

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020422\
 Data File : VY007396.D
 Acq On : 04 Feb 2022 15:50
 Operator : SY/MD
 Sample : N1387-07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 24801

Quant Time: Feb 06 23:36:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

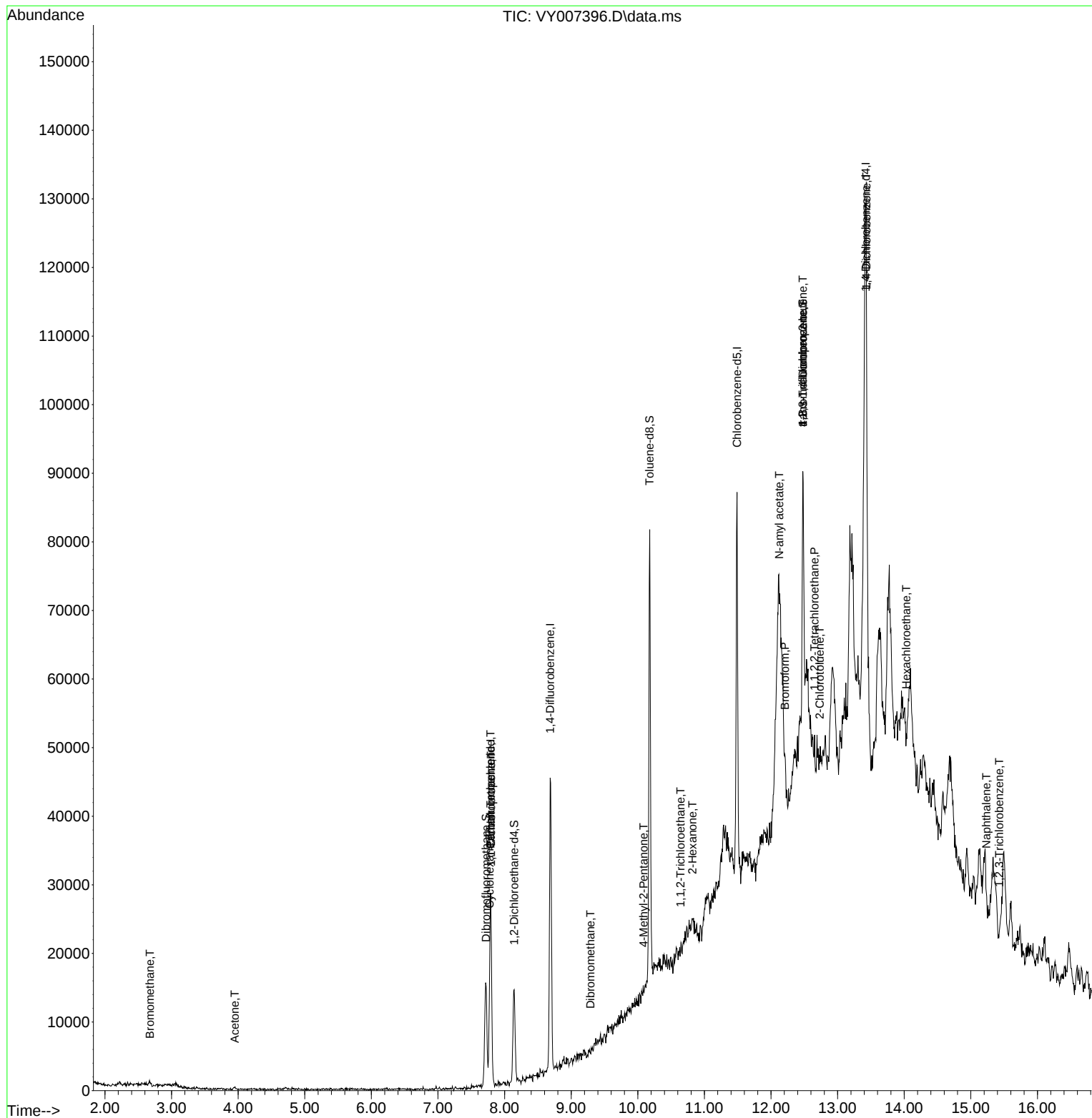
Internal Standards						
1) Pentafluorobenzene	7.789	168	20727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	35984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	27784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	11125	46.663	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.320%
35) Dibromofluoromethane	7.722	113	10931	47.307	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.620%
50) Toluene-d8	10.179	98	42314	49.567	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.477	95	13583	46.813	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.620%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	126	Below Cal	#	44
5) Bromomethane	2.674	94	208	1.200	ug/l #	65
11) Tert butyl alcohol	4.972	59	27	Below Cal	#	77
16) Acetone	3.948	43	675	8.718	ug/l #	47
20) Methylene Chloride	4.716	84	171	Below Cal	#	55
31) Cyclohexane	7.777	56	559	1.202	ug/l #	18
36) 1,1-Dichloropropene	7.795	75	1594	3.946	ug/l #	47
38) Carbon Tetrachloride	7.789	117	2225	5.243	ug/l #	11
46) Dibromomethane	9.289	93	203	1.292	ug/l #	32
51) 4-Methyl-2-Pentanone	10.087	43	228	1.197	ug/l #	73
55) 1,1,2-Trichloroethane	10.642	97	318	1.541	ug/l #	19
59) 2-Hexanone	10.819	43	366	2.636	ug/l #	36
71) Bromoform	12.209	173	216	1.697	ug/l #	3
74) N-amyl acetate	12.124	43	953	4.761	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.654	83	334	2.262	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	6169	58.648	ug/l #	100
79) 2-Chlorotoluene	12.733	91	564	1.040	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.477	75	6169	117.497	ug/l #	9
88) 1,4-Dichlorobenzene	13.434	146	344	1.045	ug/l #	58
90) Hexachloroethane	14.032	117	234	1.765	ug/l	61
95) Naphthalene	15.233	128	456	1.275	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.428	180	337	2.319	ug/l #	1

