

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110321\
 Data File : VY006600.D
 Acq On : 03 Nov 2021 14:22
 Operator : SY/MD
 Sample : M4411-01RE
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-HHSRE

Quant Time: Nov 03 21:19:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

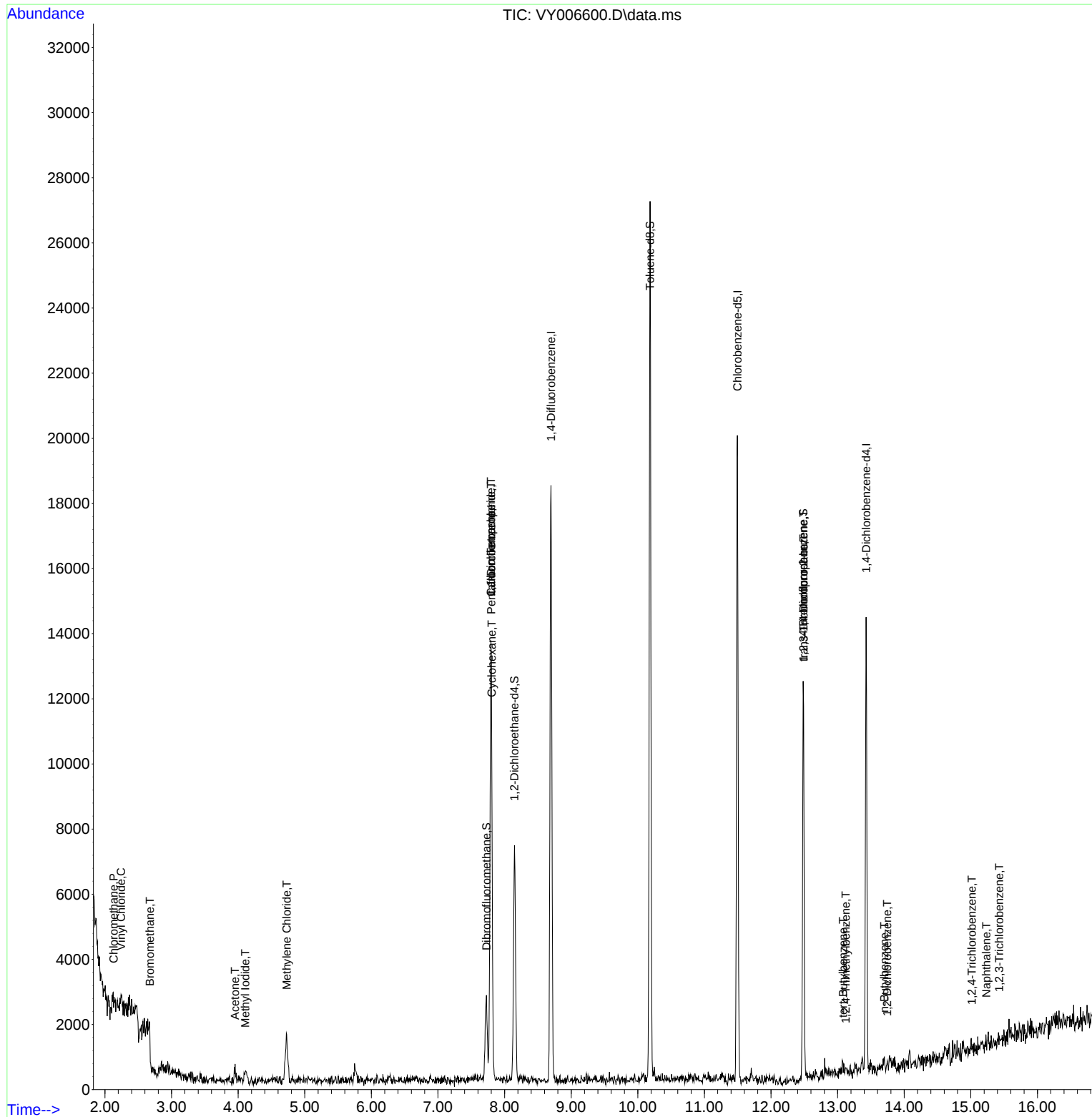
Internal Standards						
1) Pentafluorobenzene	7.801	168	9814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	14412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	10847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5789	47.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.880%
35) Dibromofluoromethane	7.728	113	1857	23.118	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	46.240%#
50) Toluene-d8	10.185	98	16759	49.215	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.483	95	3806	33.180	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.131	50	199	1.625	ug/l #	43
4) Vinyl Chloride	2.241	62	189	1.382	ug/l #	44
5) Bromomethane	2.674	94	190	2.085	ug/l #	62
10) Methyl Iodide	4.107	142	684	11.420	ug/l #	83
16) Acetone	3.954	43	519	14.925	ug/l #	86
20) Methylene Chloride	4.729	84	875	4.434	ug/l #	74
31) Cyclohexane	7.807	56	272	1.391	ug/l #	66
36) 1,1-Dichloropropene	7.795	75	911	6.397	ug/l #	42
38) Carbon Tetrachloride	7.795	117	983	6.257	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	2005	57.311	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	2005	117.657	ug/l #	7
83) tert-Butylbenzene	13.081	119	261	1.527	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.123	105	233	1.172	ug/l #	60
89) n-Butylbenzene	13.703	91	231	1.122	ug/l #	81
91) 1,2-Dichlorobenzene	13.745	146	131	1.330	ug/l #	82
93) 1,2,4-Trichlorobenzene	15.013	180	136	2.092	ug/l #	13
95) Naphthalene	15.233	128	163	1.281	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.428	180	74	1.300	ug/l #	59

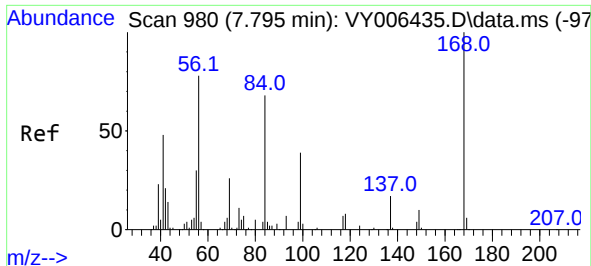
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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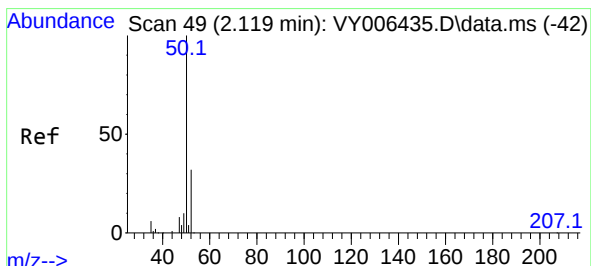
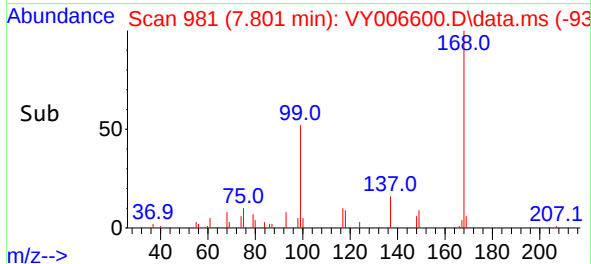
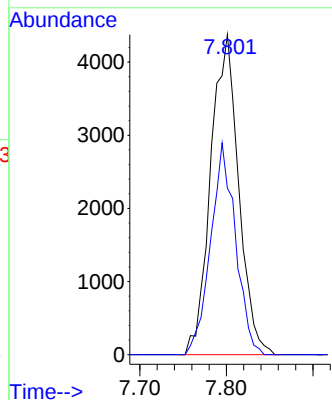
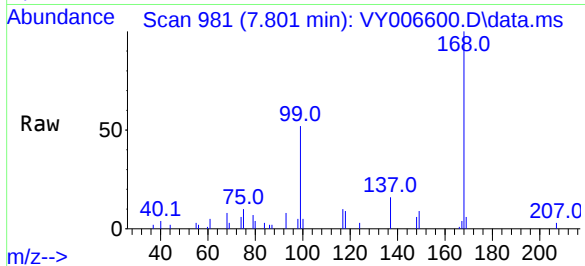




