

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111921\
 Data File : VY006823.D
 Acq On : 19 Nov 2021 12:24
 Operator : SY/MD
 Sample : M4766-01RE
 Misc : 5.09G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 03:18:59 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)

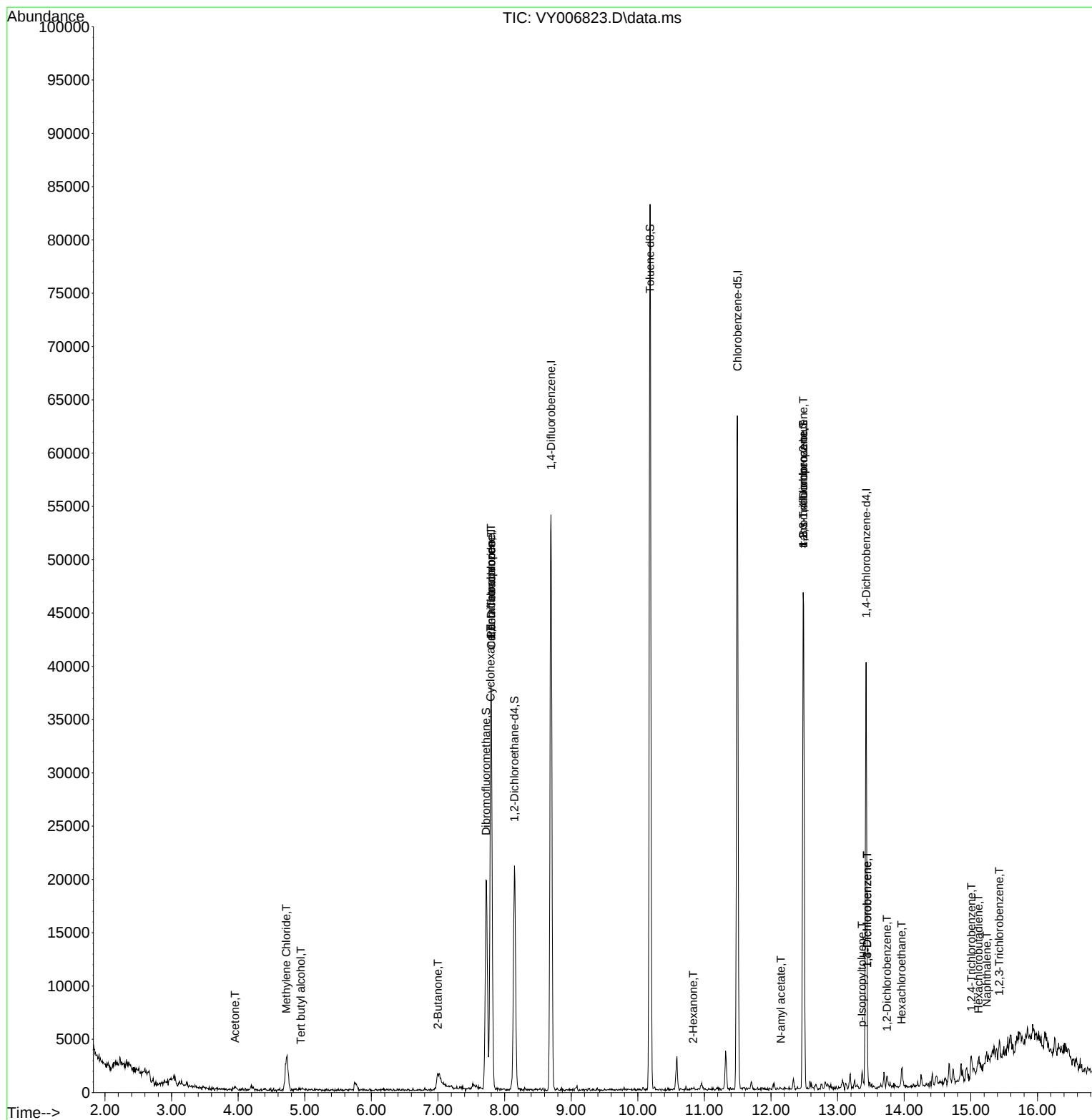
Internal Standards						
1) Pentafluorobenzene	7.795	168	27901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	42591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	31202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	16643	45.513	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.020%		
35) Dibromofluoromethane	7.722	113	13143	50.239	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.480%		
50) Toluene-d8	10.185	98	51532	47.601	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.200%		
62) 4-Bromofluorobenzene	12.483	95	10994	30.124	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	60.240%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	109	1.982	ug/l #	72
16) Acetone	3.954	43	558	5.022	ug/l	92
20) Methylene Chloride	4.722	84	2171	3.351	ug/l	94
25) 2-Butanone	6.996	43	121	12.215	ug/l #	52
31) Cyclohexane	7.789	56	808	1.257	ug/l #	23
36) 1,1-Dichloropropene	7.795	75	2625	5.670	ug/l #	51
38) Carbon Tetrachloride	7.801	117	2963	6.257	ug/l #	18
59) 2-Hexanone	10.831	43	136	24.364	ug/l #	28
74) N-amyl acetate	12.148	43	124	3.622	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	6631	67.549	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6631	133.847	ug/l #	7
86) p-Isopropyltoluene	13.367	119	632	1.024	ug/l #	74
87) 1,3-Dichlorobenzene	13.446	146	460	1.475	ug/l	83
88) 1,4-Dichlorobenzene	13.446	146	460	1.495	ug/l	83
90) Hexachloroethane	13.958	117	114	1.025	ug/l #	6
91) 1,2-Dichlorobenzene	13.739	146	350	1.302	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	605	3.441	ug/l	99
94) Hexachlorobutadiene	15.117	225	335	2.920	ug/l	79
95) Naphthalene	15.239	128	1215	3.736	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.428	180	590	4.027	ug/l	98

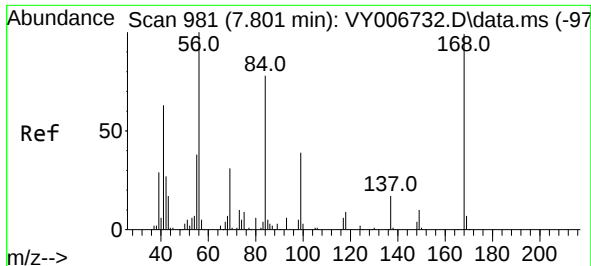
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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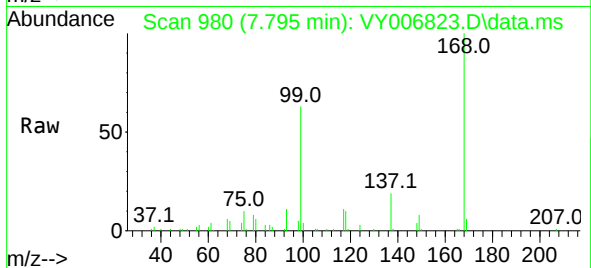
Quant Time: Nov 22 03:18:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 16 04:20:03 2021
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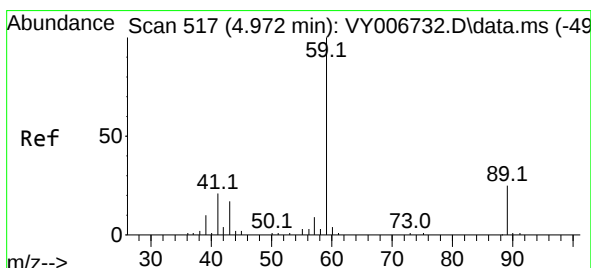
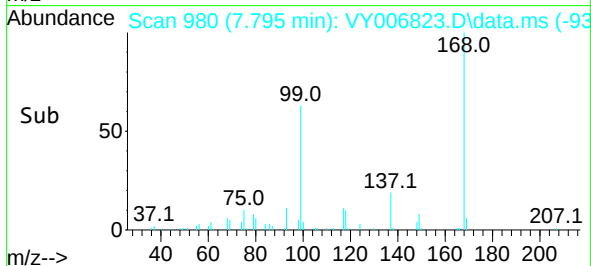
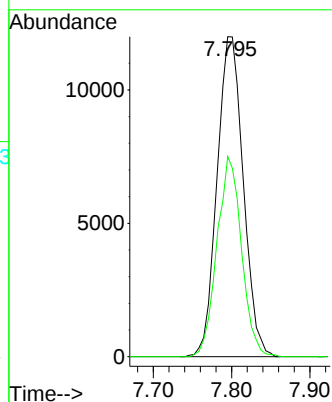


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

Instrument :
MSVOA_Y
ClientSampleId :