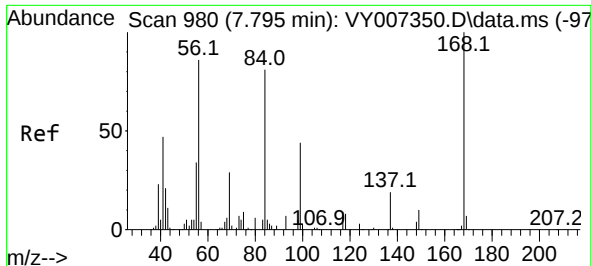
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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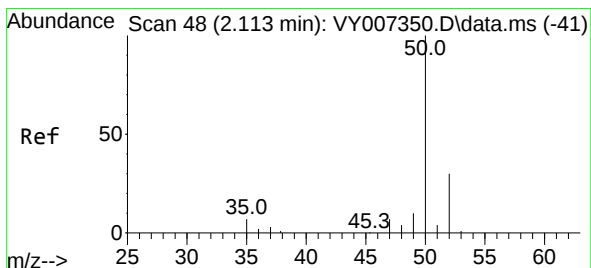
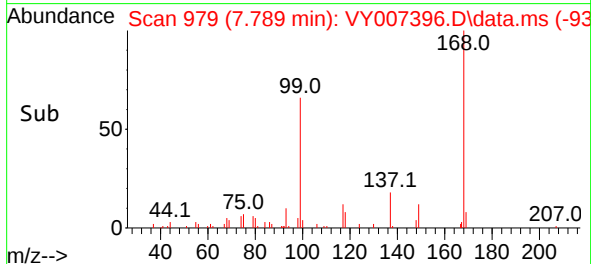
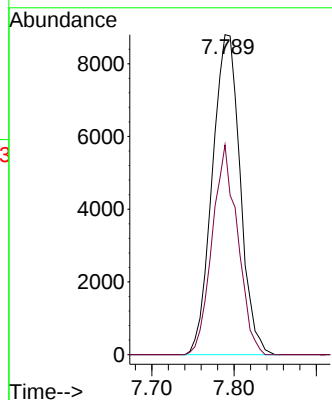
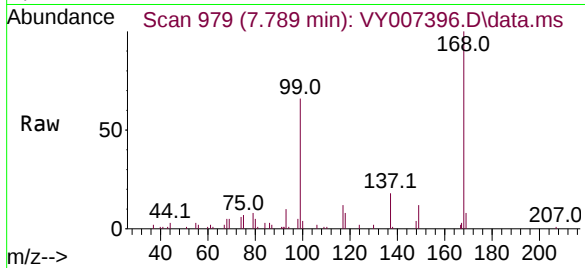




