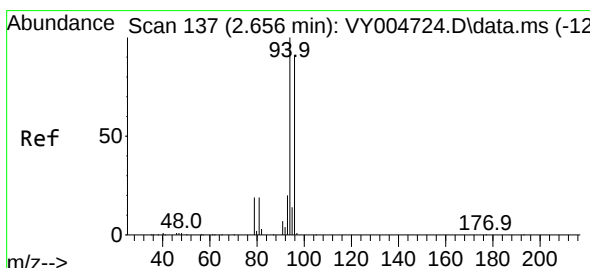
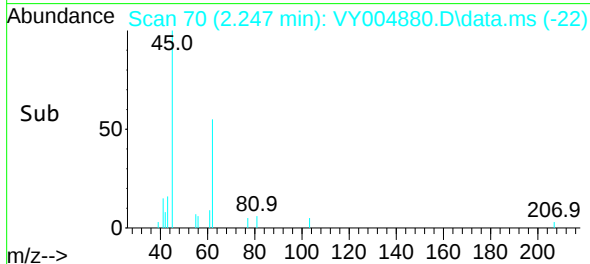
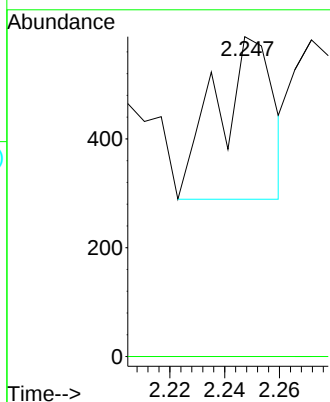
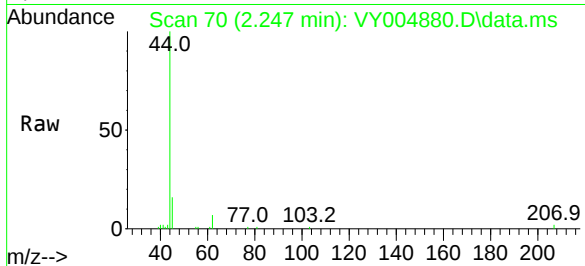




#4
 Vinyl Chloride
 Concen: 4.52 ug/l
 RT: 2.247 min Scan# 70
 Delta R.T. -0.006 min
 Lab File: VY004880.D
 Acq: 26 May 2021 12:45

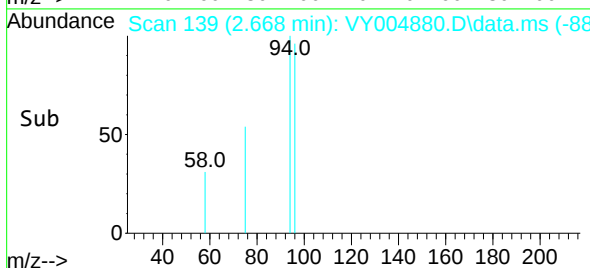
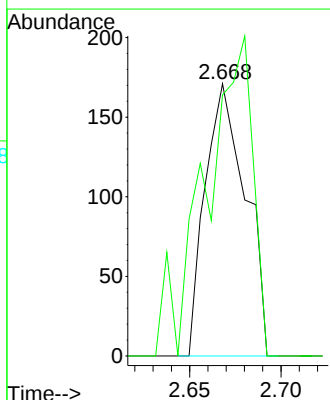
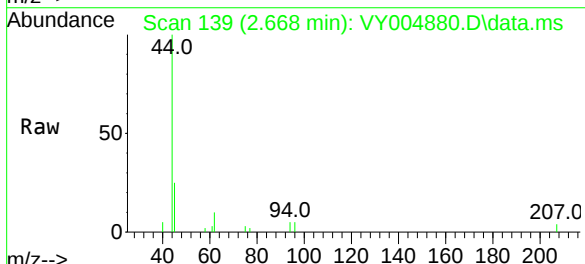
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-052521

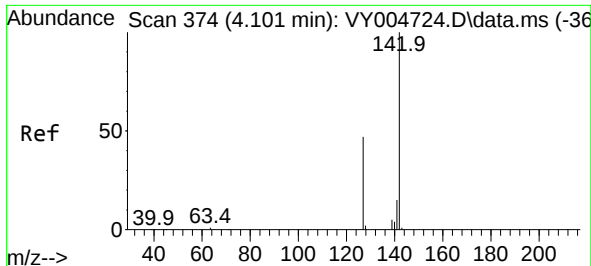
Tgt Ion: 62 Resp: 430
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.2#



#5
 Bromomethane
 Concen: 5.42 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.012 min
 Lab File: VY004880.D
 Acq: 26 May 2021 12:45

Tgt Ion: 94 Resp: 263
 Ion Ratio Lower Upper
 94 100
 96 95.9 72.6 109.0





#10

Methyl Iodide

Concen: 2.26 ug/l

RT: 4.107 min Scan# 375

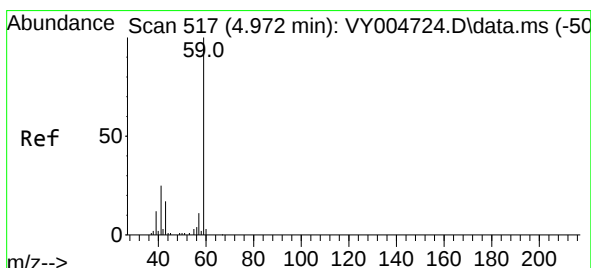
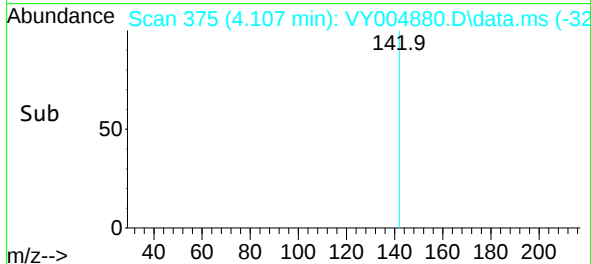
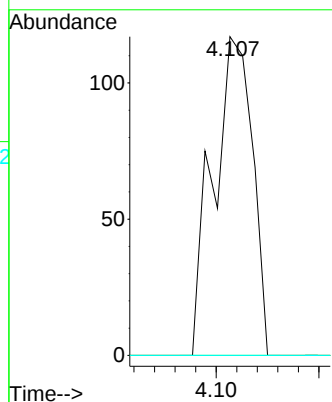
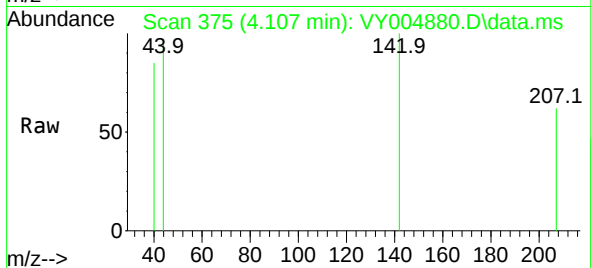
Delta R.T. 0.006 min

Lab File: VY004880.D

Acq: 26 May 2021 12:45

Tgt Ion:	142	Resp:	155
Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.1	55.7#
141	0.0	11.9	17.9#

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521



#11

Tert butyl alcohol

Concen: 8.14 ug/l

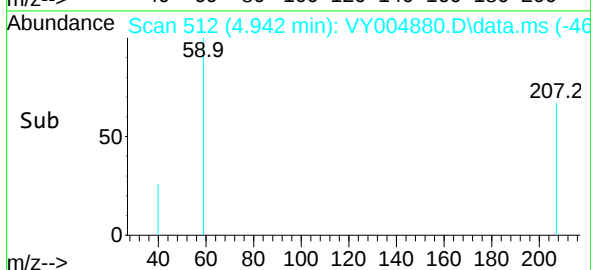
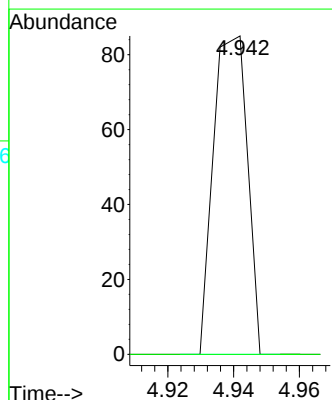
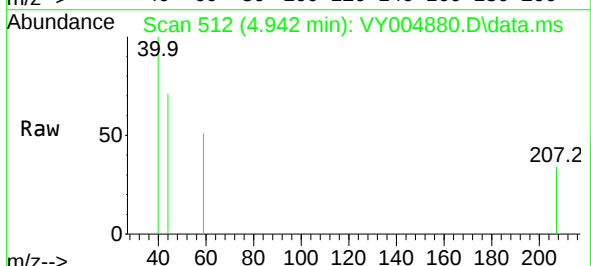
RT: 4.942 min Scan# 512

