

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112621\
 Data File : VY006897.D
 Acq On : 26 Nov 2021 14:09
 Operator : SY/MD
 Sample : M4782-01
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 29 03:03:22 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)

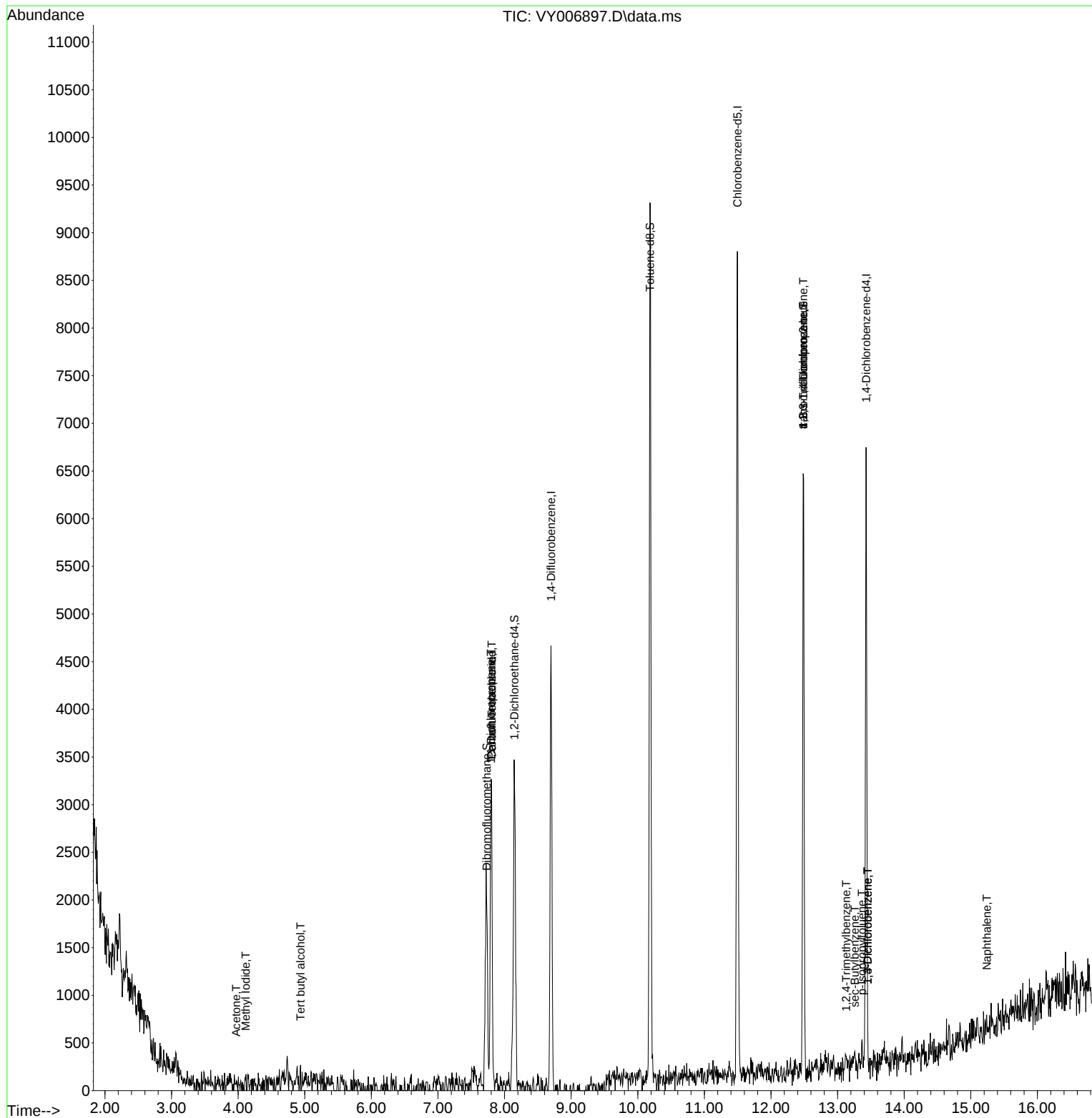
Internal Standards						
1) Pentafluorobenzene	7.807	168	2986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	4572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	4749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2795	71.419	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.840%			
35) Dibromofluoromethane	7.734	113	1581	56.297	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.600%			
50) Toluene-d8	10.185	98	6064	52.181	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.360%			
62) 4-Bromofluorobenzene	12.483	95	1926	49.161	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.320%			
Target Compounds						Qvalue
10) Methyl Iodide	4.113	142	42	1.153	ug/l #	36
11) Tert butyl alcohol	4.936	59	41	6.966	ug/l #	72
16) Acetone	3.973	43	165	13.877	ug/l #	46
36) 1,1-Dichloropropene	7.795	75	162	3.260	ug/l #	42
38) Carbon Tetrachloride	7.807	117	226	4.446	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	1138	59.203	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1138	117.309	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.130	105	138	1.253	ug/l #	31
85) sec-Butylbenzene	13.258	105	162	1.135	ug/l #	56
86) p-Isopropyltoluene	13.367	119	187	1.548	ug/l #	60
87) 1,3-Dichlorobenzene	13.453	146	83	1.359	ug/l #	25
88) 1,4-Dichlorobenzene	13.453	146	83	1.377	ug/l #	25
95) Naphthalene	15.239	128	89	1.397	ug/l #	68