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

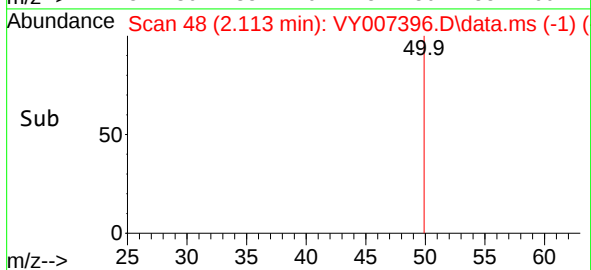
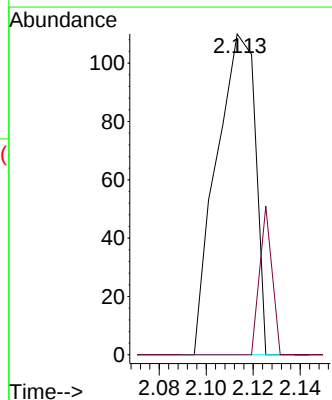
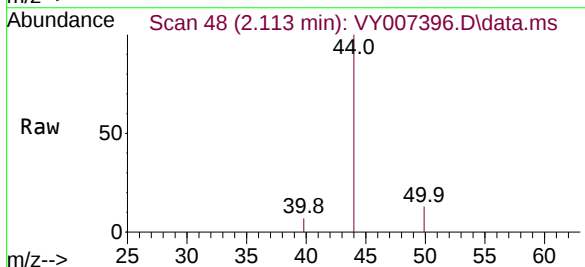
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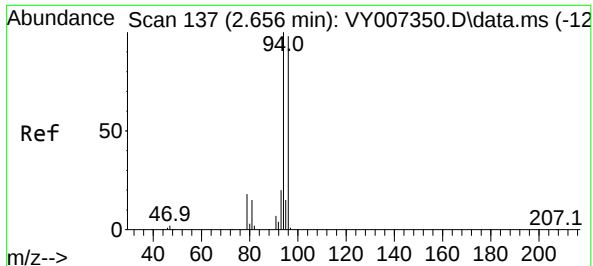
Tgt Ion:168 Resp: 20727
Ion Ratio Lower Upper
168 100
99 65.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

Tgt Ion: 50 Resp: 126
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

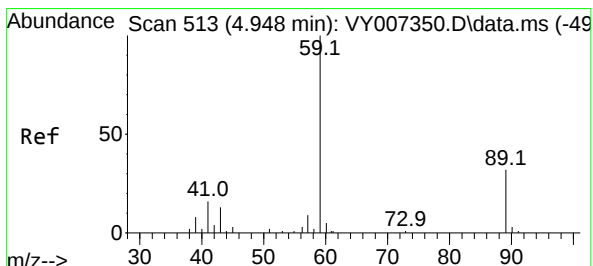
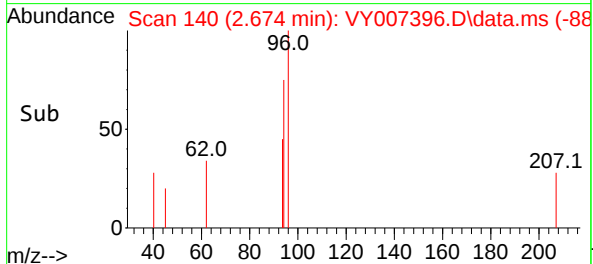
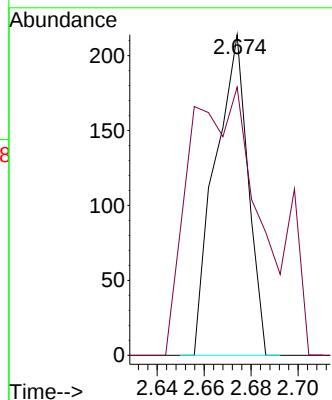
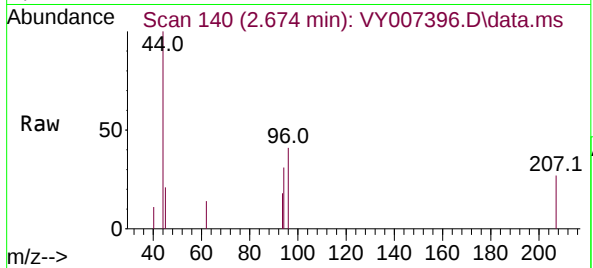