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

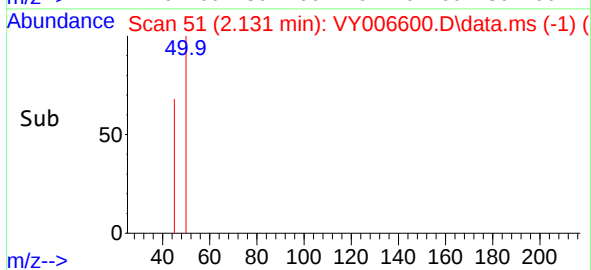
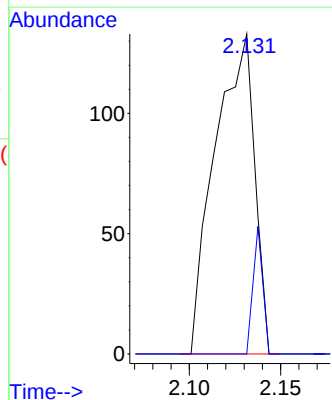
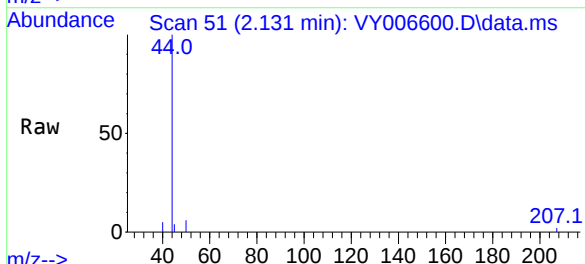
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHSRE

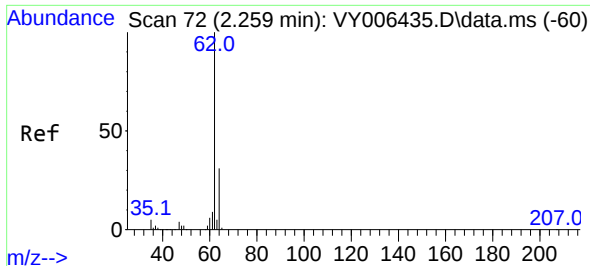
Tgt Ion:168 Resp: 9814
Ion Ratio Lower Upper
168 100
99 52.0 44.8 67.2



#3
Chloromethane
Concen: 1.625 ug/l
RT: 2.131 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion: 50 Resp: 199
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

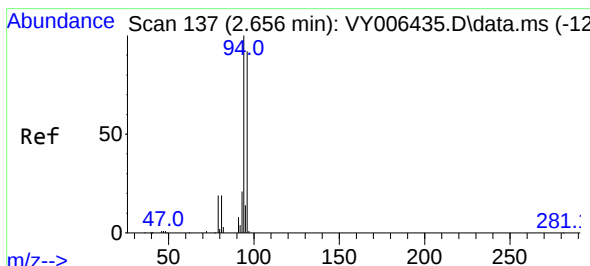
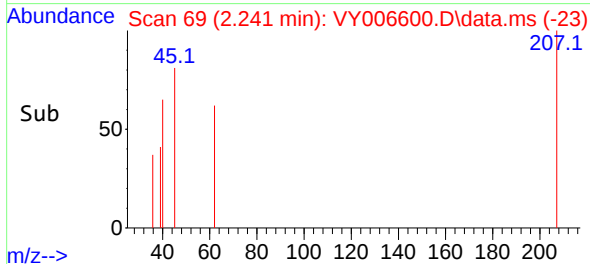
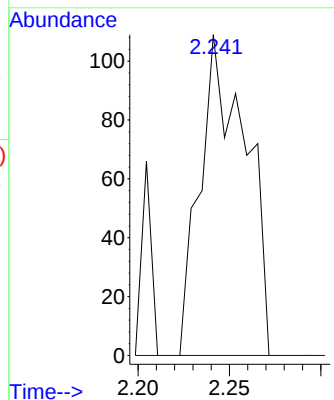
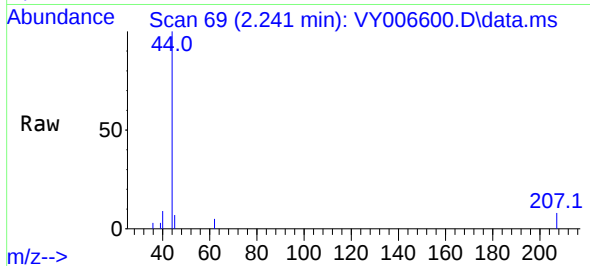




#4
 Vinyl Chloride
 Concen: 1.382 ug/l
 RT: 2.241 min Scan# 61
 Delta R.T. -0.018 min
 Lab File: VY006600.D
 Acq: 03 Nov 2021 14:22

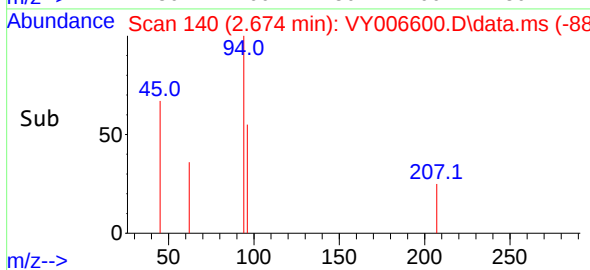
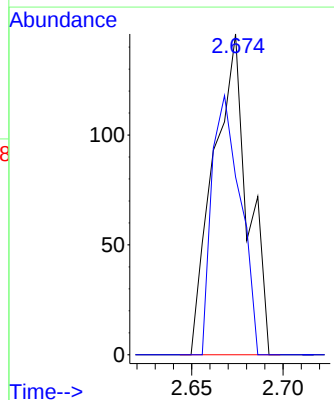
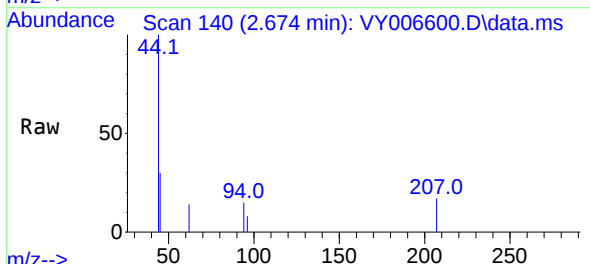
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-HHSRE

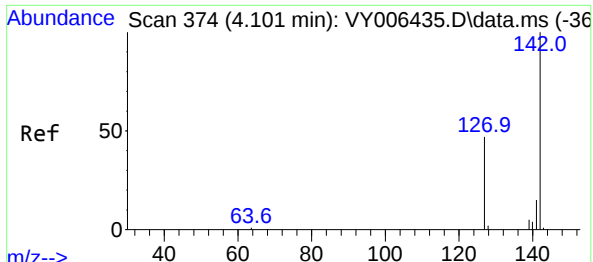
Tgt Ion: 62 Resp: 189
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#5
 Bromomethane
 Concen: 2.085 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.018 min
 Lab File: VY006600.D
 Acq: 03 Nov 2021 14:22