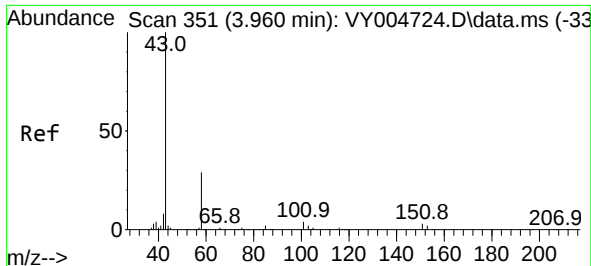
Delta R.T. -0.030 min

Lab File: VY004880.D

Acq: 26 May 2021 12:45

Tgt Ion:	59	Resp:	61
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

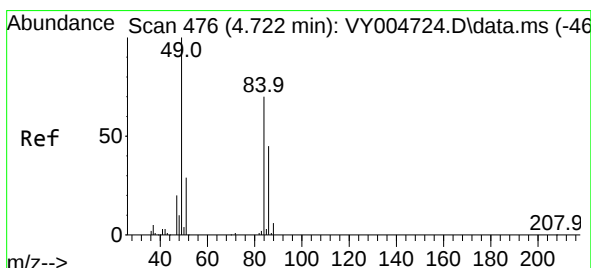
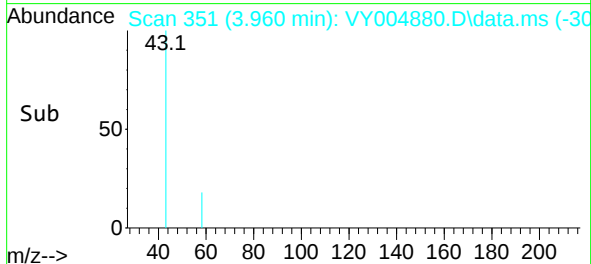
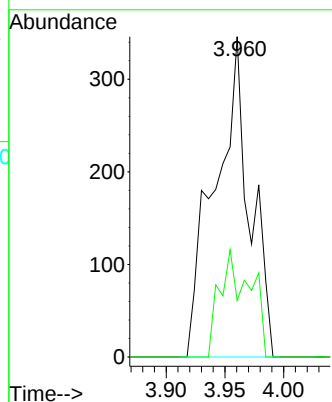
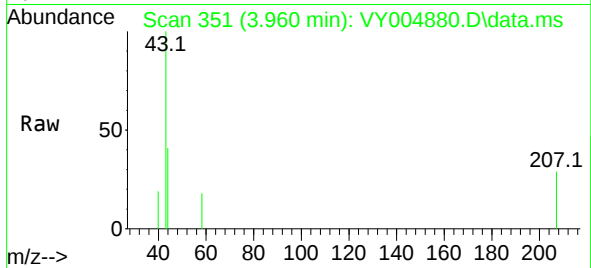




#16
Acetone
Concen: 42.51 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

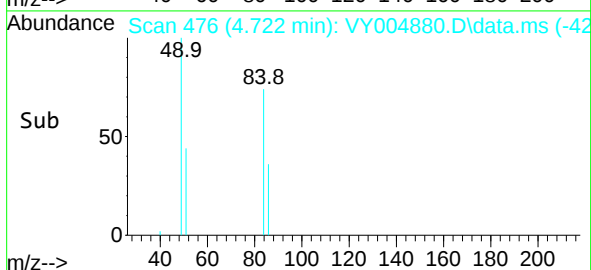
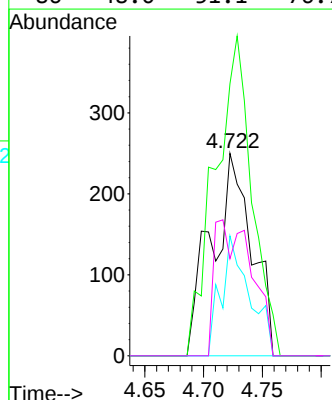
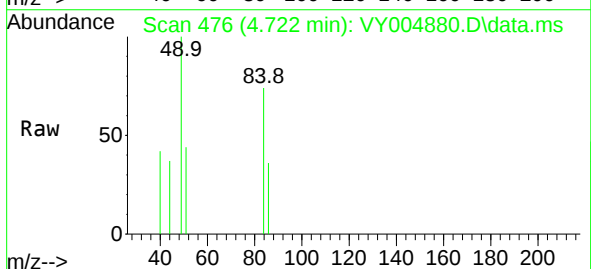
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

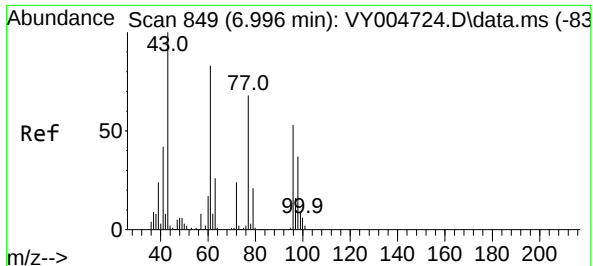
Tgt Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
58 17.6 23.6 35.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion: 84 Resp: 594
Ion Ratio Lower Upper
84 100
49 134.4 113.8 170.8
51 59.2 33.5 50.3#
86 48.0 51.1 76.7#

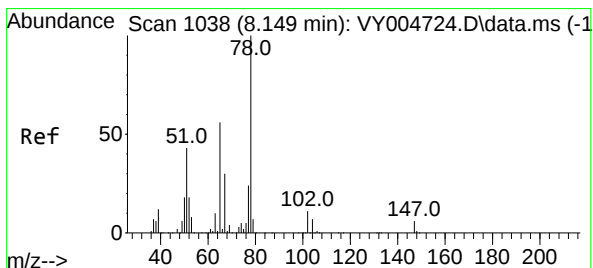
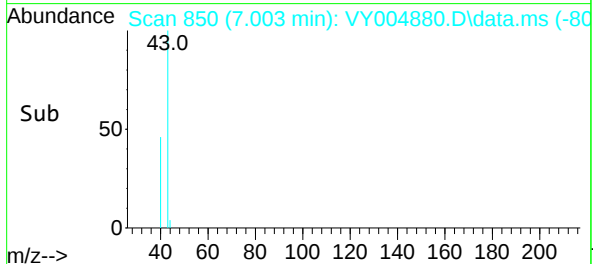
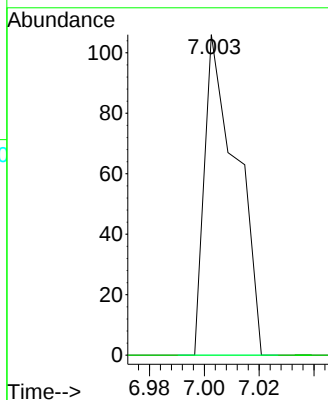
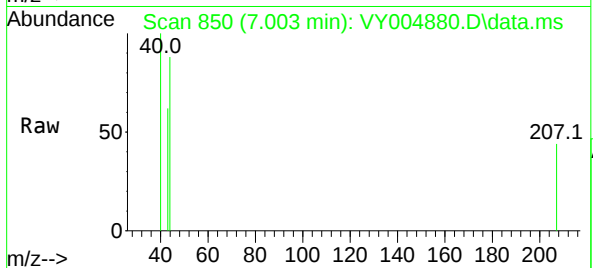




#25
2-Butanone
Concen: 2.89 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