#5
Bromomethane
Concen: 1.200 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

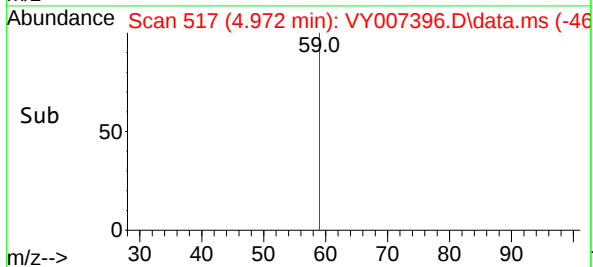
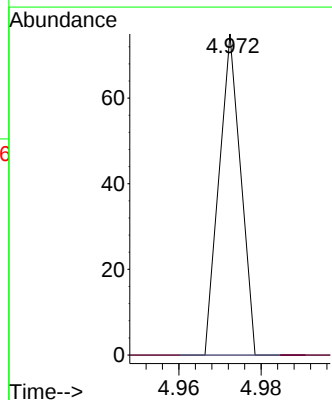
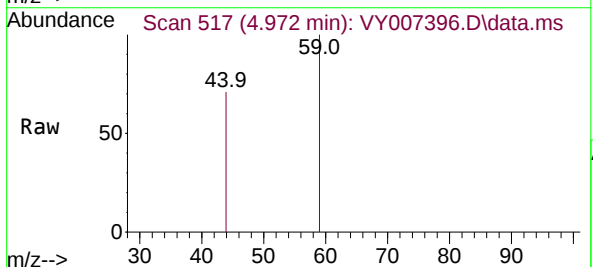
Instrument :
MSVOA_Y
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24801

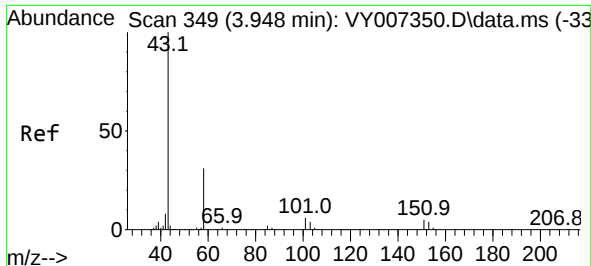
Tgt Ion: 94 Resp: 208
Ion Ratio Lower Upper
94 100
96 58.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.024 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

Tgt Ion: 59 Resp: 27
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 8.718 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