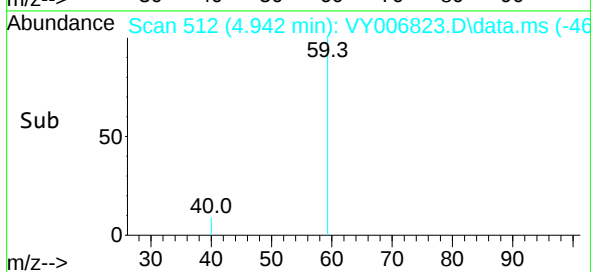
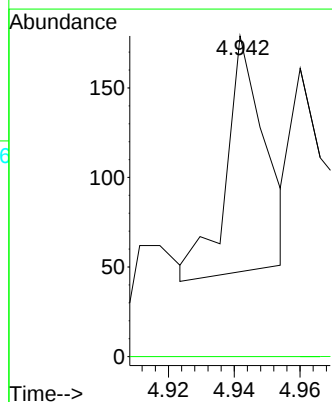
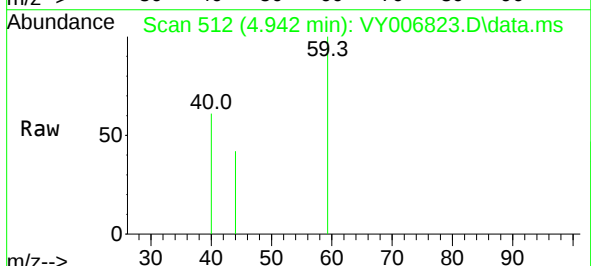


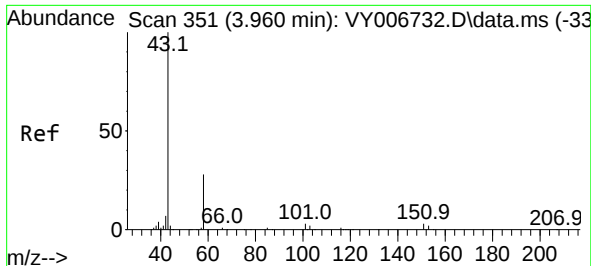
Tgt Ion:168 Resp: 27901
Ion Ratio Lower Upper
168 100
99 62.5 44.8 67.2



#11
Tert butyl alcohol
Concen: 1.982 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

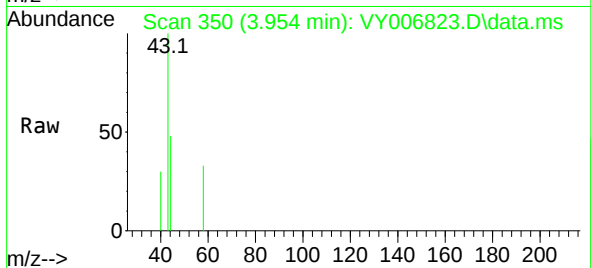
Tgt Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



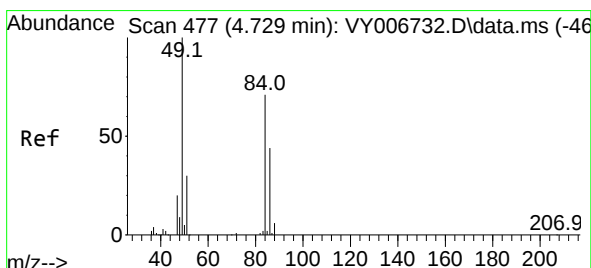
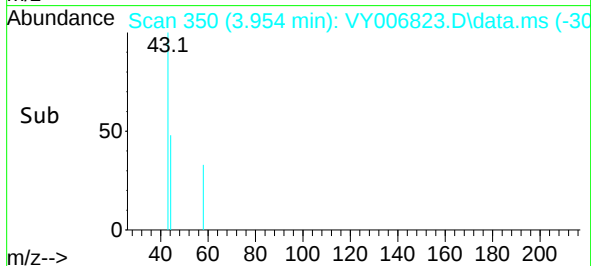
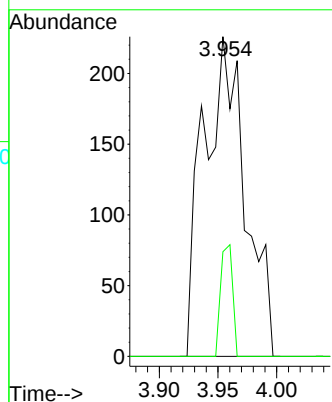


#16
Acetone
Concen: 5.022 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

Instrument :
MSVOA_Y
ClientSampleId :

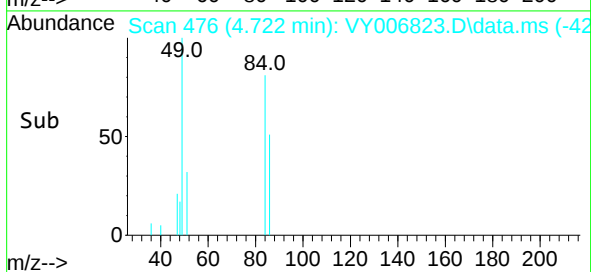
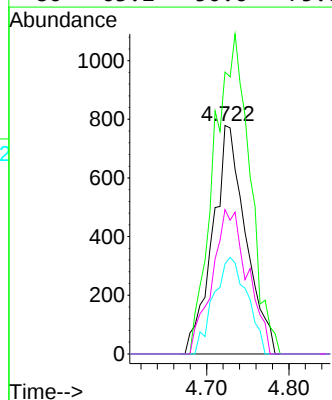
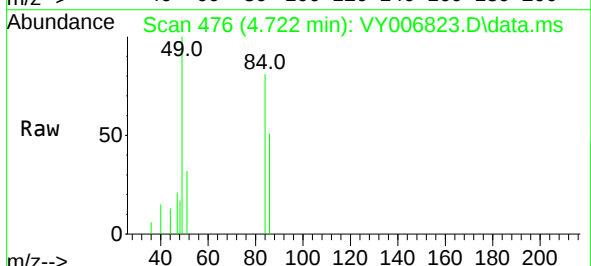


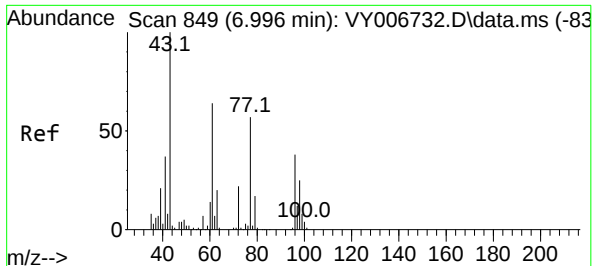
Tgt Ion: 43 Resp: 558
Ion Ratio Lower Upper
43 100
58 32.7 22.9 34.3



#20
Methylene Chloride
Concen: 3.351 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

Tgt Ion: 84 Resp: 2171
Ion Ratio Lower Upper
84 100
49 123.4 107.8 161.8
51 39.4 32.8 49.2
86 63.2 50.6 75.8





#25

2-Butanone

Concen: 12.215 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY006823.D

Acq: 19 Nov 2021 12:24

Instrument :

MSVOA_Y

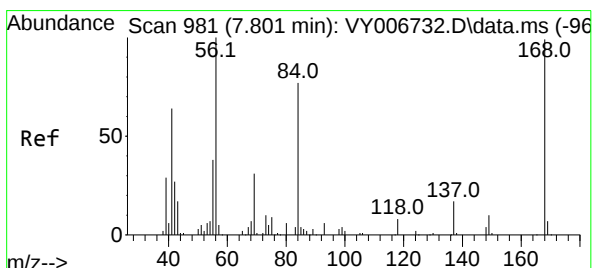
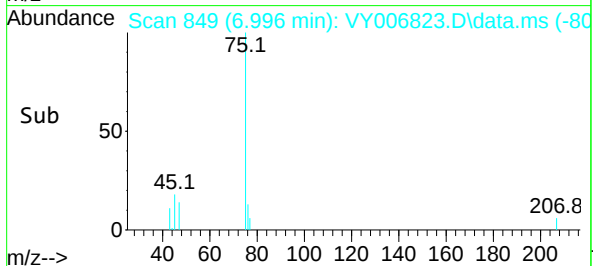
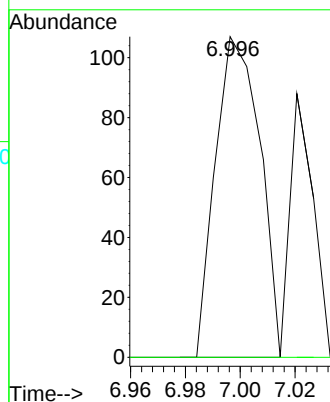
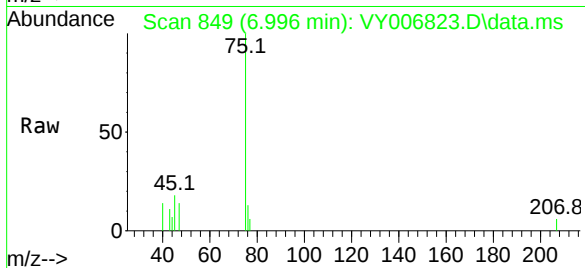
ClientSampleId :