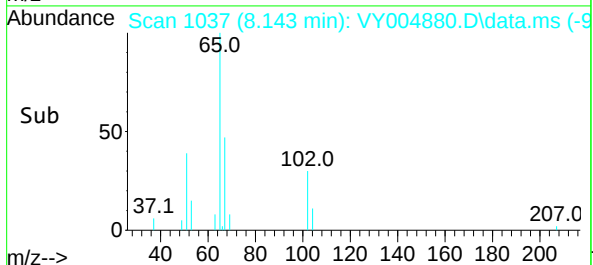
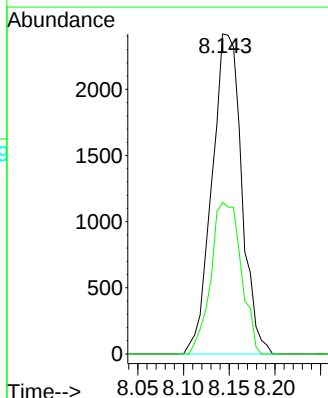
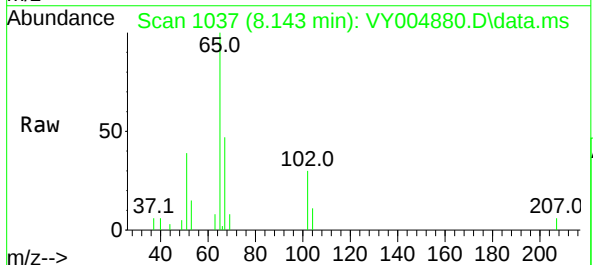
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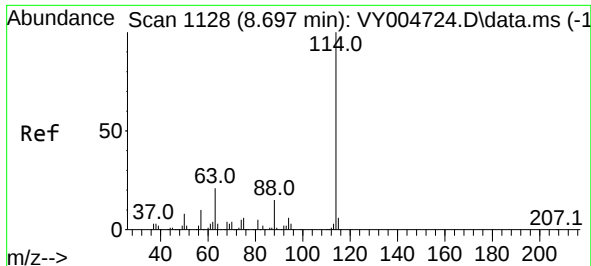
Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#



#33
1,2-Dichloroethane-d4
Concen: 73.19 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion: 65 Resp: 5458
Ion Ratio Lower Upper
65 100
67 48.1 0.0 108.0

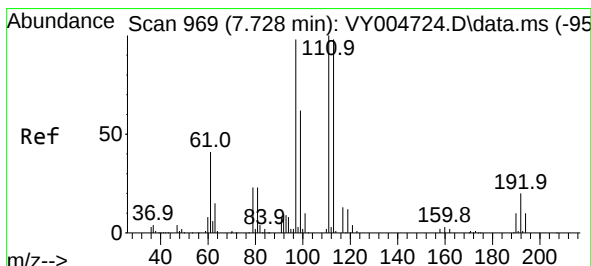
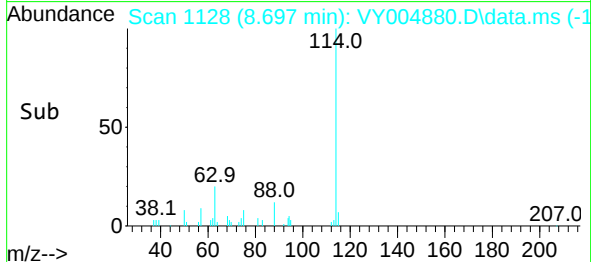
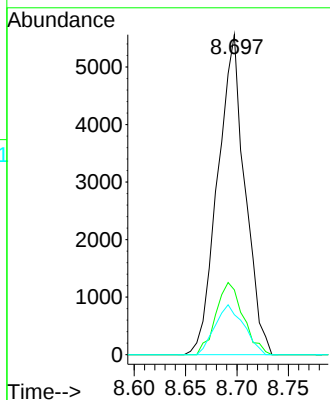
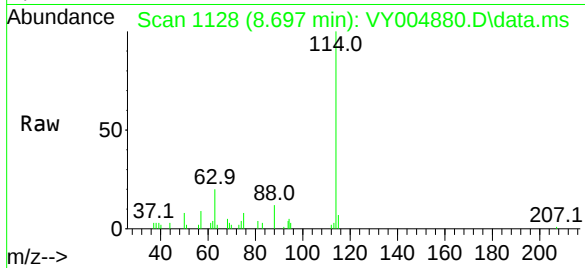




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

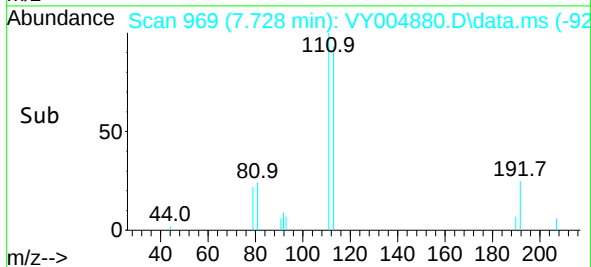
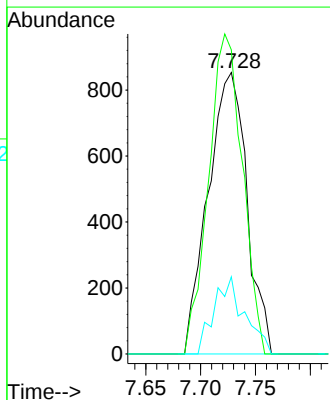
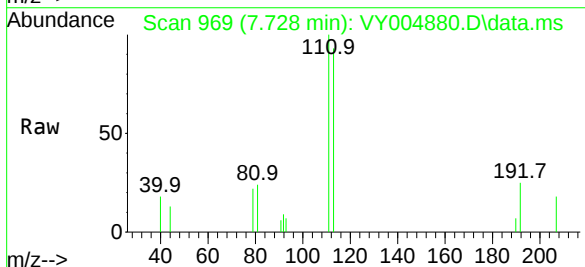
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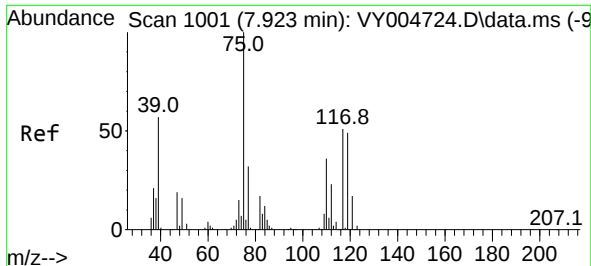
Tgt Ion:	114	Resp:	10265
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.8
88	12.5	0.0	31.0



#35
Dibromofluoromethane
Concen: 37.32 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

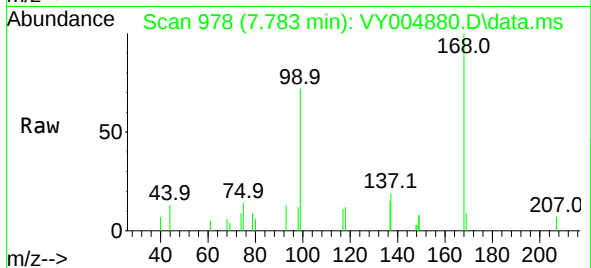
Tgt Ion:	113	Resp:	2097
Ion	Ratio	Lower	Upper
113	100		
111	99.4	80.5	120.7
192	21.6	15.0	22.6



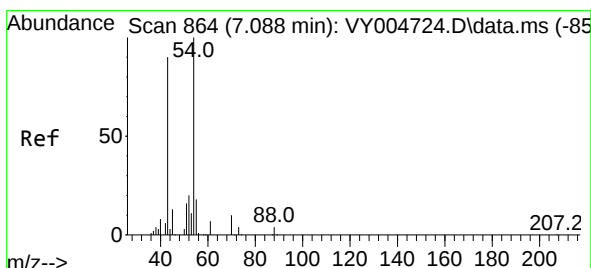
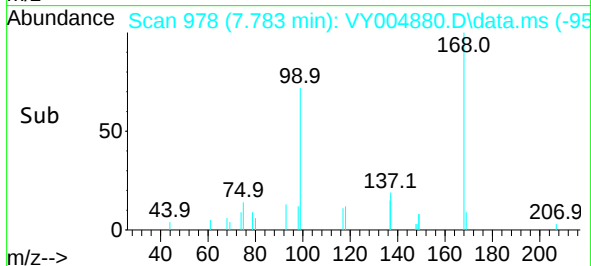
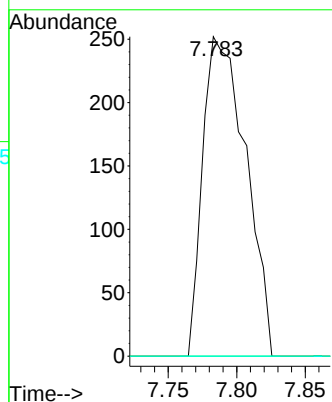


