

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111721\
 Data File : VY006792.D
 Acq On : 17 Nov 2021 16:42
 Operator : SY/MD
 Sample : M4659-02RE
 Misc : 9.63G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HB-1-(7.5-8)-11-11-21

Quant Time: Nov 18 03:02:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

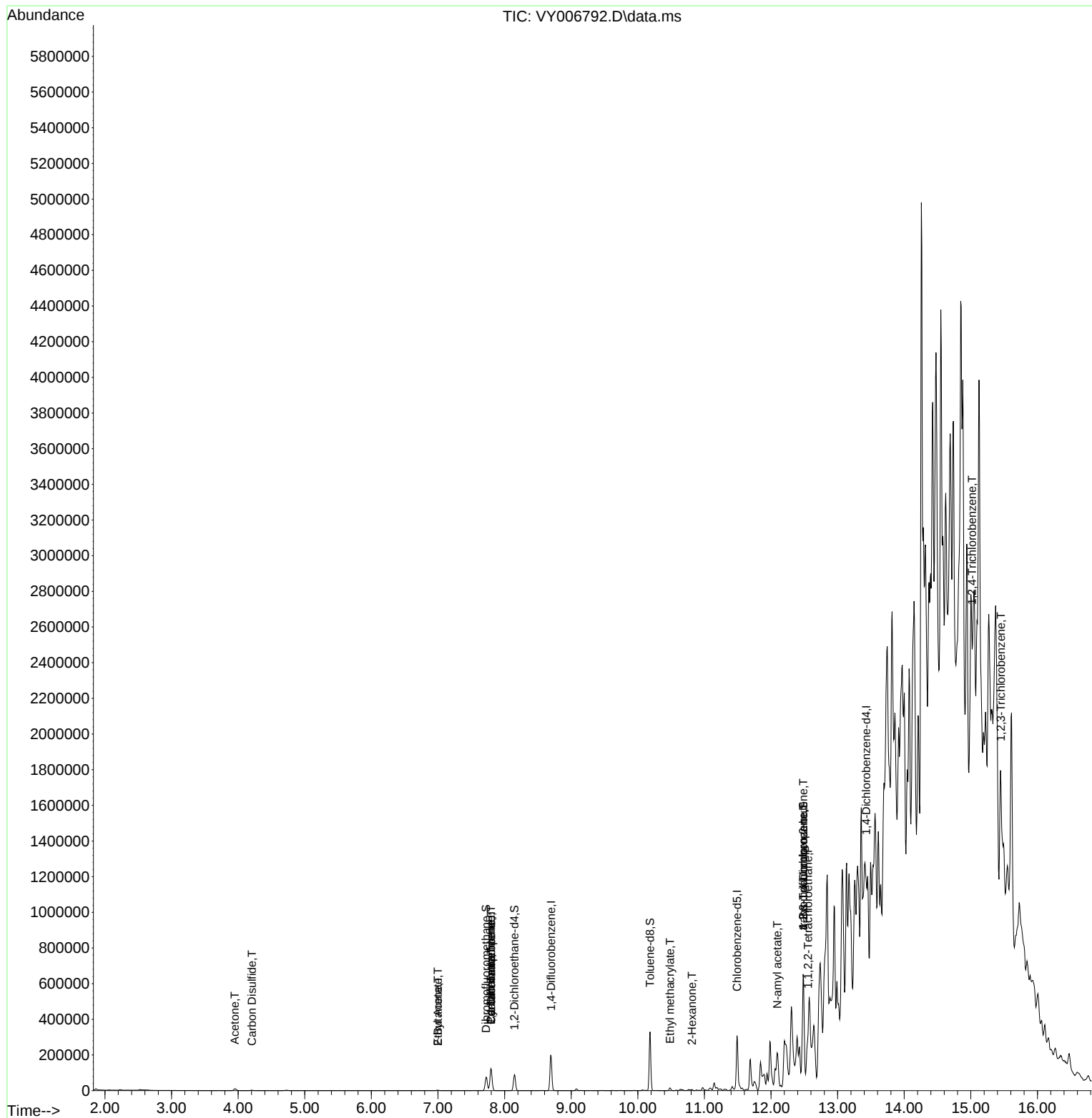
Internal Standards						
1) Pentafluorobenzene	7.795	168	92944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	159129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	150445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	73681	60.486	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.980%	
35) Dibromofluoromethane	7.722	113	50139	51.297	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.600%	
50) Toluene-d8	10.185	98	199862	49.413	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.820%	
62) 4-Bromofluorobenzene	12.483	95	86687	63.573	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 127.140%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	19093	51.588	ug/l	99
17) Carbon Disulfide	4.204	76	4730	1.489	ug/l	98
20) Methylene Chloride	4.729	84	1744	Below Cal	#	77
25) 2-Butanone	6.996	43	4969	20.309	ug/l	95
31) Cyclohexane	7.795	56	2412	1.127	ug/l #	11
36) 1,1-Dichloropropene	7.795	75	7712	4.459	ug/l #	50
37) Ethyl Acetate	6.996	43	4969	4.297	ug/l #	72
38) Carbon Tetrachloride	7.795	117	9153	5.174	ug/l #	16
56) Ethyl methacrylate	10.484	69	4195	3.090	ug/l #	79
59) 2-Hexanone	10.813	43	3072	27.131	ug/l #	34
74) N-amyl acetate	12.093	43	61507	25.527	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.556	83	34350	26.114	ug/l #	59
76) 1,2,3-Trichloropropane	12.483	75	38632	38.062	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	38632	75.419	ug/l #	22
93) 1,2,4-Trichlorobenzene	15.019	180	10560	5.809	ug/l #	49
96) 1,2,3-Trichlorobenzene	15.452	180	14122	9.322	ug/l #	18

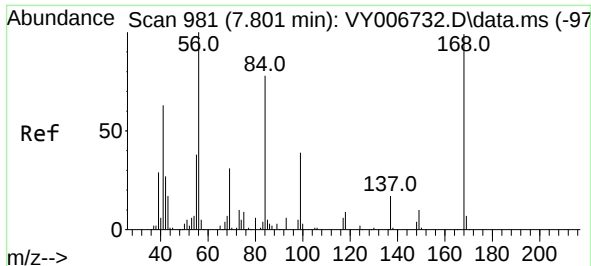
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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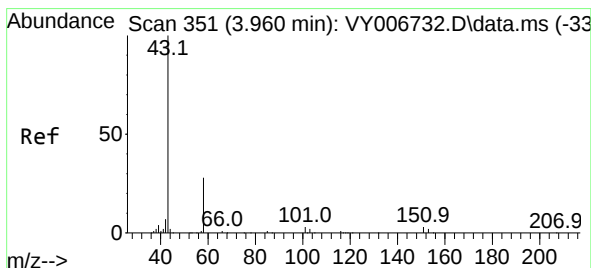
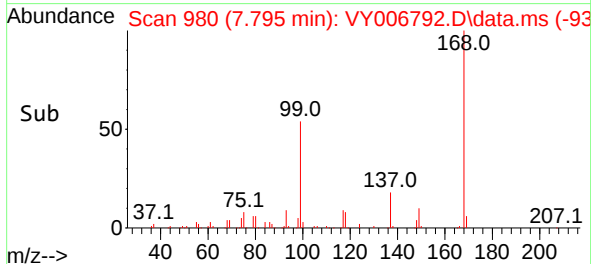
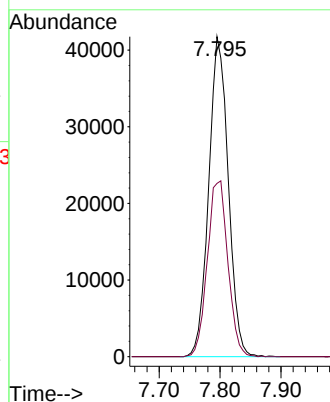
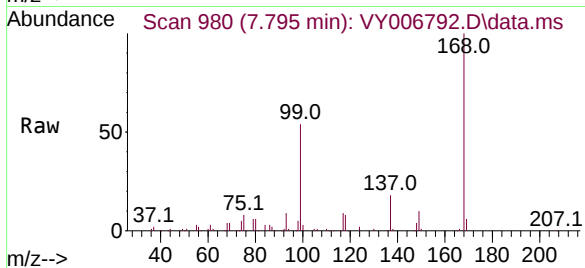