Tgt Ion: 94 Resp: 190
 Ion Ratio Lower Upper
 94 100
 96 55.5 73.5 110.3#

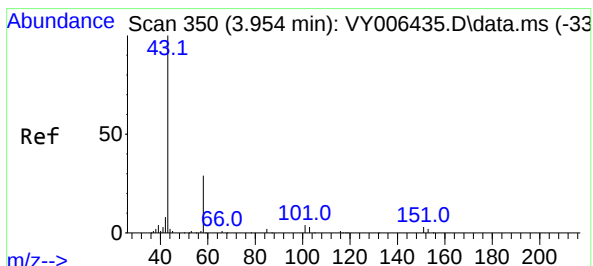
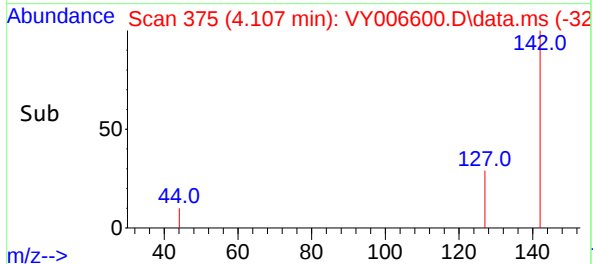
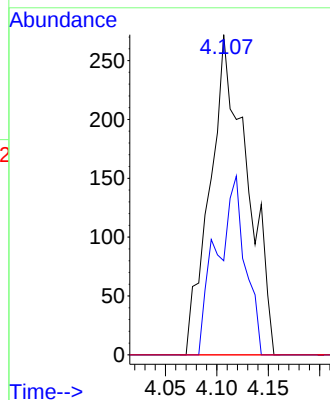
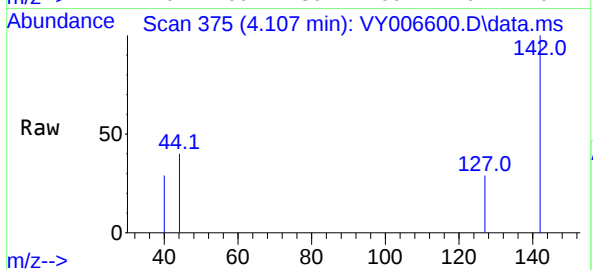




#10
Methyl Iodide
Concen: 11.420 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

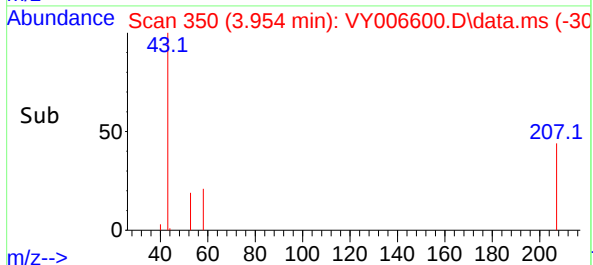
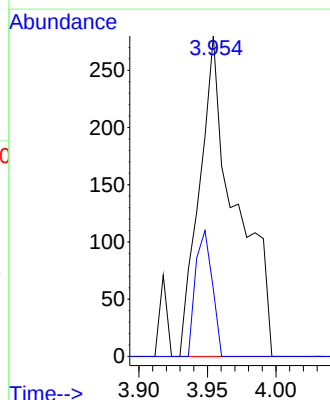
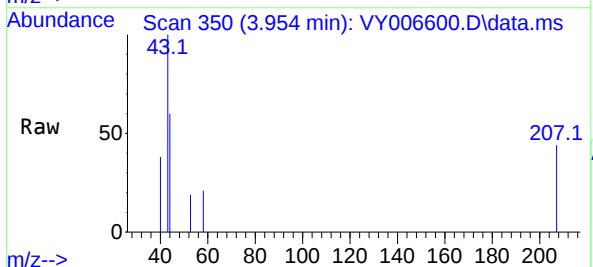
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHSRE

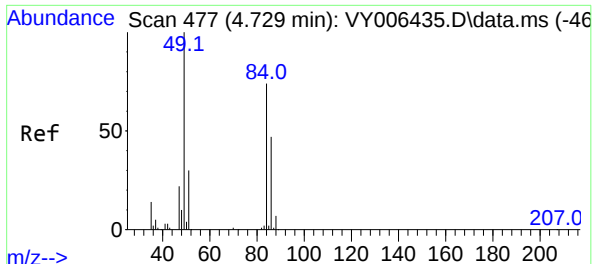
Tgt Ion:142 Resp: 684
Ion Ratio Lower Upper
142 100
127 42.8 40.1 60.1
141 0.0 12.5 18.7#



#16
Acetone
Concen: 14.925 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
58 21.1 22.9 34.3#



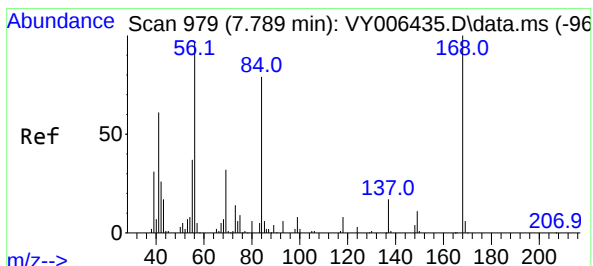
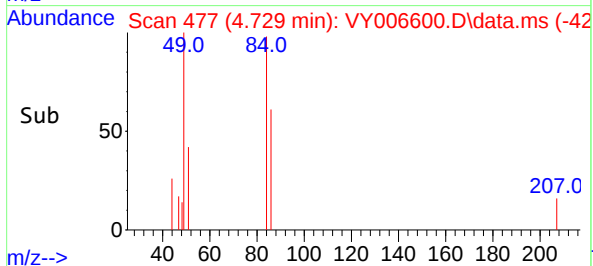
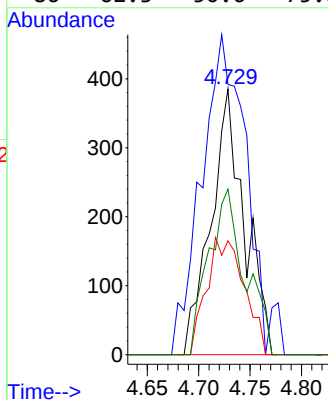
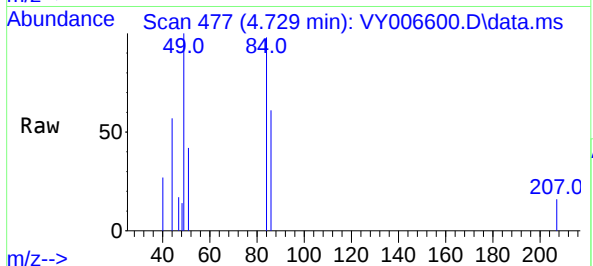


#20
Methylene Chloride
Concen: 4.434 ug/l
RT: 4.729 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Instrument :
MSVOA_Y
ClientSampleId :
MH-HHSRE

Tgt Ion: 84 Resp: 875

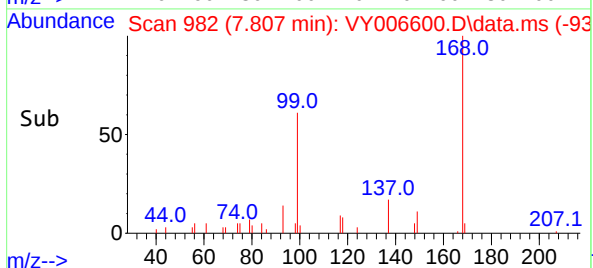
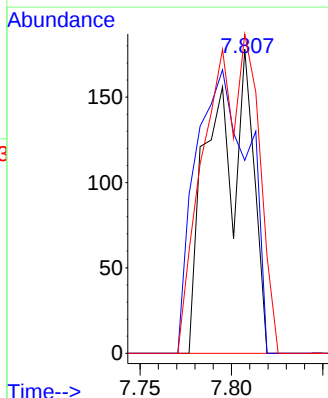
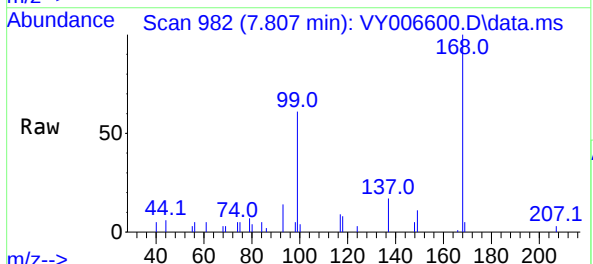
Ion	Ratio	Lower	Upper
84	100		
49	82.3	107.8	161.8#
51	42.9	32.8	49.2
86	62.3	50.6	75.8