Tgt Ion: 43 Resp: 121

Ion Ratio Lower Upper

43 100

72 0.0 18.9 28.3#



#31

Cyclohexane

Concen: 1.257 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.012 min

Lab File: VY006823.D

Acq: 19 Nov 2021 12:24

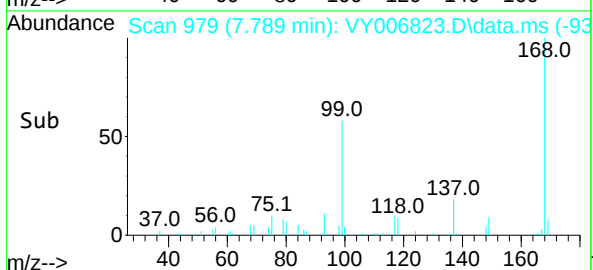
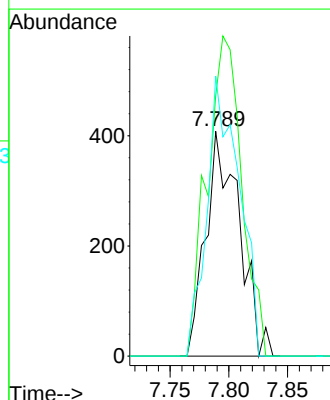
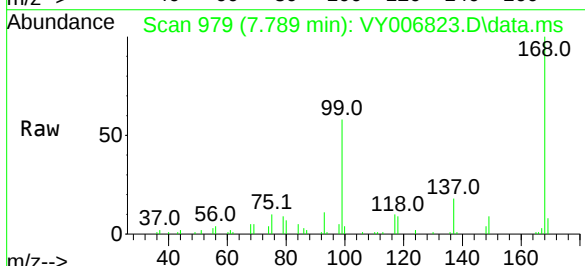
Tgt Ion: 56 Resp: 808

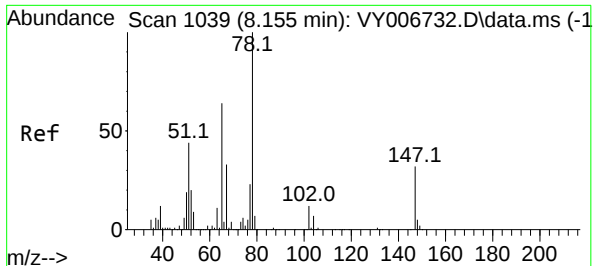
Ion Ratio Lower Upper

56 100

69 115.9 26.6 40.0#

84 124.5 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 45.513 ug/l

RT: 8.149 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY006823.D

Acq: 19 Nov 2021 12:24

Instrument :

MSVOA_Y

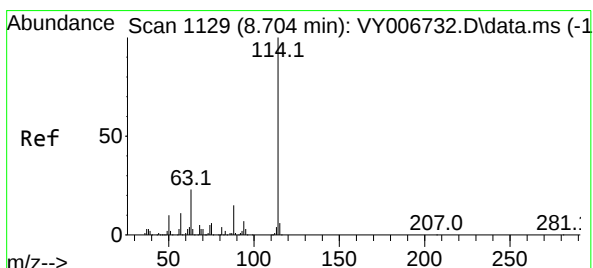
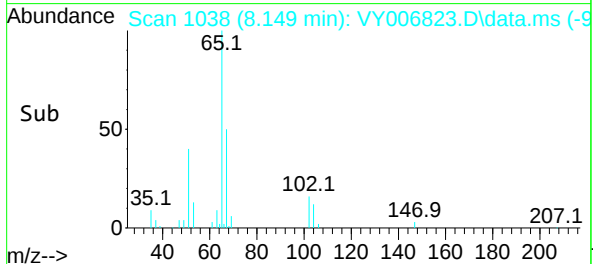
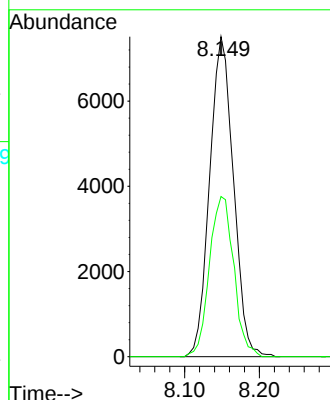
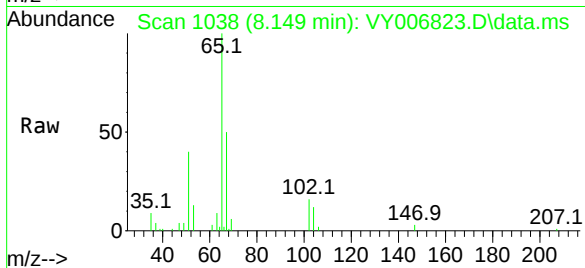
ClientSampleId :

Tgt Ion: 65 Resp: 16643

Ion Ratio Lower Upper

65 100

67 51.1 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: VY006823.D

Acq: 19 Nov 2021 12:24

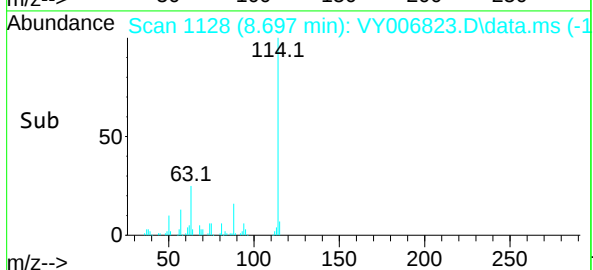
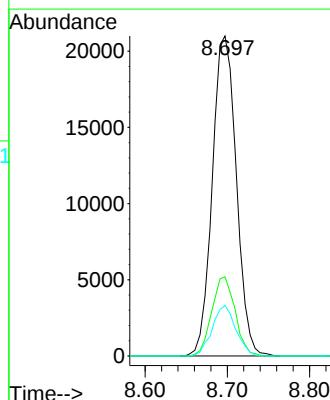
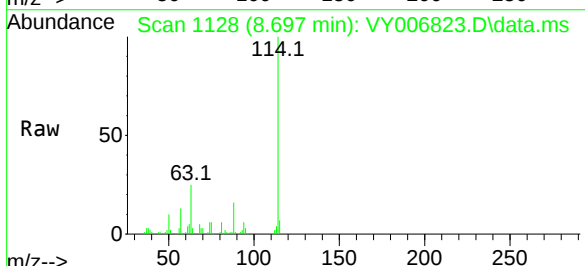
Tgt Ion: 114 Resp: 42591

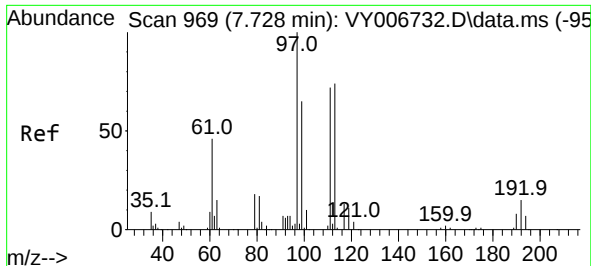
Ion Ratio Lower Upper

114 100

63 24.8 0.0 45.0

88 15.8 0.0 30.6

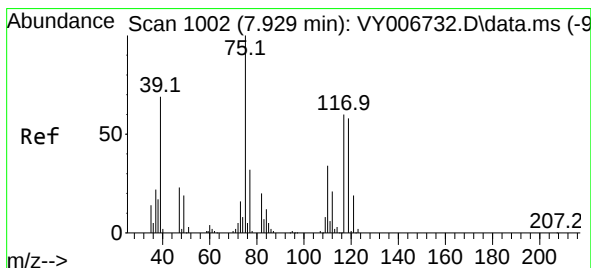
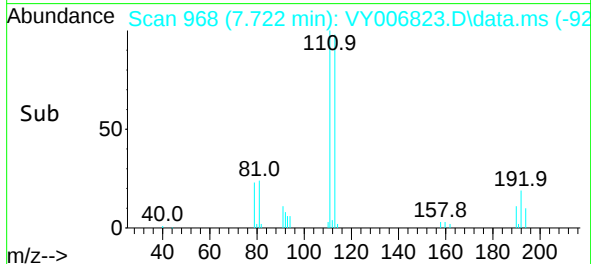
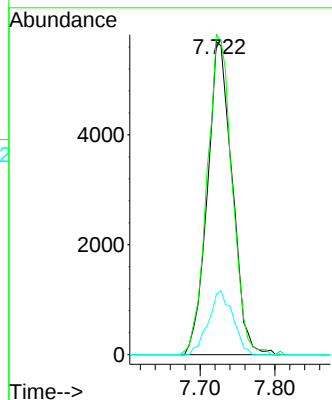
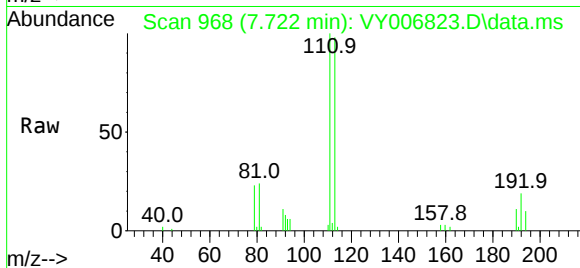