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

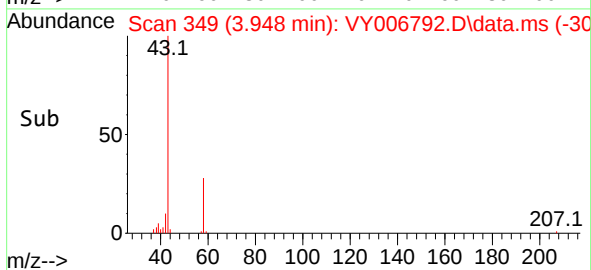
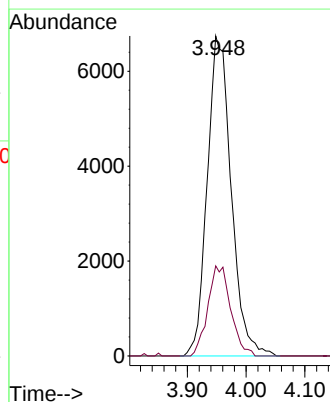
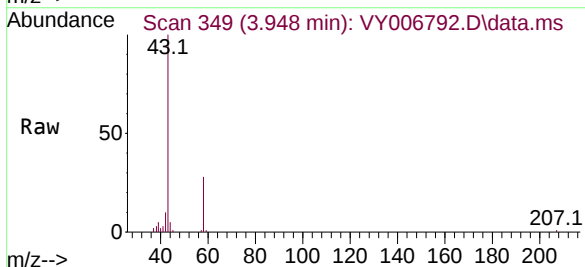
Instrument :
MSVOA_Y
ClientSampleId :
HB-1-(7.5-8)-11-11-21

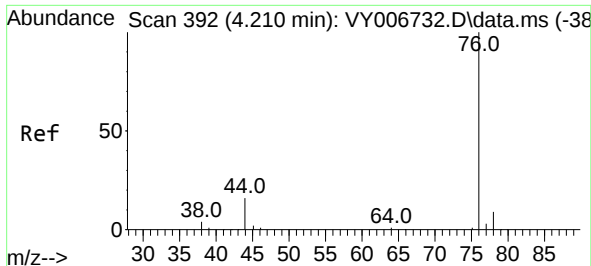
Tgt Ion:168 Resp: 92944
Ion Ratio Lower Upper
168 100
99 54.2 44.8 67.2



#16
Acetone
Concen: 51.588 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

Tgt Ion: 43 Resp: 19093
Ion Ratio Lower Upper
43 100
58 28.2 22.9 34.3

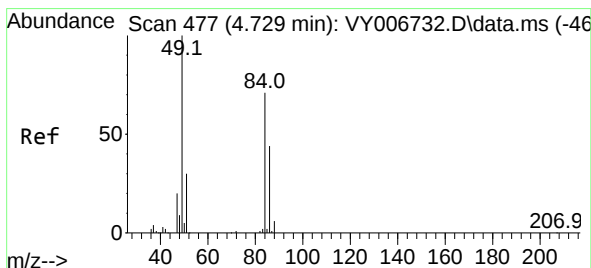
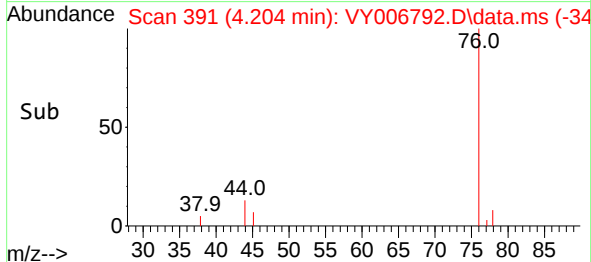
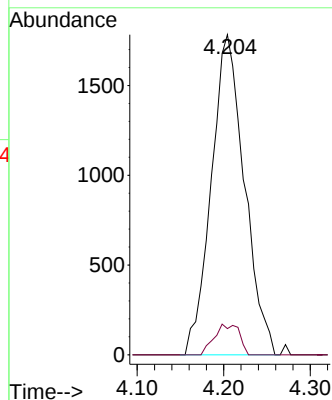
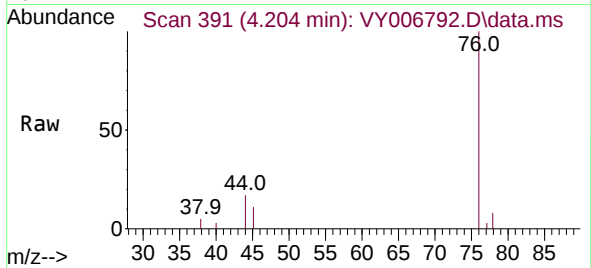




#17
Carbon Disulfide
Concen: 1.489 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

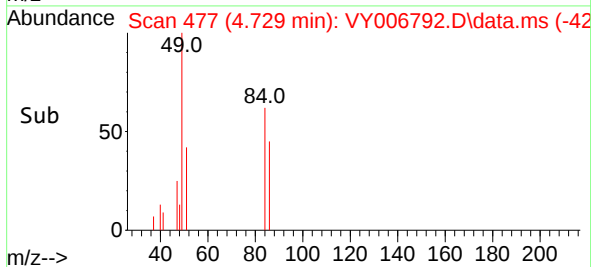
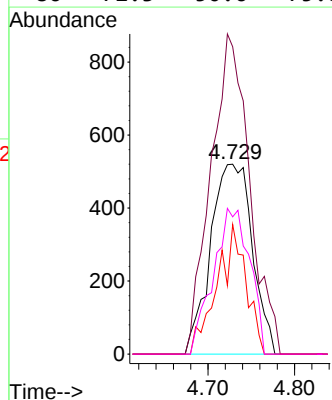
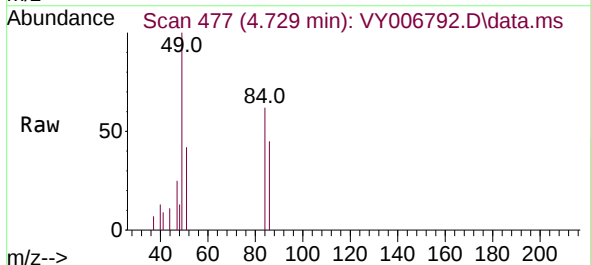
Instrument :
MSVOA_Y
ClientSampleId :
HB-1-(7.5-8)-11-11-21

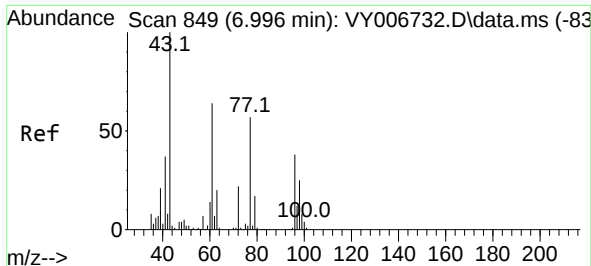
Tgt Ion: 76 Resp: 4730
Ion Ratio Lower Upper
76 100
78 8.2 7.1 10.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

