

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091621\
 Data File : VY006041.D
 Acq On : 16 Sep 2021 12:38
 Operator : SY/MD
 Sample : M3757-01
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-091521

Quant Time: Sep 17 02:44:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

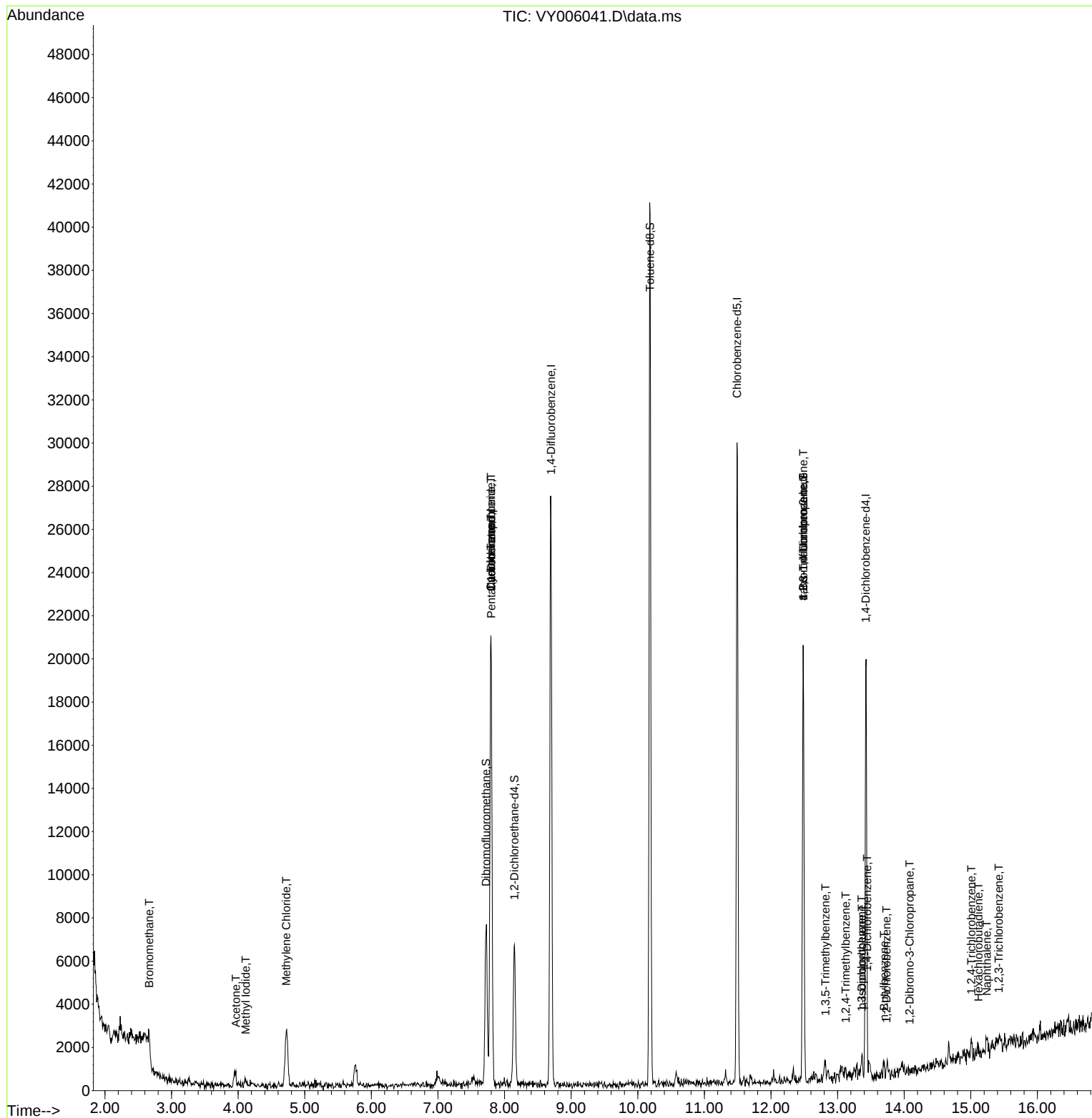
Internal Standards						
1) Pentafluorobenzene	7.801	168	16559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	22258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	15409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5375	23.368	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.740%#		
35) Dibromofluoromethane	7.722	113	5231	37.838	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	75.680%		
50) Toluene-d8	10.185	98	26525	45.017	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.040%		
62) 4-Bromofluorobenzene	12.483	95	5130	25.644	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	51.280%		
Target Compounds						Qvalue
5) Bromomethane	2.662	94	209	1.312	ug/l #	68
10) Methyl Iodide	4.113	142	492	2.907	ug/l #	80
16) Acetone	3.967	43	1149	18.213	ug/l #	87
20) Methylene Chloride	4.723	84	1726	4.542	ug/l	95
31) Cyclohexane	7.795	56	446	1.210	ug/l #	43
36) 1,1-Dichloropropene	7.795	75	1307	5.440	ug/l #	46
38) Carbon Tetrachloride	7.795	117	1689	6.458	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	3124	63.189	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.819	105	316	1.049	ug/l #	47
81) trans-1,4-Dichloro-2-b...	12.483	75	3124	116.173	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	429	1.436	ug/l	80
86) p-Isopropyltoluene	13.367	119	475	1.443	ug/l #	60
87) 1,3-Dichlorobenzene	13.361	146	275	1.683	ug/l #	57
88) 1,4-Dichlorobenzene	13.447	146	173	1.056	ug/l #	74
89) n-Butylbenzene	13.697	91	380	1.234	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	309	2.154	ug/l #	83
92) 1,2-Dibromo-3-Chloropr...	14.081	75	20	1.492	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.007	180	332	3.564	ug/l	74
94) Hexachlorobutadiene	15.117	225	72	1.195	ug/l #	48
95) Naphthalene	15.239	128	586	3.163	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	277	3.432	ug/l #	78

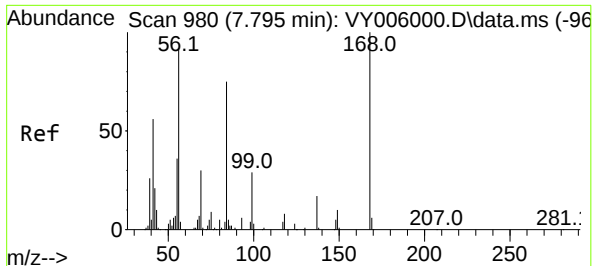
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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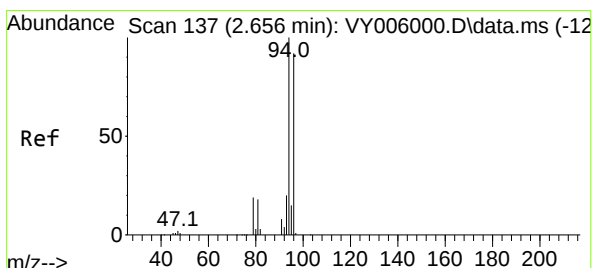
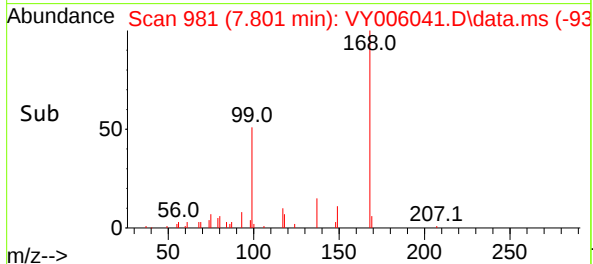
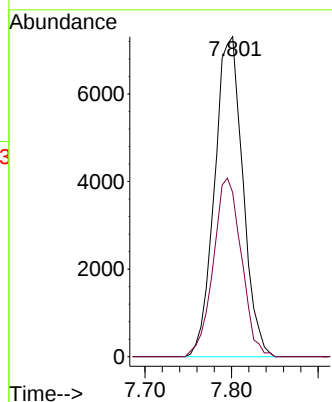
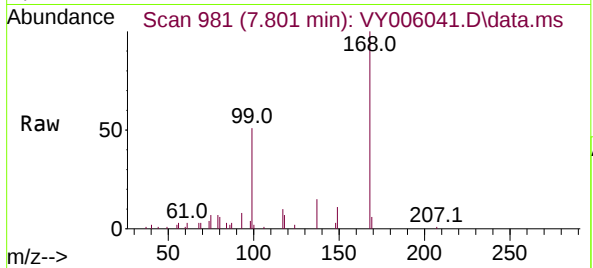