#35
 Dibromofluoromethane
 Concen: 50.239 ug/l
 RT: 7.722 min Scan# 90
 Delta R.T. -0.006 min
 Lab File: VY006823.D
 Acq: 19 Nov 2021 12:24

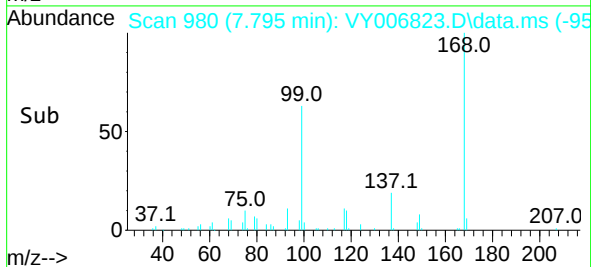
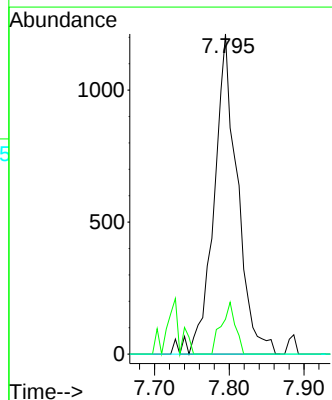
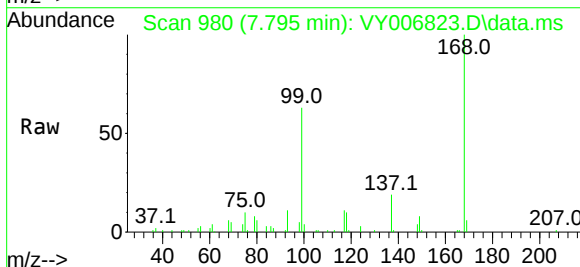
Instrument :
 MSVOA_Y
 ClientSampleId :

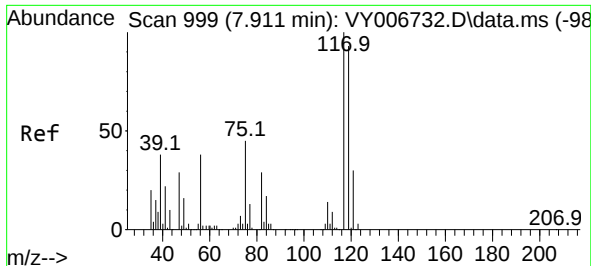
Tgt Ion:113 Resp: 13143
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.3 123.5
 192 20.1 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.670 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.134 min
 Lab File: VY006823.D
 Acq: 19 Nov 2021 12:24

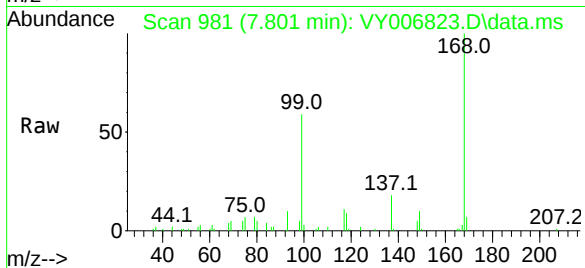
Tgt Ion: 75 Resp: 2625
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.1 51.3#
 77 0.0 24.9 37.3#



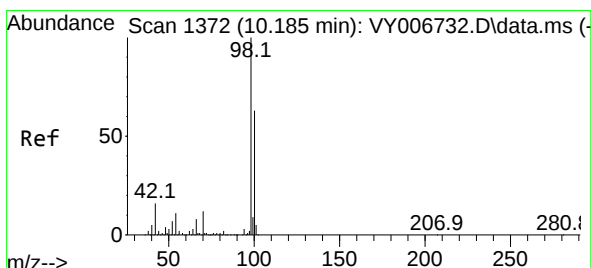
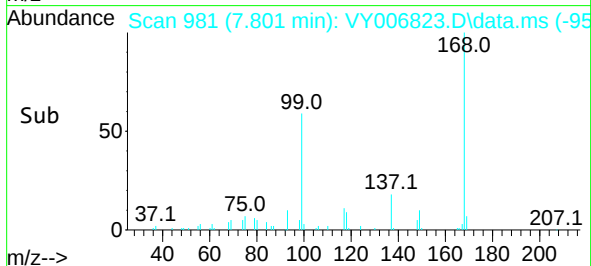
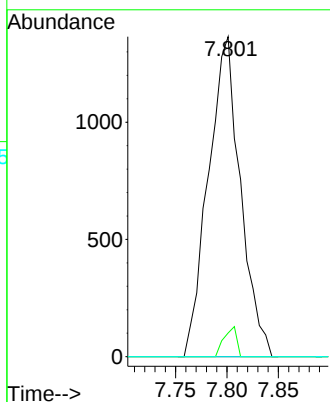


#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

Instrument :
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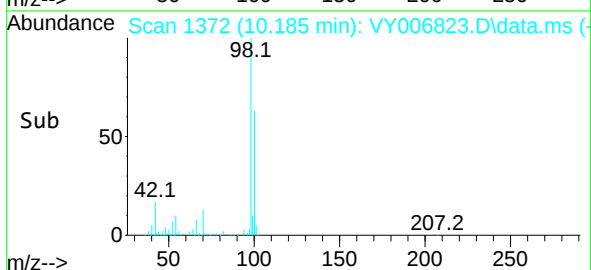
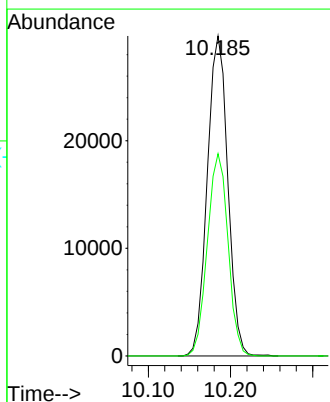
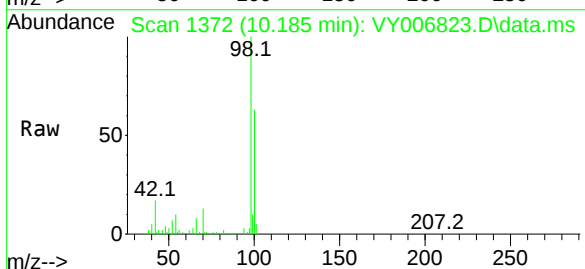


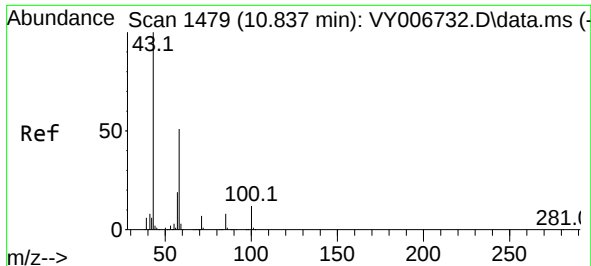
Tgt Ion:117 Resp: 2963
Ion Ratio Lower Upper
117 100
119 7.4 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.601 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