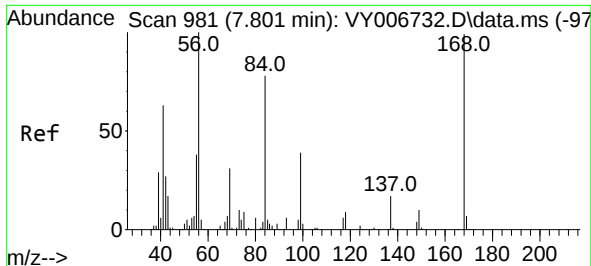
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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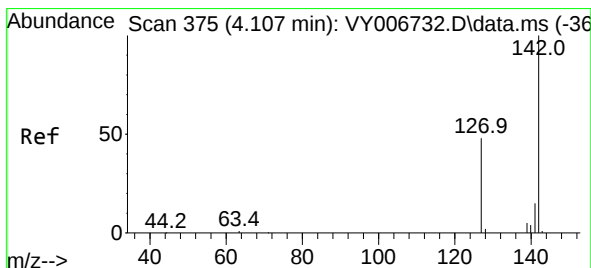
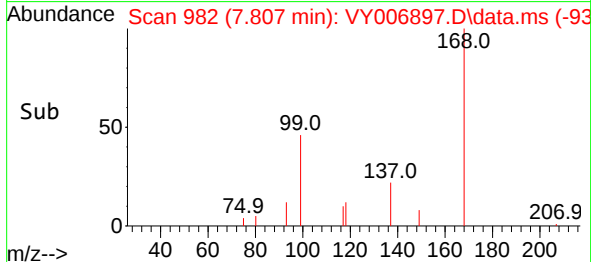
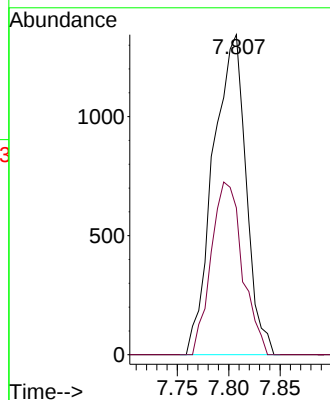
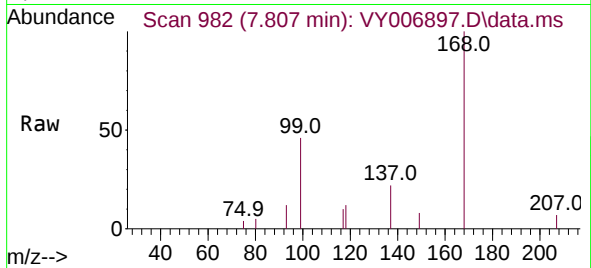




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

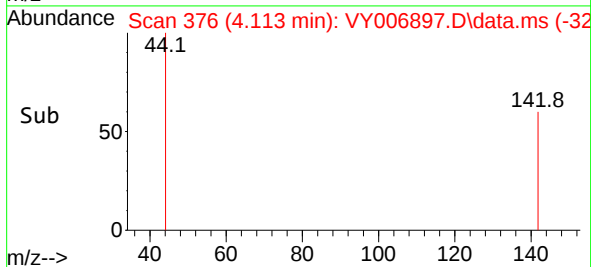
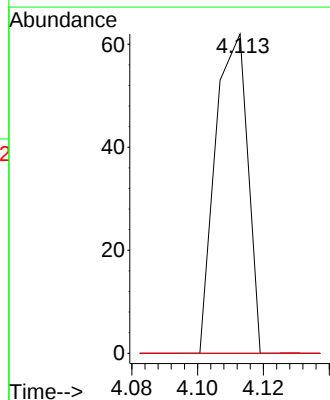
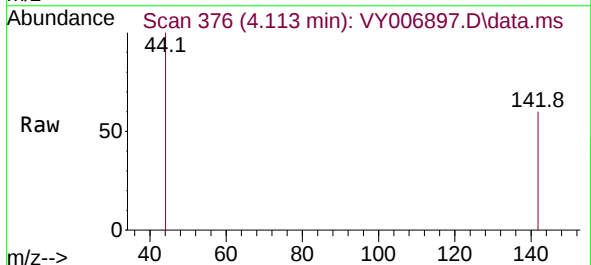
Instrument :
MSVOA_Y
ClientSampleId :

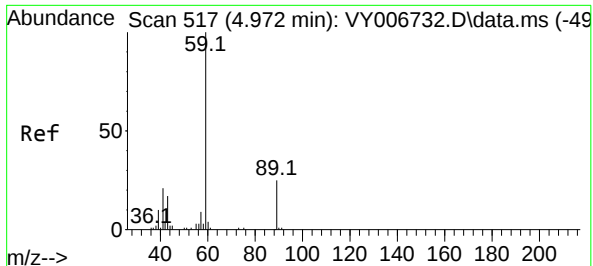
Tgt Ion:168 Resp: 2986
Ion Ratio Lower Upper
168 100
99 45.9 44.8 67.2



#10
Methyl Iodide
Concen: 1.153 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

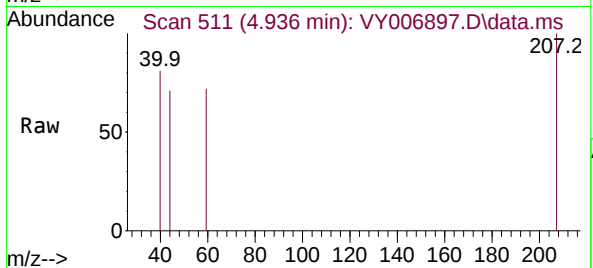
Tgt Ion:142 Resp: 42
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#



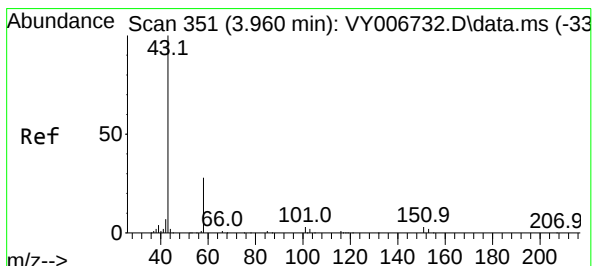
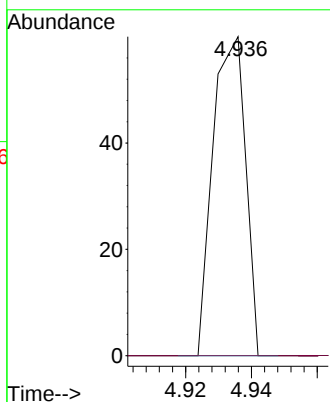
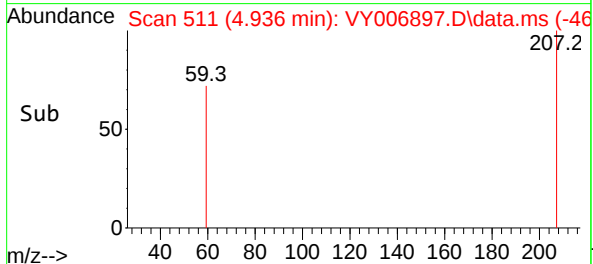


#11
Tert butyl alcohol
Concen: 6.966 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

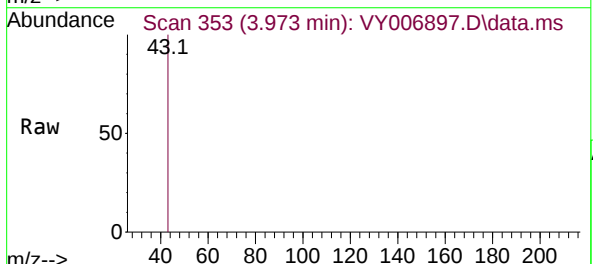
Instrument :
MSVOA_Y
ClientSampleId :