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

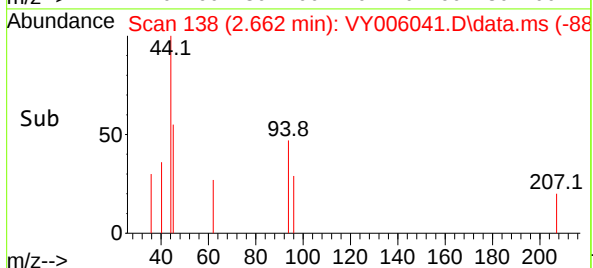
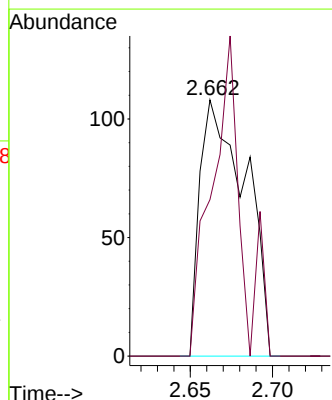
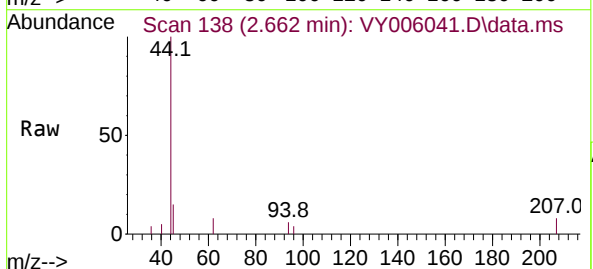
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-091521

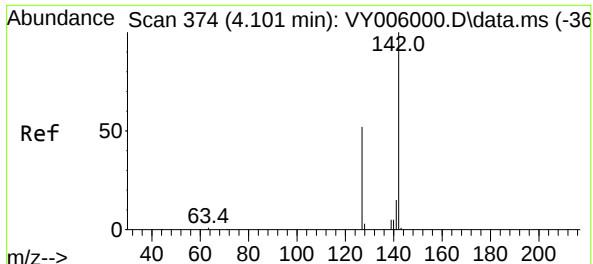
Tgt Ion:168 Resp: 16559
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3



#5
Bromomethane
Concen: 1.312 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 61.1 73.5 110.3#





#10

Methyl Iodide

Concen: 2.907 ug/l

RT: 4.113 min Scan# 376

Delta R.T. 0.012 min

Lab File: VY006041.D

Acq: 16 Sep 2021 12:38

Instrument :

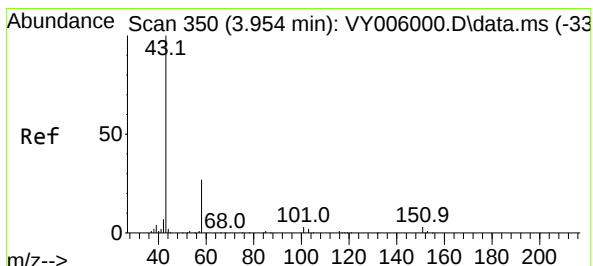
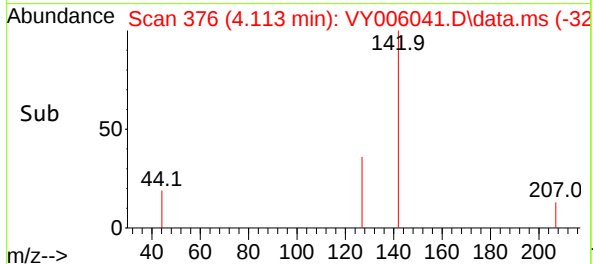
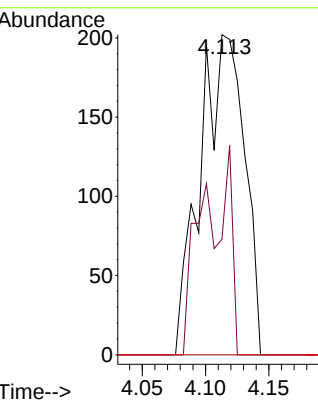
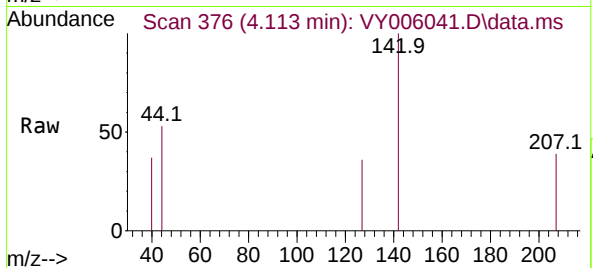
MSVOA_Y

ClientSampleId :

AU-06-091521

Tgt Ion:142 Resp: 492

Ion	Ratio	Lower	Upper
142	100		
127	40.7	41.5	62.3#
141	0.0	11.9	17.9#



#16

Acetone

Concen: 18.213 ug/l

RT: 3.967 min Scan# 352

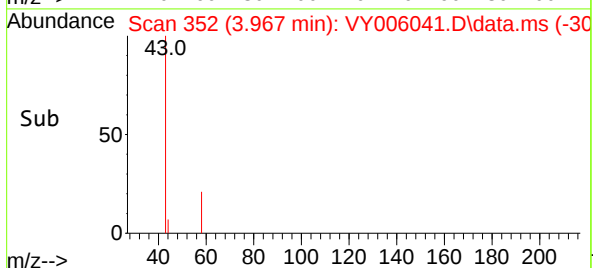
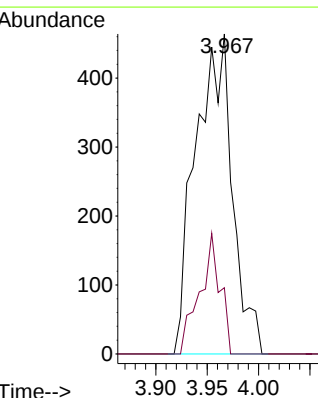
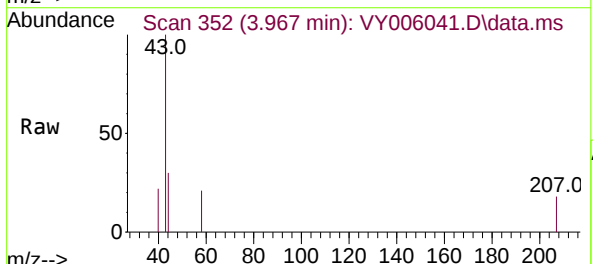
Delta R.T. 0.012 min

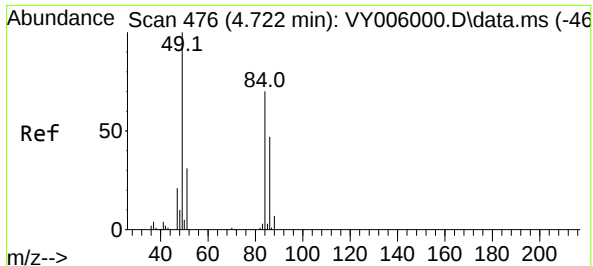
Lab File: VY006041.D

Acq: 16 Sep 2021 12:38

Tgt Ion: 43 Resp: 1149

Ion	Ratio	Lower	Upper
43	100		
58	20.7	22.0	33.0#





#20

Methylene Chloride

Concen: 4.542 ug/l

RT: 4.723 min Scan# 476

Delta R.T. 0.001 min

Lab File: VY006041.D

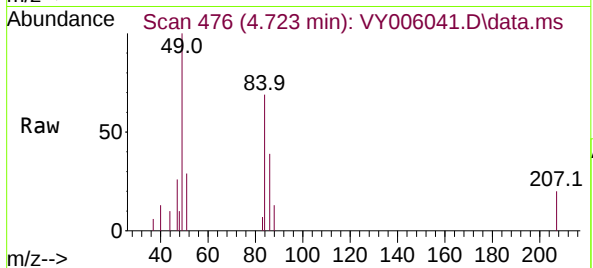
Acq: 16 Sep 2021 12:38

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-091521



Tgt Ion: 84 Resp: 1726

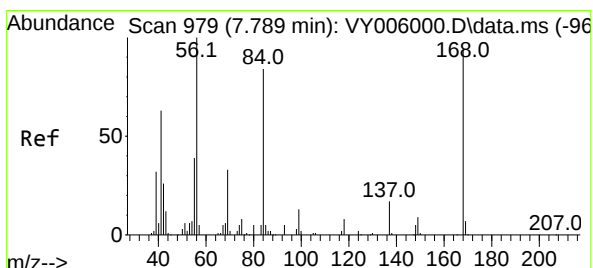
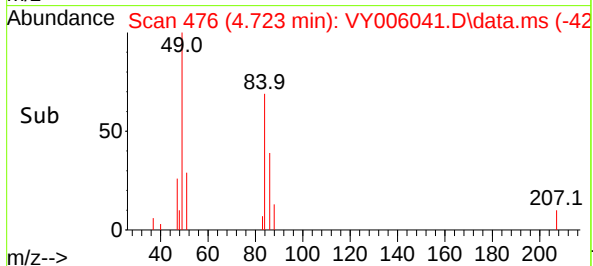
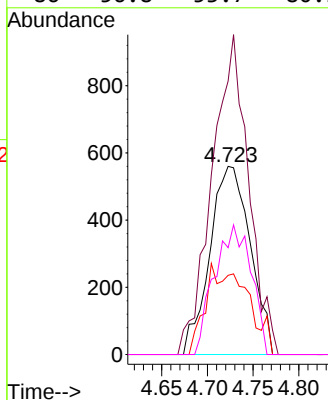
Ion Ratio Lower Upper