Tgt Ion: 98 Resp: 51532
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3

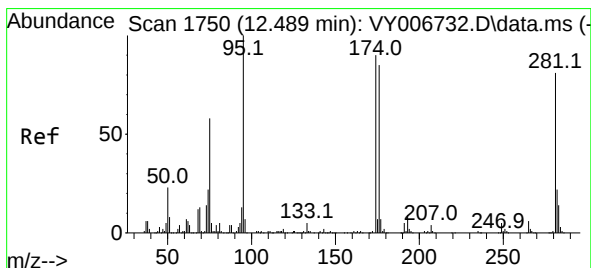
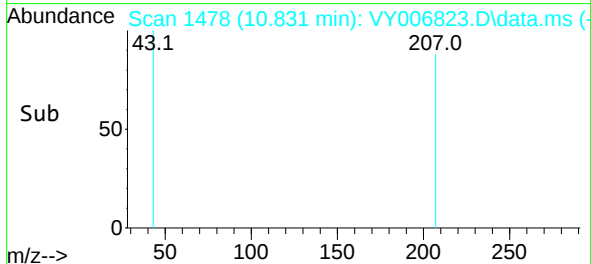
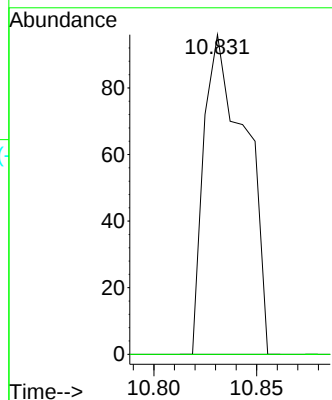
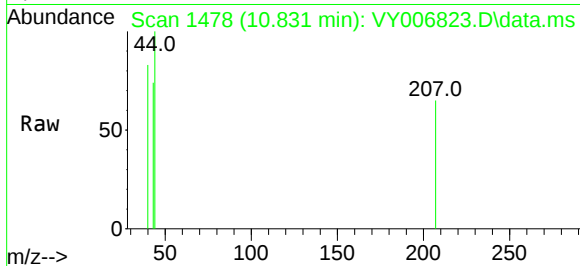




#59
2-Hexanone
Concen: 24.364 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.006 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

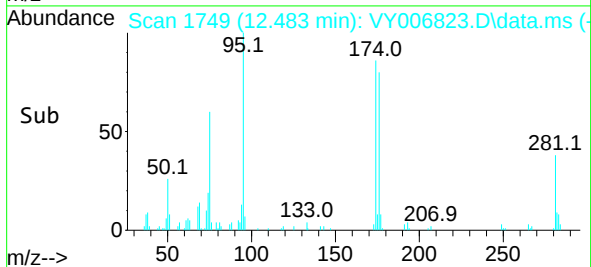
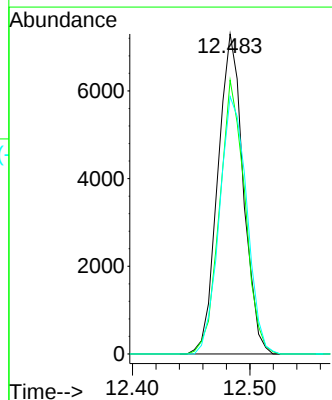
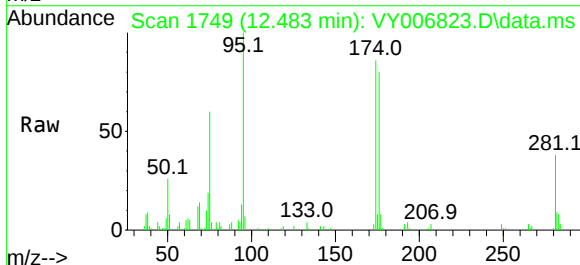
Instrument :
MSVOA_Y
ClientSampleId :

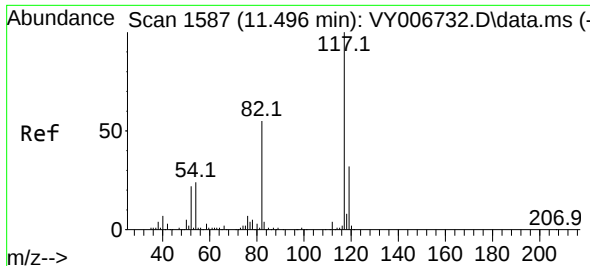
Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.6#



#62
4-Bromofluorobenzene
Concen: 30.124 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

Tgt Ion: 95 Resp: 10994
Ion Ratio Lower Upper
95 100
174 84.8 0.0 177.0
176 86.3 0.0 169.4

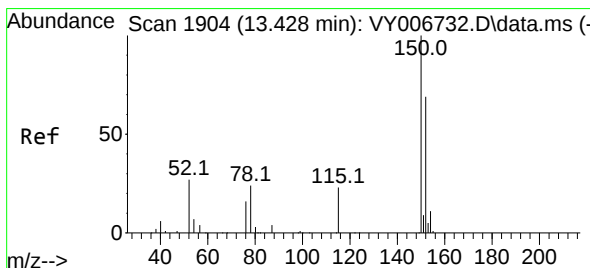
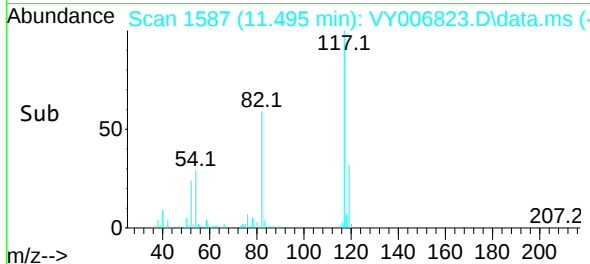
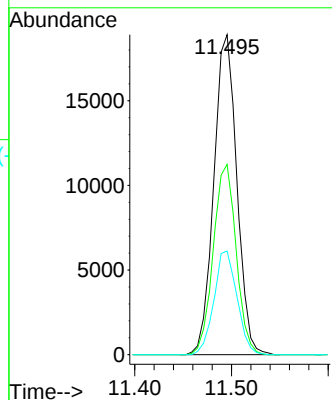
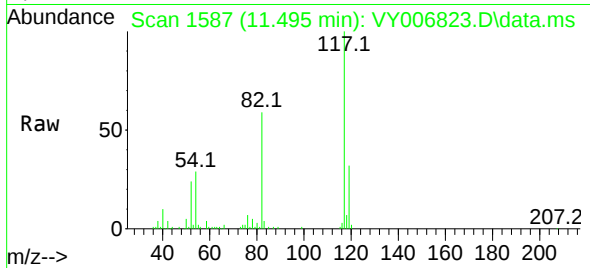




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

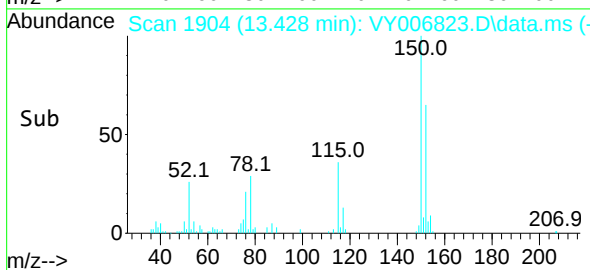
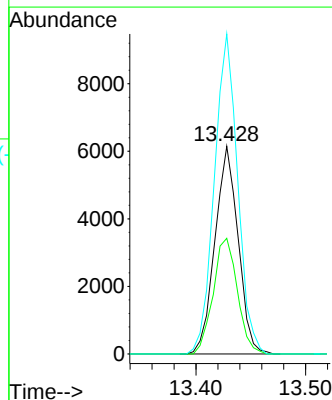
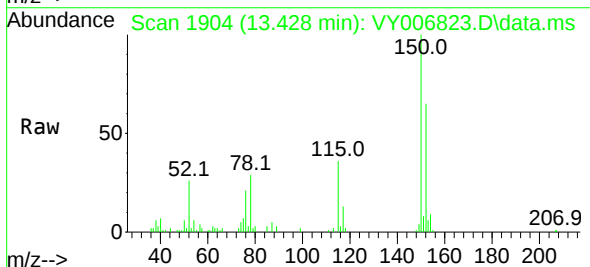
Instrument :
MSVOA_Y
ClientSampleId :

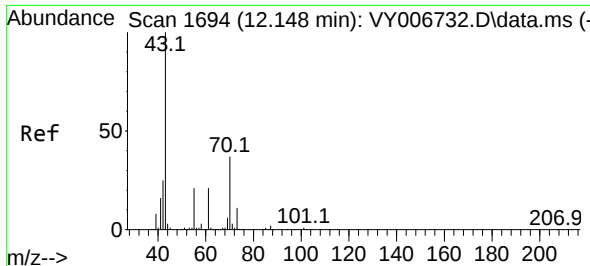
Tgt Ion:117 Resp: 31202
Ion Ratio Lower Upper
117 100
82 59.5 45.7 68.5
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

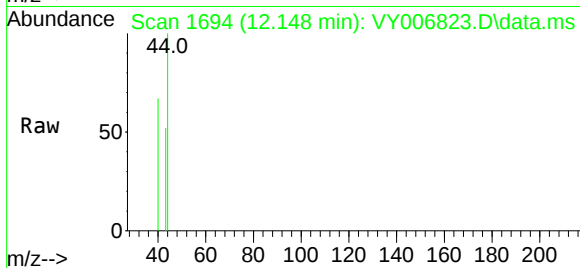
Tgt Ion:152 Resp: 9029
Ion Ratio Lower Upper
152 100
115 58.1 28.5 85.5
150 154.9 0.0 348.2



