

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110321\
 Data File : VY006601.D
 Acq On : 03 Nov 2021 14:46
 Operator : SY/MD
 Sample : M4411-04RE
 Misc : 4.99G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-HHDRE

Quant Time: Nov 03 21:20:07 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)

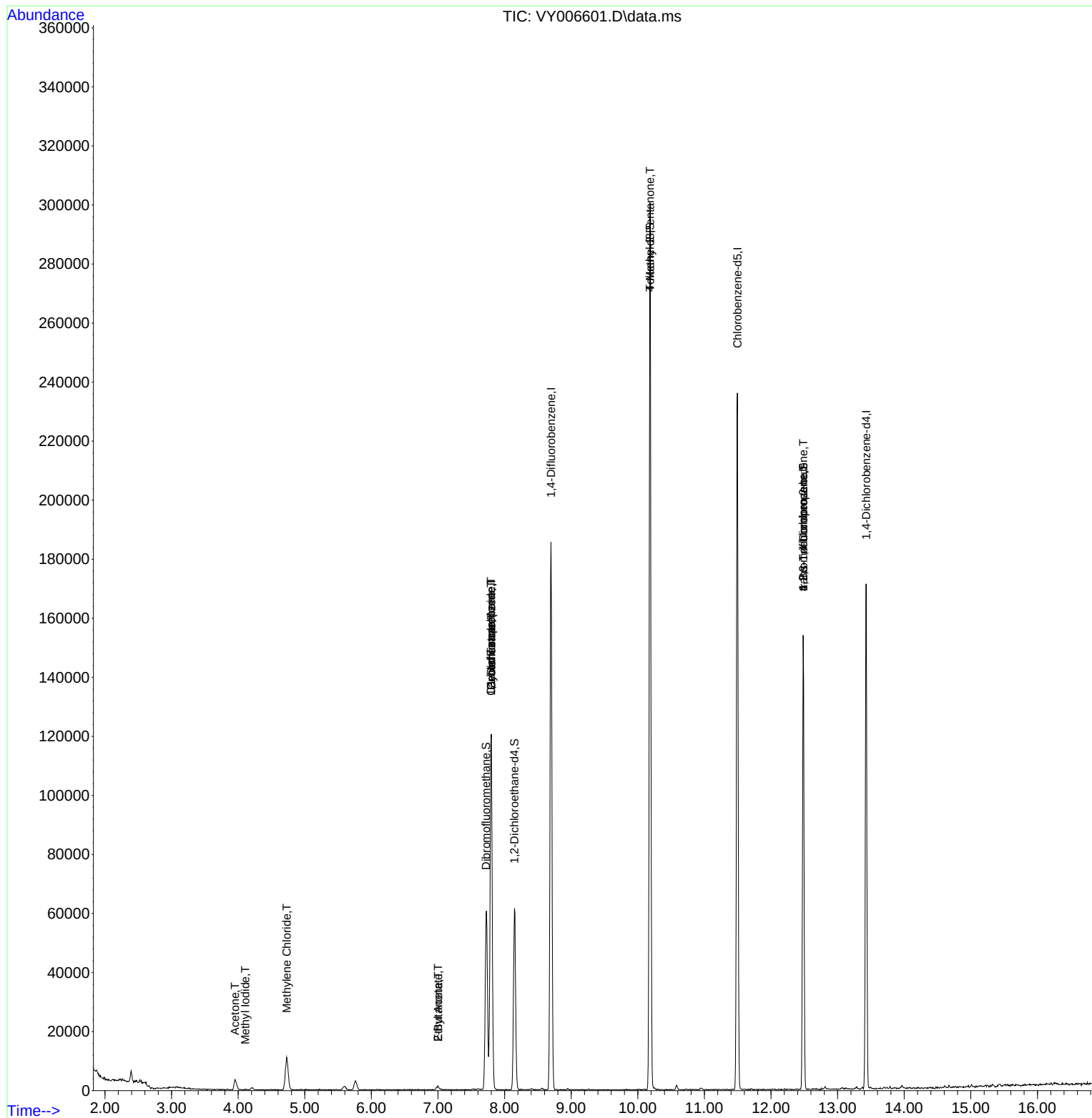
Internal Standards						
1) Pentafluorobenzene	7.801	168	89639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	145695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	119067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	40294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	49341	44.731	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 89.460%			
35) Dibromofluoromethane	7.722	113	41813	51.490	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.980%			
50) Toluene-d8	10.185	98	182875	53.123	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.240%			
62) 4-Bromofluorobenzene	12.483	95	44070	38.004	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 76.000%			
Target Compounds						Qvalue
10) Methyl Iodide	4.107	142	211	5.275	ug/l #	48
16) Acetone	3.954	43	6262	19.715	ug/l	98
20) Methylene Chloride	4.728	84	7034	3.378	ug/l #	91
25) 2-Butanone	7.002	43	2300	5.527	ug/l	99
31) Cyclohexane	7.801	56	2367	1.325	ug/l #	44
36) 1,1-Dichloropropene	7.795	75	7633	5.302	ug/l #	49
37) Ethyl Acetate	7.002	43	2300	2.525	ug/l #	72
38) Carbon Tetrachloride	7.795	117	9248	5.823	ug/l #	16
51) 4-Methyl-2-Pentanone	10.185	43	1028	1.110	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	25519	61.459	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25519	126.173	ug/l #	7