84 100

49 145.4 114.4 171.6

51 42.1 35.3 52.9

86 56.8 53.7 80.5



#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY006041.D

Acq: 16 Sep 2021 12:38

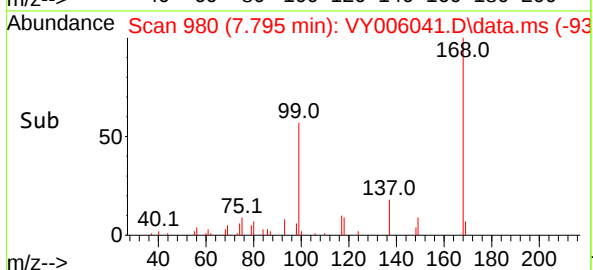
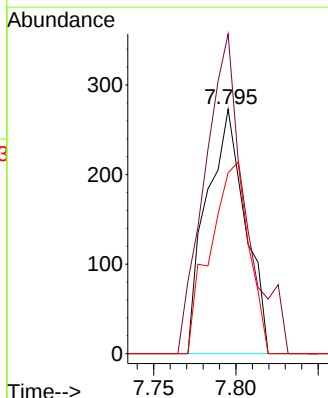
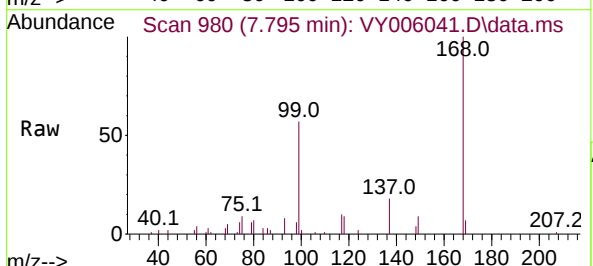
Tgt Ion: 56 Resp: 446

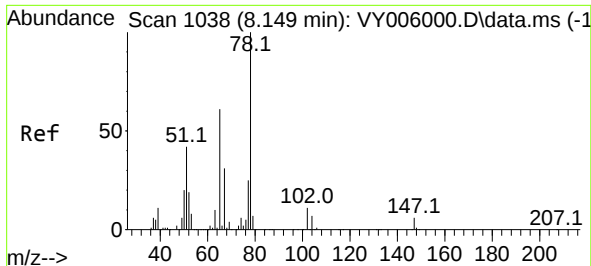
Ion Ratio Lower Upper

56 100

69 130.8 26.7 40.1#

84 74.0 67.2 100.8

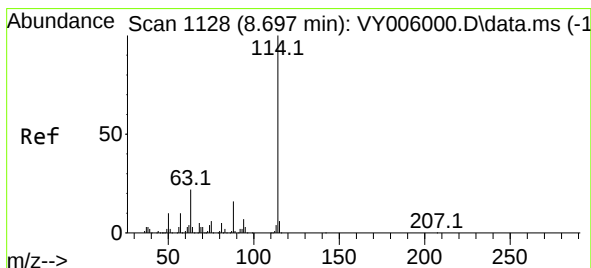
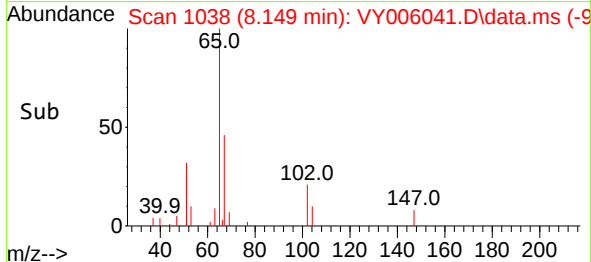
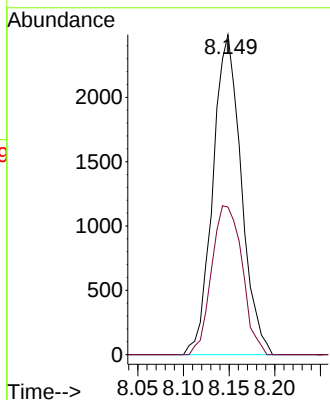
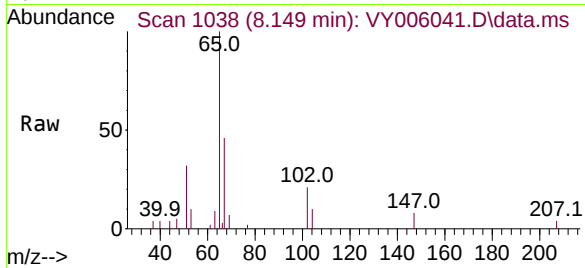




#33
1,2-Dichloroethane-d4
Concen: 23.368 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

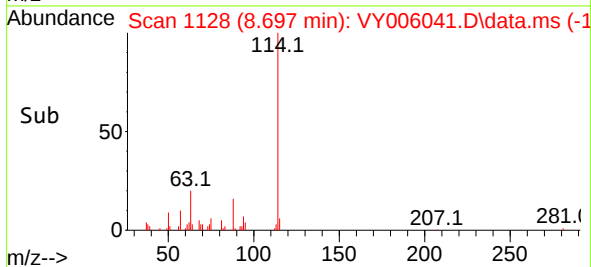
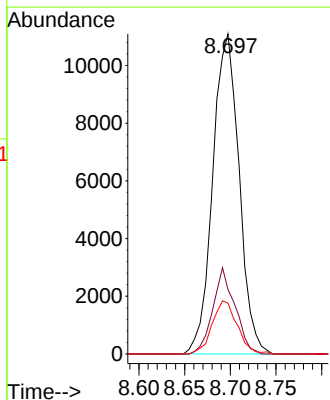
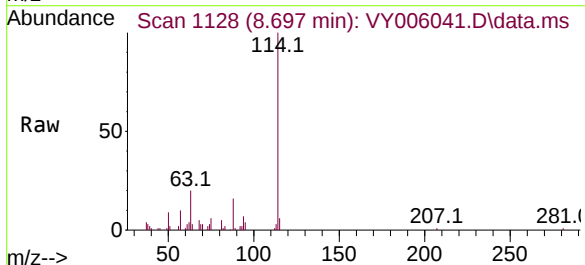
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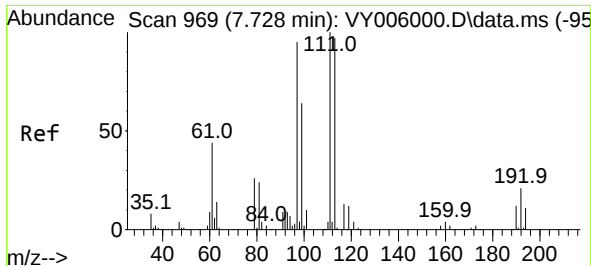
Tgt Ion: 65 Resp: 5375
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

Tgt Ion: 114 Resp: 22258
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.2
88 15.9 0.0 31.8

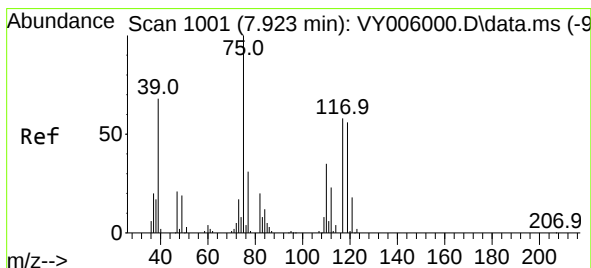
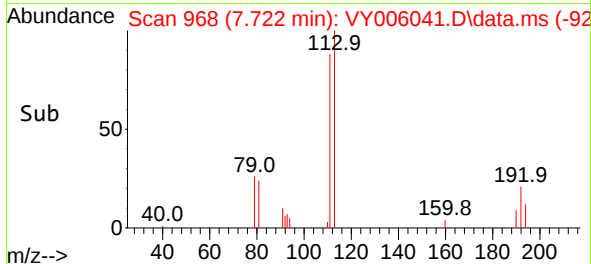
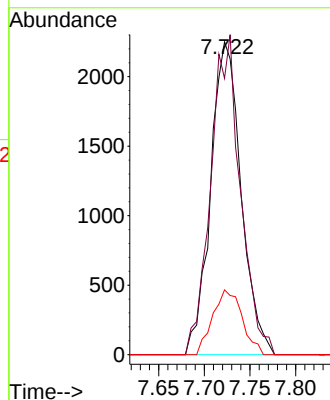
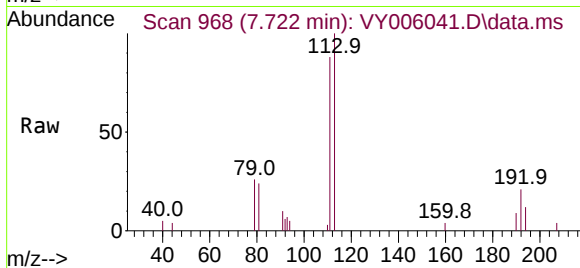