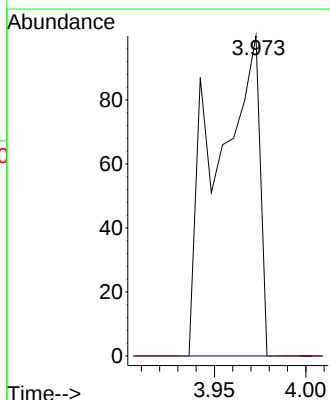
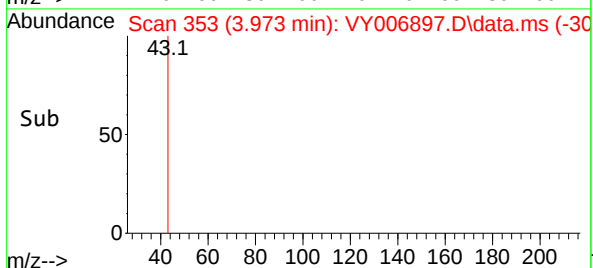
Tgt Ion: 59 Resp: 41
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

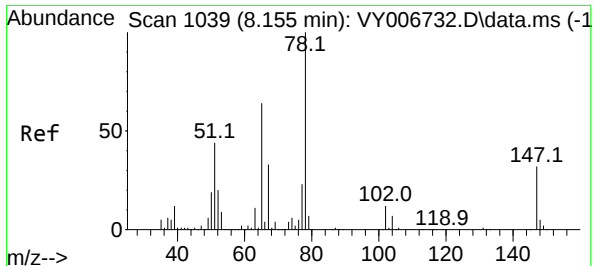


#16
Acetone
Concen: 13.877 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09



Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#





#33

1,2-Dichloroethane-d4

Concen: 71.419 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY006897.D

Acq: 26 Nov 2021 14:09

Instrument :

MSVOA_Y

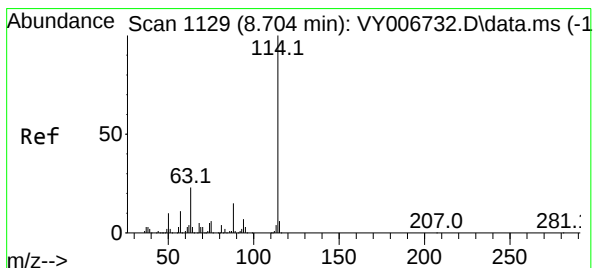
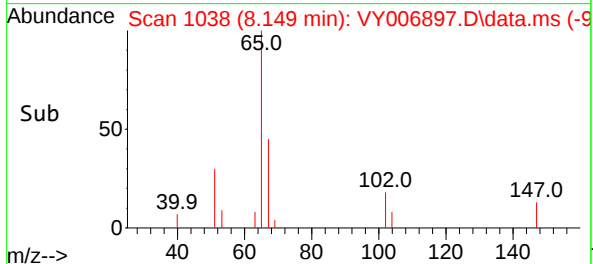
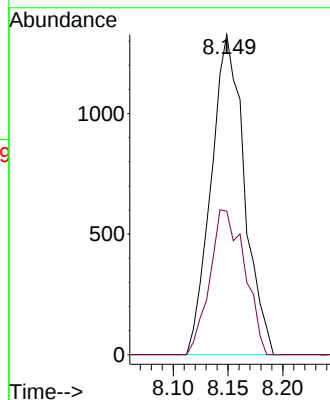
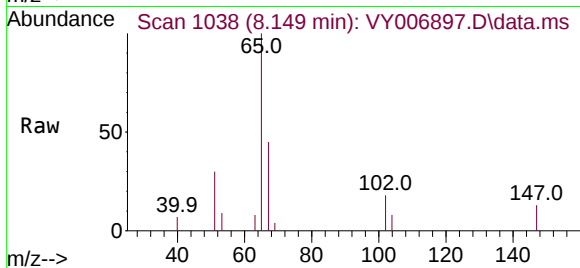
ClientSampleId :

Tgt Ion: 65 Resp: 2795

Ion Ratio Lower Upper

65 100

67 47.6 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: VY006897.D

Acq: 26 Nov 2021 14:09

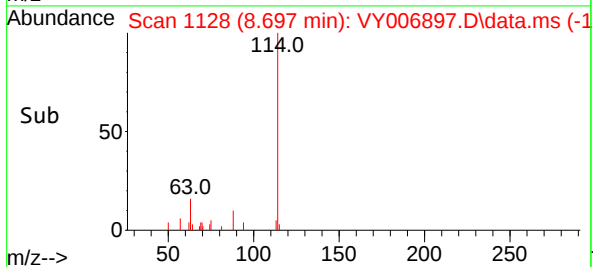
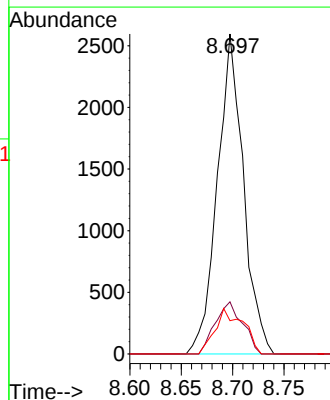
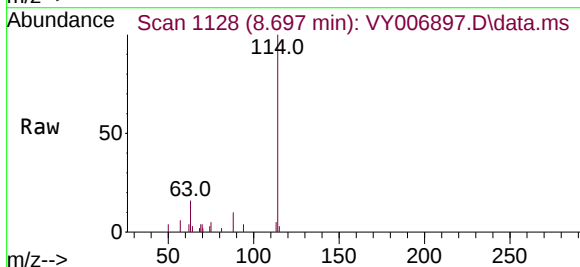
Tgt Ion: 114 Resp: 4572

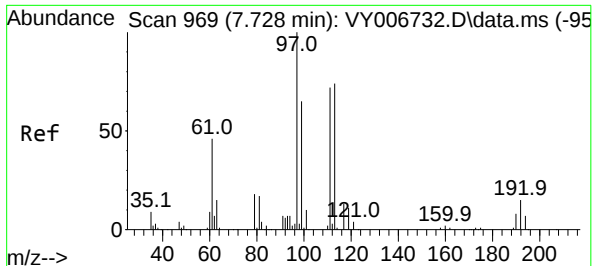
Ion Ratio Lower Upper

114 100

63 16.3 0.0 45.0

88 10.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.297 ug/l

RT: 7.734 min Scan# 91

Delta R.T. 0.006 min

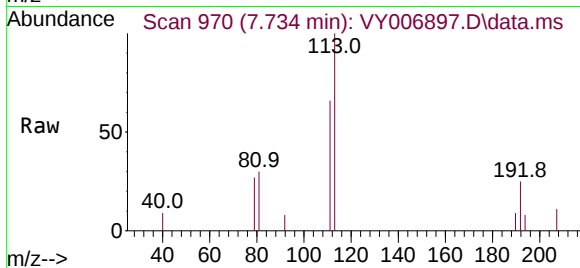
Lab File: VY006897.D

Acq: 26 Nov 2021 14:09

Instrument :