#36
1,1-Dichloropropene
Concen: 5.23 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

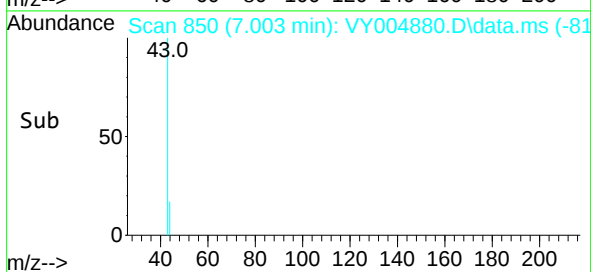
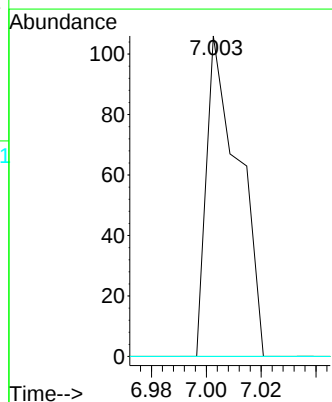
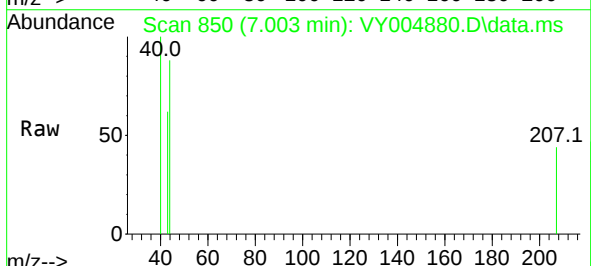


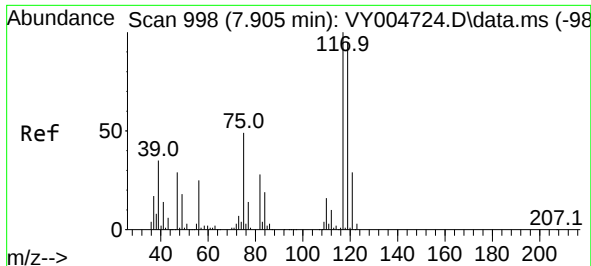
Tgt Ion: 75	Resp: 550
Ion Ratio	Lower Upper
75 100	
110 0.0	17.0 50.9#
77 0.0	25.0 37.4#



#37
Ethyl Acetate
Concen: 1.19 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

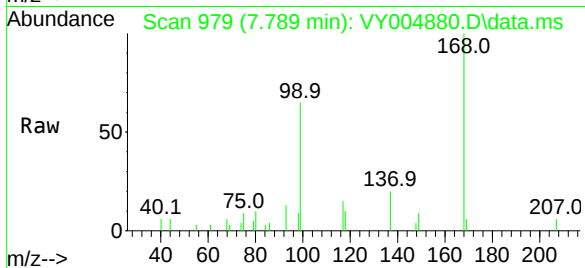
Tgt Ion: 43	Resp: 86
Ion Ratio	Lower Upper
43 100	
61 0.0	9.9 14.9#
70 0.0	6.7 10.1#



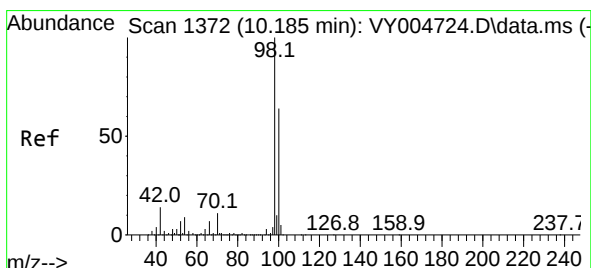
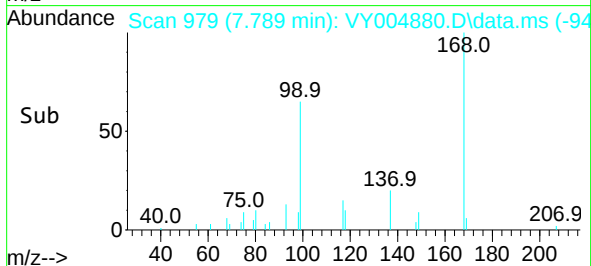
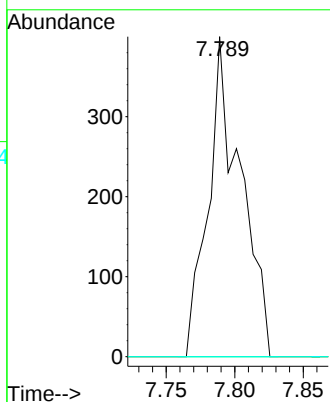


#38
Carbon Tetrachloride
Concen: 6.96 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

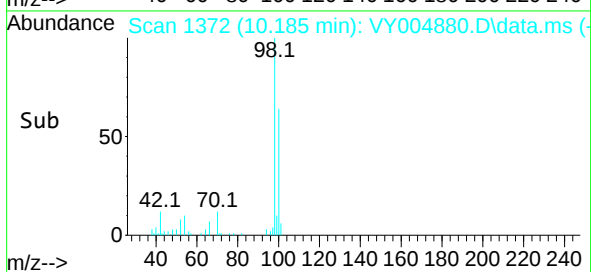
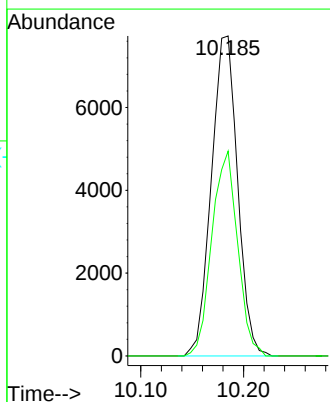
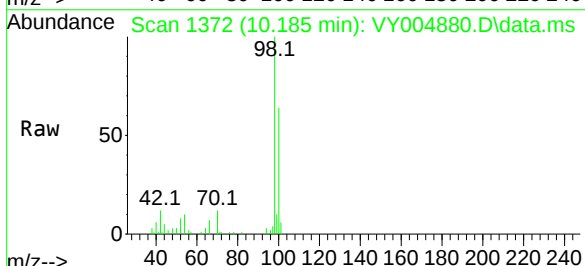


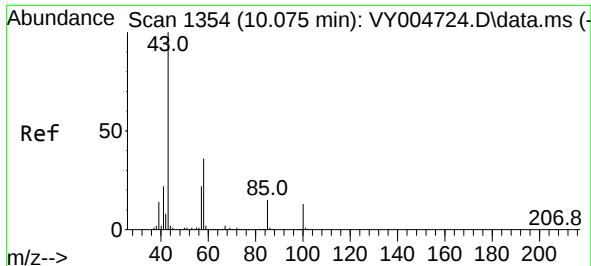
Tgt Ion:117 Resp: 658
Ion Ratio Lower Upper
117 100
119 0.0 76.3 114.5#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 53.96 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion: 98 Resp: 13697
Ion Ratio Lower Upper
98 100
100 62.9 51.5 77.3