#35
Dibromofluoromethane
Concen: 37.838 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

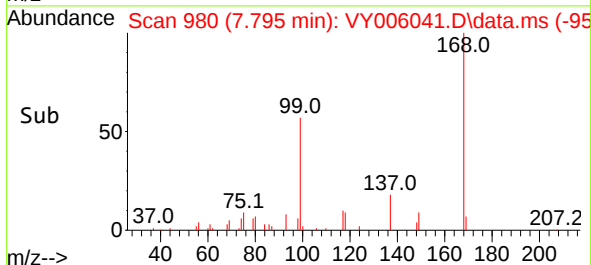
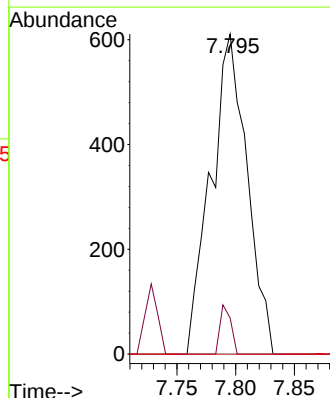
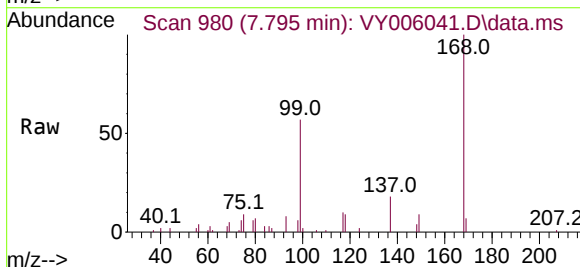
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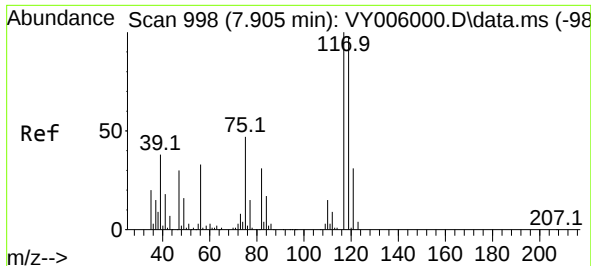
Tgt Ion:	113	Resp:	5231
Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.6	124.0
192	20.0	17.6	26.4



#36
1,1-Dichloropropene
Concen: 5.440 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

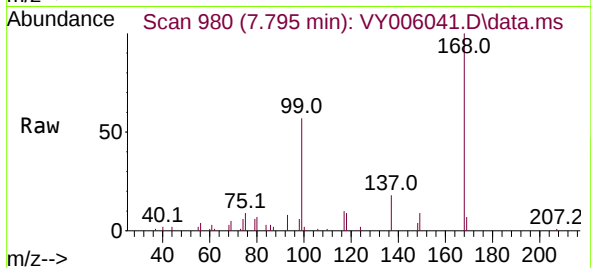
Tgt Ion:	75	Resp:	1307
Ion	Ratio	Lower	Upper
75	100		
110	4.6	17.1	51.2#
77	0.0	24.4	36.6#



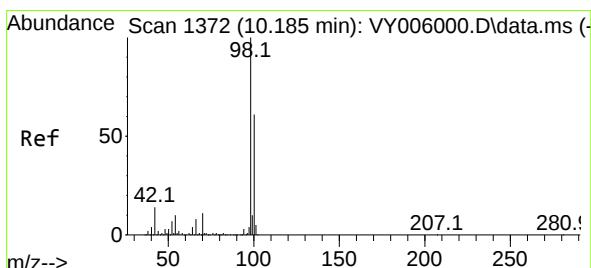
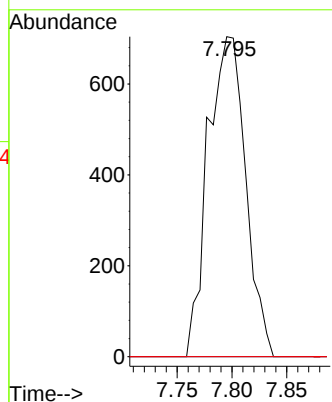
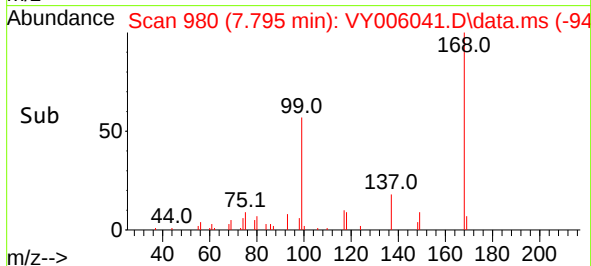


#38
Carbon Tetrachloride
Concen: 6.458 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

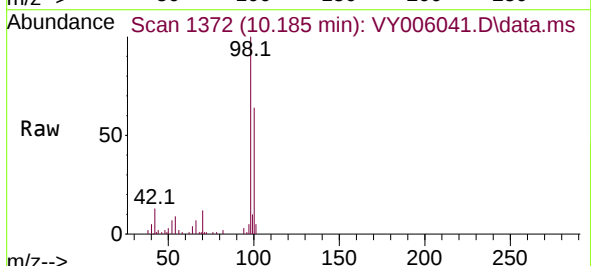
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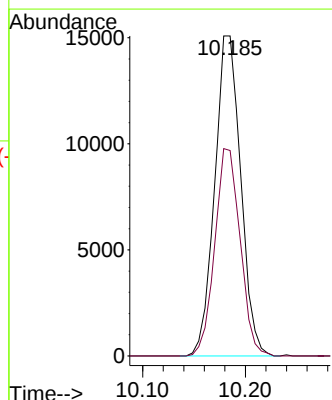
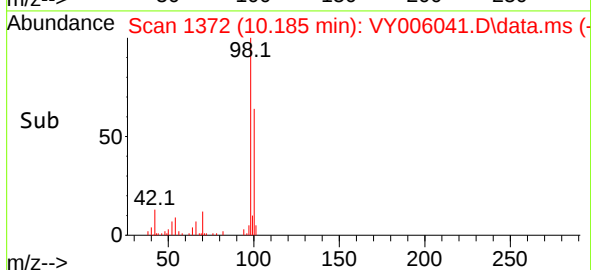
Tgt Ion: 117 Resp: 1689
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

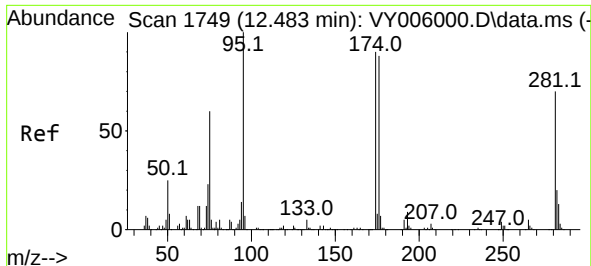


#50
Toluene-d8
Concen: 45.017 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38



Tgt Ion: 98 Resp: 26525
Ion Ratio Lower Upper
98 100
100 63.1 50.2 75.2

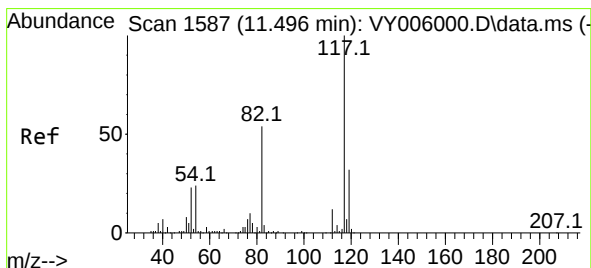
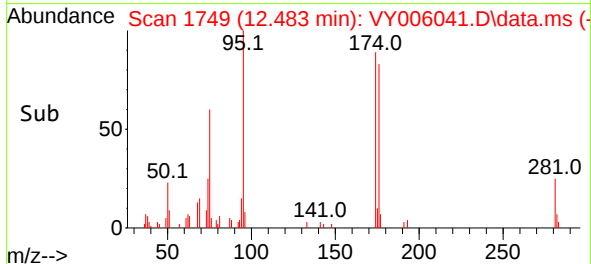
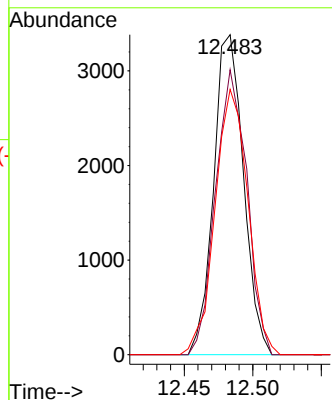
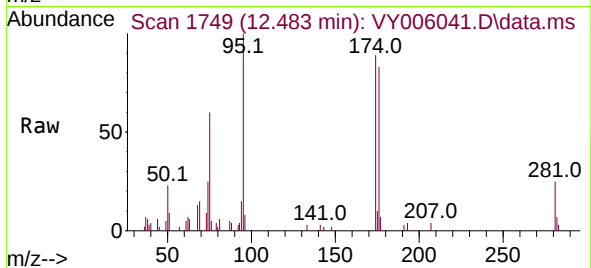