Tgt Ion: 84 Resp: 1744
Ion Ratio Lower Upper
84 100
49 161.9 107.8 161.8#
51 68.3 32.8 49.2#
86 72.3 50.6 75.8

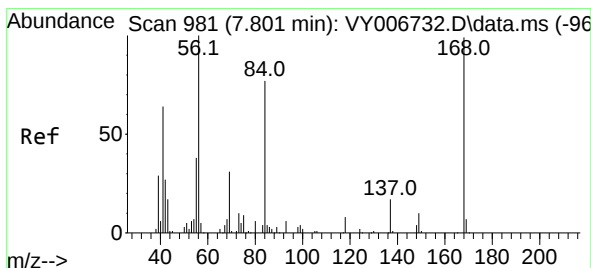
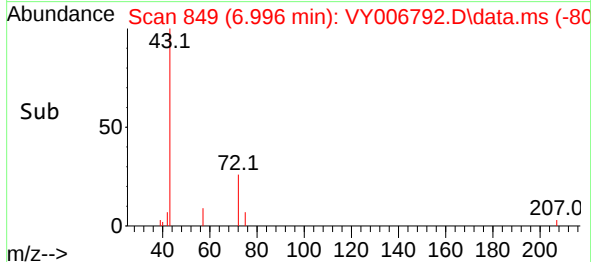
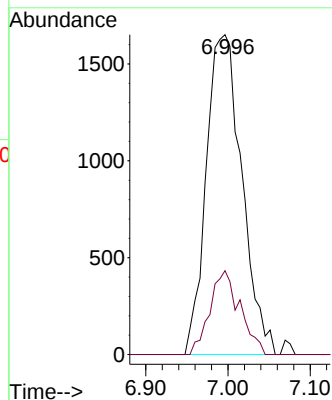
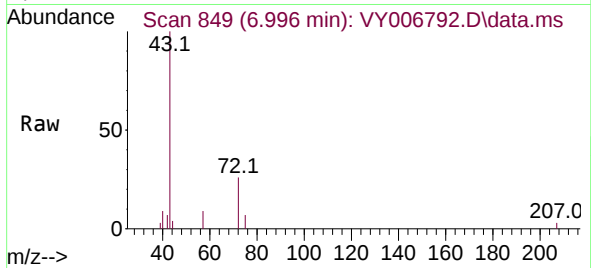




#25
2-Butanone
Concen: 20.309 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

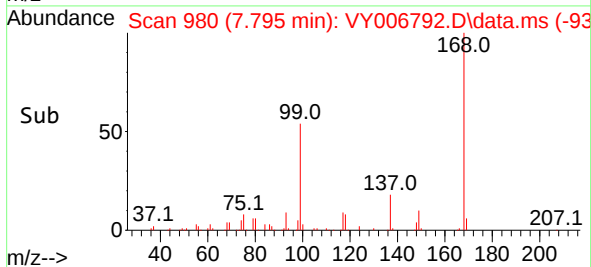
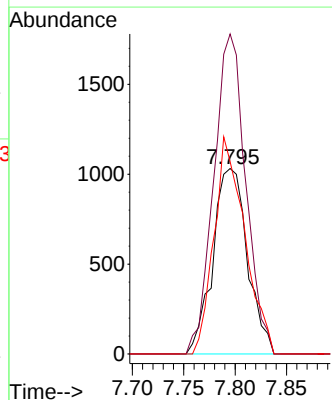
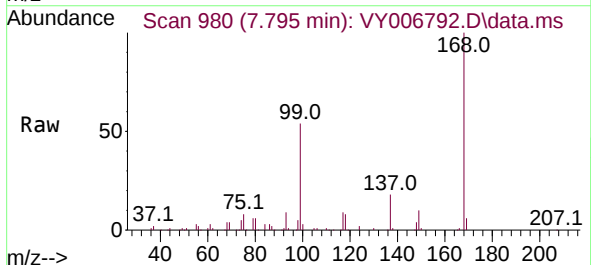
Instrument :
MSVOA_Y
ClientSampleId :
HB-1-(7.5-8)-11-11-21

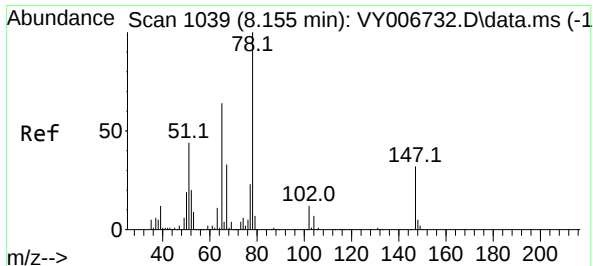
Tgt Ion: 43 Resp: 4969
Ion Ratio Lower Upper
43 100
72 26.2 18.9 28.3



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

Tgt Ion: 56 Resp: 2412
Ion Ratio Lower Upper
56 100
69 172.5 26.6 40.0#
84 103.7 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 60.486 ug/l

RT: 8.149 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY006792.D

Acq: 17 Nov 2021 16:42

Instrument :

MSVOA_Y

ClientSampleId :

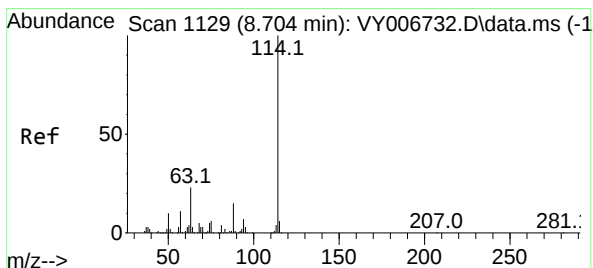
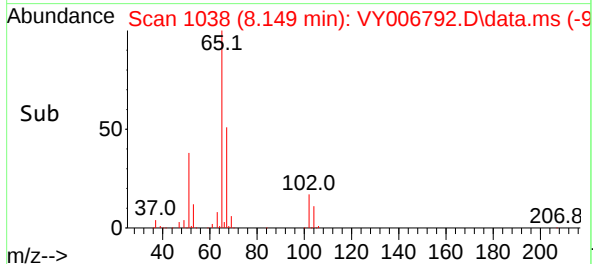
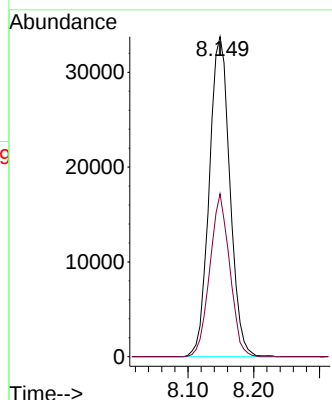
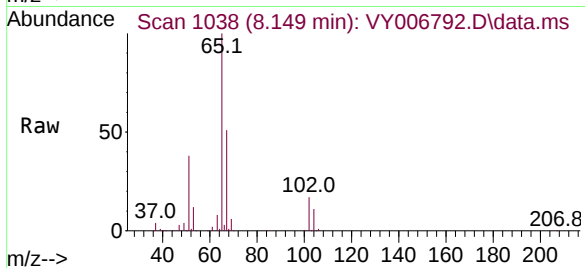
HB-1-(7.5-8)-11-11-21