MSVOA_Y

ClientSampleId :



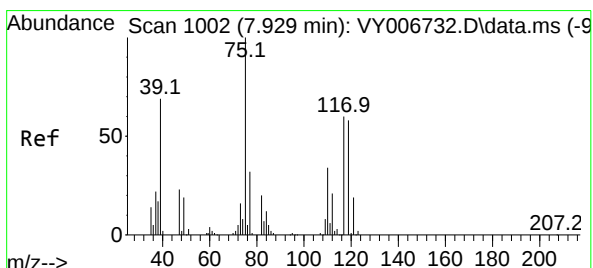
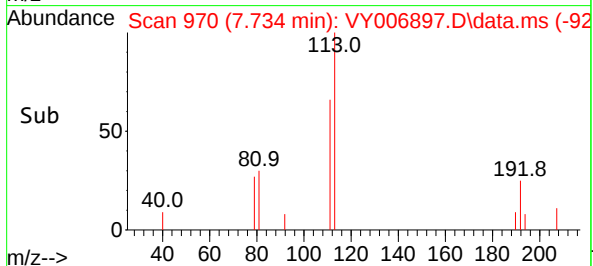
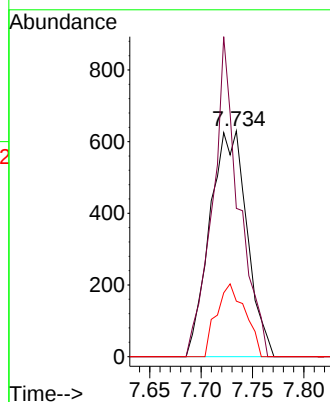
Tgt Ion:113 Resp: 1581

Ion Ratio Lower Upper

113 100

111 100.1 82.3 123.5

192 24.9 17.4 26.2



#36

1,1-Dichloropropene

Concen: 3.260 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY006897.D

Acq: 26 Nov 2021 14:09

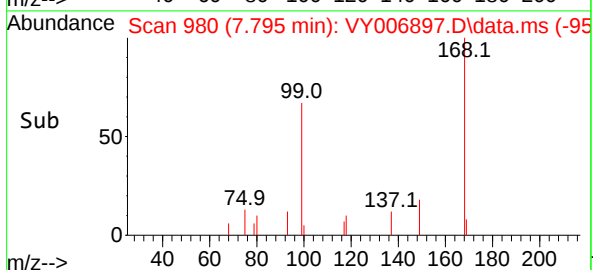
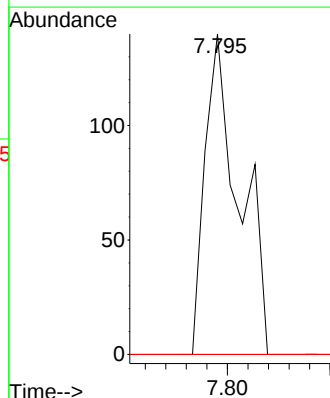
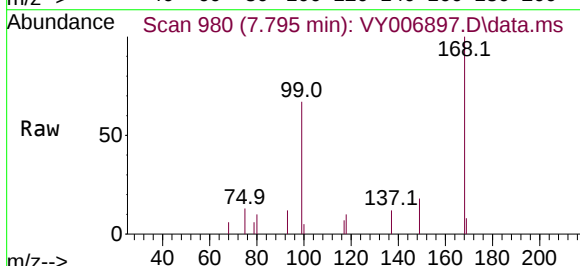
Tgt Ion: 75 Resp: 162

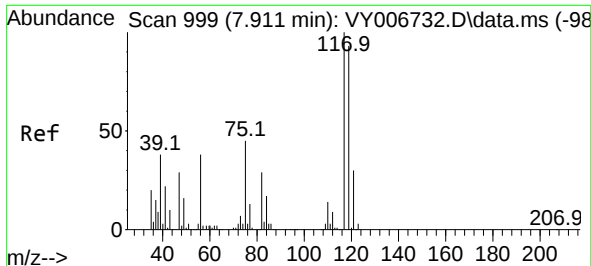
Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.3#

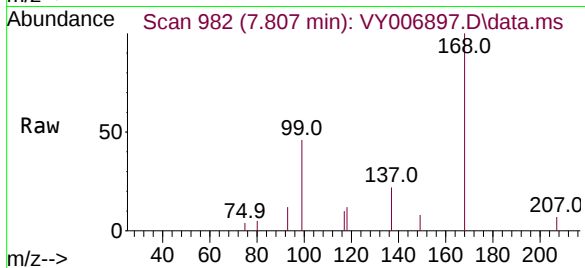
77 0.0 24.9 37.3#



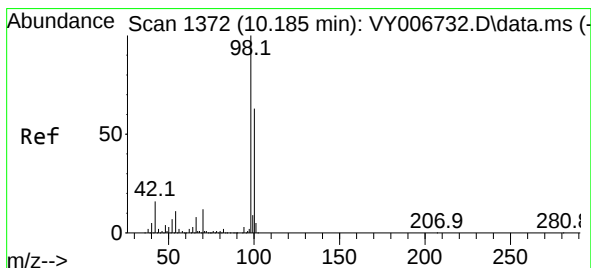
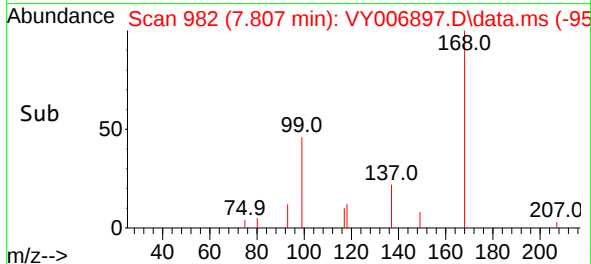
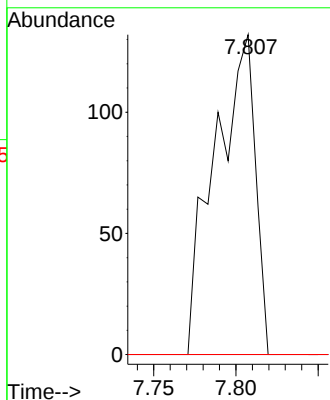