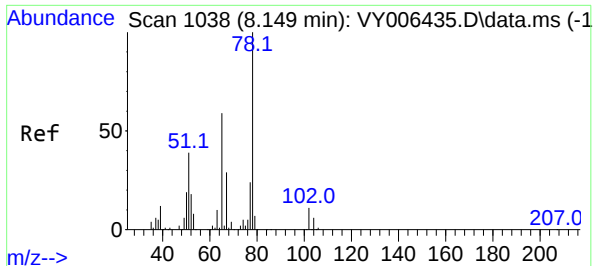


#31
Cyclohexane
Concen: 1.391 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.018 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion: 56 Resp: 272

Ion	Ratio	Lower	Upper
56	100		
69	63.5	26.6	40.0#
84	105.1	65.0	97.4#





#33

1,2-Dichloroethane-d4

Concen: 47.935 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY006600.D

Acq: 03 Nov 2021 14:22

Instrument :

MSVOA_Y

ClientSampleId :

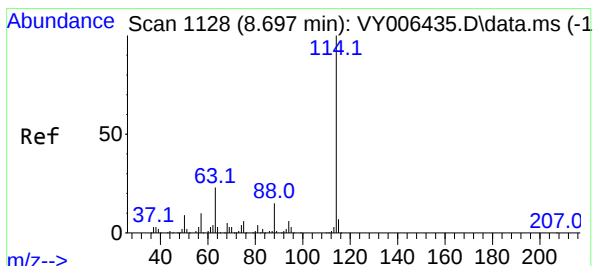
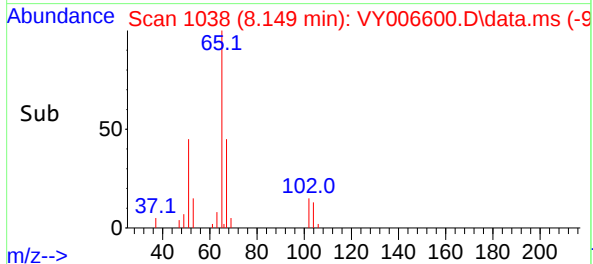
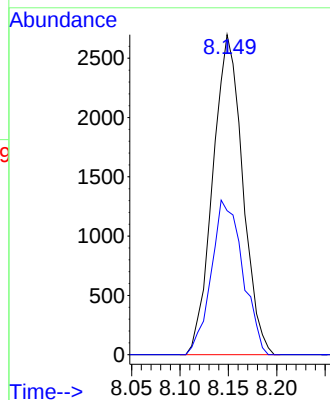
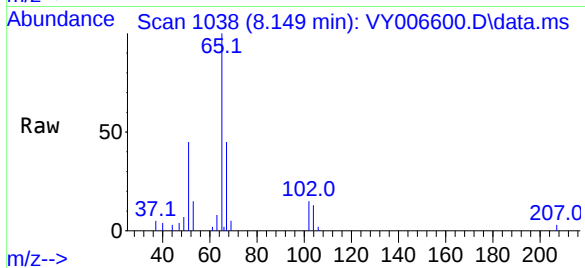
MH-HHSRE

Tgt Ion: 65 Resp: 5789

Ion Ratio Lower Upper

65 100

67 50.8 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006600.D

Acq: 03 Nov 2021 14:22

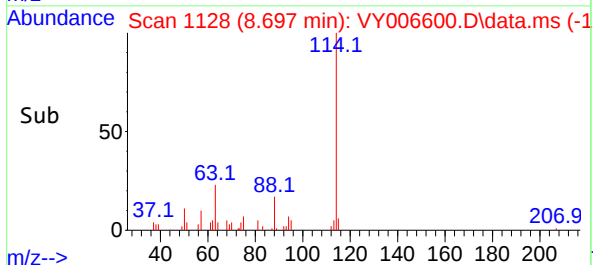
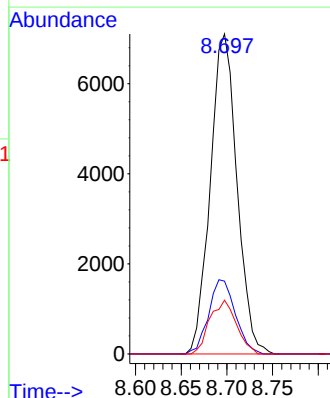
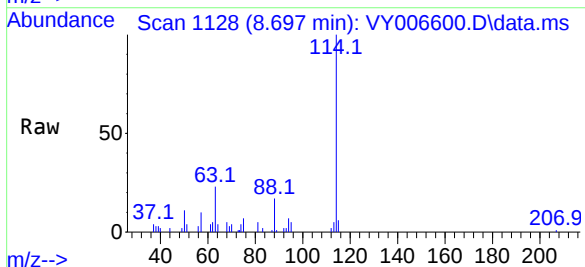
Tgt Ion: 114 Resp: 14412

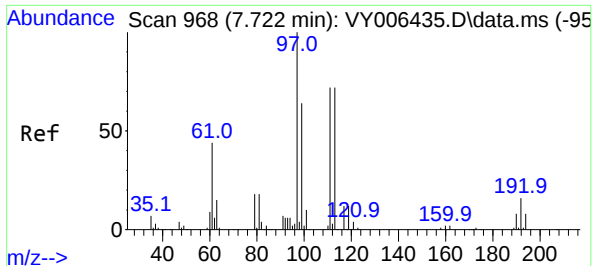
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

88 16.8 0.0 30.6

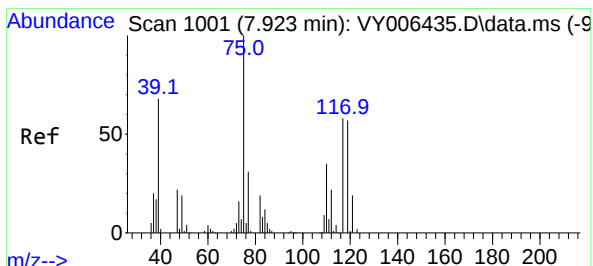
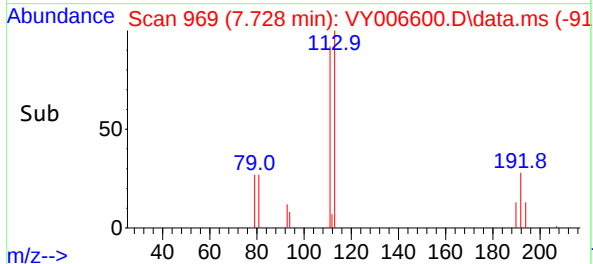
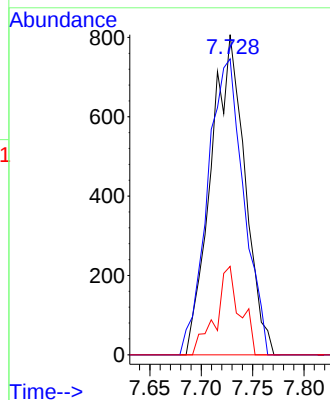
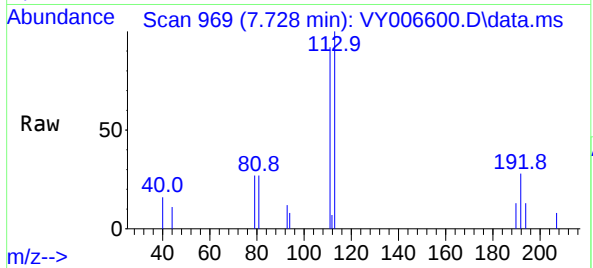




#35
Dibromofluoromethane
Concen: 23.118 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