Tgt Ion: 65 Resp: 73681

Ion Ratio Lower Upper

65 100

67 49.0 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006792.D

Acq: 17 Nov 2021 16:42

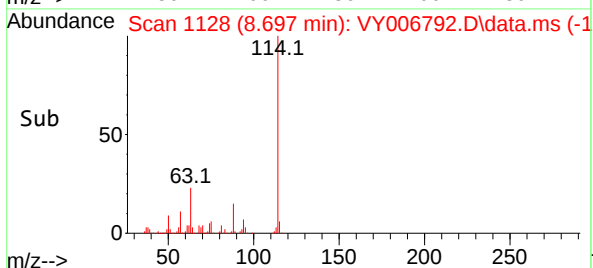
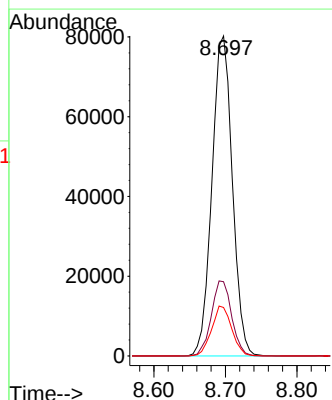
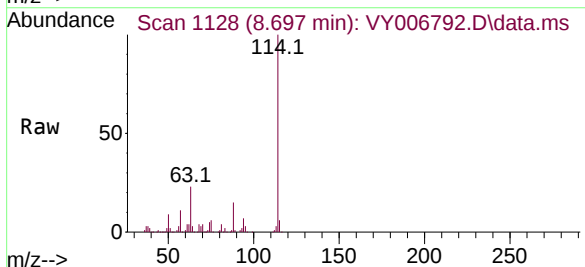
Tgt Ion:114 Resp: 159129

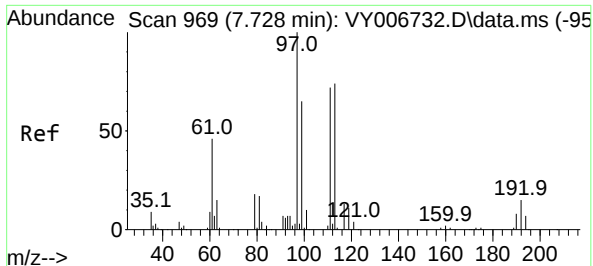
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.297 ug/l

RT: 7.722 min Scan# 90

Delta R.T. -0.006 min

Lab File: VY006792.D

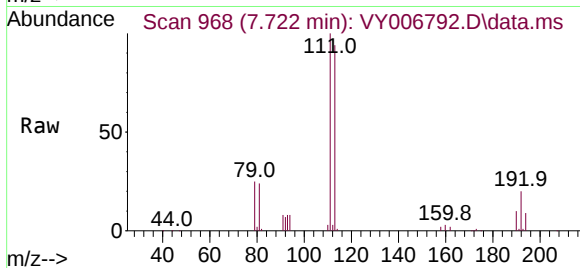
Acq: 17 Nov 2021 16:42

Instrument :

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ClientSampleId :

HB-1-(7.5-8)-11-11-21



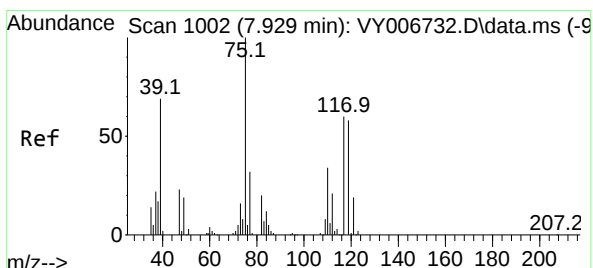
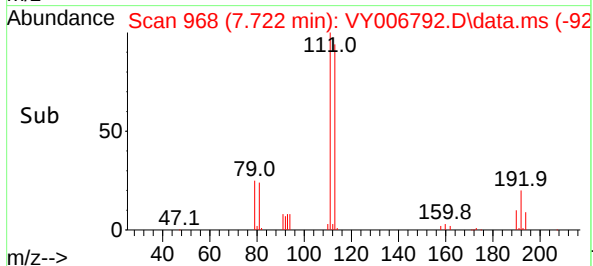
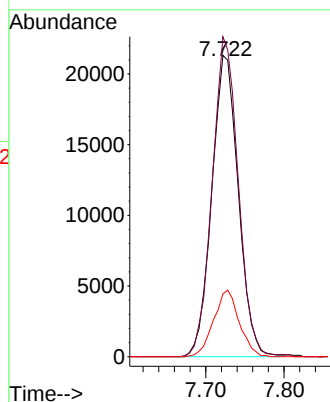
Tgt Ion:113 Resp: 50139

Ion Ratio Lower Upper

113 100

111 104.2 82.3 123.5

192 21.3 17.4 26.2



#36

1,1-Dichloropropene

Concen: 4.459 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY006792.D

Acq: 17 Nov 2021 16:42

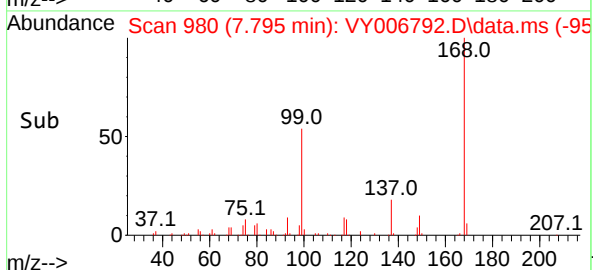
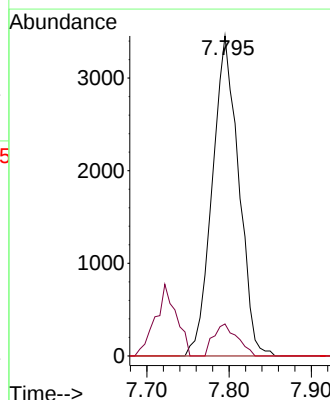
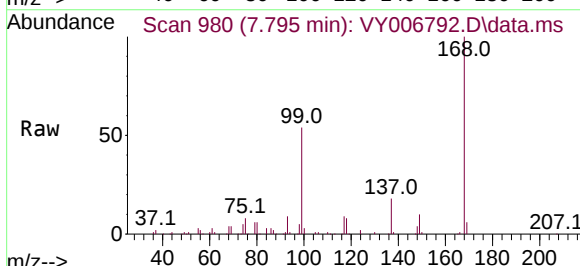
Tgt Ion: 75 Resp: 7712

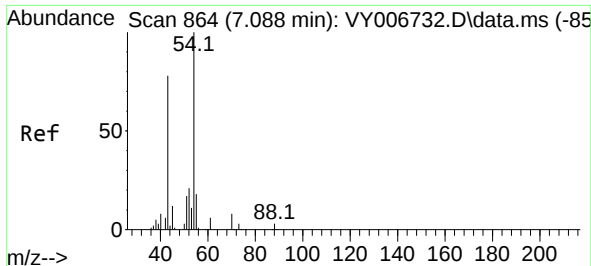
Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.3#