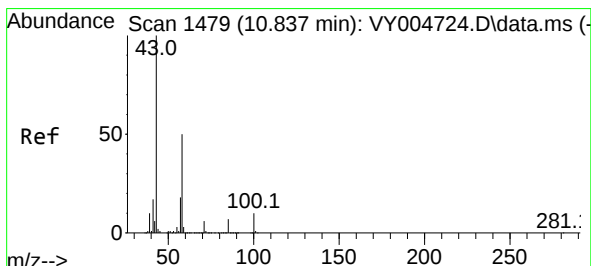
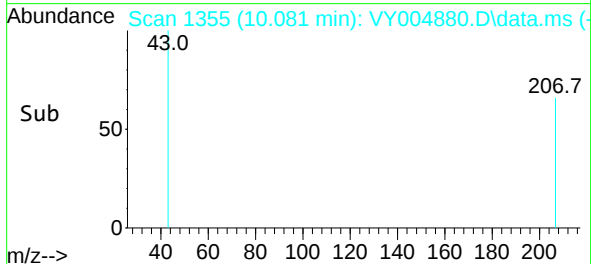
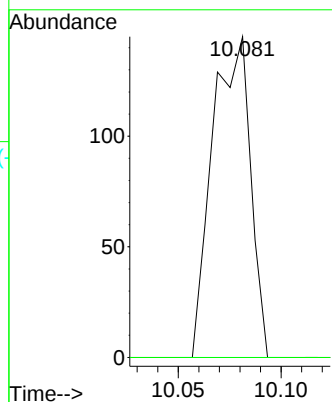
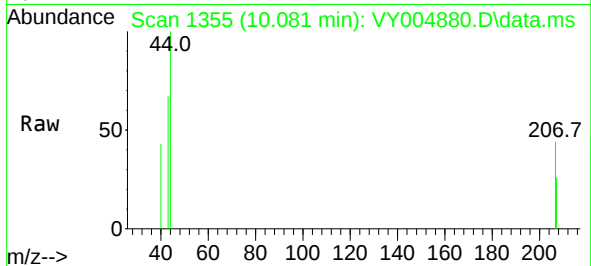




#51
4-Methyl-2-Pentanone
Concen: 2.58 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

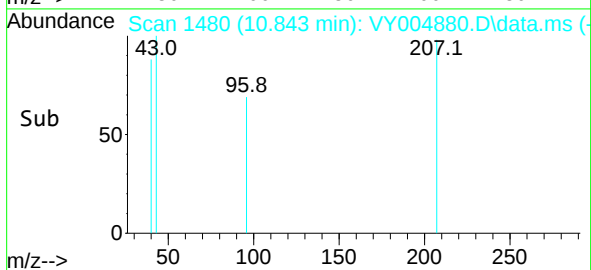
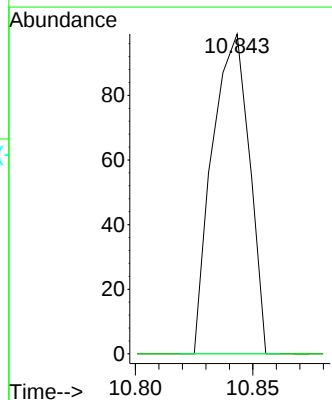
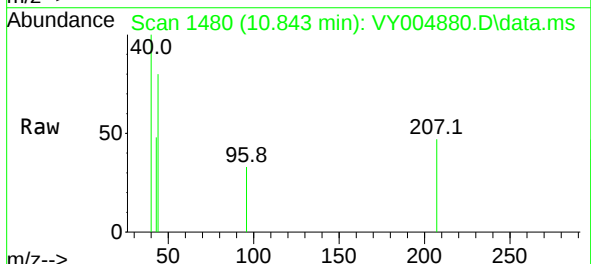
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

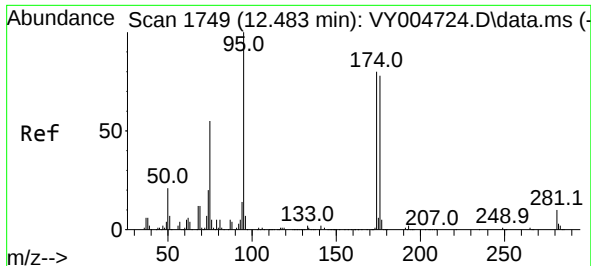
Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#



#59
2-Hexanone
Concen: 2.23 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.8#

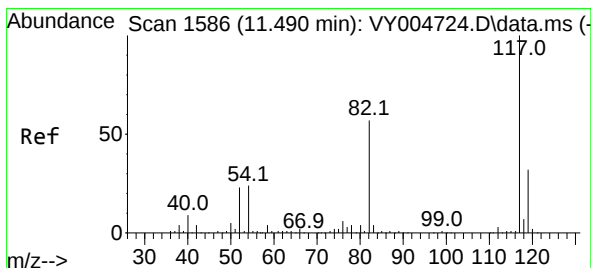
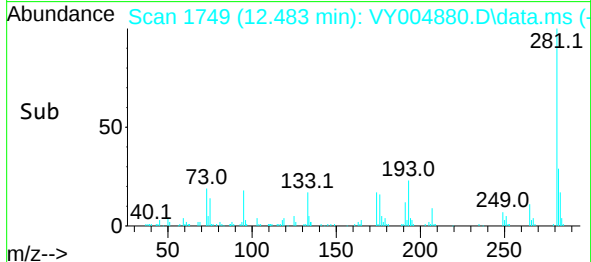
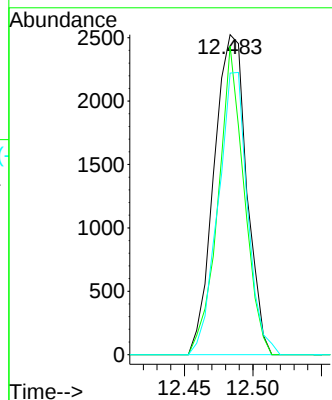
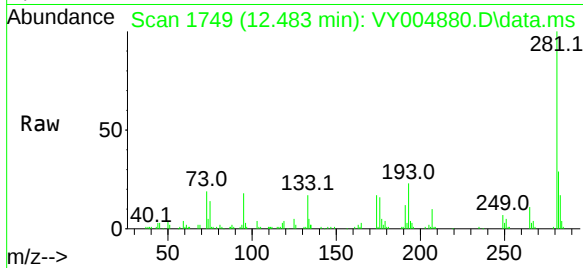




#62
4-Bromofluorobenzene
Concen: 48.85 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

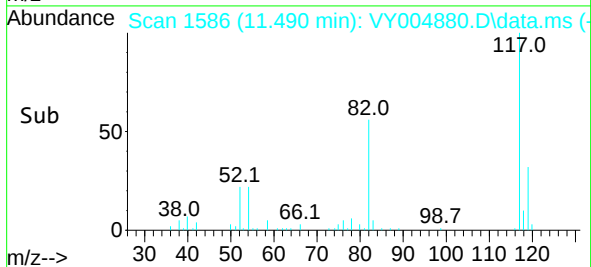
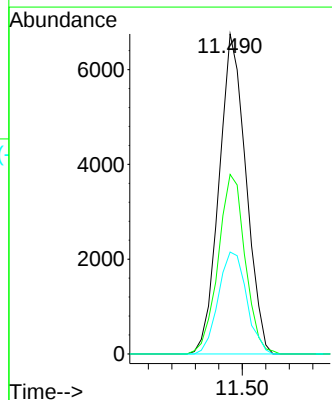
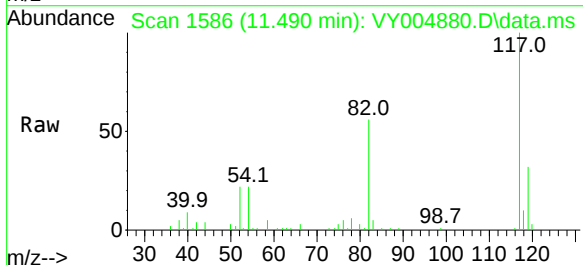
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

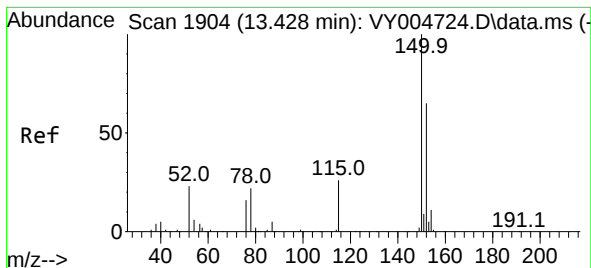
Tgt Ion: 95 Resp: 4185
Ion Ratio Lower Upper
95 100
174 76.5 0.0 164.2
176 79.6 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion: 117 Resp: 10724
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 31.8 25.8 38.6