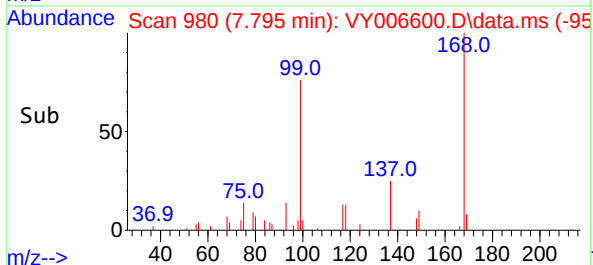
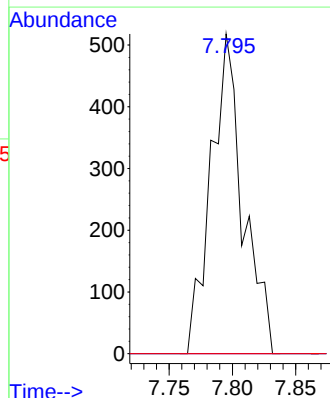
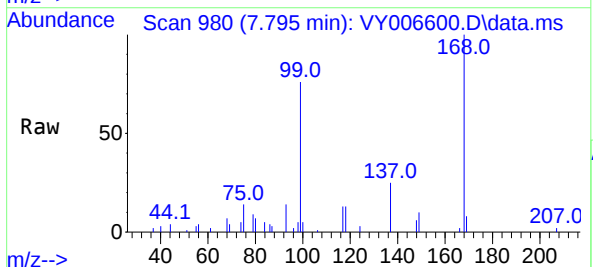
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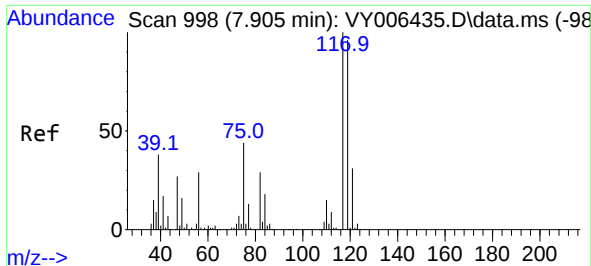
Tgt Ion:113 Resp: 1857
Ion Ratio Lower Upper
113 100
111 97.8 82.3 123.5
192 19.6 17.4 26.2



#36
1,1-Dichloropropene
Concen: 6.397 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion: 75 Resp: 911
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.3#
77 0.0 24.9 37.3#

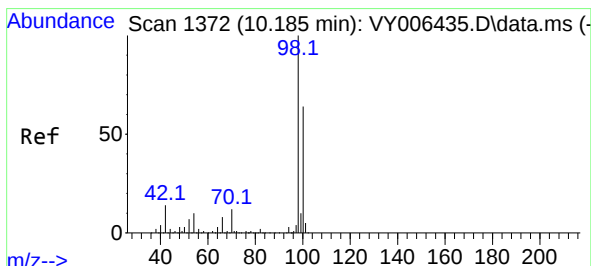
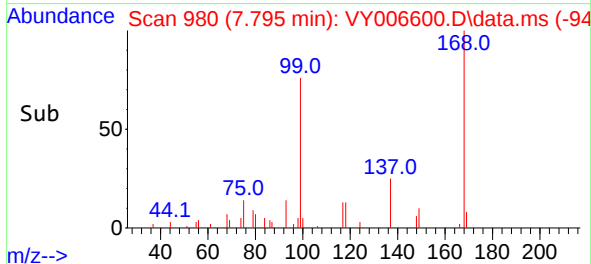
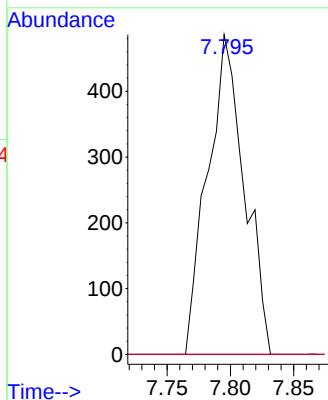
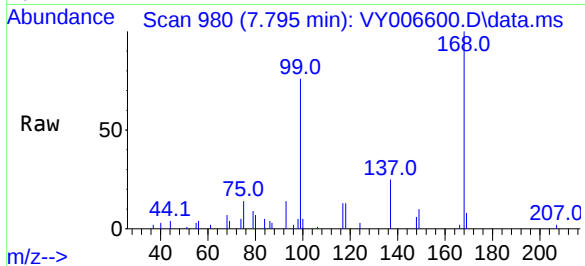




#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

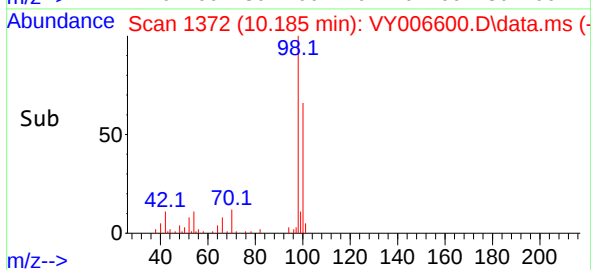
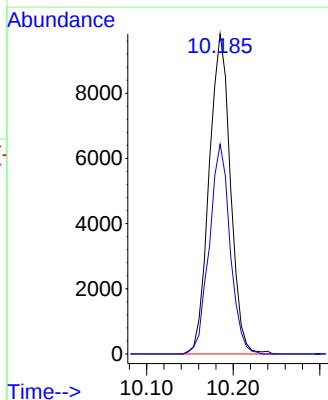
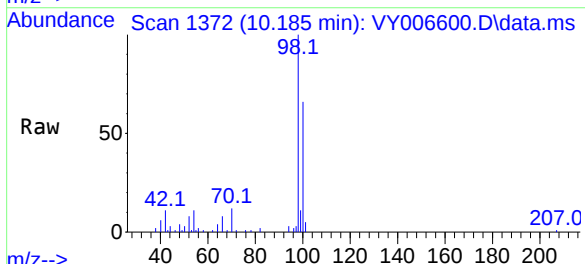
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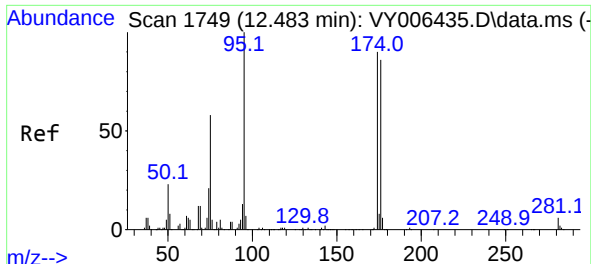
Tgt Ion:117 Resp: 983
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.215 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion: 98 Resp: 16759
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3

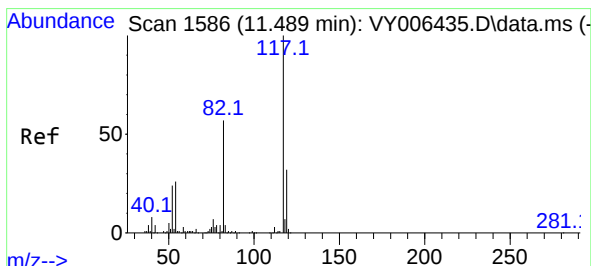
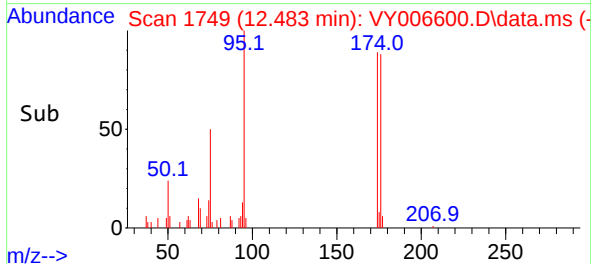
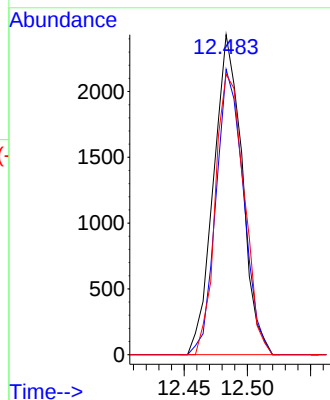
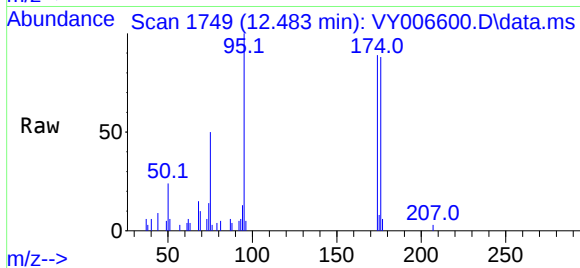