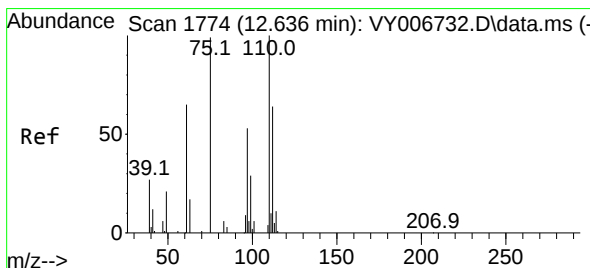
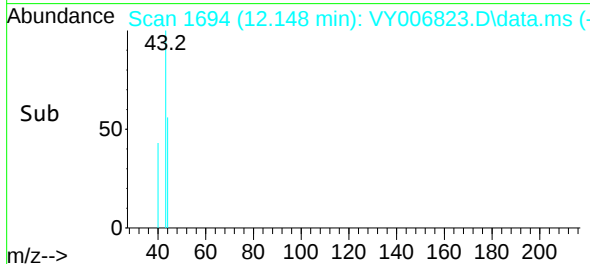
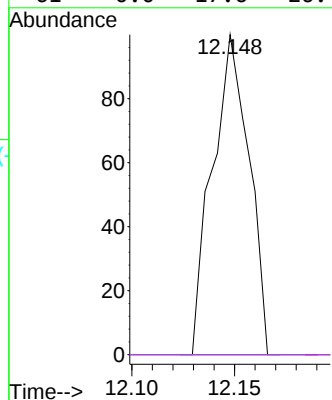


#74
N-amy1 acetate
Concen: 3.622 ug/l
RT: 12.148 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

Instrument :
MSVOA_Y
ClientSampleId :

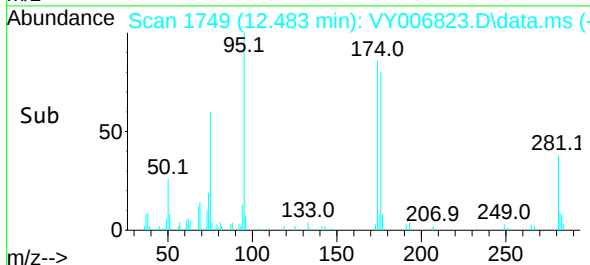
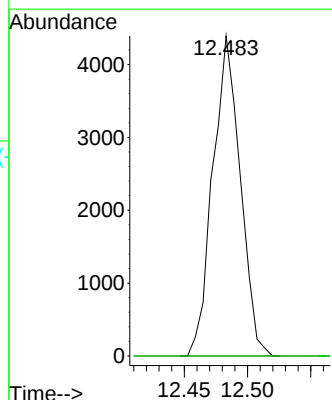
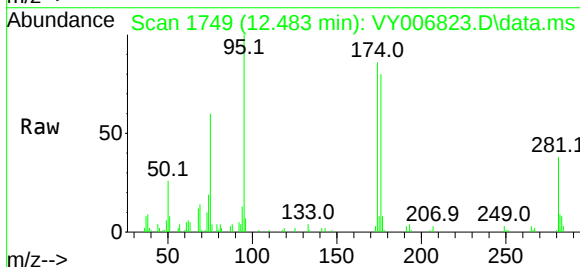


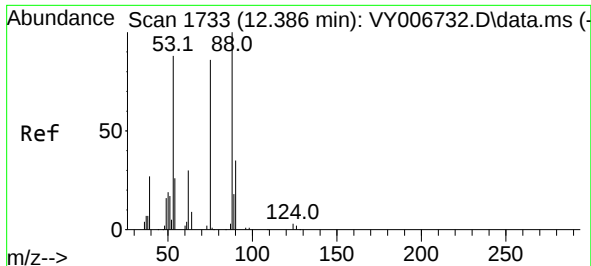
Tgt Ion: 43	Resp: 124
Ion Ratio	Lower Upper
43 100	
70 0.0	29.4 44.0#
55 0.0	18.1 27.1#
61 0.0	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 67.549 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

Tgt Ion: 75	Resp: 6631
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

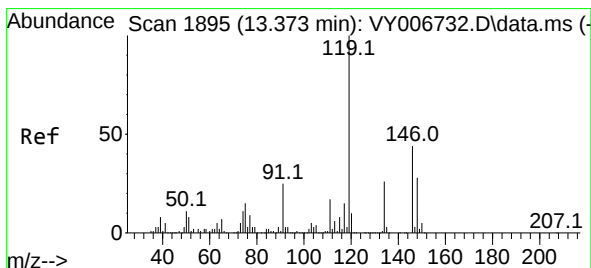
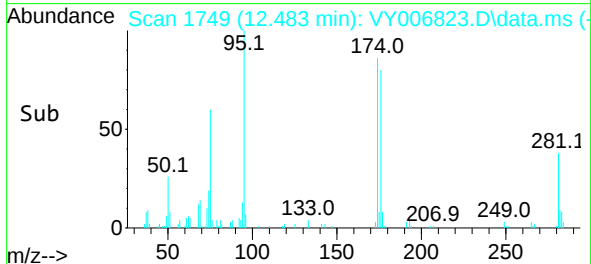
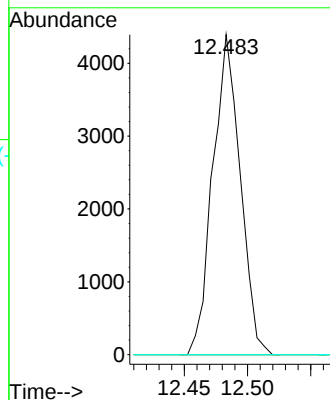
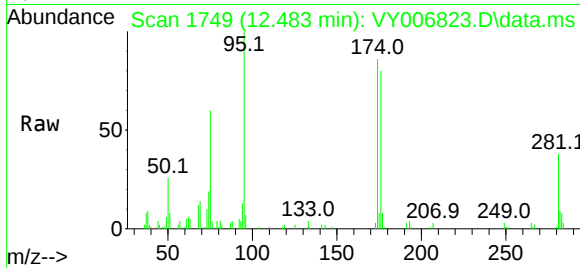




#81
trans-1,4-Dichloro-2-butene
Concen: 133.847 ug/l
RT: 12.483 min Scan# 1733
Delta R.T. 0.097 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

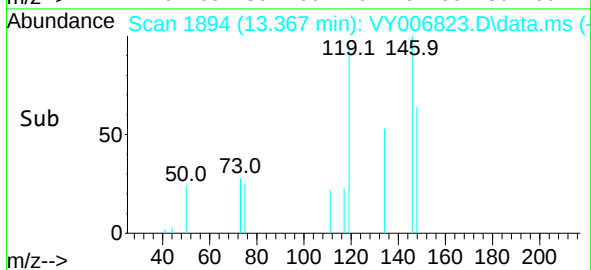
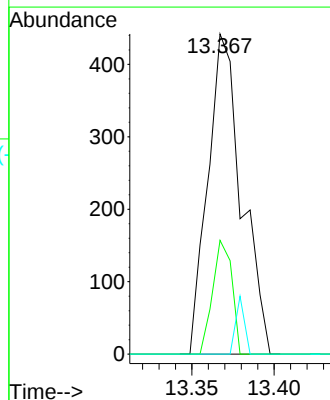
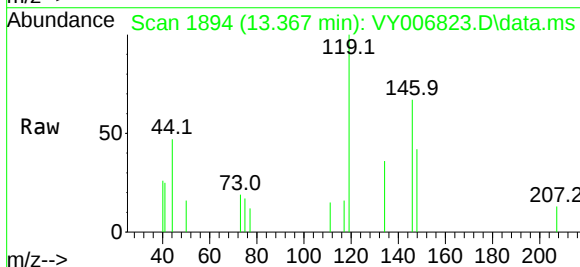
Instrument :
MSVOA_Y
ClientSampleId :

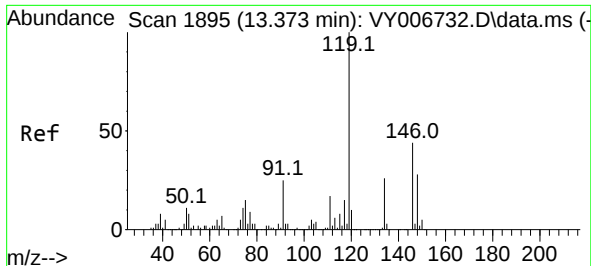
Tgt Ion: 75 Resp: 6631
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#86
p-Isopropyltoluene
Concen: 1.024 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY006823.D
Acq: 19 Nov 2021 12:24