77 0.0 24.9 37.3#

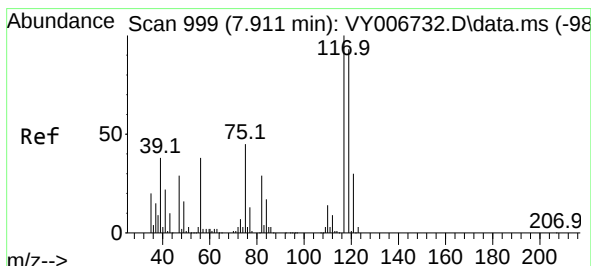
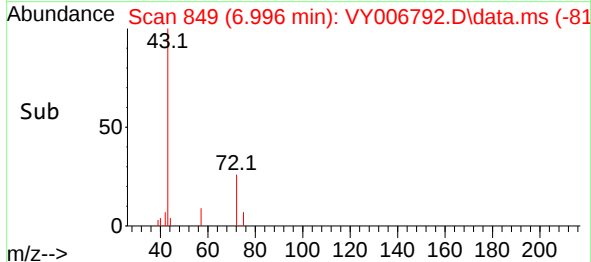
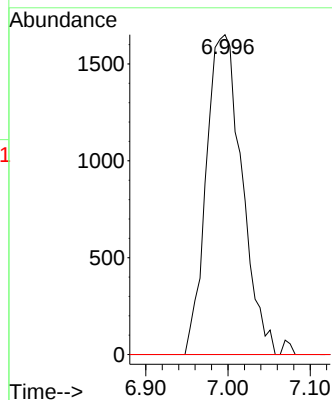
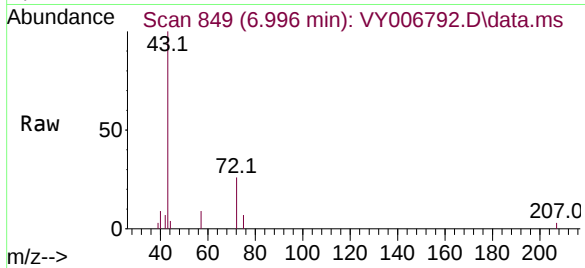




#37
Ethyl Acetate
Concen: 4.297 ug/l
RT: 6.996 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

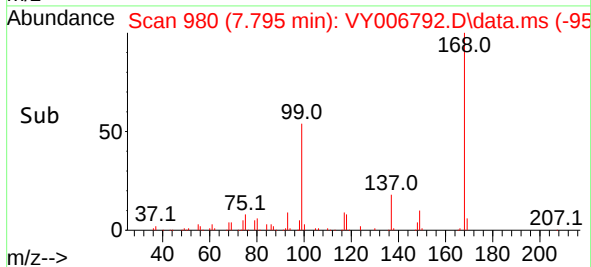
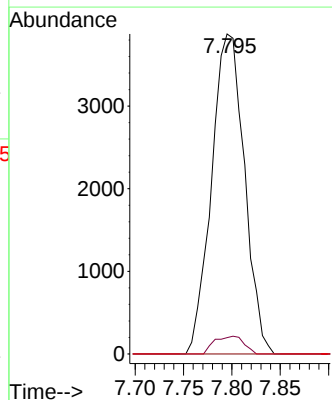
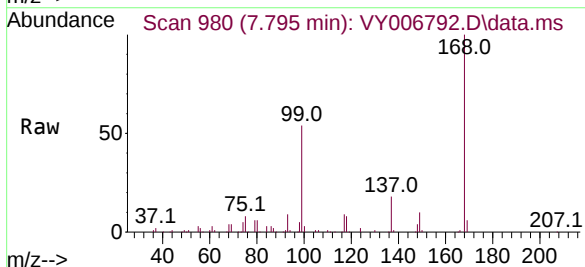
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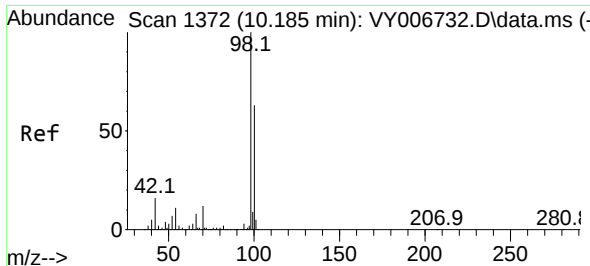
Tgt Ion: 43 Resp: 4969
Ion Ratio Lower Upper
43 100
61 0.0 9.4 14.2#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.174 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

Tgt Ion: 117 Resp: 9153
Ion Ratio Lower Upper
117 100
119 5.1 76.6 115.0#
121 0.0 24.7 37.1#

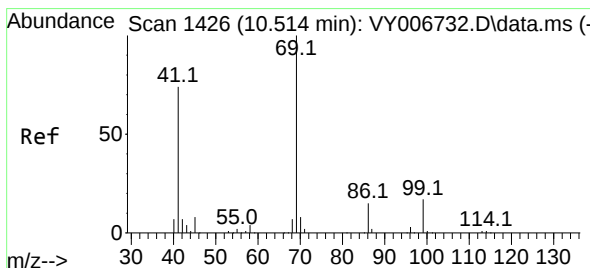
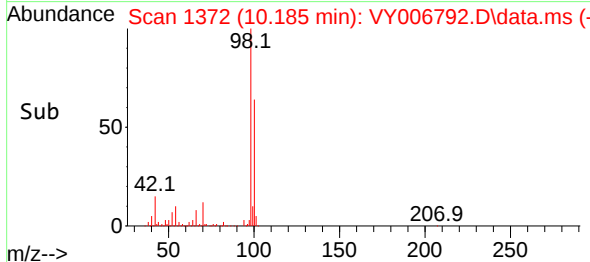
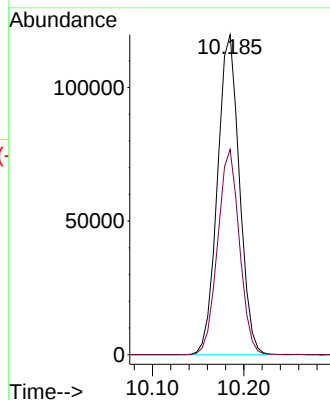
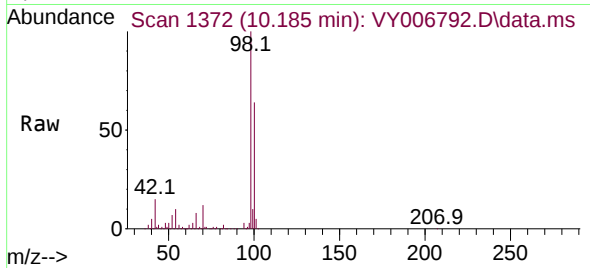




#50
Toluene-d8
Concen: 49.413 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

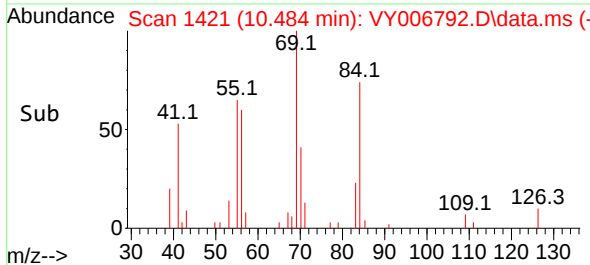
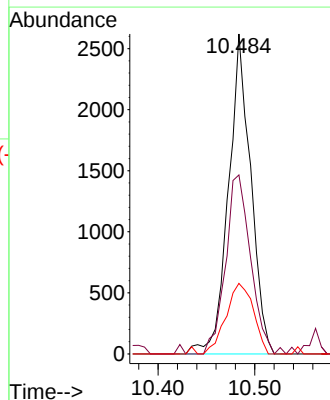
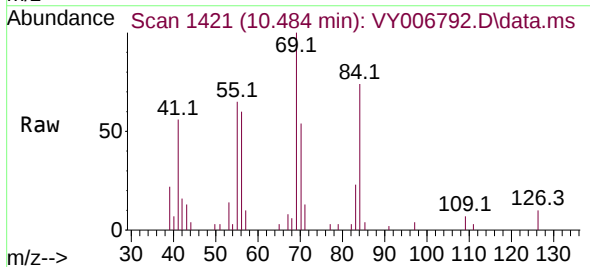
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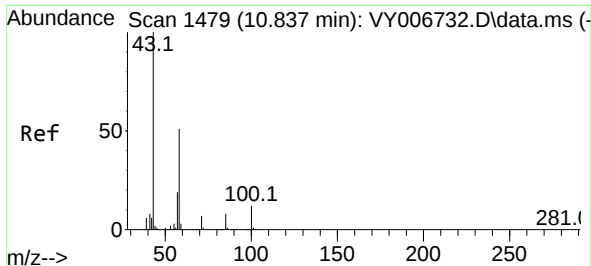
Tgt Ion: 98 Resp: 199862
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#56
Ethyl methacrylate
Concen: 3.090 ug/l
RT: 10.484 min Scan# 1421
Delta R.T. -0.031 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