#62
4-Bromofluorobenzene
Concen: 33.180 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

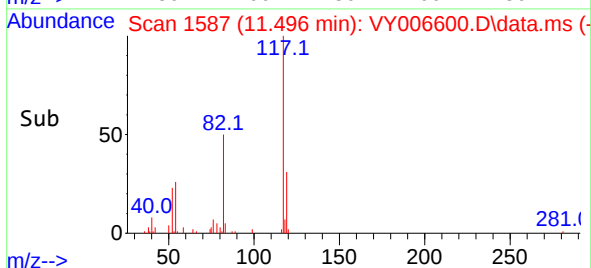
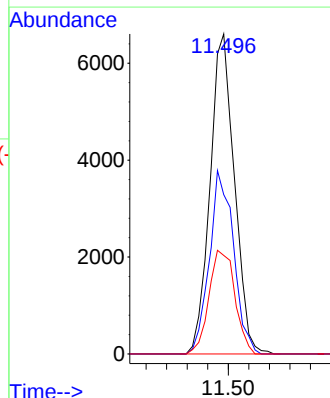
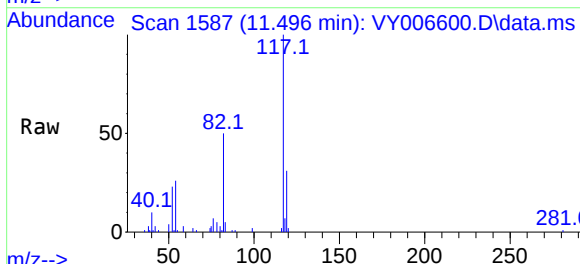
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHSRE

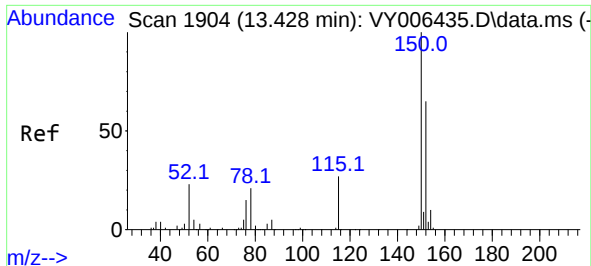
Tgt Ion: 95 Resp: 3806
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 88.4 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion: 117 Resp: 10847
Ion Ratio Lower Upper
117 100
82 49.8 45.7 68.5
119 30.8 25.5 38.3

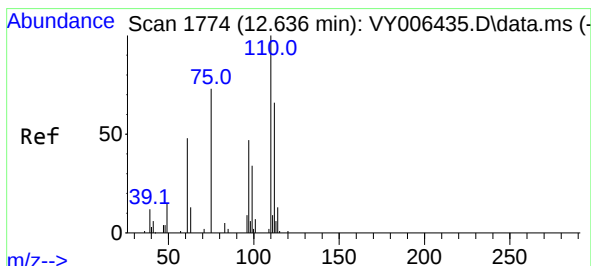
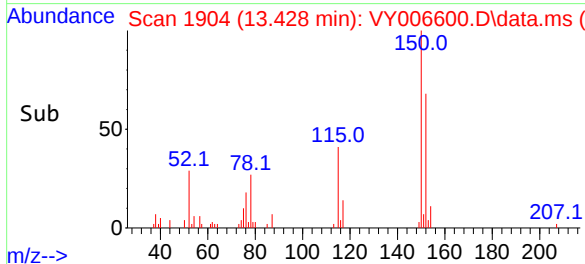
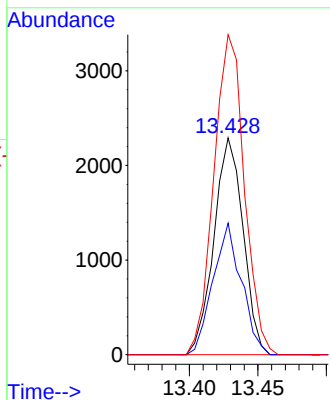
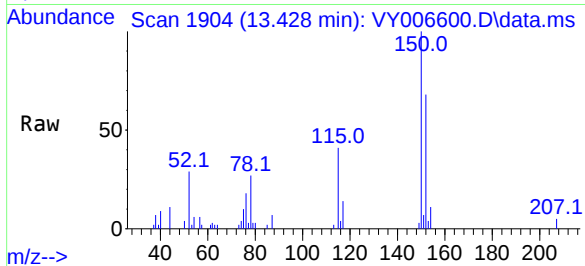




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

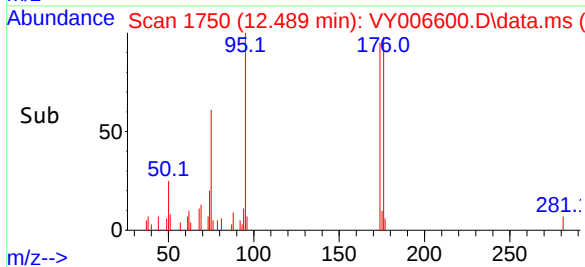
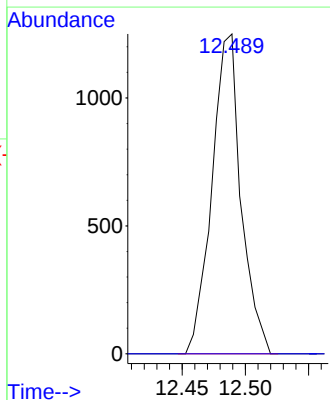
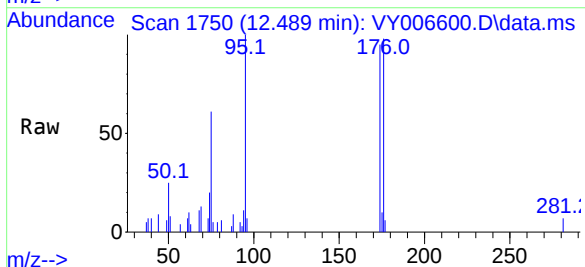
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHSRE

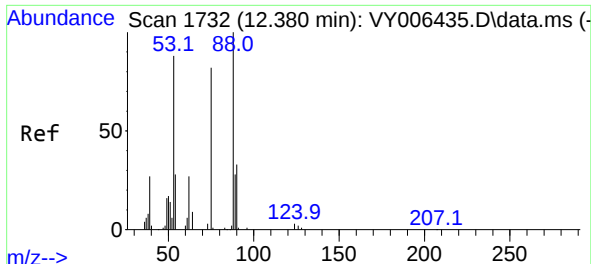
Tgt Ion:152 Resp: 3395
Ion Ratio Lower Upper
152 100
115 59.2 28.5 85.5
150 154.3 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 57.311 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion: 75 Resp: 2005
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