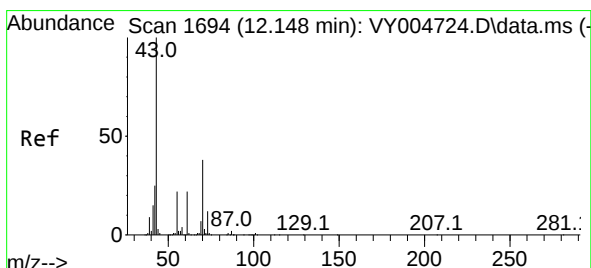
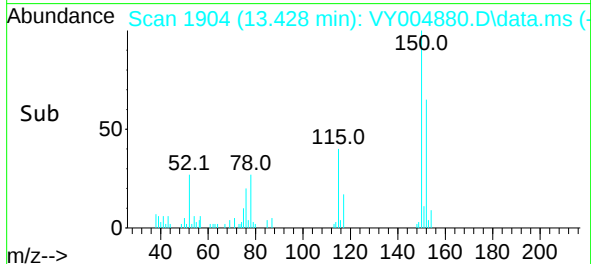
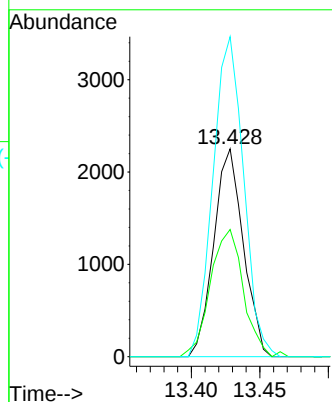
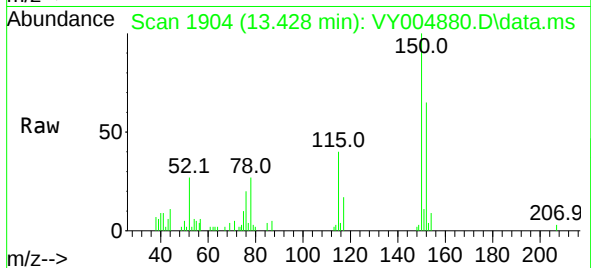




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

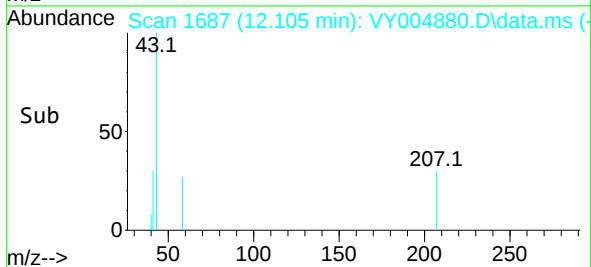
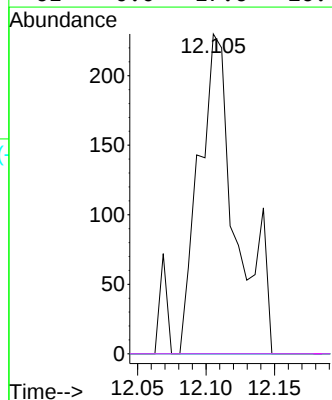
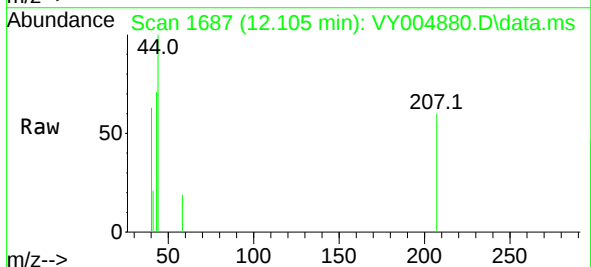
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

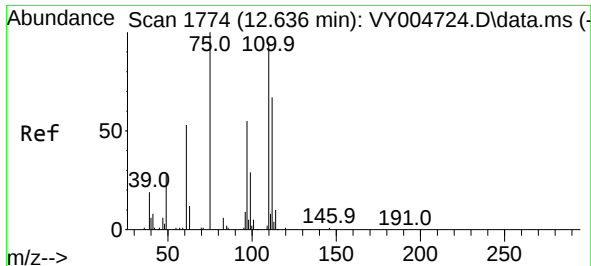
Tgt Ion:152 Resp: 3384
Ion Ratio Lower Upper
152 100
115 68.2 29.4 88.3
150 159.2 0.0 349.8



#74
N-ethyl acetate
Concen: 4.79 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.043 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
70 0.0 30.2 45.2#
55 0.0 17.8 26.8#
61 0.0 17.6 26.4#

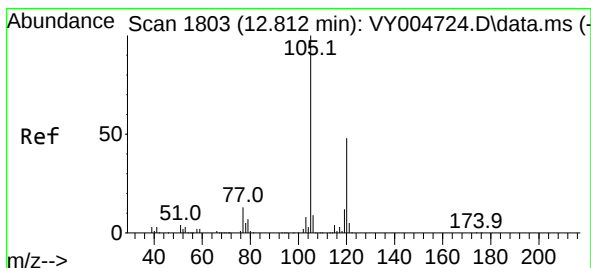
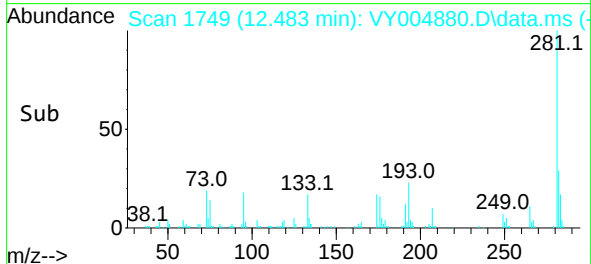
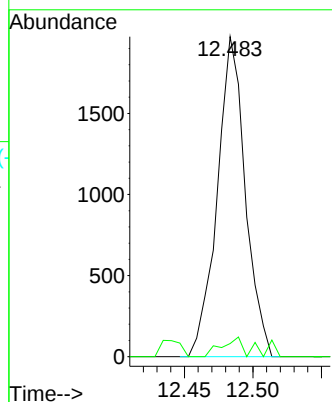
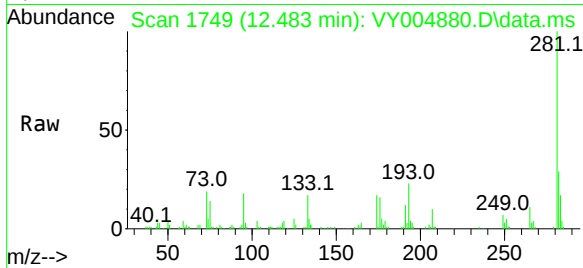




#76
1,2,3-Trichloropropane
Concen: 78.29 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

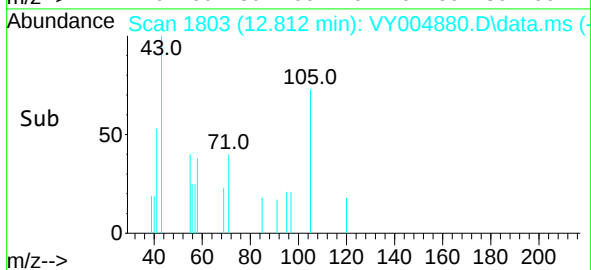
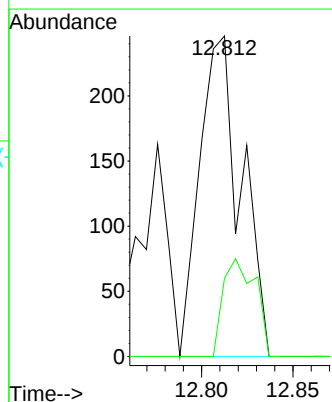
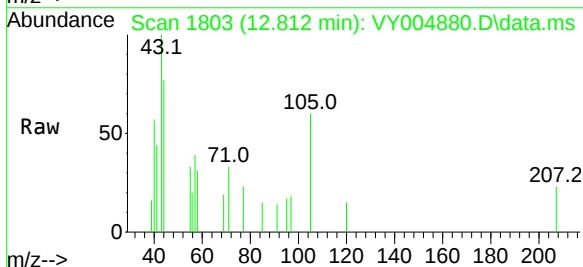
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

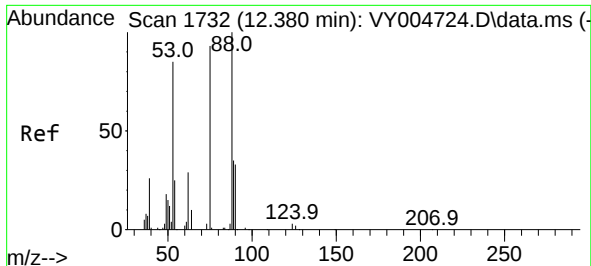
Tgt Ion: 75 Resp: 2814
Ion Ratio Lower Upper
75 100
77 4.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.83 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