#38
Carbon Tetrachloride
Concen: 4.446 ug/l
RT: 7.807 min Scan# 911
Delta R.T. -0.104 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

Instrument :
MSVOA_Y
ClientSampleId :

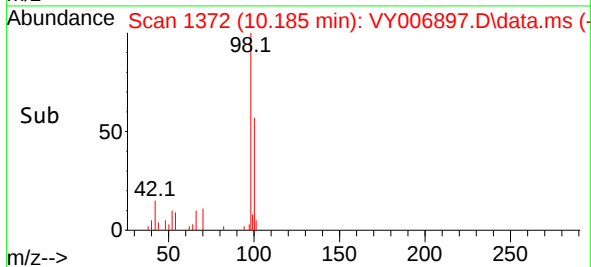
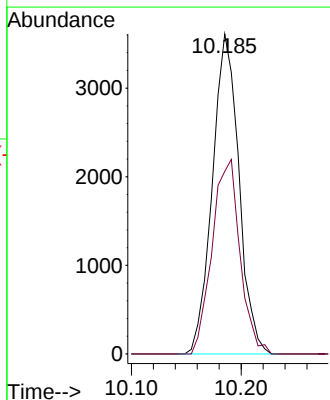
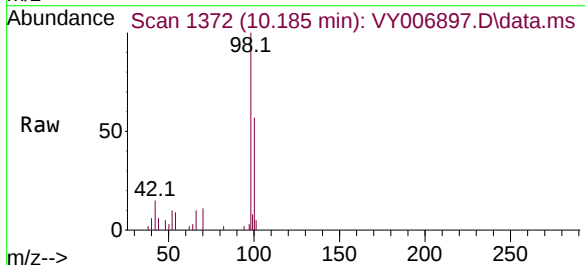


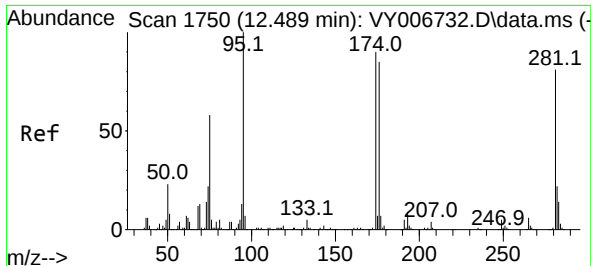
Tgt Ion:117 Resp: 226
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.181 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

Tgt Ion: 98 Resp: 6064
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3

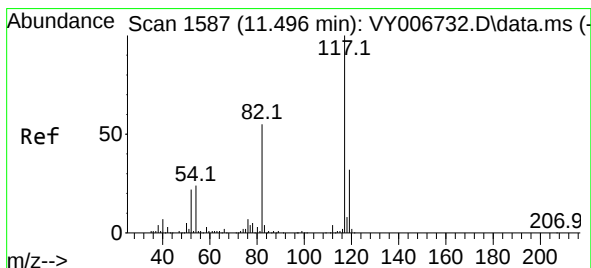
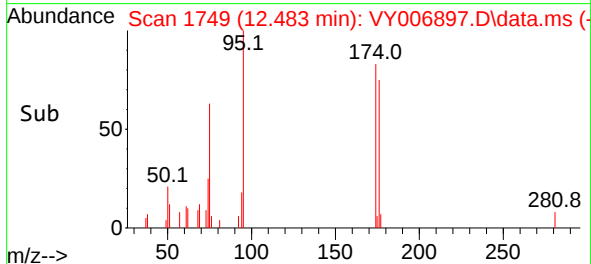
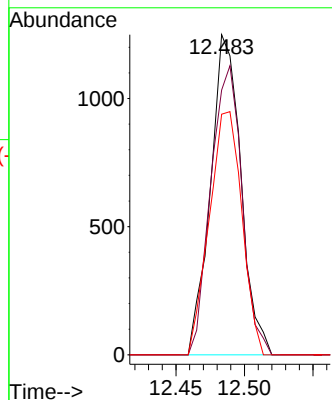
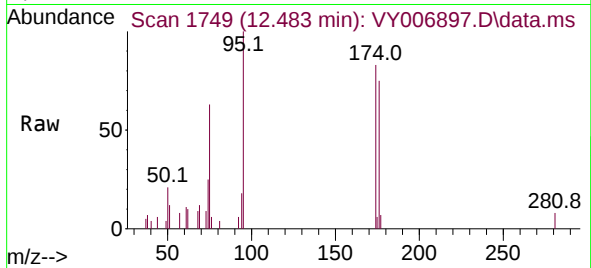




#62
4-Bromofluorobenzene
Concen: 49.161 ug/l
RT: 12.483 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

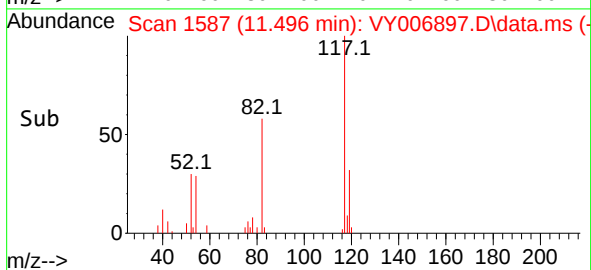
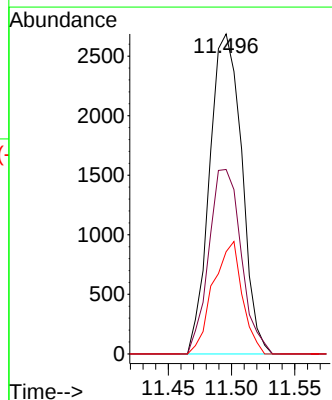
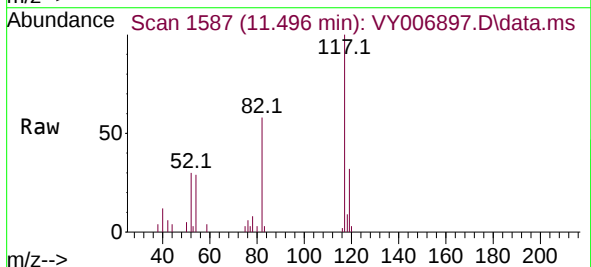
Instrument :
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ClientSampleId :