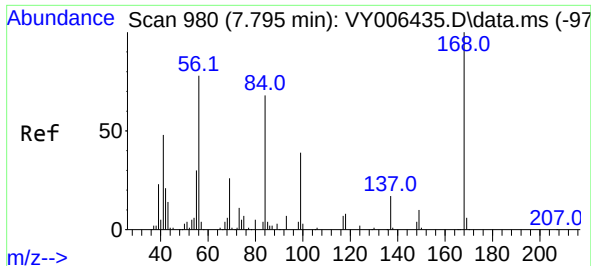
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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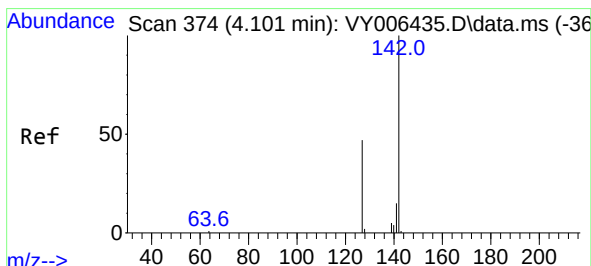
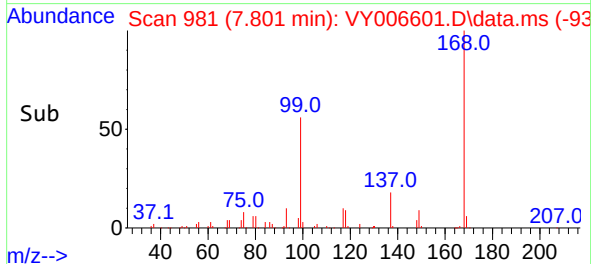
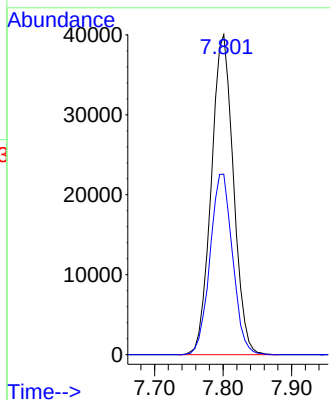
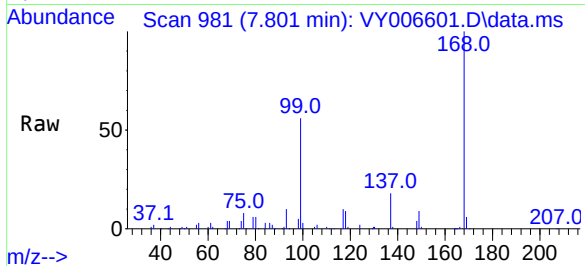




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

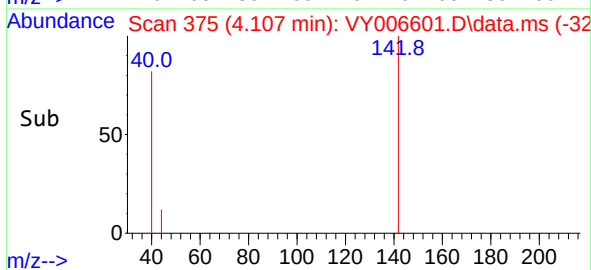
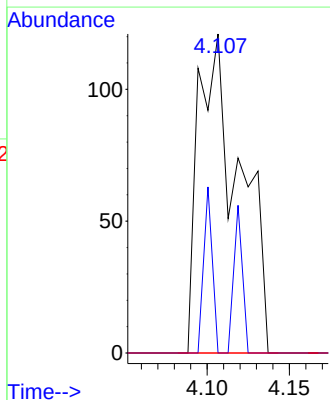
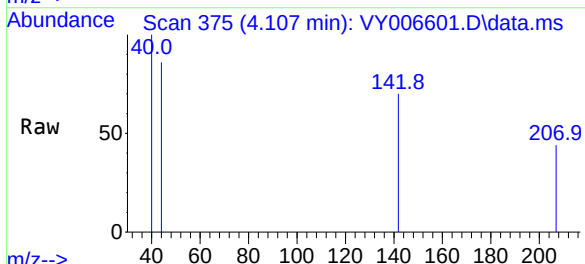
Instrument :
MSVOA_Y
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MH-HHDRE

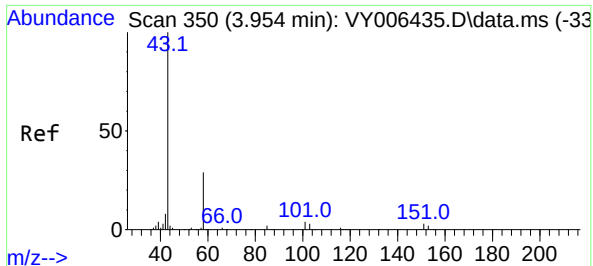
Tgt Ion:168 Resp: 89639
Ion Ratio Lower Upper
168 100
99 56.4 44.8 67.2



#10
Methyl Iodide
Concen: 5.275 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

Tgt Ion:142 Resp: 211
Ion Ratio Lower Upper
142 100
127 10.9 40.1 60.1#
141 0.0 12.5 18.7#

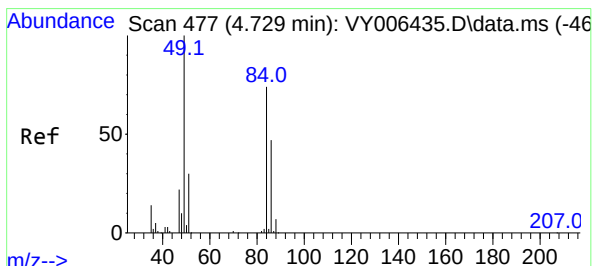
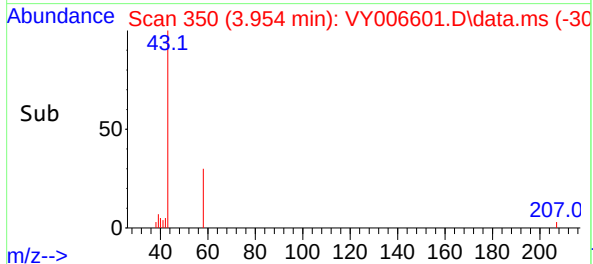
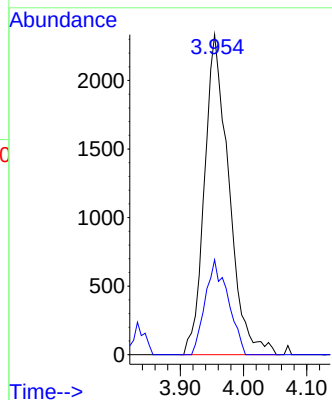
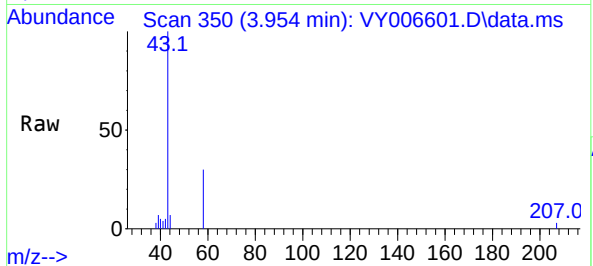