#62
4-Bromofluorobenzene
Concen: 25.644 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

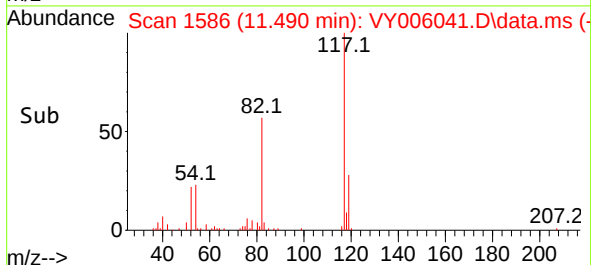
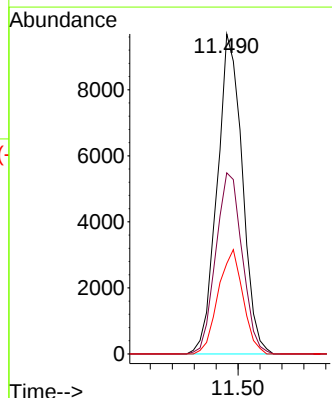
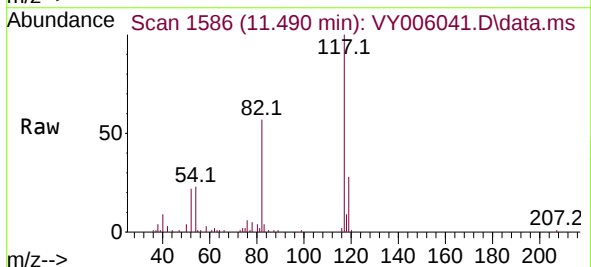
Instrument :
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ClientSampleId :
AU-06-091521

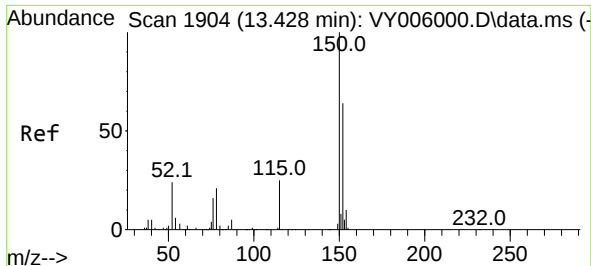
Tgt Ion: 95 Resp: 5130
Ion Ratio Lower Upper
95 100
174 93.1 0.0 177.0
176 91.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

Tgt Ion: 117 Resp: 15409
Ion Ratio Lower Upper
117 100
82 56.6 43.0 64.4
119 28.2 25.4 38.0

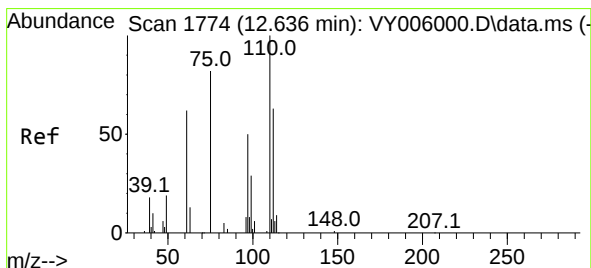
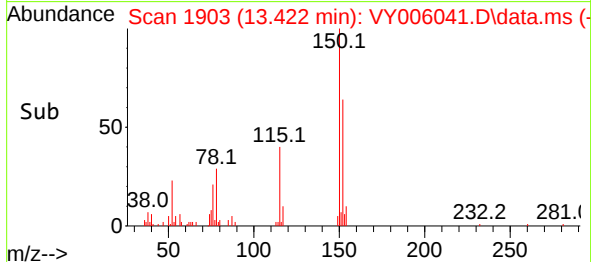
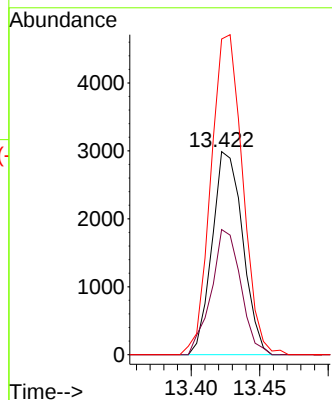
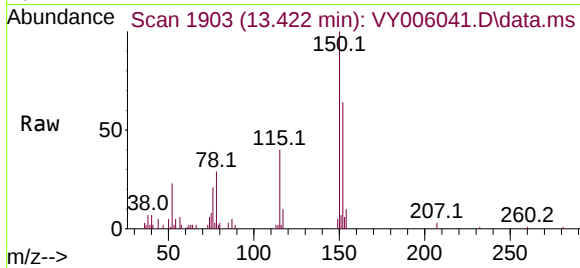




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

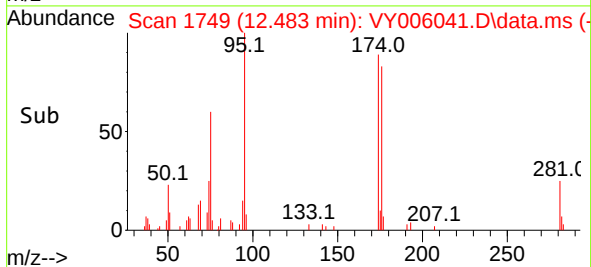
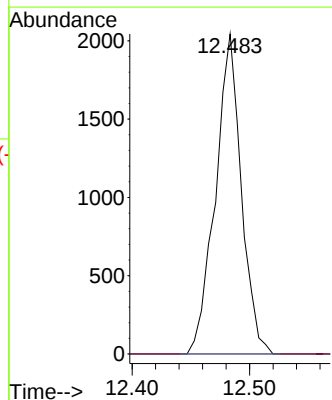
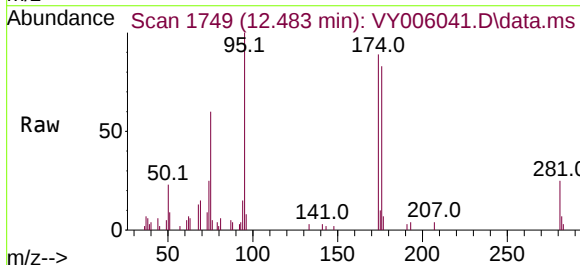
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-091521

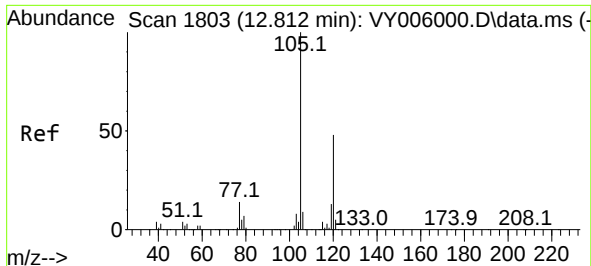
Tgt Ion:152 Resp: 4637
Ion Ratio Lower Upper
152 100
115 59.5 28.2 84.7
150 163.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 63.189 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

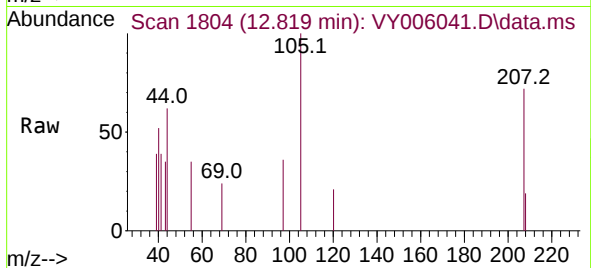
Tgt Ion: 75 Resp: 3124
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



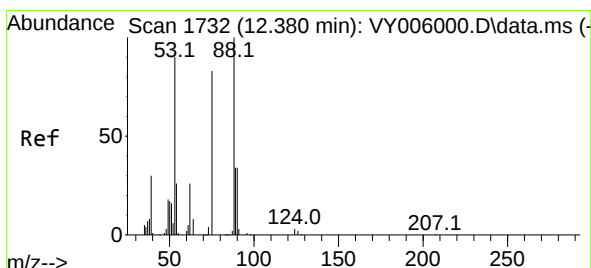
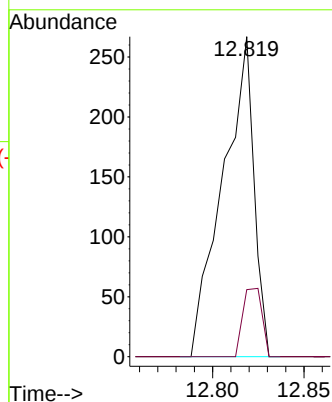
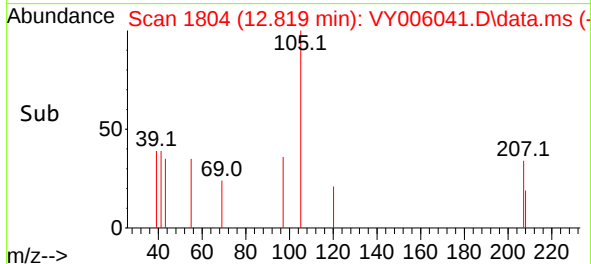