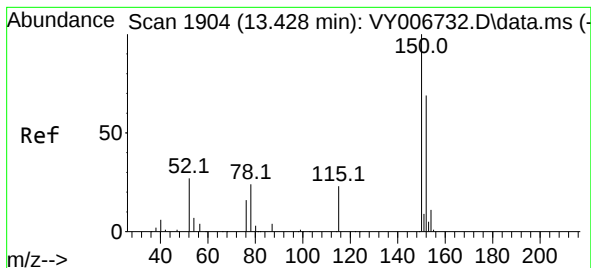
Tgt Ion: 95 Resp: 1926
Ion Ratio Lower Upper
95 100
174 92.2 0.0 177.0
176 81.5 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

Tgt Ion: 117 Resp: 4749
Ion Ratio Lower Upper
117 100
82 57.7 45.7 68.5
119 31.9 25.5 38.3

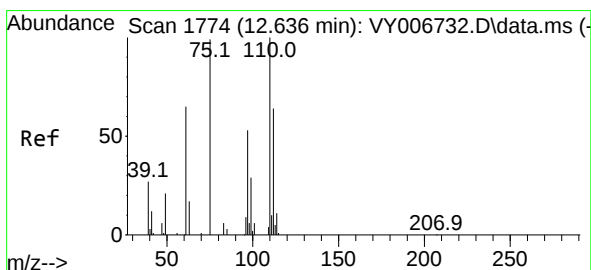
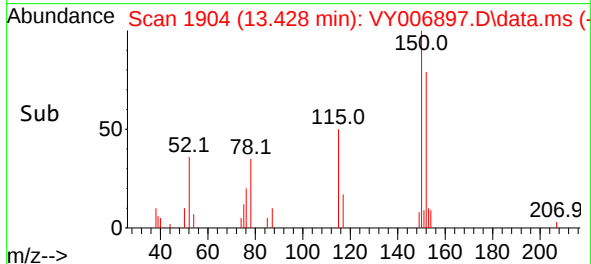
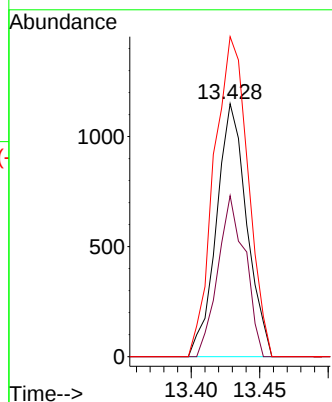
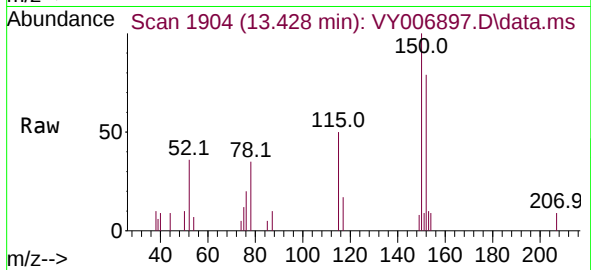




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY006897.D
 Acq: 26 Nov 2021 14:09

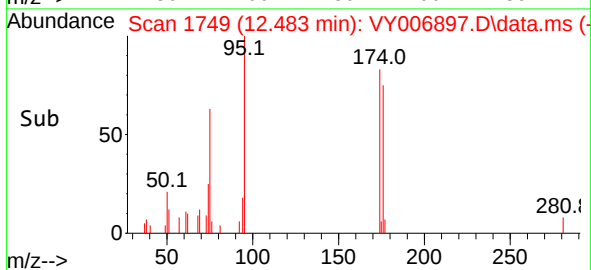
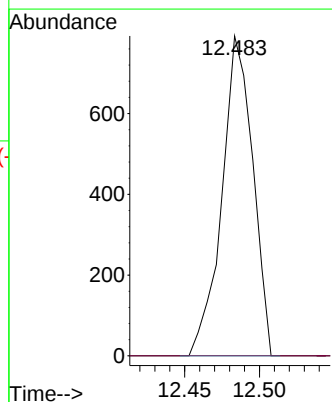
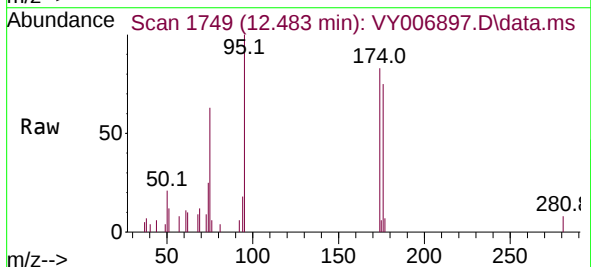
Instrument :
 MSVOA_Y
 ClientSampleId :

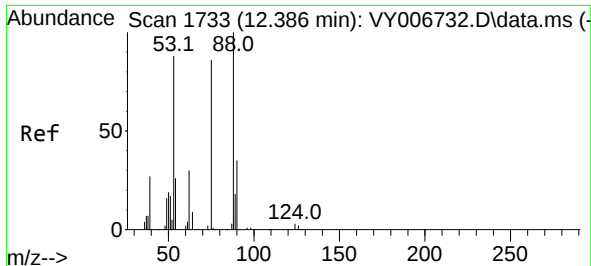
Tgt Ion:152 Resp: 1768
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.5 85.5
 150 142.0 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 59.203 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY006897.D
 Acq: 26 Nov 2021 14:09

Tgt Ion: 75 Resp: 1138
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

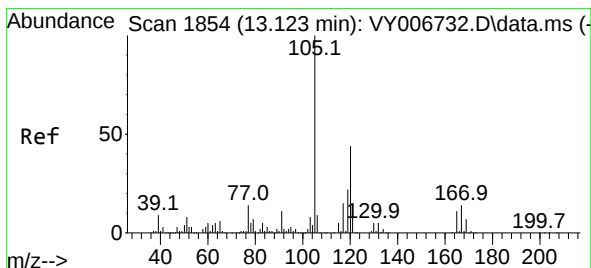
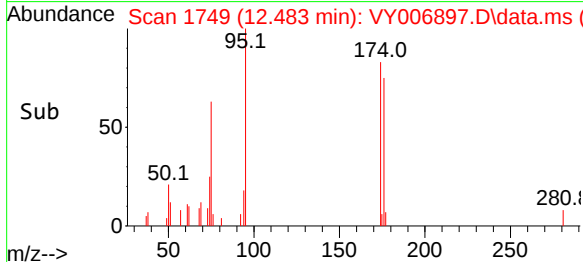
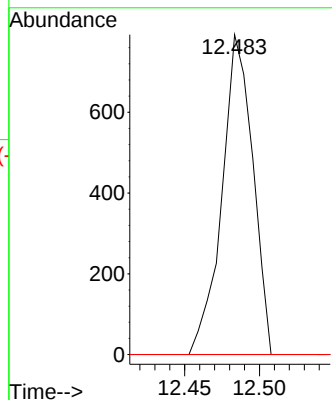
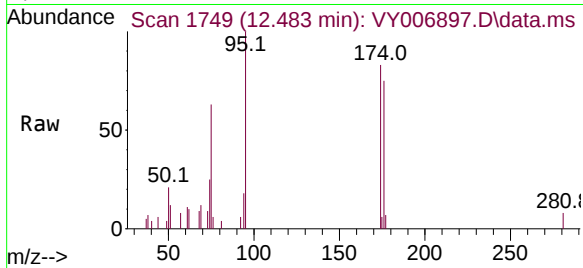