Tgt Ion: 69 Resp: 4195
Ion Ratio Lower Upper
69 100
41 63.0 62.9 94.3
39 27.0 35.7 53.5#

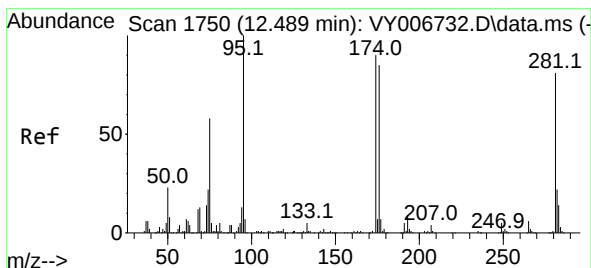
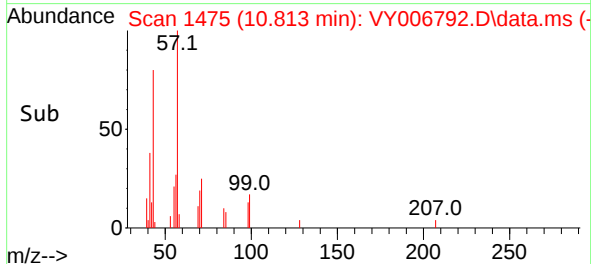
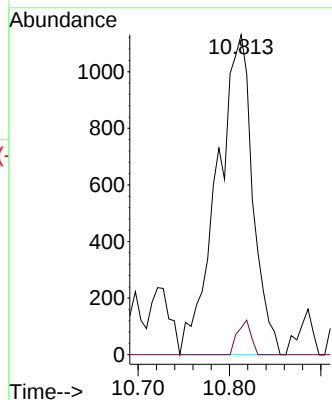
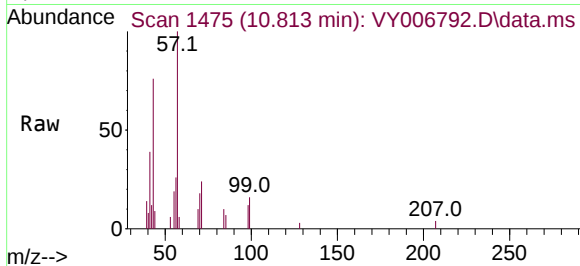




#59
2-Hexanone
Concen: 27.131 ug/l
RT: 10.813 min Scan# 1475
Delta R.T. -0.024 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

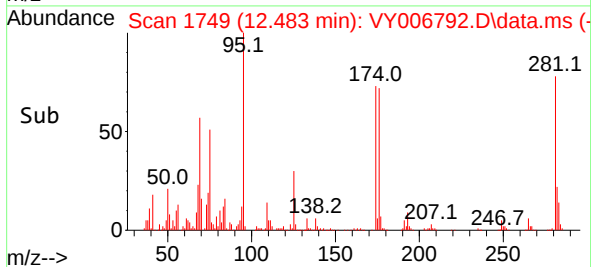
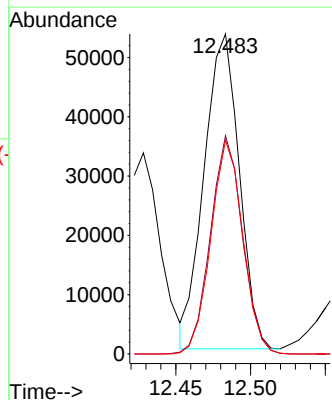
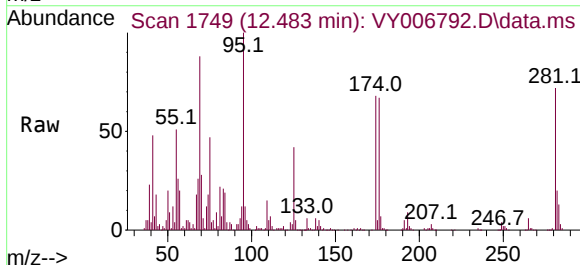
Instrument :
MSVOA_Y
ClientSampleId :
HB-1-(7.5-8)-11-11-21

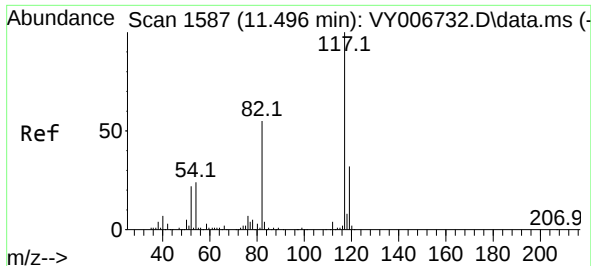
Tgt Ion: 43 Resp: 3072
Ion Ratio Lower Upper
43 100
58 4.0 24.6 73.6#



#62
4-Bromofluorobenzene
Concen: 63.573 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

Tgt Ion: 95 Resp: 86687
Ion Ratio Lower Upper
95 100
174 63.1 0.0 177.0
176 61.7 0.0 169.4

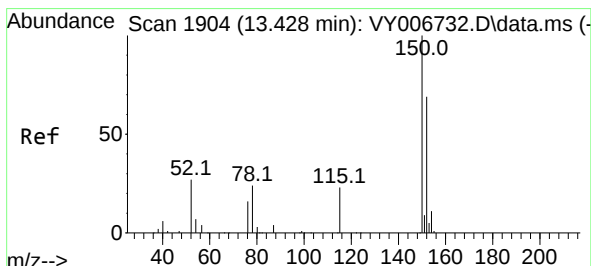
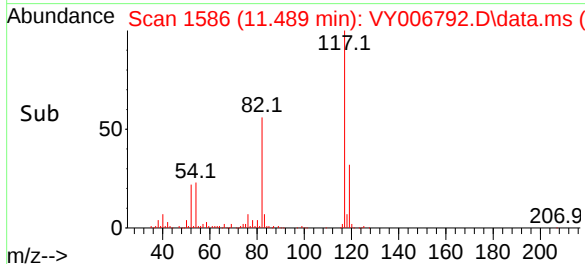
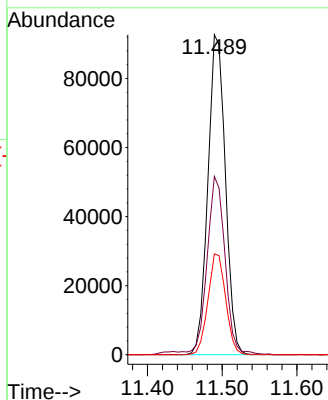
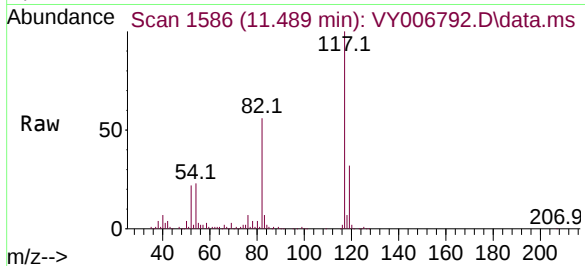