#16
Acetone
Concen: 19.715 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

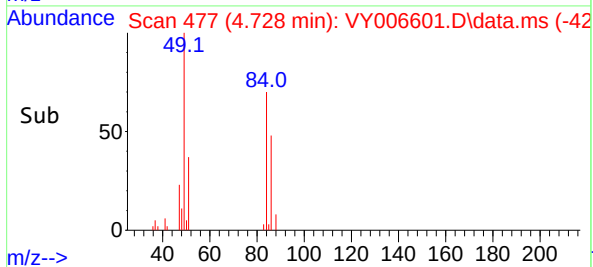
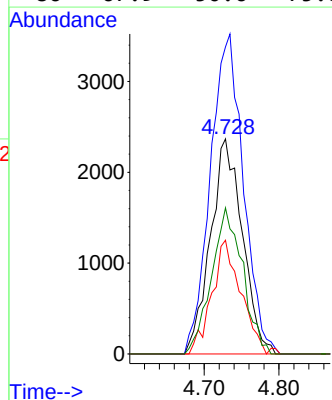
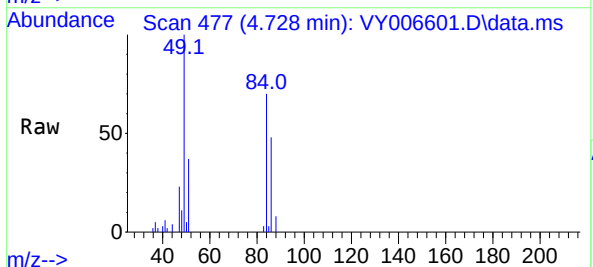
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHDRE

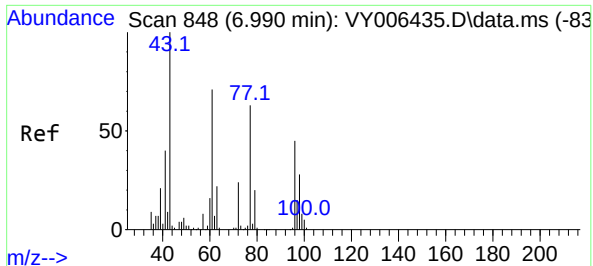
Tgt Ion: 43 Resp: 6262
Ion Ratio Lower Upper
43 100
58 29.6 22.9 34.3



#20
Methylene Chloride
Concen: 3.378 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

Tgt Ion: 84 Resp: 7034
Ion Ratio Lower Upper
84 100
49 142.8 107.8 161.8
51 52.9 32.8 49.2#
86 67.9 50.6 75.8

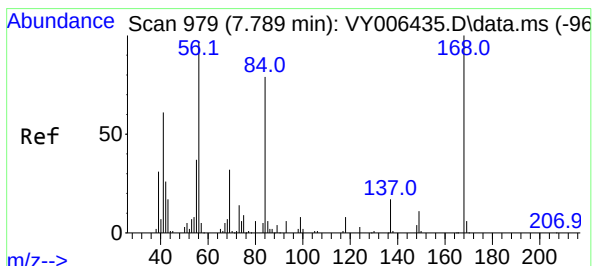
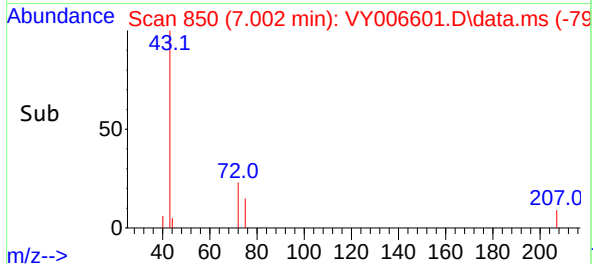
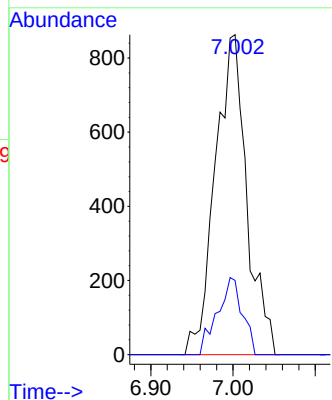
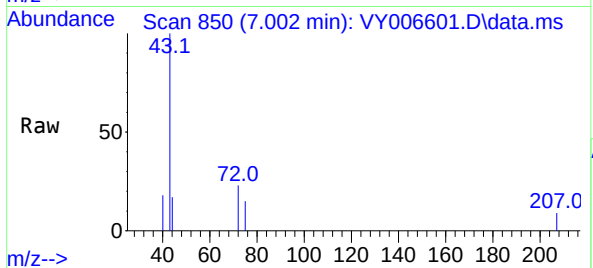




#25
2-Butanone
Concen: 5.527 ug/l
RT: 7.002 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