#81
trans-1,4-Dichloro-2-butene
Concen: 117.309 ug/l
RT: 12.483 min Scan# 1138
Delta R.T. 0.098 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

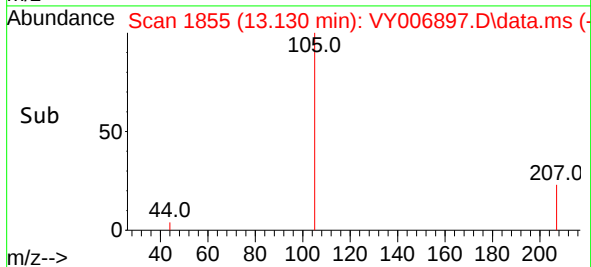
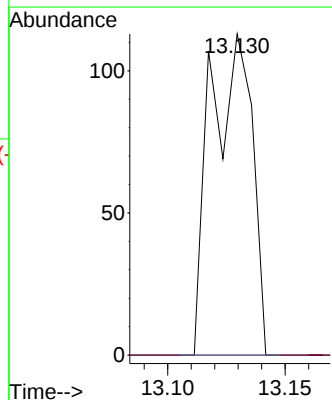
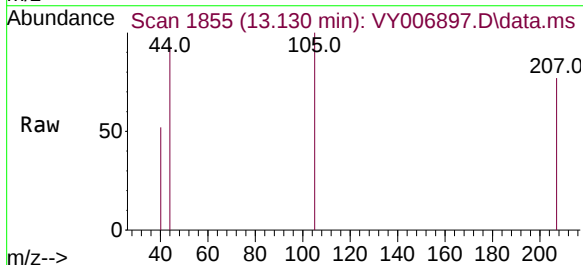
Instrument :
MSVOA_Y
ClientSampleId :

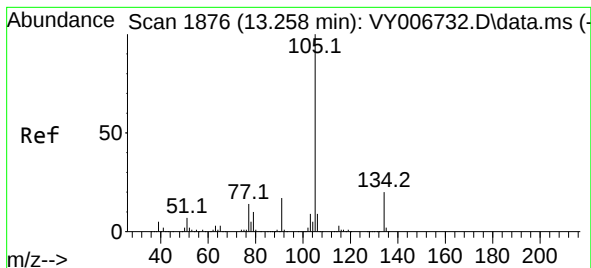
Tgt Ion: 75 Resp: 1138
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.253 ug/l
RT: 13.130 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

Tgt Ion:105 Resp: 138
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.8#





#85

sec-Butylbenzene

Concen: 1.135 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VY006897.D

Acq: 26 Nov 2021 14:09

Instrument :

MSVOA_Y

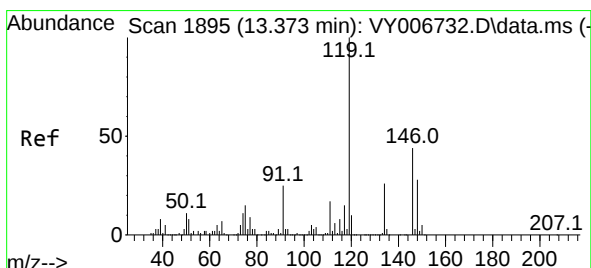
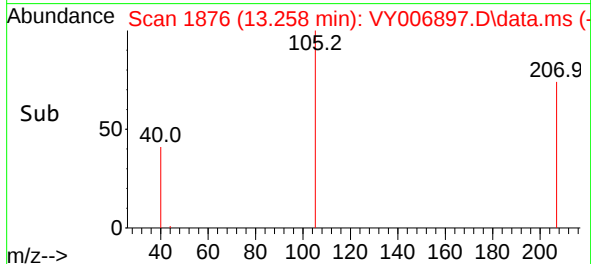
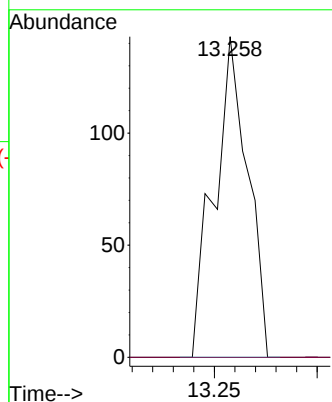
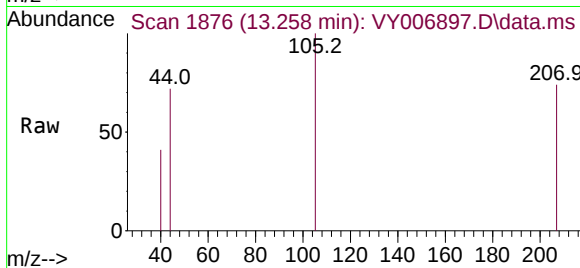
ClientSampleId :

Tgt Ion:105 Resp: 162

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 1.548 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY006897.D

Acq: 26 Nov 2021 14:09

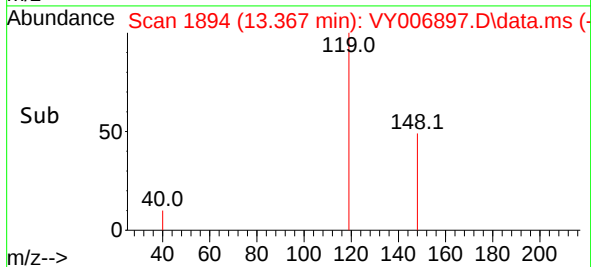
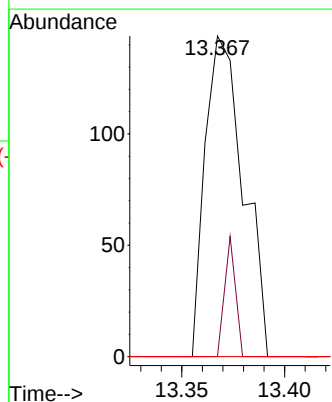
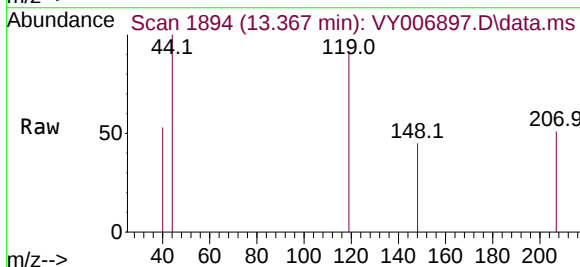
Tgt Ion:119 Resp: 187