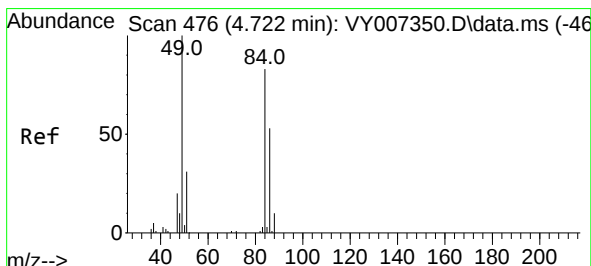
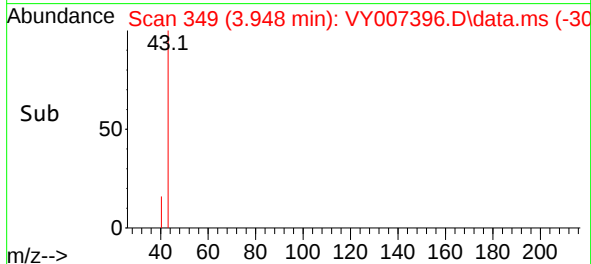
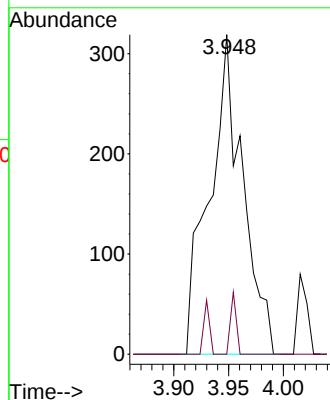
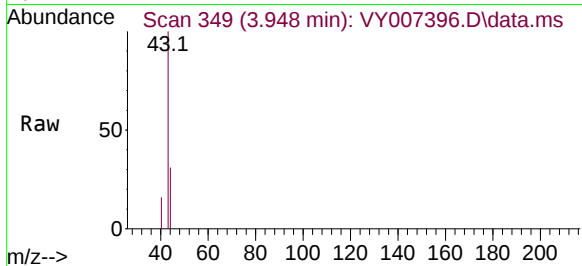
24801

Tgt Ion: 43 Resp: 675

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

Tgt Ion: 84 Resp: 171

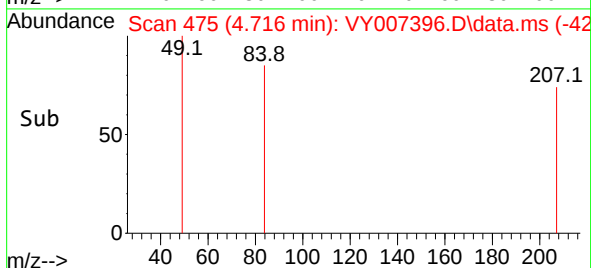
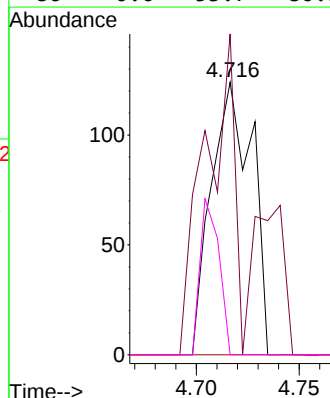
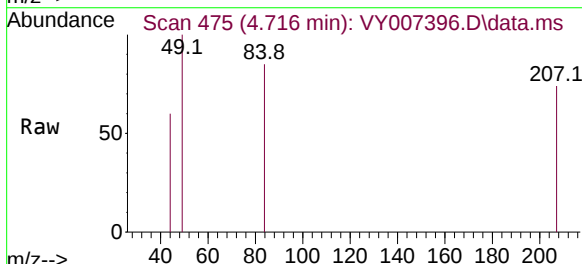
Ion Ratio Lower Upper