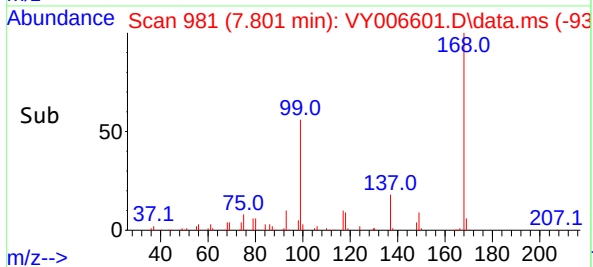
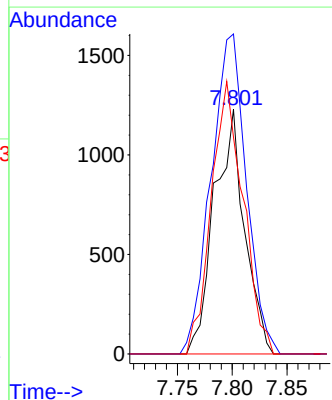
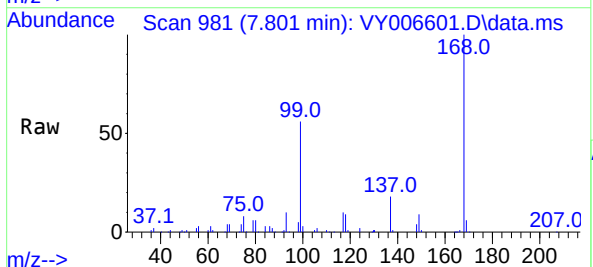
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHDRE

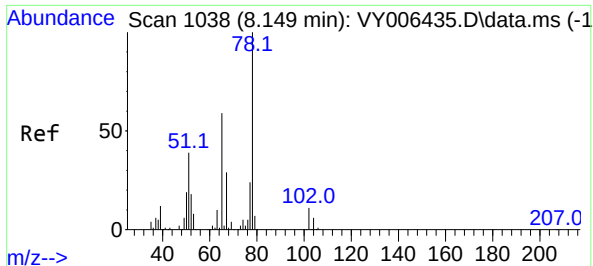
Tgt Ion: 43 Resp: 2300
Ion Ratio Lower Upper
43 100
72 23.2 18.9 28.3



#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

Tgt Ion: 56 Resp: 2367
Ion Ratio Lower Upper
56 100
69 130.8 26.6 40.0#
84 88.7 65.0 97.4





#33

1,2-Dichloroethane-d4

Concen: 44.731 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY006601.D

Acq: 03 Nov 2021 14:46

Instrument :

MSVOA_Y

ClientSampleId :

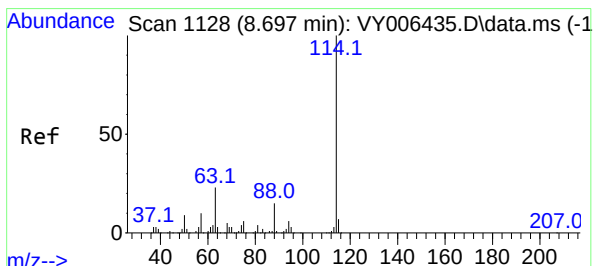
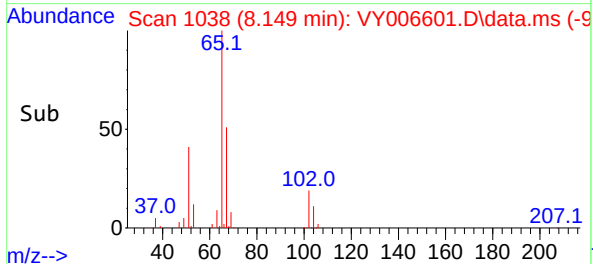
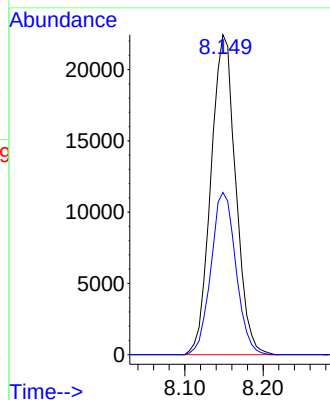
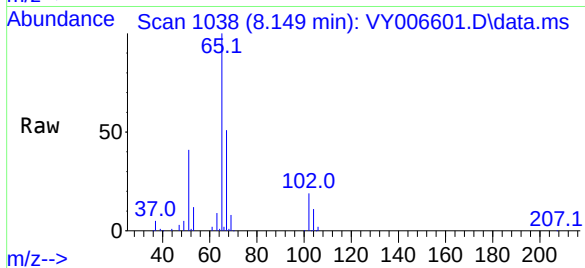
MH-HHDRE

Tgt Ion: 65 Resp: 49341

Ion Ratio Lower Upper

65 100

67 51.0 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: VY006601.D

Acq: 03 Nov 2021 14:46

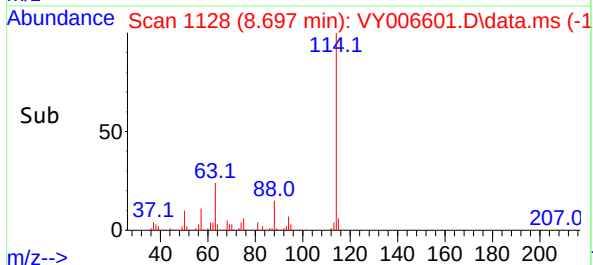
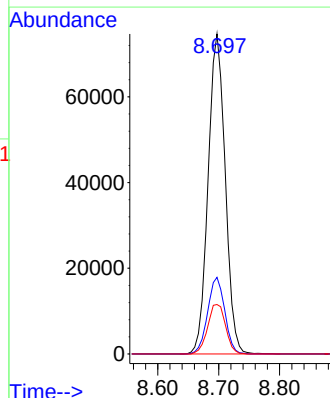
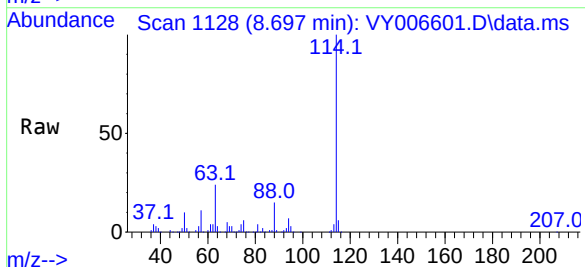
Tgt Ion: 114 Resp: 145695