#80
1,3,5-Trimethylbenzene
Concen: 1.049 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

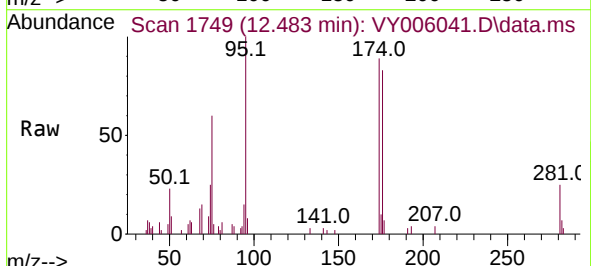
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-091521



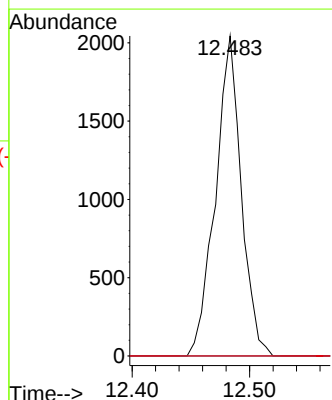
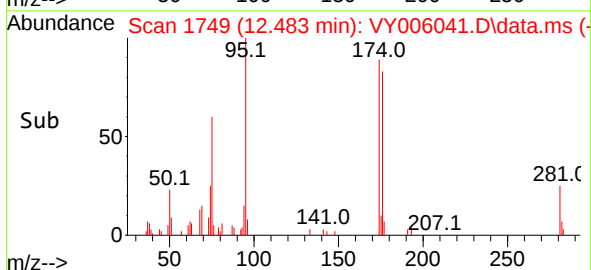
Tgt Ion:105 Resp: 316
Ion Ratio Lower Upper
105 100
120 13.0 24.4 73.4#

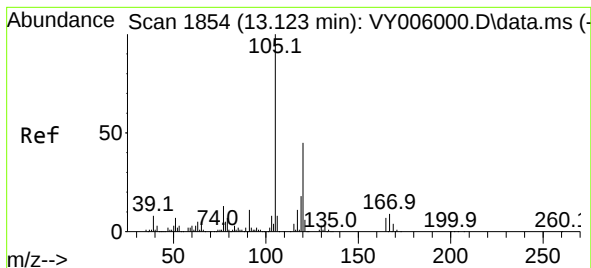


#81
trans-1,4-Dichloro-2-butene
Concen: 116.173 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38



Tgt Ion: 75 Resp: 3124
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.436 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY006041.D

Acq: 16 Sep 2021 12:38

Tgt Ion:105 Resp: 429

Ion Ratio Lower Upper

105 100

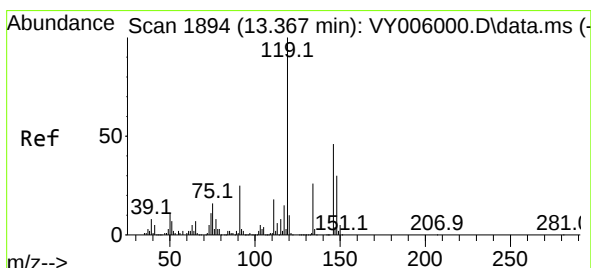
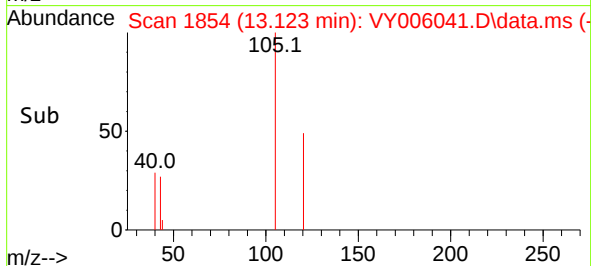
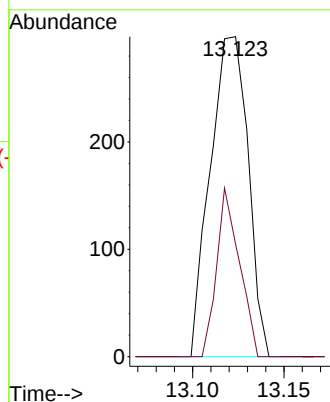
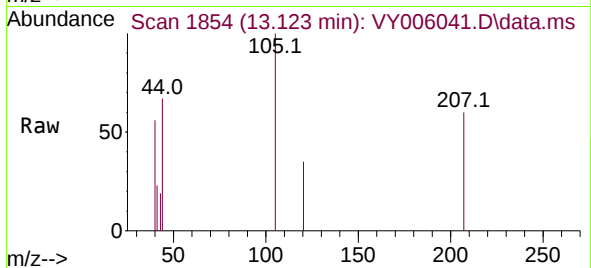
120 31.7 22.3 66.9

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-091521



#86

p-Isopropyltoluene

Concen: 1.443 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY006041.D

Acq: 16 Sep 2021 12:38

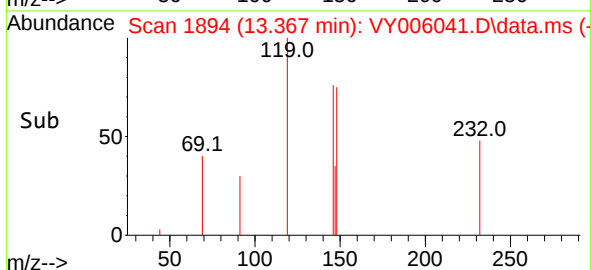
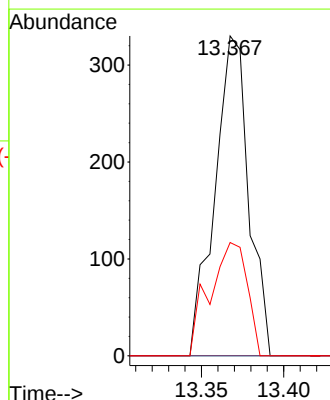
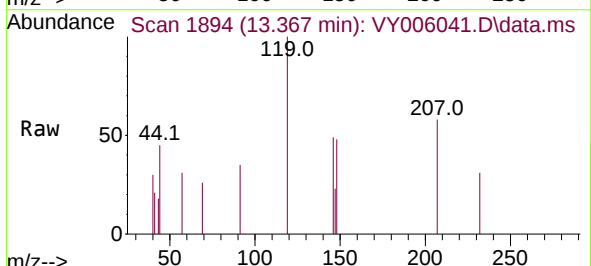
Tgt Ion:119 Resp: 475

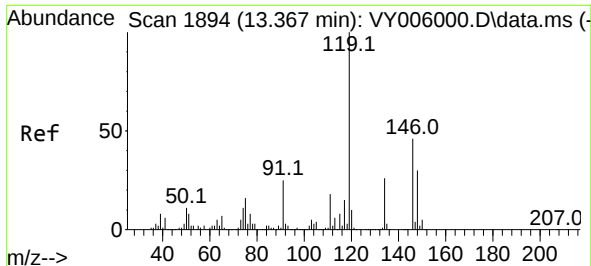
Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.5#

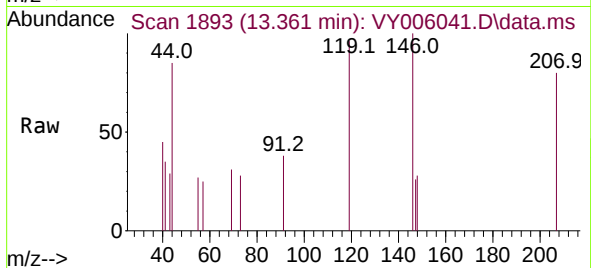
91 39.2 12.4 37.2#



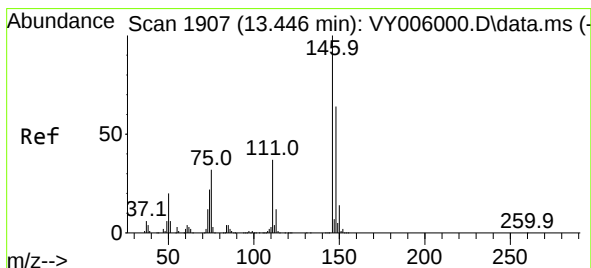
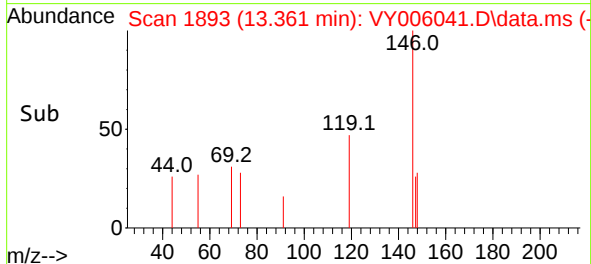
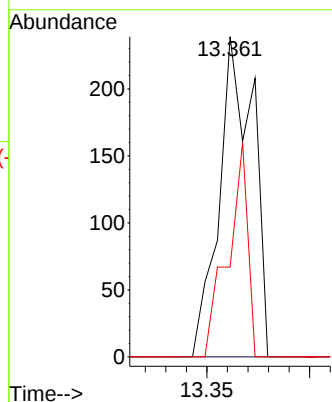