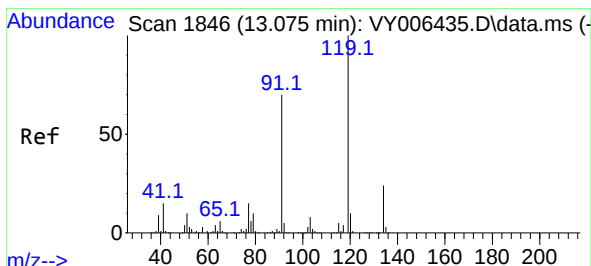
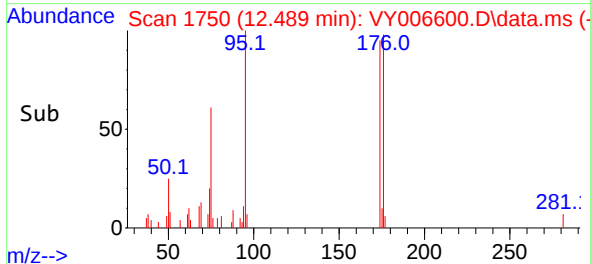
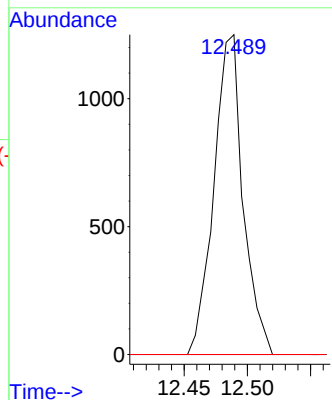
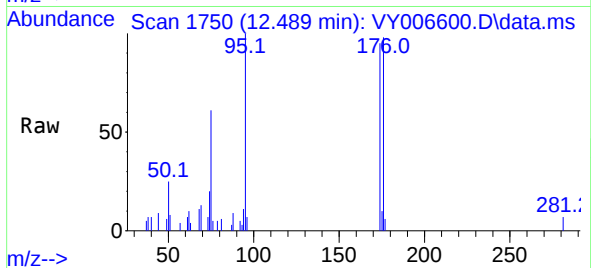




#81
trans-1,4-Dichloro-2-butene
Concen: 117.657 ug/l
RT: 12.489 min Scan# 1732
Delta R.T. 0.110 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

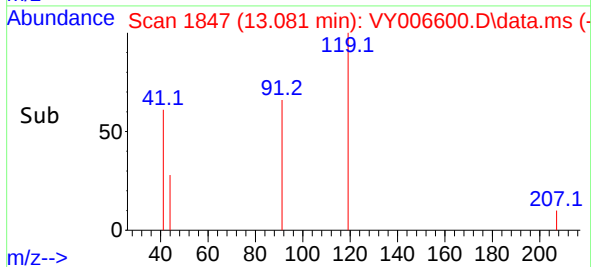
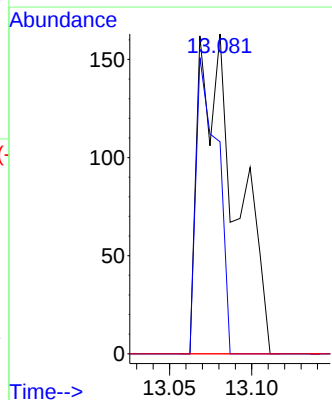
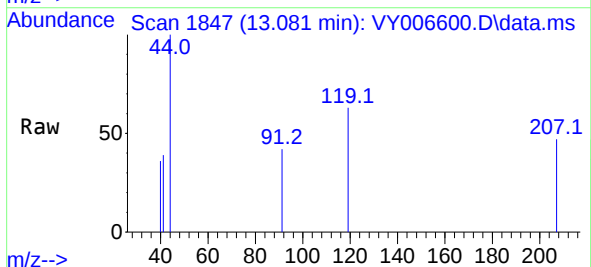
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHSRE

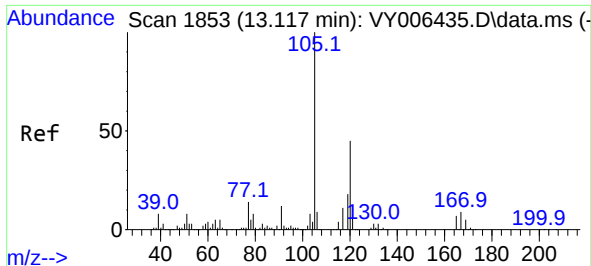
Tgt Ion: 75 Resp: 2005
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#83
tert-Butylbenzene
Concen: 1.527 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion: 119 Resp: 261
Ion Ratio Lower Upper
119 100
91 52.1 34.8 104.5
134 0.0 13.0 38.9#

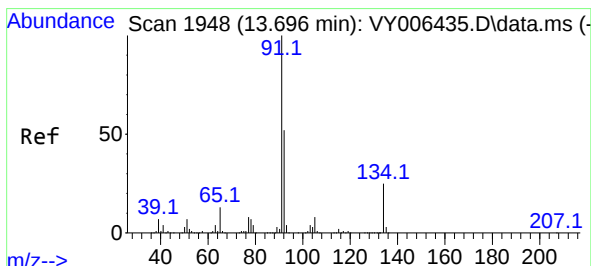
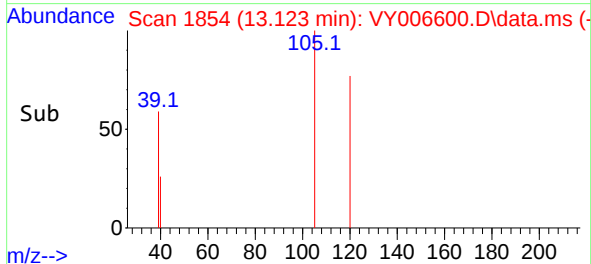
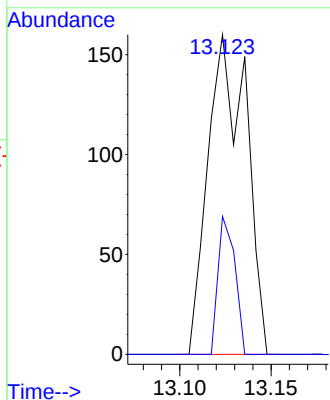
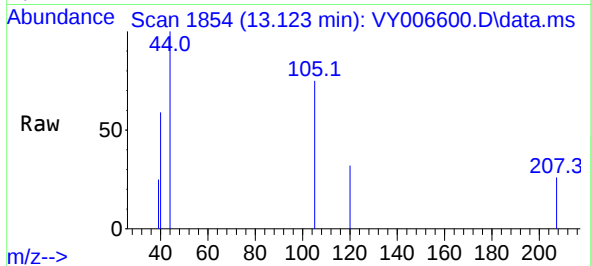




#84
1,2,4-Trimethylbenzene
Concen: 1.172 ug/l
RT: 13.123 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

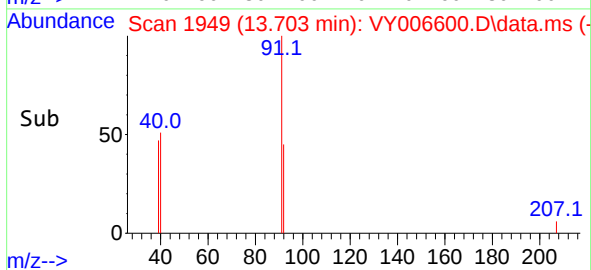
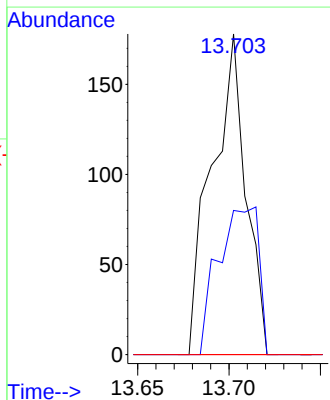
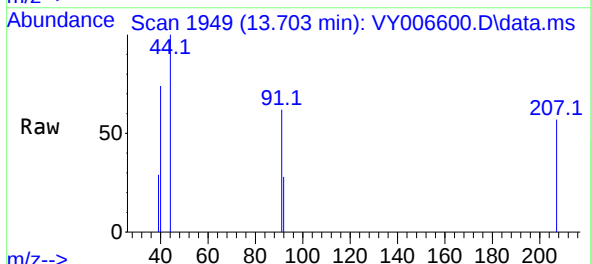
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHSRE

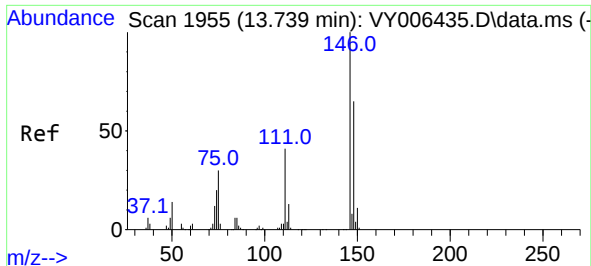
Tgt Ion:105 Resp: 233
Ion Ratio Lower Upper
105 100
120 18.9 22.6 67.8#



#89
n-Butylbenzene
Concen: 1.122 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion: 91 Resp: 231
Ion Ratio Lower Upper
91 100
92 54.5 26.3 78.9
134 0.0 12.9 38.7#

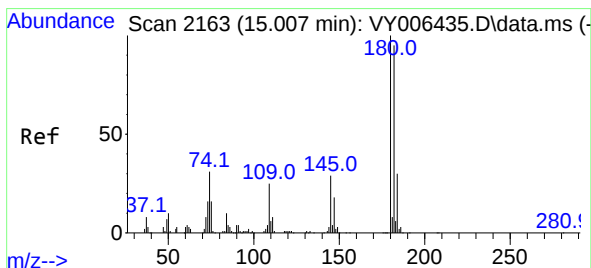
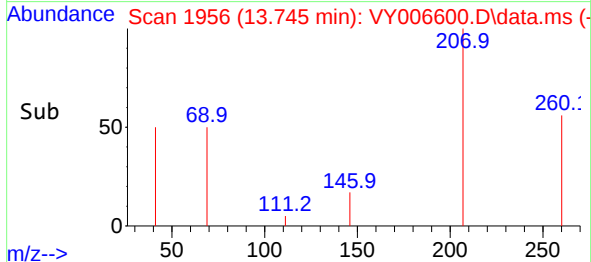
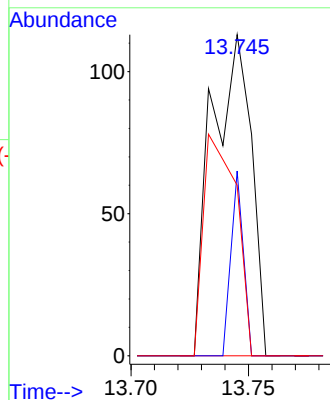
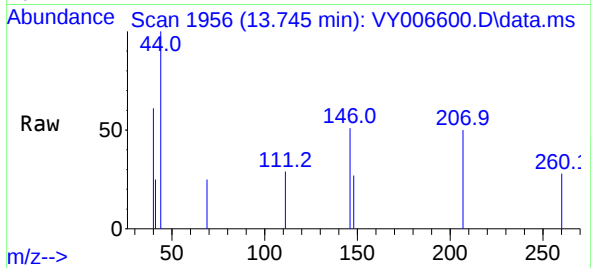




#91
1,2-Dichlorobenzene
Concen: 1.330 ug/l
RT: 13.745 min Scan# 1955
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

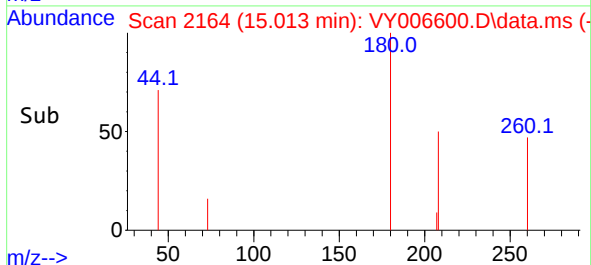
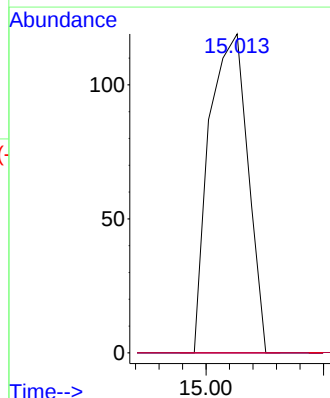
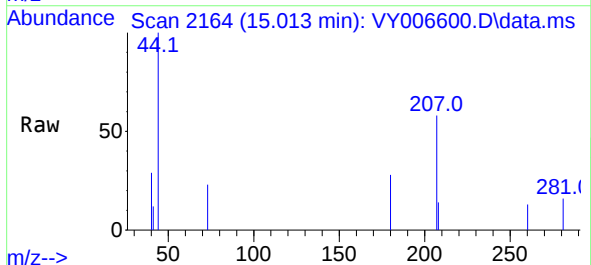
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHSRE

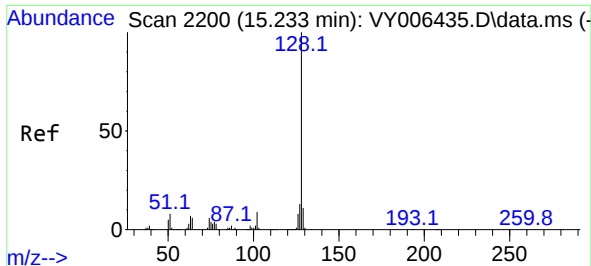
Tgt Ion:146 Resp: 131
Ion Ratio Lower Upper
146 100
111 18.3 20.1 60.3#
148 58.0 31.9 95.7



#93
1,2,4-Trichlorobenzene
Concen: 2.092 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion:180 Resp: 136
Ion Ratio Lower Upper
180 100
182 0.0 47.1 141.4#
145 0.0 14.5 43.6#

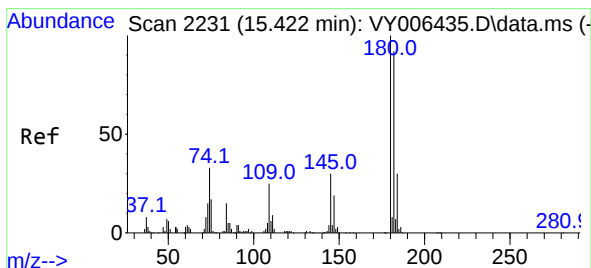
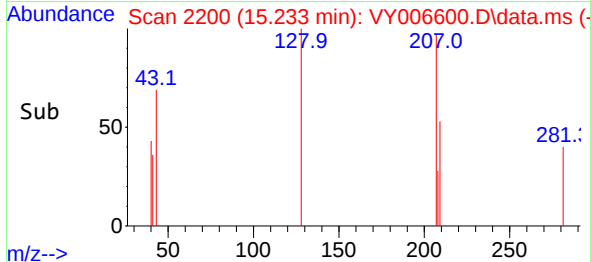
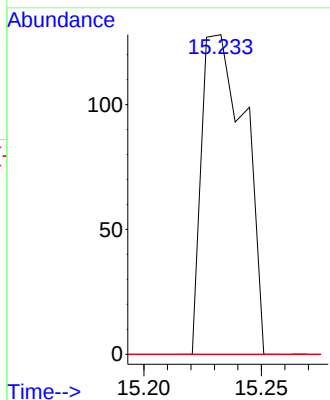
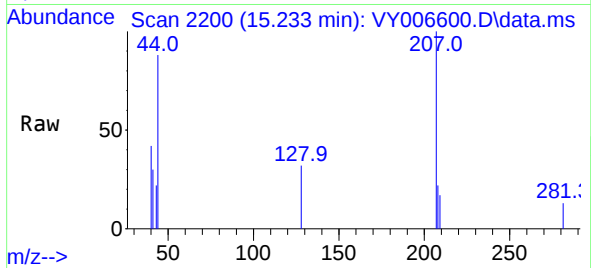




#95
Naphthalene
Concen: 1.281 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Instrument :
MSVOA_Y
ClientSampleId :
MH-HHSRE

Tgt Ion:128 Resp: 163
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 1.300 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY006600.D
Acq: 03 Nov 2021 14:22

Tgt Ion:180 Resp: 74
Ion Ratio Lower Upper
180 100
182 60.8 47.8 143.4
145 0.0 15.3 45.8#