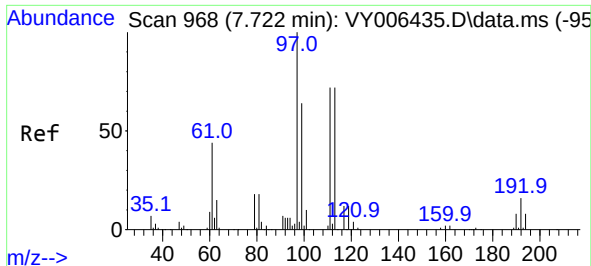
Ion Ratio Lower Upper

114 100

63 24.0 0.0 45.0

88 15.4 0.0 30.6

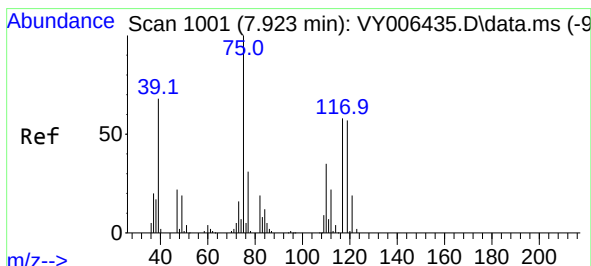
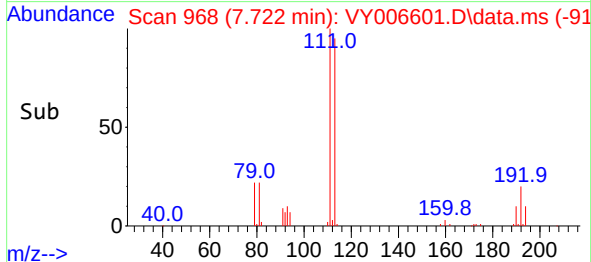
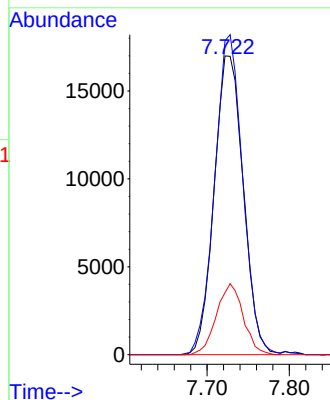
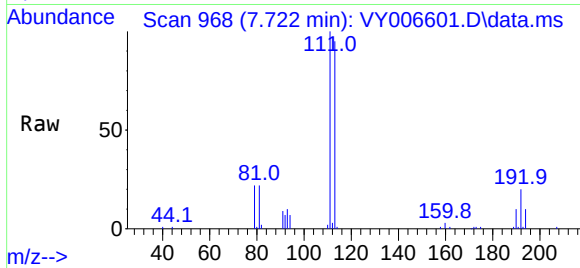




#35
Dibromofluoromethane
Concen: 51.490 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

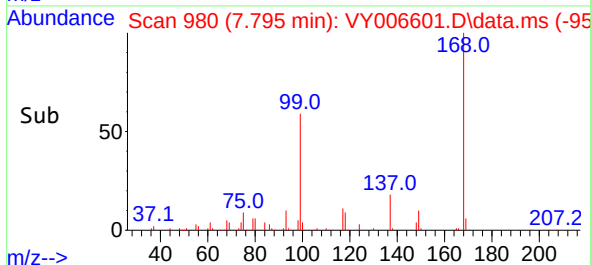
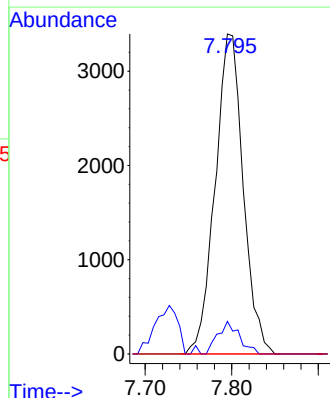
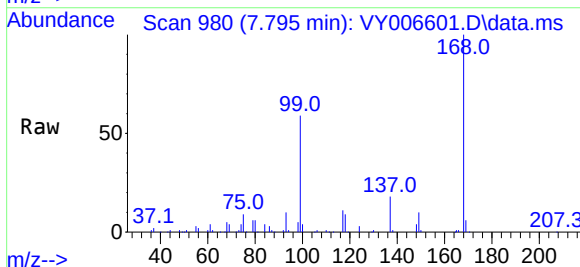
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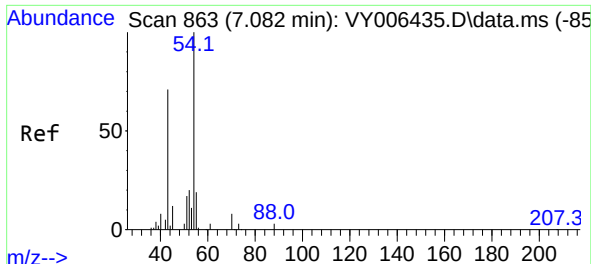
Tgt Ion:113 Resp: 41813
Ion Ratio Lower Upper
113 100
111 103.2 82.3 123.5
192 21.9 17.4 26.2



#36
1,1-Dichloropropene
Concen: 5.302 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

Tgt Ion: 75 Resp: 7633
Ion Ratio Lower Upper
75 100
110 7.8 17.1 51.3#
77 0.0 24.9 37.3#