#87
1,3-Dichlorobenzene
Concen: 1.683 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-091521

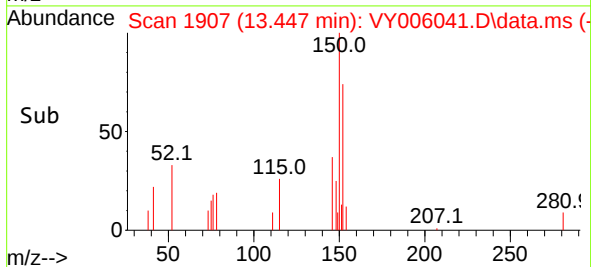
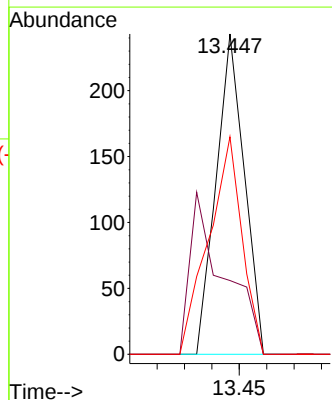
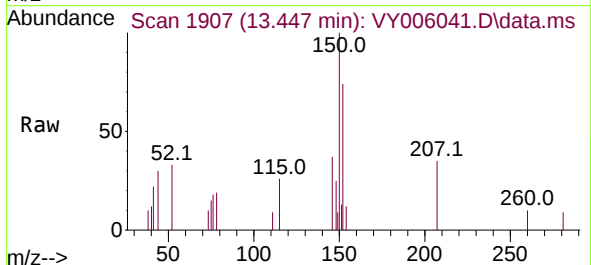


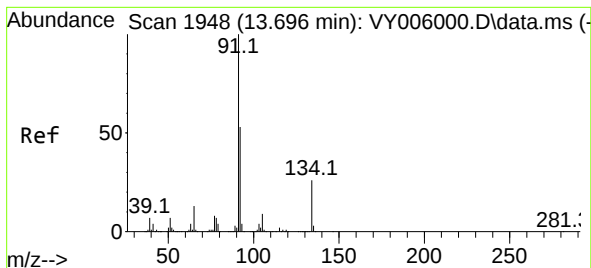
Tgt Ion:146 Resp: 275
Ion Ratio Lower Upper
146 100
111 0.0 19.5 58.5#
148 39.3 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 1.056 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

Tgt Ion:146 Resp: 173
Ion Ratio Lower Upper
146 100
111 61.3 19.3 57.8#
148 80.9 32.6 97.8

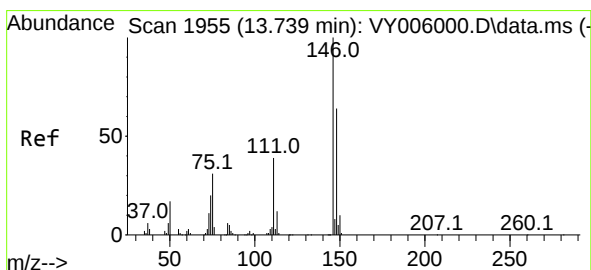
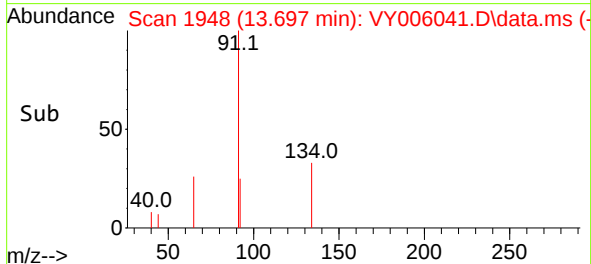
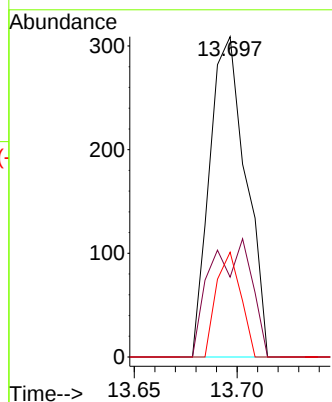
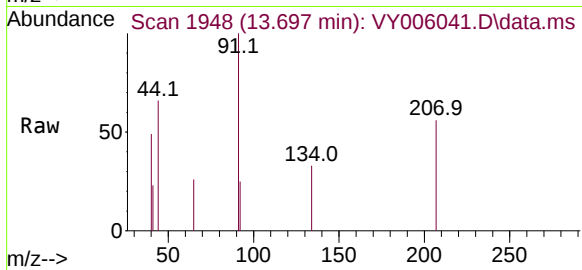




#89
n-Butylbenzene
Concen: 1.234 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

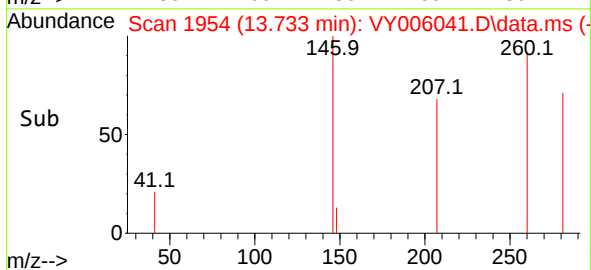
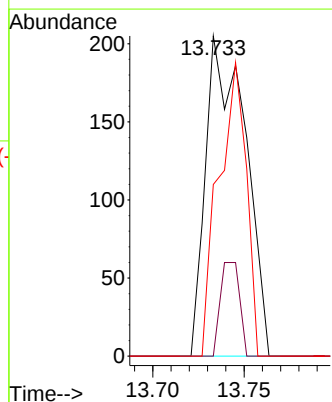
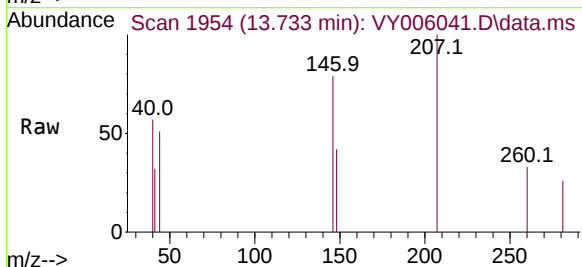
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-091521

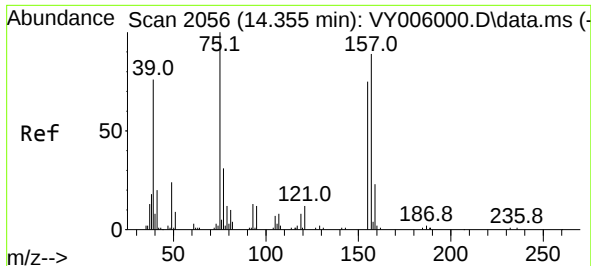
Tgt Ion:	91	Resp:	380
Ion	Ratio	Lower	Upper
91	100		
92	41.3	26.3	78.9
134	22.1	13.0	38.9



#91
1,2-Dichlorobenzene
Concen: 2.154 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

Tgt Ion:	146	Resp:	309
Ion	Ratio	Lower	Upper
146	100		
111	14.2	20.3	60.9#
148	63.4	32.3	96.9