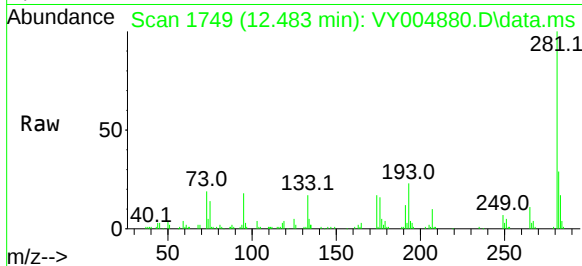
Tgt Ion: 105 Resp: 389
Ion Ratio Lower Upper
105 100
120 23.7 24.0 72.0#



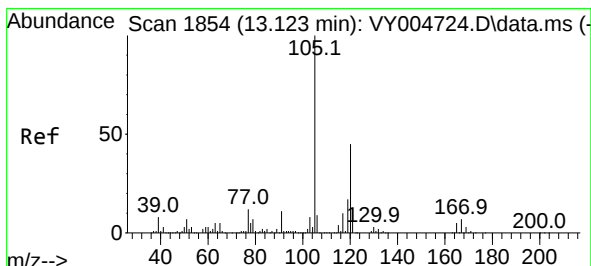
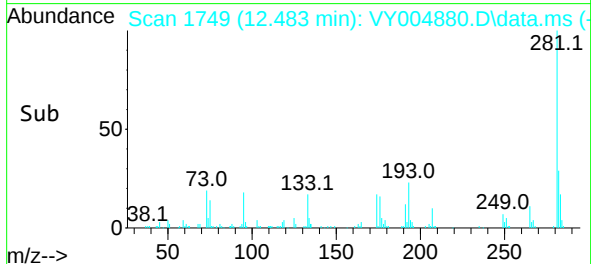
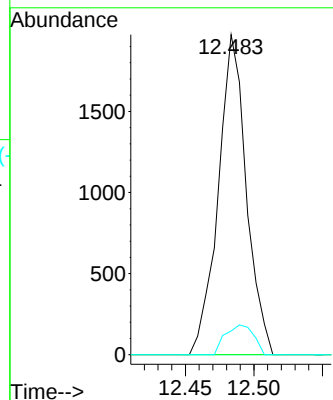


#81
trans-1,4-Dichloro-2-butene
Concen: 135.75 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

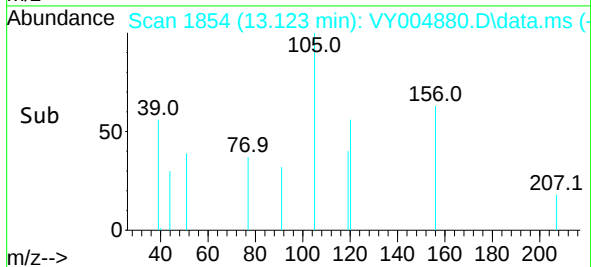
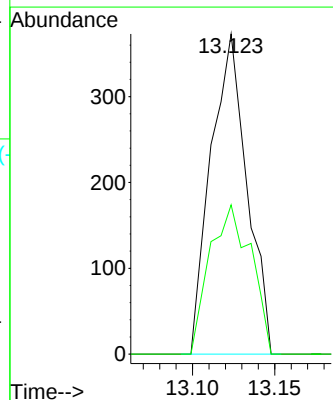
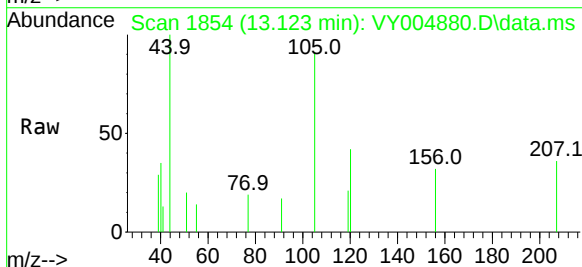


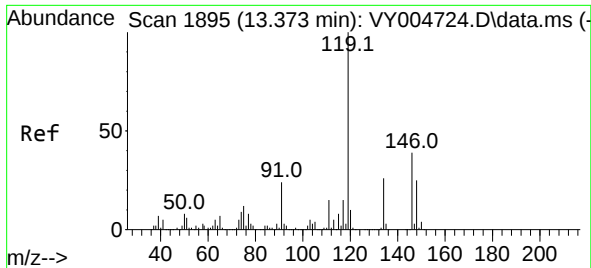
Tgt Ion: 75 Resp: 2814
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 9.3 35.5 53.3#



#84
1,2,4-Trimethylbenzene
Concen: 2.68 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion: 105 Resp: 569
Ion Ratio Lower Upper
105 100
120 53.3 22.5 67.5

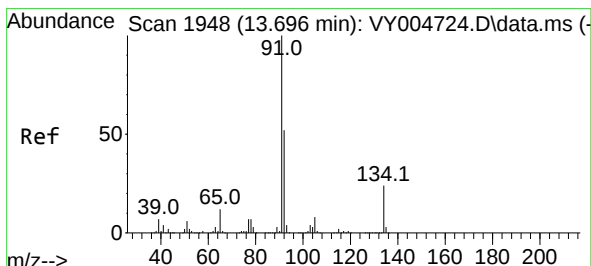
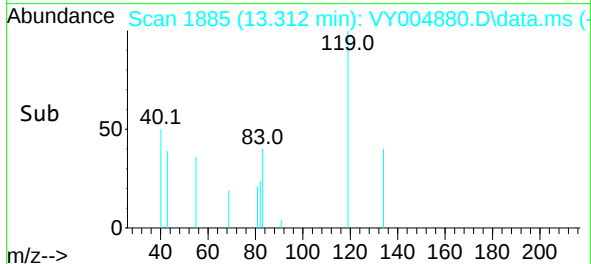
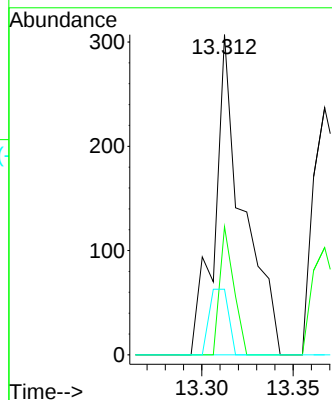
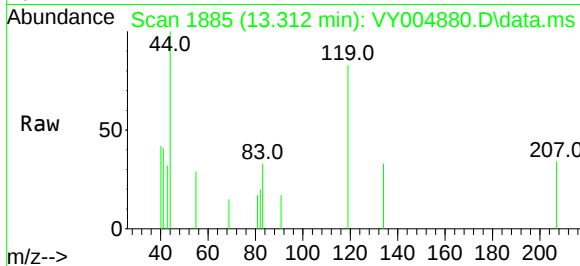




#86
p-Isopropyltoluene
Concen: 1.46 ug/l
RT: 13.312 min Scan# 1885
Delta R.T. -0.061 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

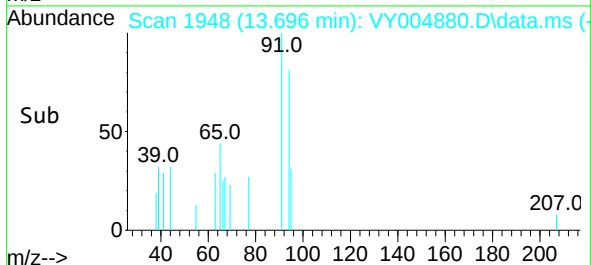
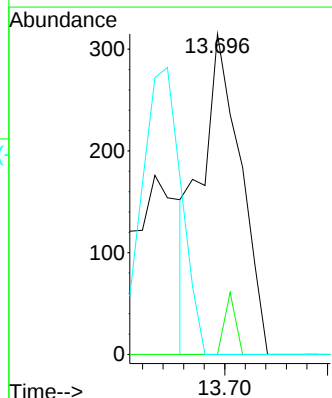
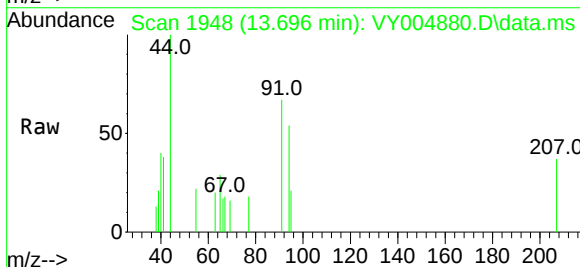
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