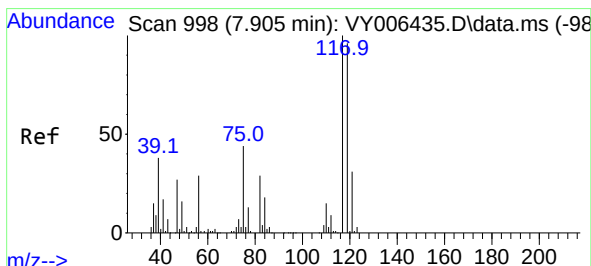
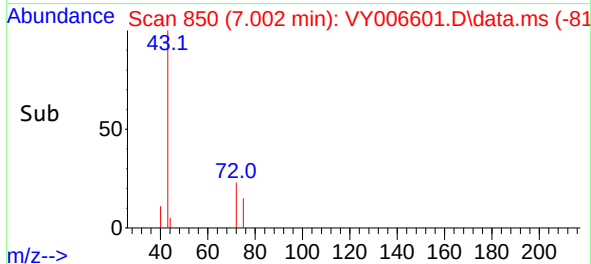
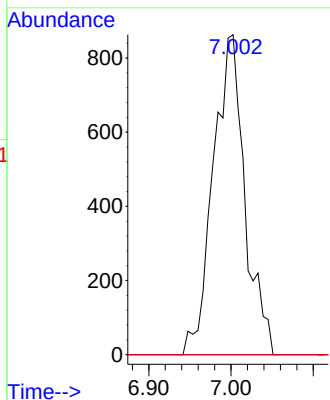
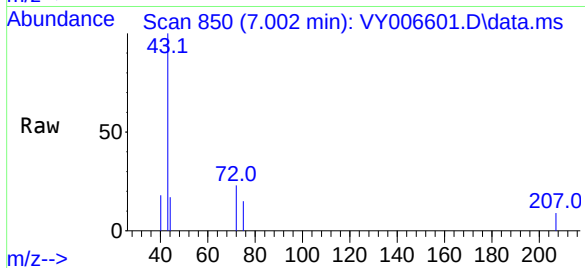




#37
Ethyl Acetate
Concen: 2.525 ug/l
RT: 7.002 min Scan# 81
Delta R.T. -0.079 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

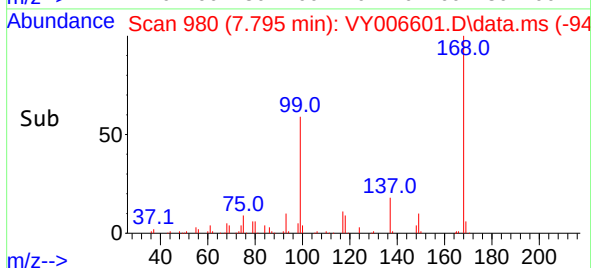
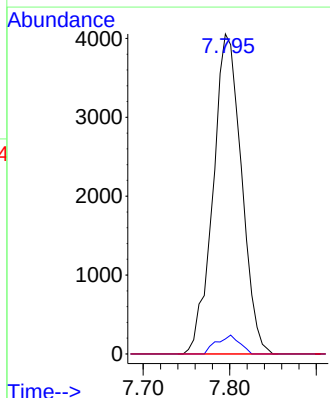
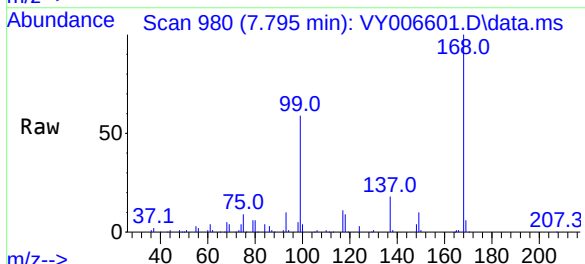
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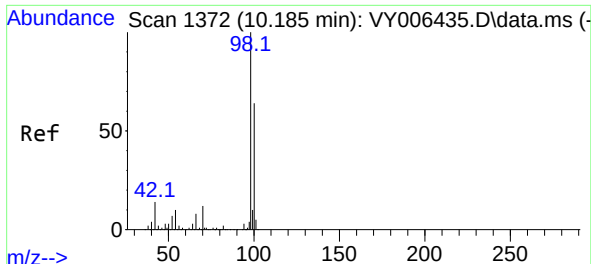
Tgt Ion: 43 Resp: 2300
Ion Ratio Lower Upper
43 100
61 0.0 9.4 14.2#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.823 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

Tgt Ion: 117 Resp: 9248
Ion Ratio Lower Upper
117 100
119 4.7 76.6 115.0#
121 0.0 24.7 37.1#

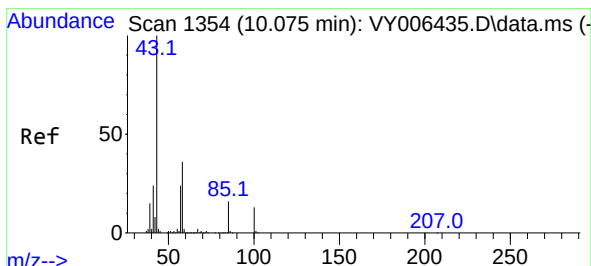
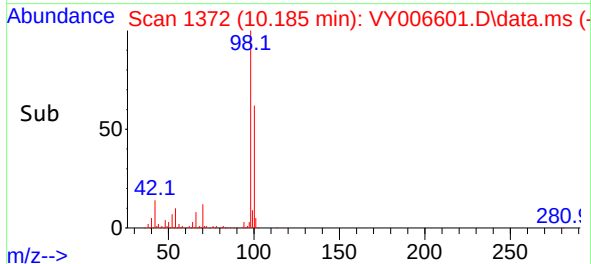
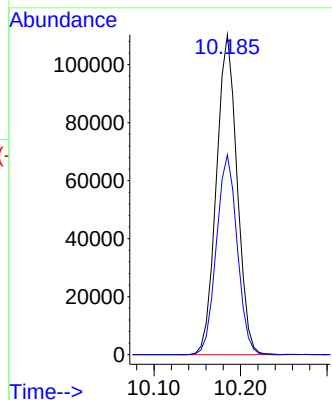
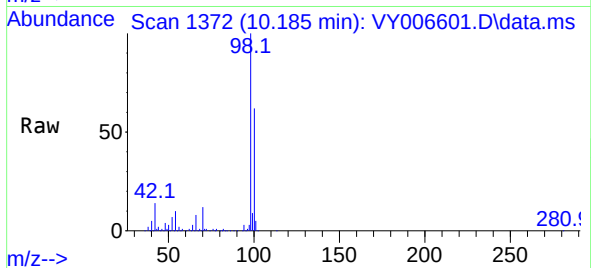