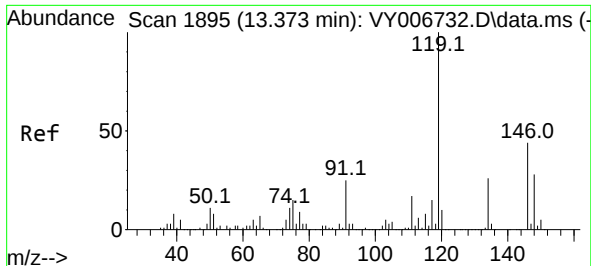
Ion Ratio Lower Upper

119 100

134 10.7 13.1 39.1#

91 0.0 12.4 37.4#





#87

1,3-Dichlorobenzene

Concen: 1.359 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.079 min

Lab File: VY006897.D

Acq: 26 Nov 2021 14:09

Instrument :

MSVOA_Y

ClientSampleId :

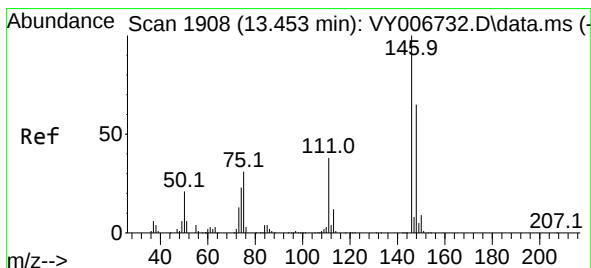
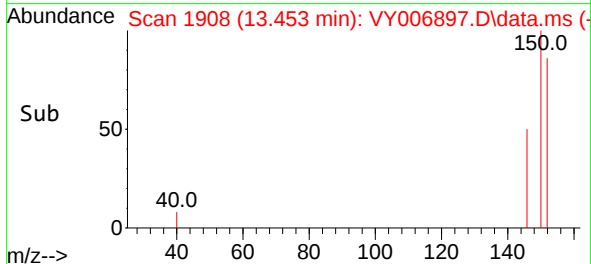
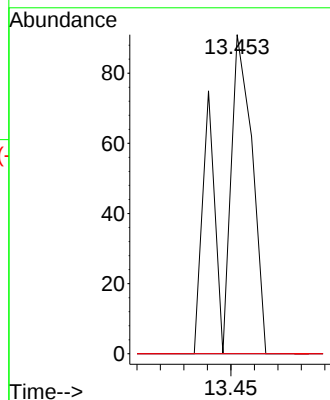
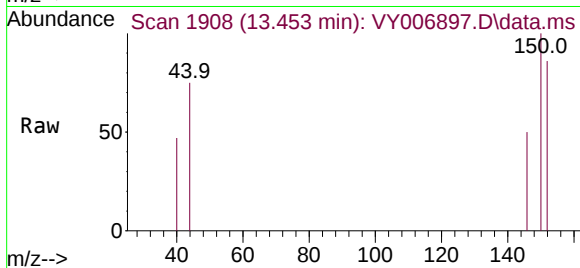
Tgt Ion:146 Resp: 83

Ion Ratio Lower Upper

146 100

111 0.0 19.3 57.9#

148 0.0 31.9 95.7#



#88

1,4-Dichlorobenzene

Concen: 1.377 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY006897.D

Acq: 26 Nov 2021 14:09

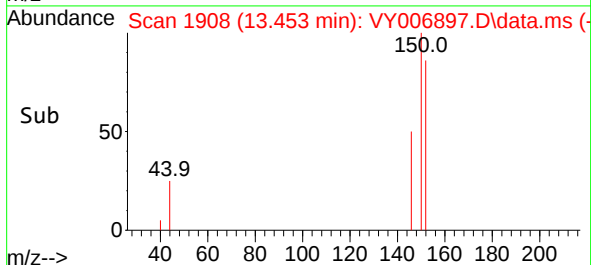
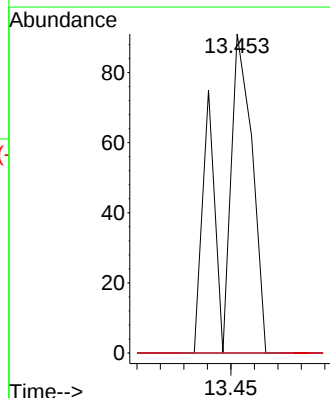
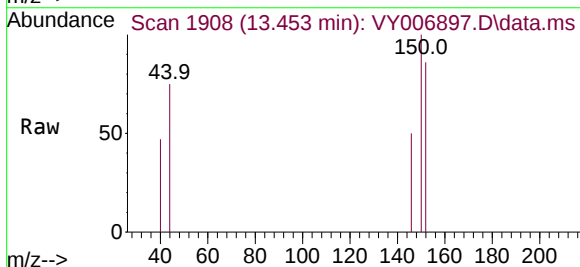
Tgt Ion:146 Resp: 83

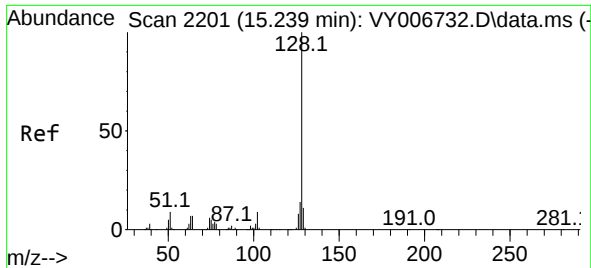
Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.5#

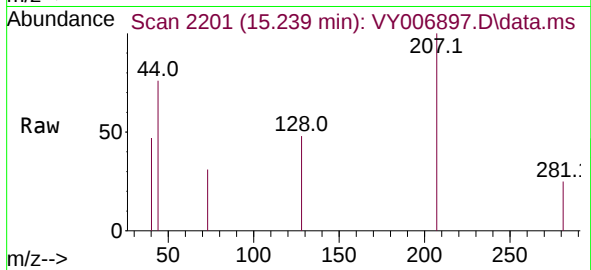
148 0.0 32.0 96.2#





#95
Naphthalene
Concen: 1.397 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY006897.D
Acq: 26 Nov 2021 14:09

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	89
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.9	13.3#