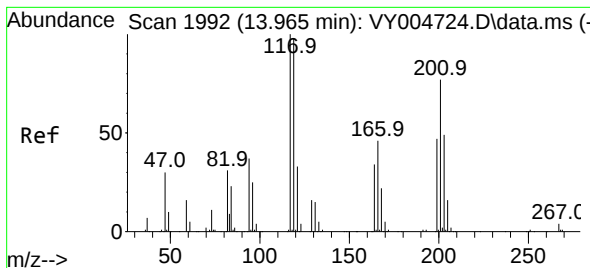
Tgt Ion:	119	Resp:	332
Ion	Ratio	Lower	Upper
119	100		
134	19.6	12.9	38.7
91	13.9	12.0	36.1



#89
n-Butylbenzene
Concen: 1.90 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion:	91	Resp:	424
Ion	Ratio	Lower	Upper
91	100		
92	5.2	26.4	79.0#
134	0.0	12.6	37.6#

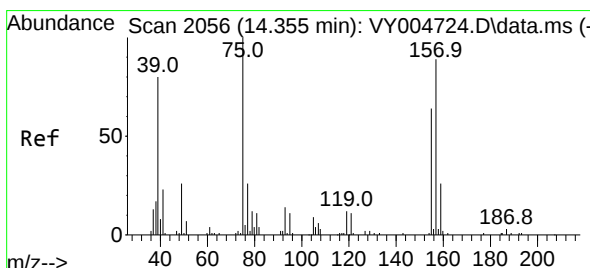
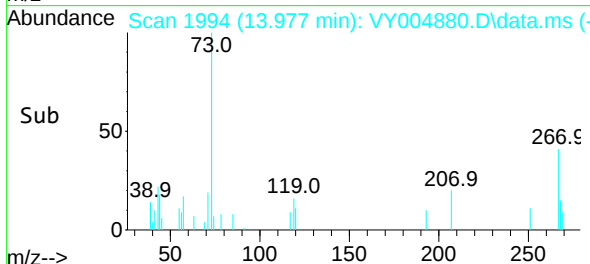
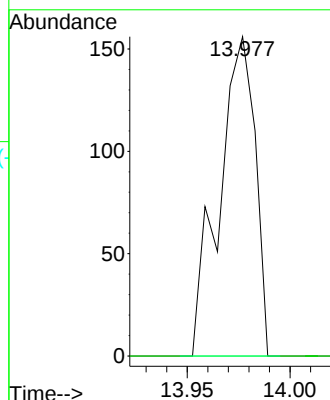
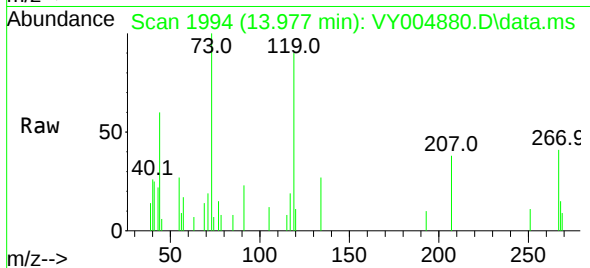




#90
Hexachloroethane
Concen: 5.95 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

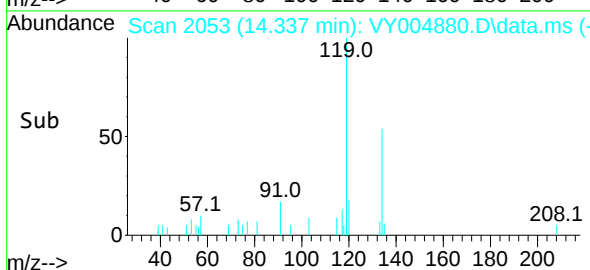
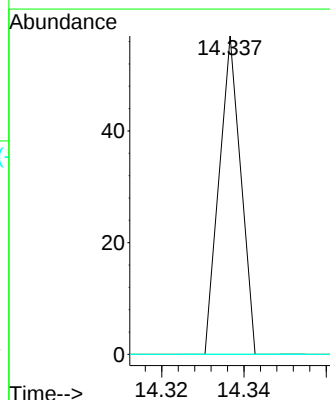
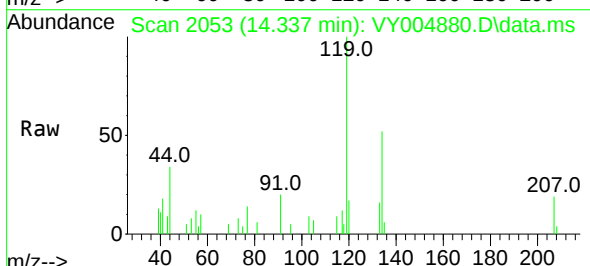
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

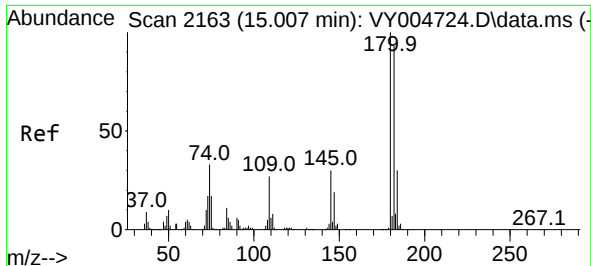
Tgt Ion:117 Resp: 191
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.21 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.018 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
155 0.0 39.0 117.0#
157 0.0 50.2 150.7#

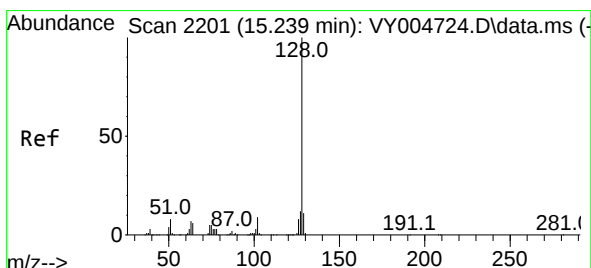
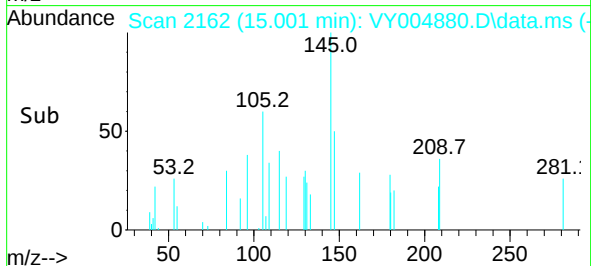
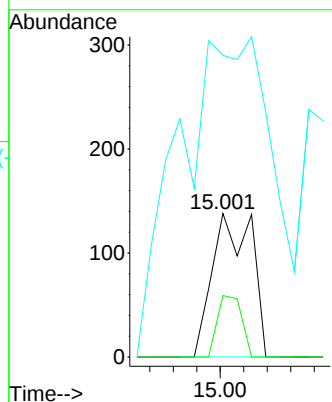
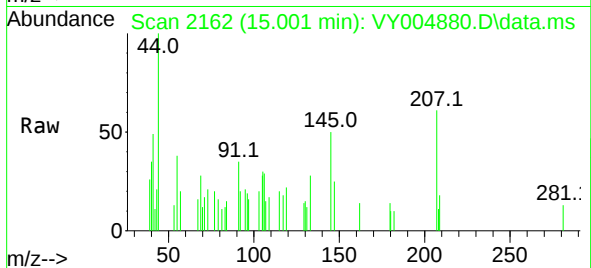




#93
1,2,4-Trichlorobenzene
Concen: 2.49 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

Tgt Ion:180 Resp: 160
Ion Ratio Lower Upper
180 100
182 26.3 46.9 140.8#
145 535.0 15.4 46.4#



#95
Naphthalene
Concen: 4.68 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004880.D
Acq: 26 May 2021 12:45

Tgt Ion:128 Resp: 651
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 2.9 8.6 13.0#