#50
Toluene-d8
Concen: 53.123 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

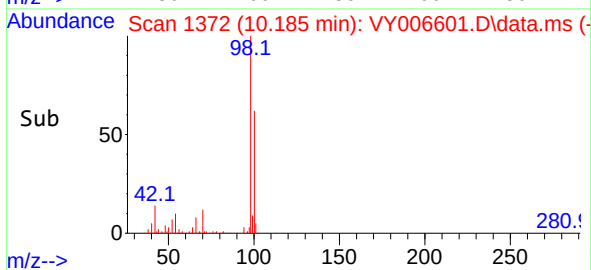
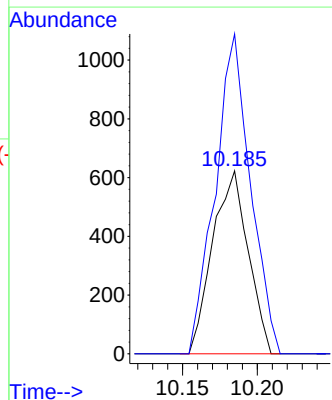
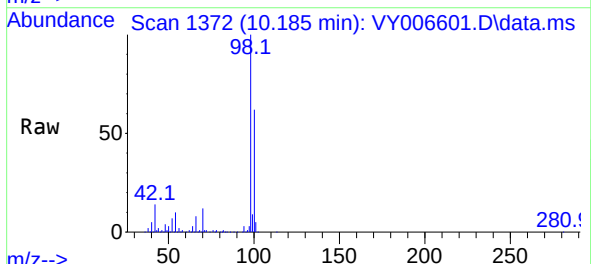
Instrument :
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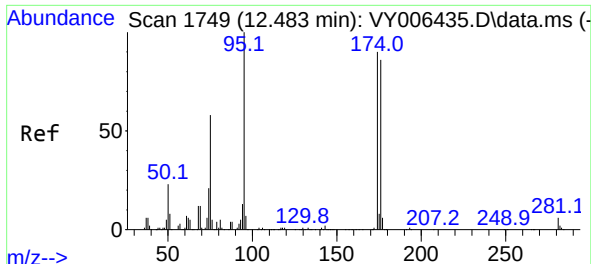
Tgt Ion: 98 Resp: 182875
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.110 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 173.5 28.7 43.1#

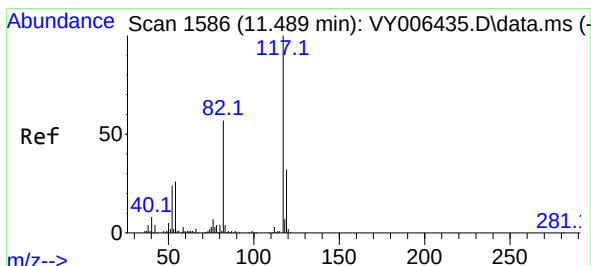
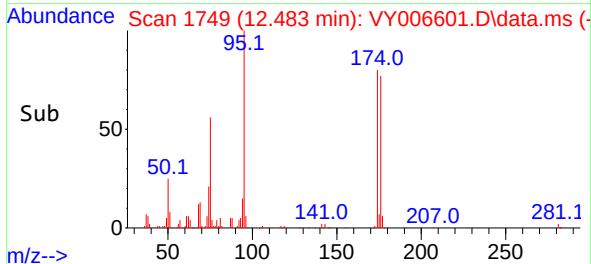
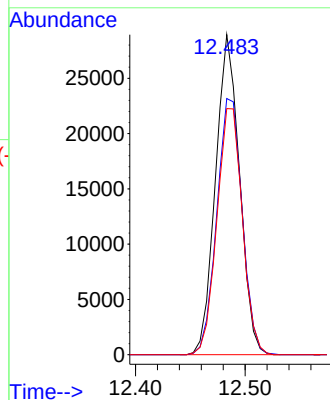
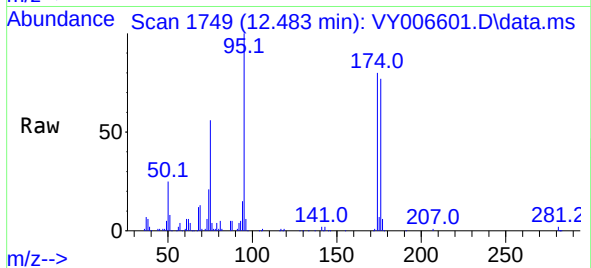




#62
4-Bromofluorobenzene
Concen: 38.004 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

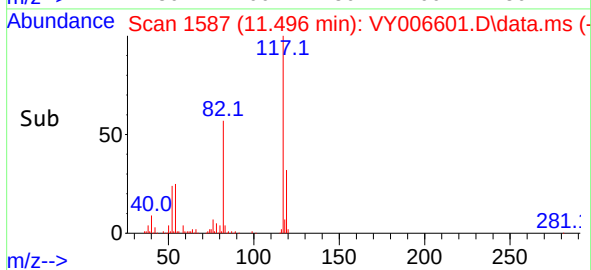
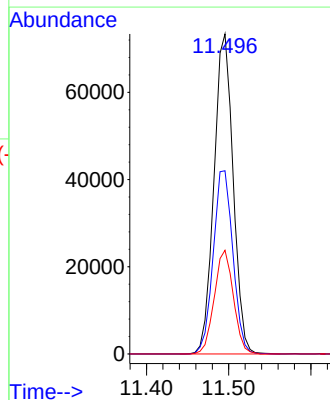
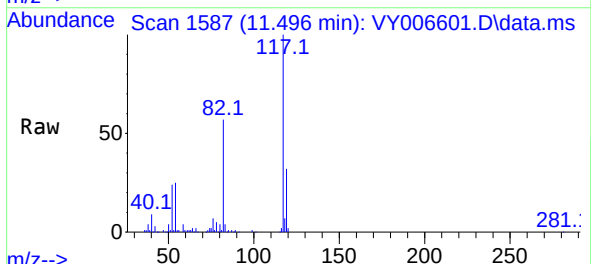
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHDRE