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

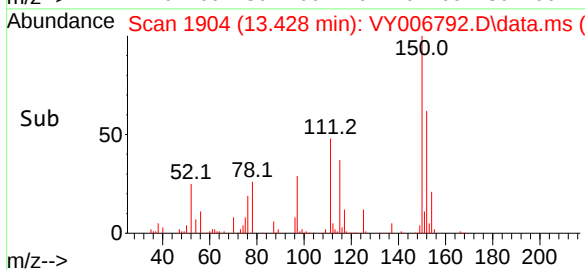
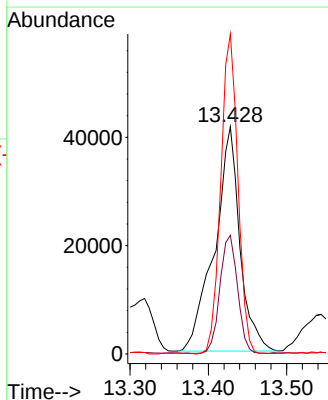
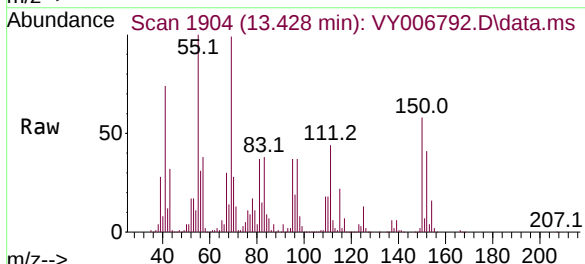
Instrument :
MSVOA_Y
ClientSampleId :
HB-1-(7.5-8)-11-11-21

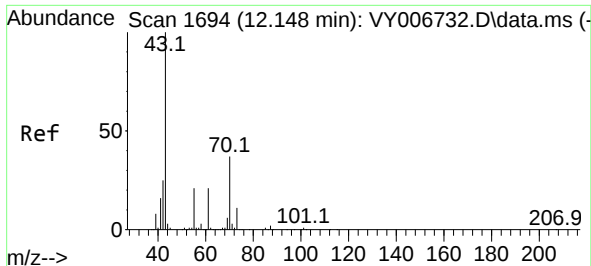
Tgt Ion:117	Resp: 150445		
Ion Ratio	Lower	Upper	
117 100			
82 55.7	45.7	68.5	
119 31.5	25.5	38.3	



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

Tgt Ion:152	Resp: 93355
Ion Ratio	Lower Upper
152 100	
115 36.6	28.5 85.5
150 96.4	0.0 348.2

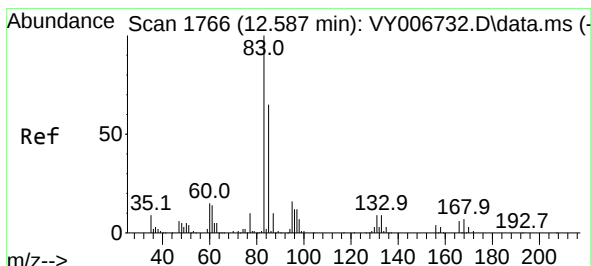
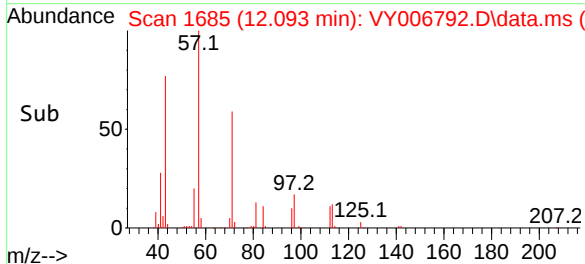
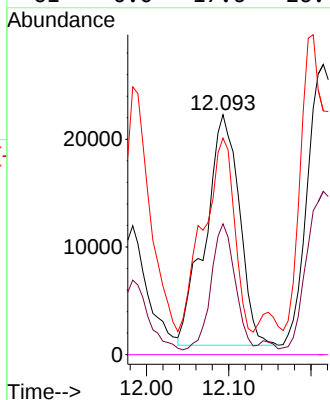
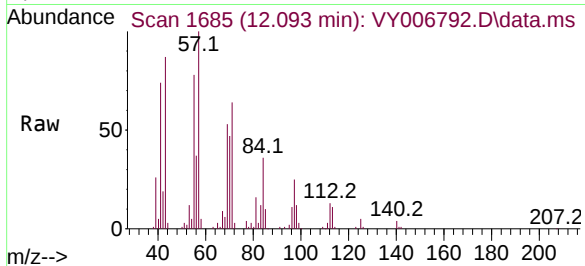




#74
N-amy1 acetate
Concen: 25.527 ug/l
RT: 12.093 min Scan# 1
Delta R.T. -0.055 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

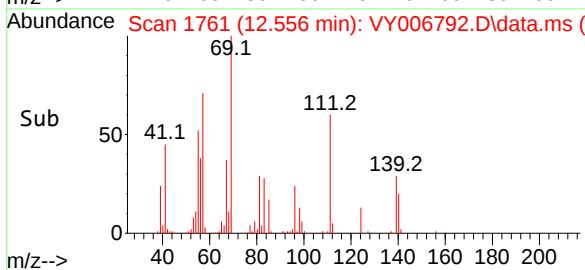
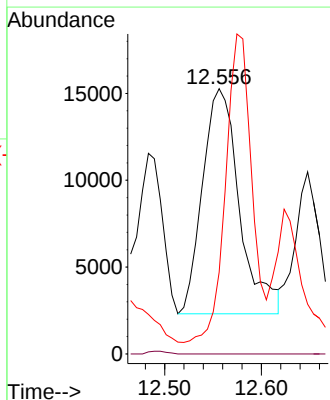
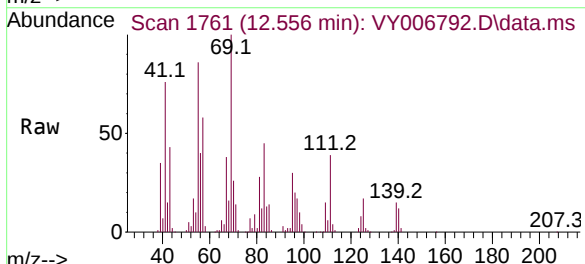
Instrument :
MSVOA_Y
ClientSampleId :
HB-1-(7.5-8)-11-11-21

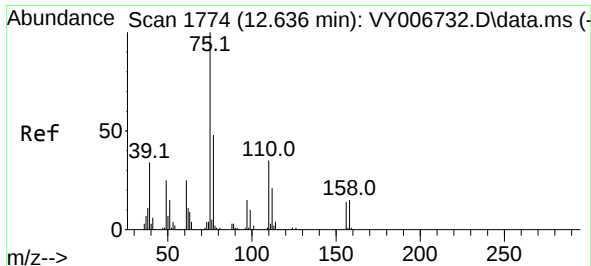
Tgt Ion: 43	Resp: 61507
Ion Ratio	Lower Upper
43	100
70	38.7 29.4 44.0
55	75.5 18.1 27.1#
61	0.0 17.6 26.4#



#75
1,1,2,2-Tetrachloroethane
Concen: 26.114 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.031 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

Tgt Ion: 83	Resp: 34350
Ion Ratio	Lower Upper
83	100
131	0.0 5.5 16.4#
85	97.1 31.9 95.9#