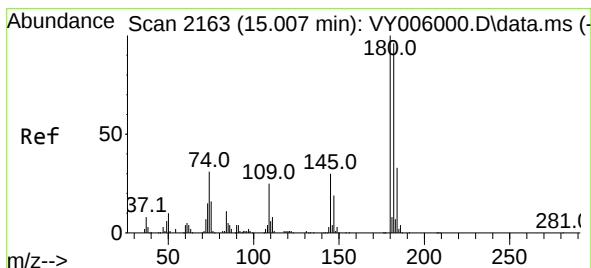
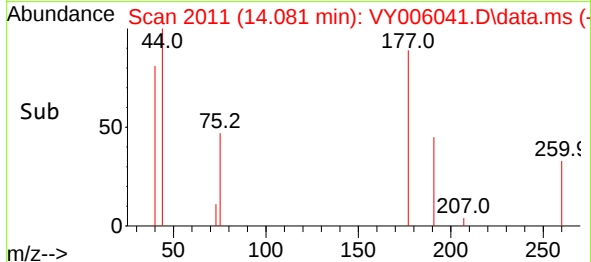
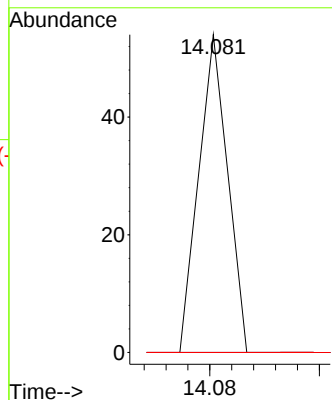
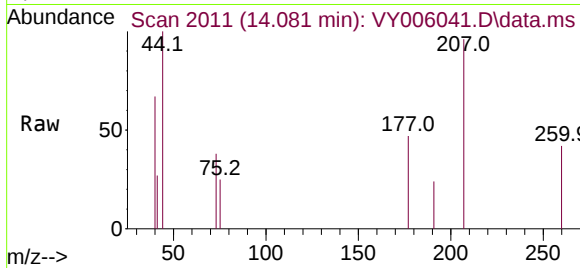




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.492 ug/l
 RT: 14.081 min Scan# 2011
 Delta R.T. -0.274 min
 Lab File: VY006041.D
 Acq: 16 Sep 2021 12:38

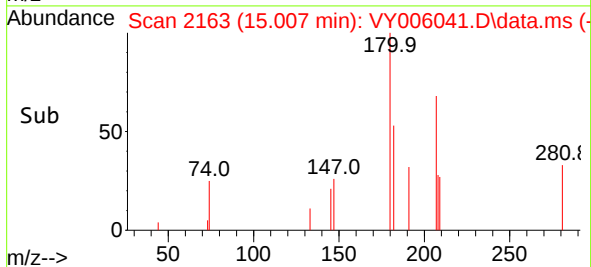
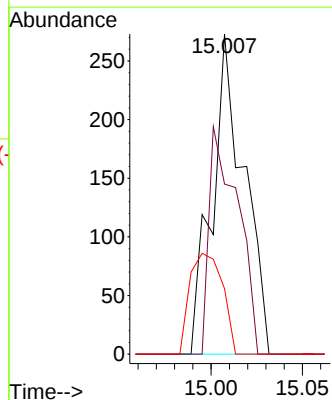
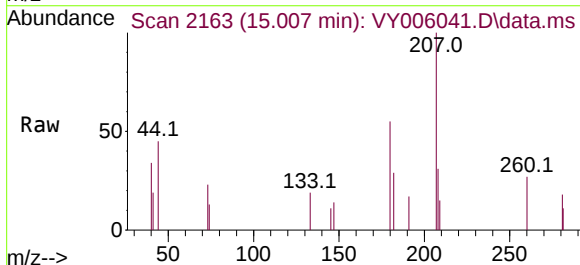
Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-091521

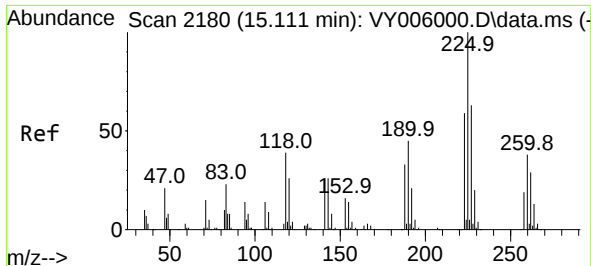
Tgt Ion: 75	Resp:	20
Ion Ratio	Lower	Upper
75	100	
155	0.0	38.0 113.9#
157	0.0	47.8 143.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.564 ug/l
 RT: 15.007 min Scan# 2163
 Delta R.T. 0.000 min
 Lab File: VY006041.D
 Acq: 16 Sep 2021 12:38

Tgt Ion: 180	Resp:	332
Ion Ratio	Lower	Upper
180	100	
182	63.6	47.3 141.9
145	32.2	14.6 43.8

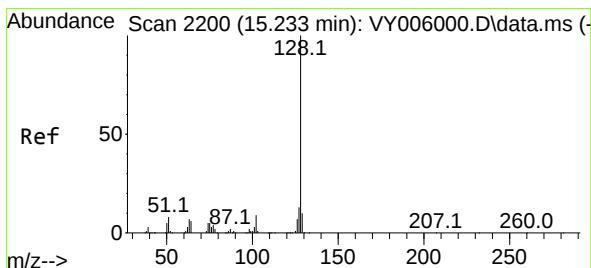
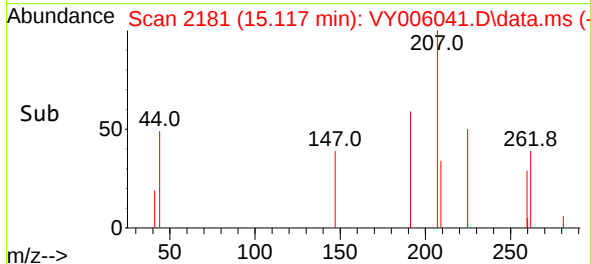
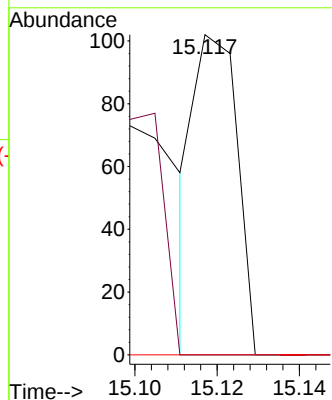
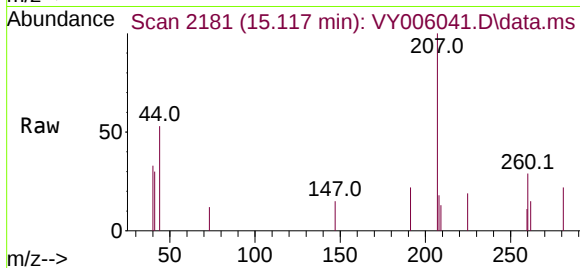




#94
Hexachlorobutadiene
Concen: 1.195 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

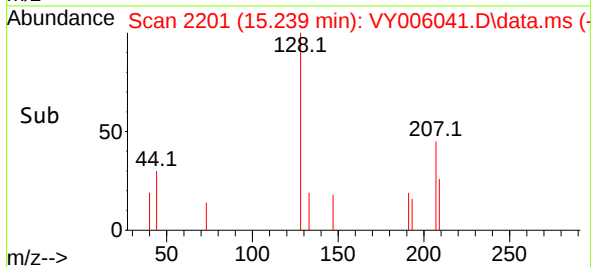
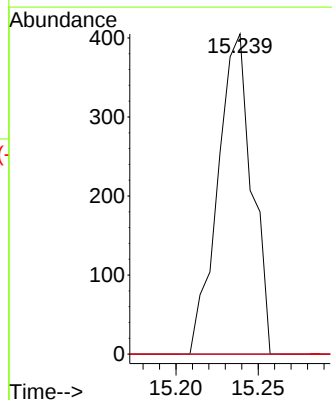
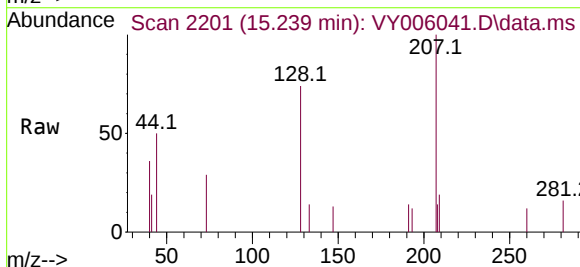
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-091521

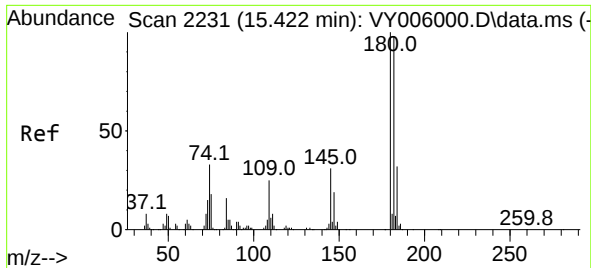
Tgt Ion:225 Resp: 72
Ion Ratio Lower Upper
225 100
223 77.8 30.8 92.3
227 0.0 31.6 94.7#



#95
Naphthalene
Concen: 3.163 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY006041.D
Acq: 16 Sep 2021 12:38

Tgt Ion:128 Resp: 586
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.432 ug/l
 RT: 15.422 min Scan# 2231
 Delta R.T. 0.000 min
 Lab File: VY006041.D
 Acq: 16 Sep 2021 12:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-091521

Tgt Ion:	180	Resp:	277
Ion	Ratio	Lower	Upper
180	100		
182	105.4	47.3	141.9
145	0.0	15.3	45.9#