Tgt Ion: 119 Resp: 632
Ion Ratio Lower Upper
119 100
134 20.1 13.1 39.1
91 4.6 12.4 37.4#

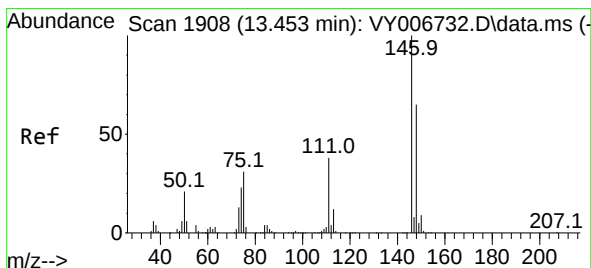
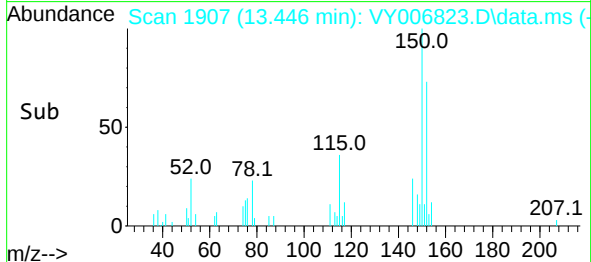
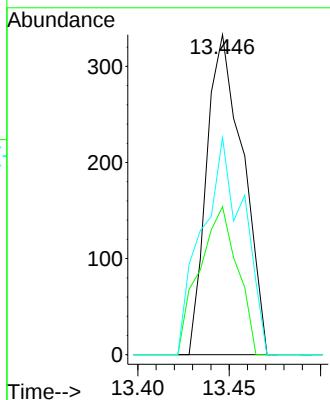
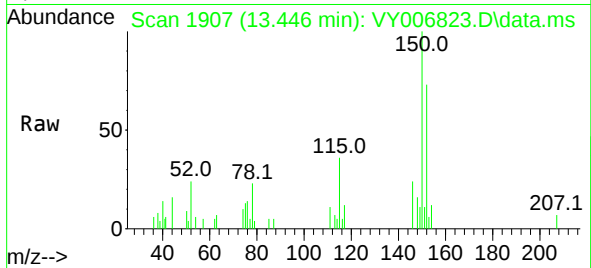




#87
 1,3-Dichlorobenzene
 Concen: 1.475 ug/l
 RT: 13.446 min Scan# 1907
 Delta R.T. 0.073 min
 Lab File: VY006823.D
 Acq: 19 Nov 2021 12:24

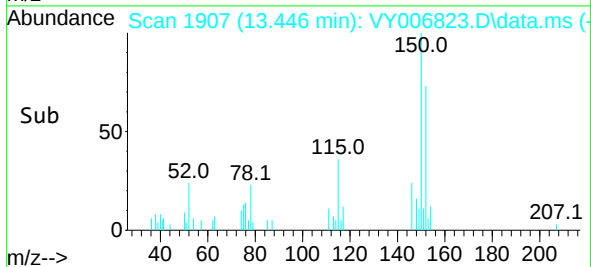
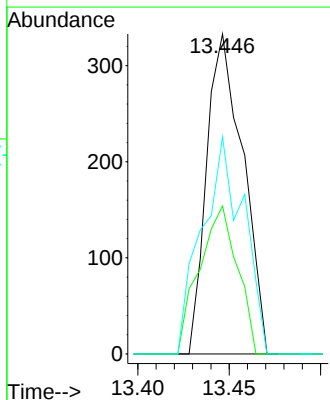
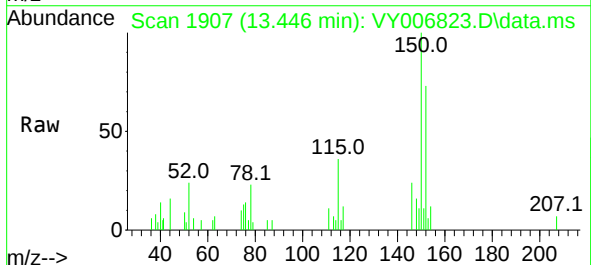
Instrument :
 MSVOA_Y
 ClientSampleId :

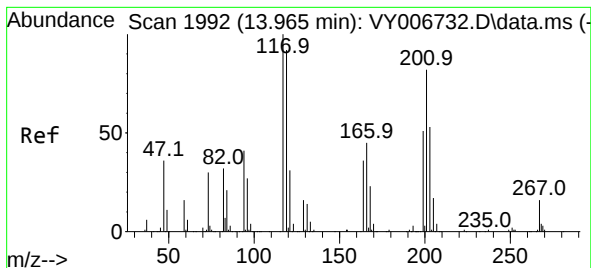
Tgt Ion:146 Resp: 460
 Ion Ratio Lower Upper
 146 100
 111 48.5 19.3 57.9
 148 77.4 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 1.495 ug/l
 RT: 13.446 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY006823.D
 Acq: 19 Nov 2021 12:24

Tgt Ion:146 Resp: 460
 Ion Ratio Lower Upper
 146 100
 111 48.5 18.9 56.5
 148 77.4 32.0 96.2





#90

Hexachloroethane

Concen: 1.025 ug/l

RT: 13.958 min Scan# 1992

Delta R.T. -0.006 min

Lab File: VY006823.D

Acq: 19 Nov 2021 12:24

Instrument :

MSVOA_Y

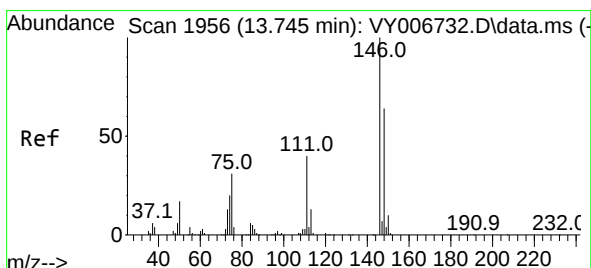
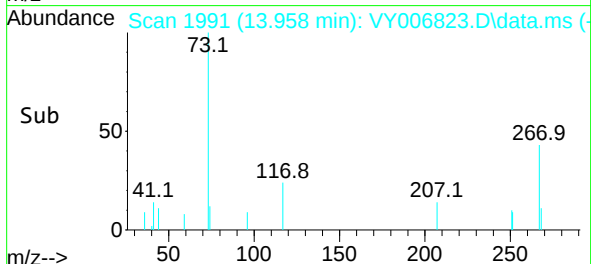
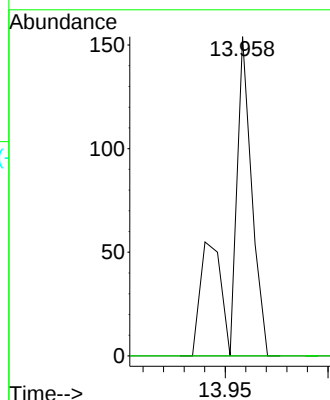
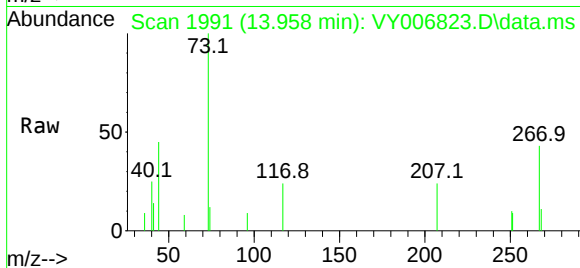
ClientSampleId :

Tgt Ion:117 Resp: 114

Ion Ratio Lower Upper

117 100

201 0.0 43.4 130.1#



#91

1,2-Dichlorobenzene

Concen: 1.302 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VY006823.D

Acq: 19 Nov 2021 12:24

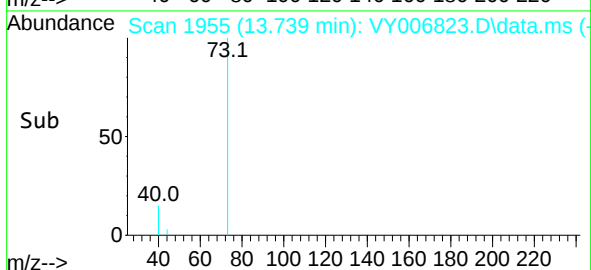
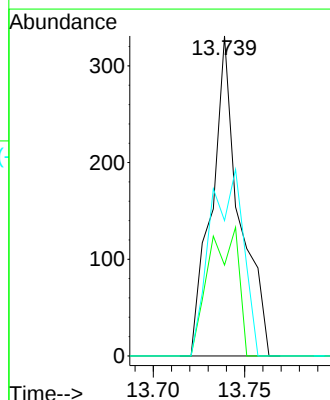
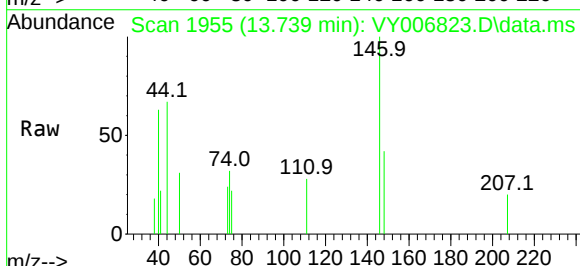
Tgt Ion:146 Resp: 350