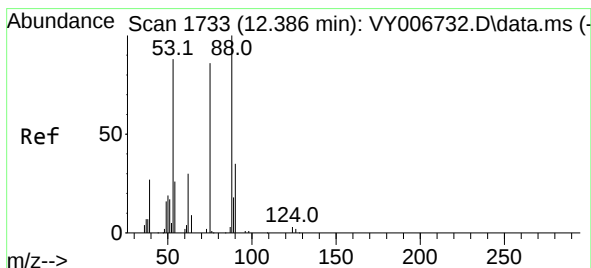
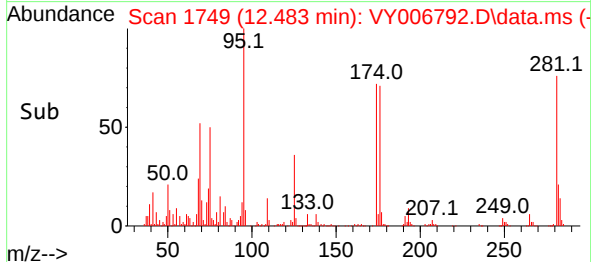
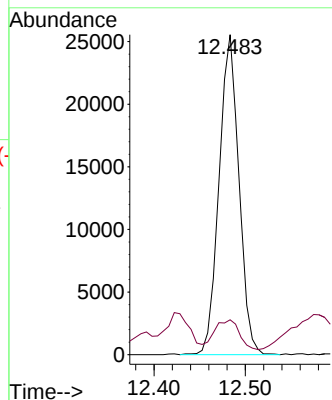
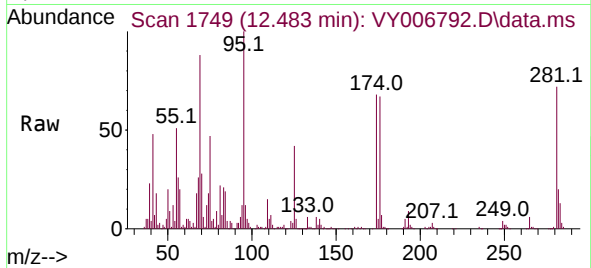




#76
1,2,3-Trichloropropane
Concen: 38.062 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

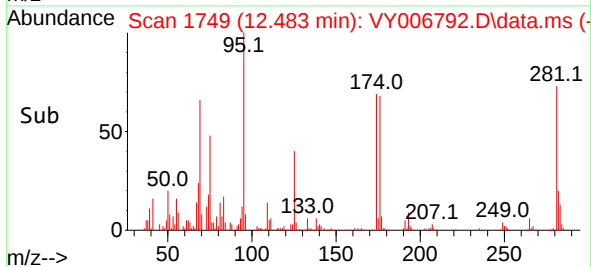
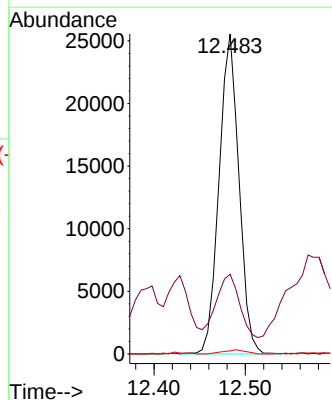
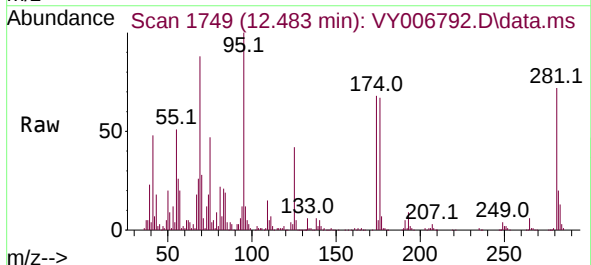
Instrument :
MSVOA_Y
ClientSampleId :
HB-1-(7.5-8)-11-11-21

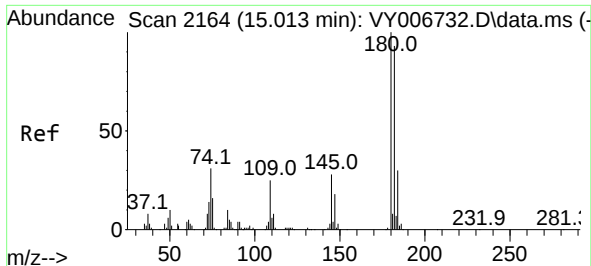
Tgt Ion: 75 Resp: 38632
Ion Ratio Lower Upper
75 100
77 11.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.419 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY006792.D
Acq: 17 Nov 2021 16:42

Tgt Ion: 75 Resp: 38632
Ion Ratio Lower Upper
75 100
53 22.7 85.8 128.6#
89 1.5 39.3 58.9#

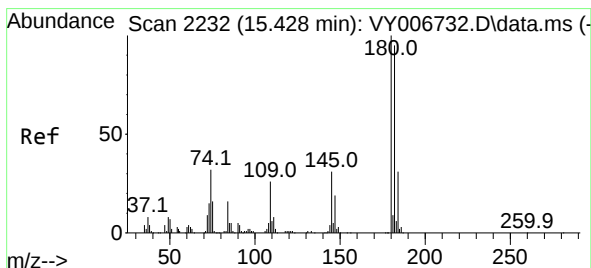
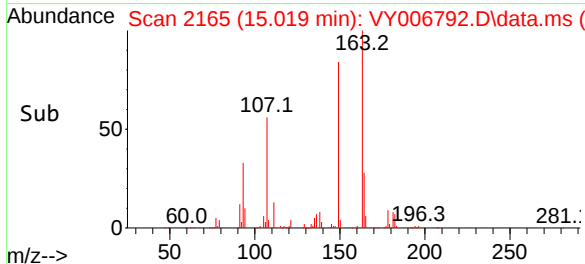
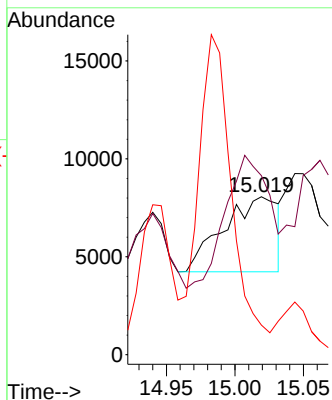
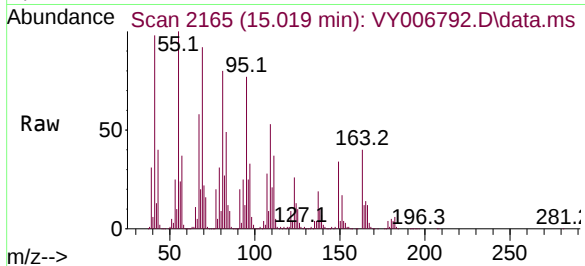




#93
 1,2,4-Trichlorobenzene
 Concen: 5.809 ug/l
 RT: 15.019 min Scan# 2165
 Delta R.T. 0.006 min
 Lab File: VY006792.D
 Acq: 17 Nov 2021 16:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 HB-1-(7.5-8)-11-11-21

Tgt Ion:180 Resp: 10560
 Ion Ratio Lower Upper
 180 100
 182 142.9 47.1 141.4#
 145 0.0 14.5 43.6#



#96
 1,2,3-Trichlorobenzene
 Concen: 9.322 ug/l
 RT: 15.452 min Scan# 2236
 Delta R.T. 0.024 min
 Lab File: VY006792.D
 Acq: 17 Nov 2021 16:42

Tgt Ion:180 Resp: 14122
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.4#
 145 48.0 15.3 45.8#