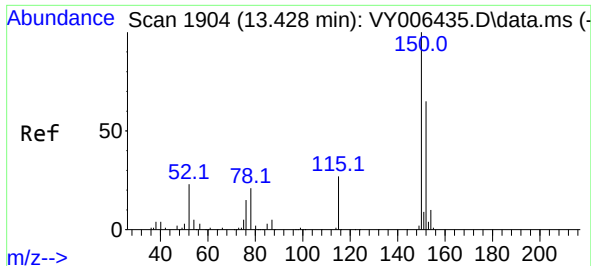
Tgt Ion: 95 Resp: 44070
Ion Ratio Lower Upper
95 100
174 84.5 0.0 177.0
176 81.4 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

Tgt Ion: 117 Resp: 119067
Ion Ratio Lower Upper
117 100
82 57.3 45.7 68.5
119 32.4 25.5 38.3

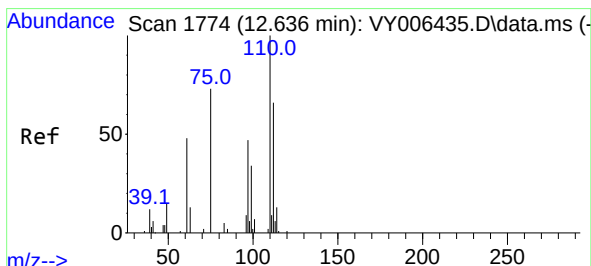
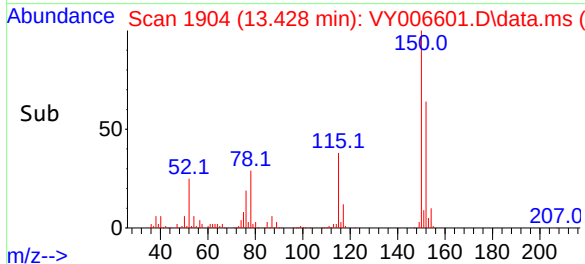
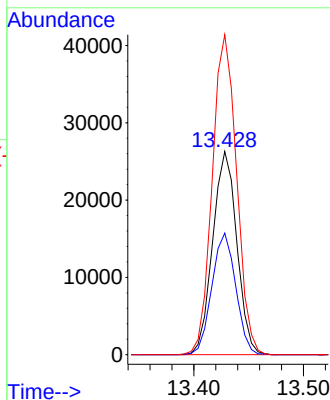
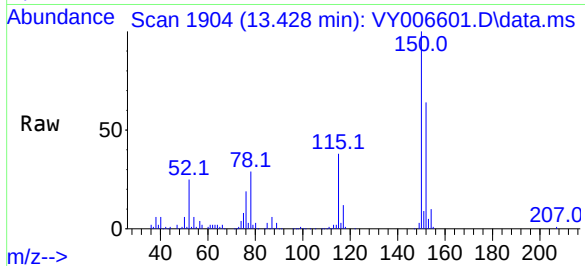




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

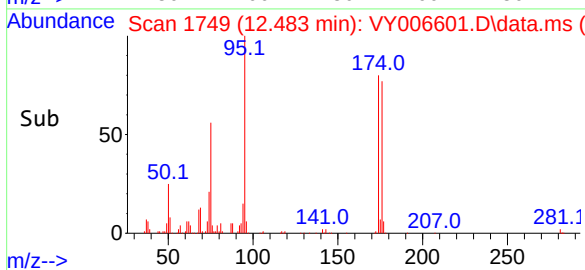
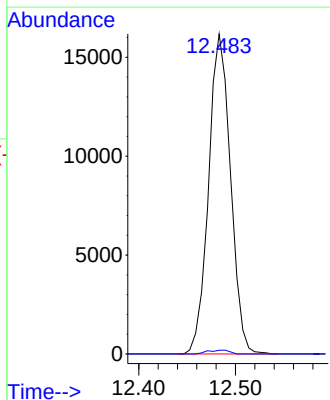
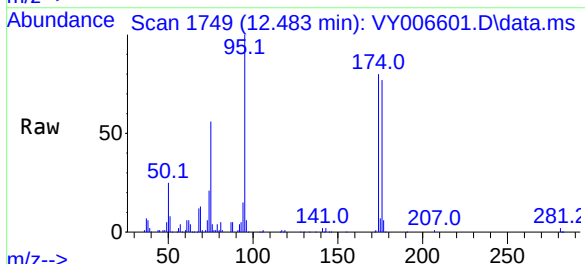
Instrument :
MSVOA_Y
ClientSampleId :
MH-HHDRE

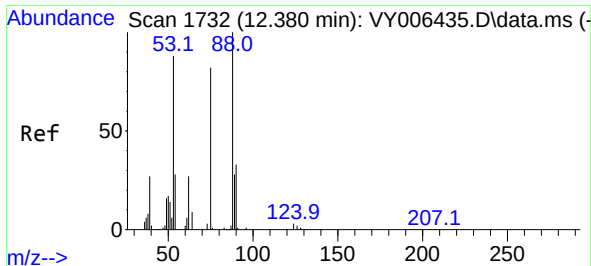
Tgt Ion:152 Resp: 40294
Ion Ratio Lower Upper
152 100
115 59.2 28.5 85.5
150 158.5 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 61.459 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006601.D
Acq: 03 Nov 2021 14:46

Tgt Ion: 75 Resp: 25519
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.173 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY006601.D
 Acq: 03 Nov 2021 14:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-HHDRE

Tgt Ion: 75 Resp: 25519
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.0 39.3 58.9#