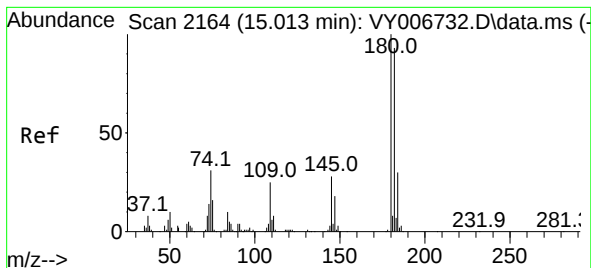
Ion Ratio Lower Upper

146 100

111 42.9 20.1 60.3

148 69.4 31.9 95.7





#93

1,2,4-Trichlorobenzene

Concen: 3.441 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.006 min

Lab File: VY006823.D

Acq: 19 Nov 2021 12:24

Instrument :

MSVOA_Y

ClientSampleId :

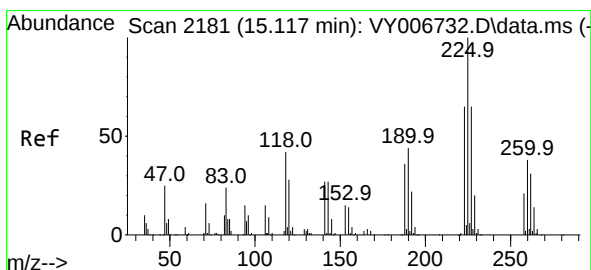
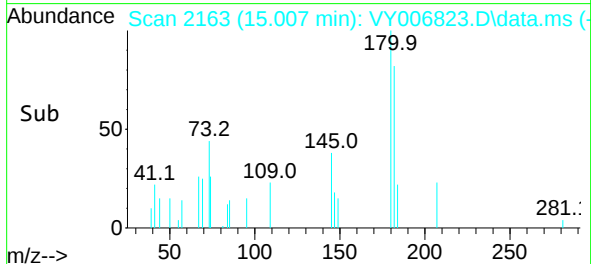
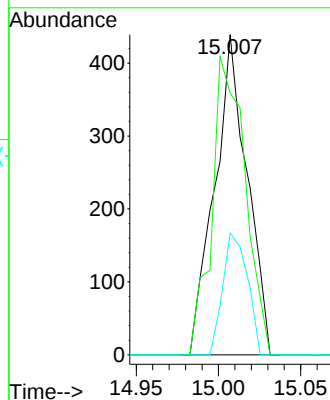
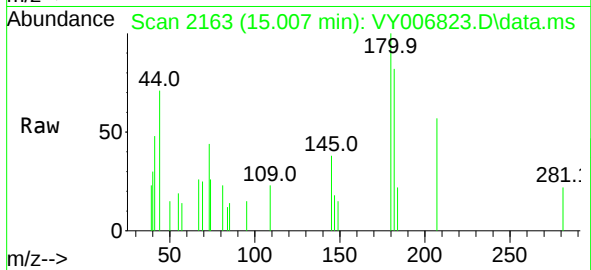
Tgt Ion:180 Resp: 605

Ion Ratio Lower Upper

180 100

182 94.9 47.1 141.4

145 28.6 14.5 43.6



#94

Hexachlorobutadiene

Concen: 2.920 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. -0.000 min

Lab File: VY006823.D

Acq: 19 Nov 2021 12:24

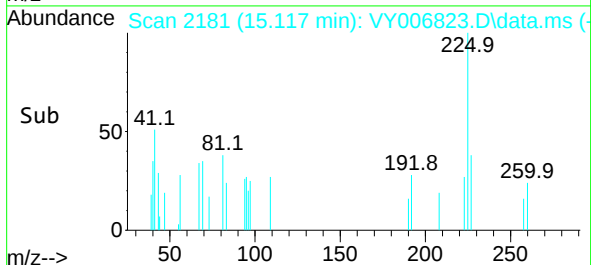
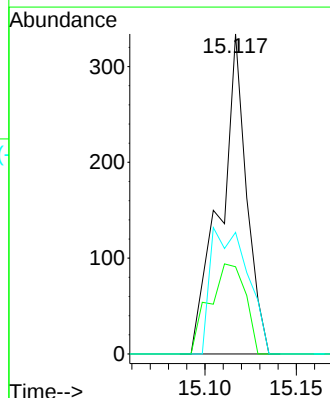
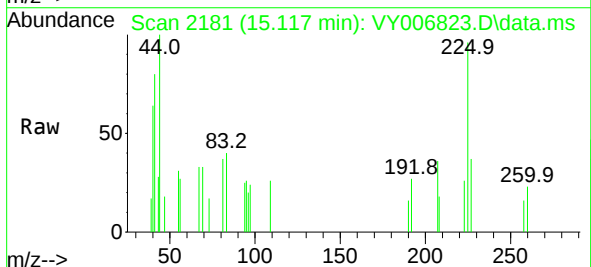
Tgt Ion:225 Resp: 335

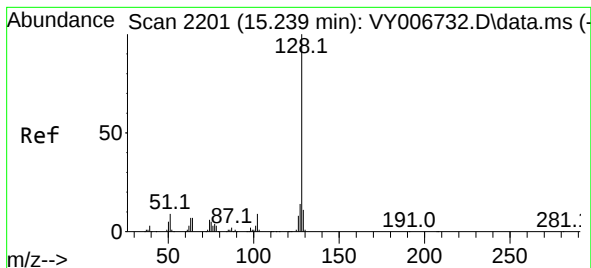
Ion Ratio Lower Upper

225 100

223 38.5 31.6 94.7

227 55.8 31.9 95.9





#95

Naphthalene

Concen: 3.736 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY006823.D

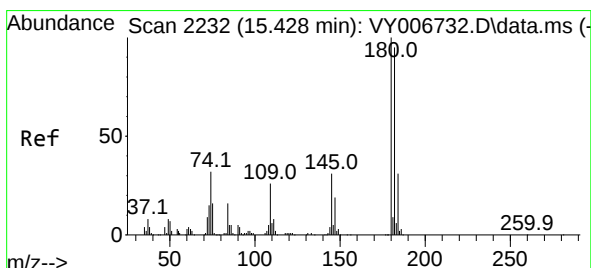
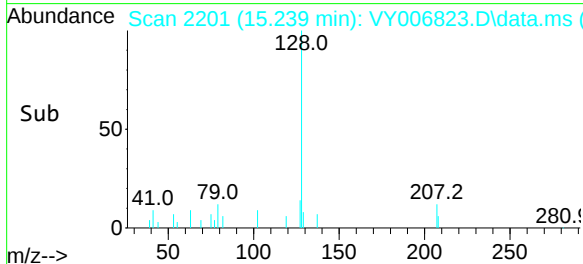
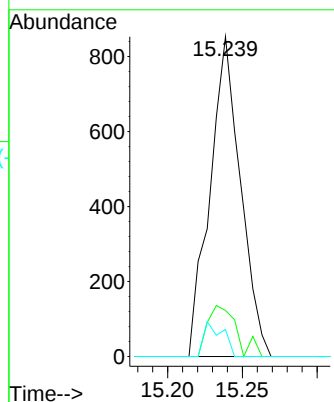
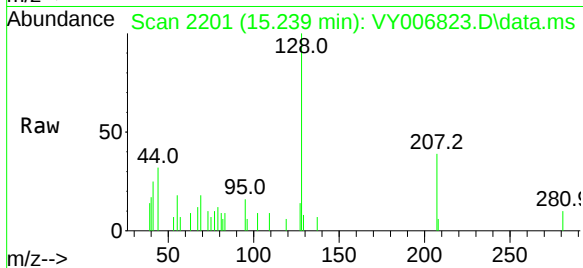
Acq: 19 Nov 2021 12:24

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	1215
Ion	Ratio	Lower Upper
128	100	
127	15.1	11.0 16.4
129	6.7	8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 4.027 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY006823.D

Acq: 19 Nov 2021 12:24

Tgt Ion:180	Resp:	590
Ion	Ratio	Lower Upper
180	100	
182	95.3	47.8 143.4
145	35.4	15.3 45.8