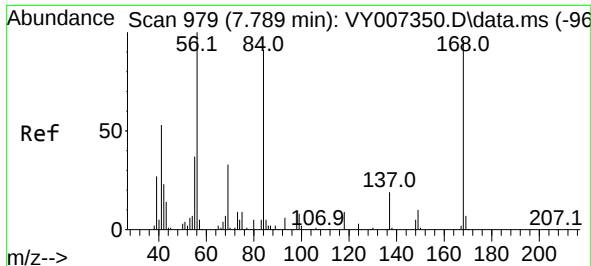
84 100

49 117.7 114.4 171.6

51 0.0 35.3 52.9#

86 0.0 53.7 80.5#

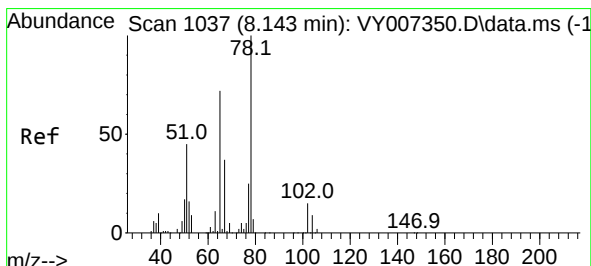
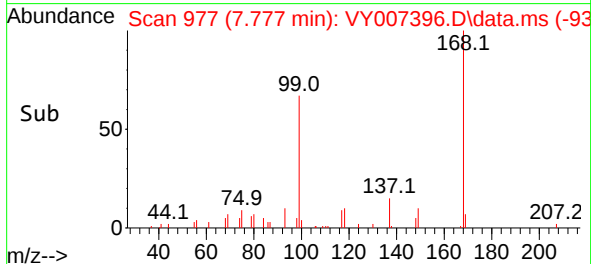
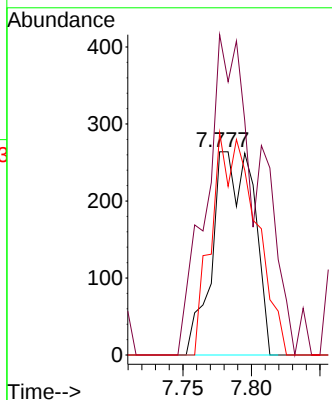
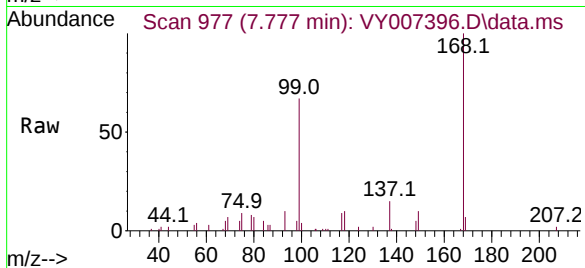




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

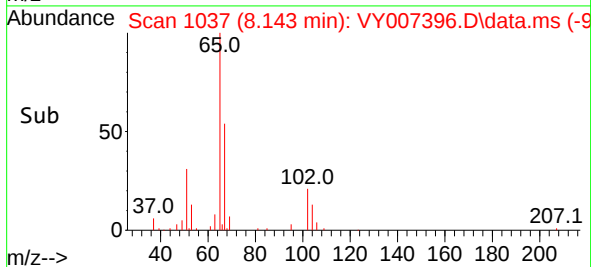
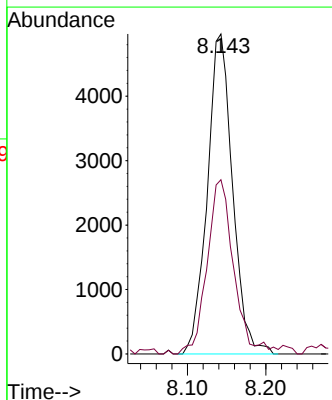
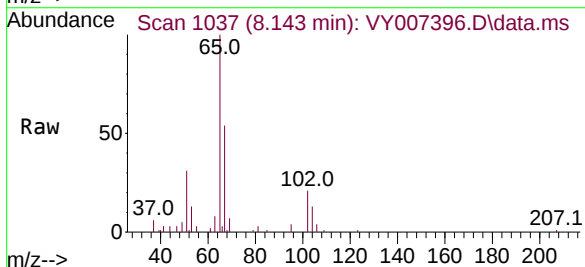
Instrument :
MSVOA_Y
ClientSampleId :
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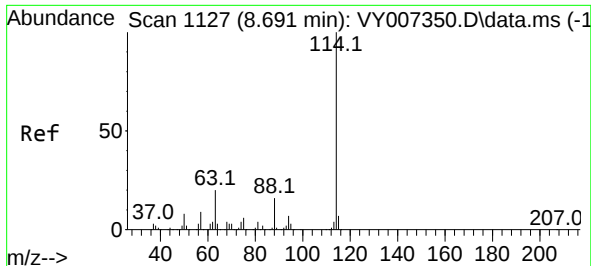
Tgt Ion: 56 Resp: 559
Ion Ratio Lower Upper
56 100
69 157.6 26.7 40.1#
84 109.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 46.663 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

Tgt Ion: 65 Resp: 11125
Ion Ratio Lower Upper
65 100
67 55.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

24801

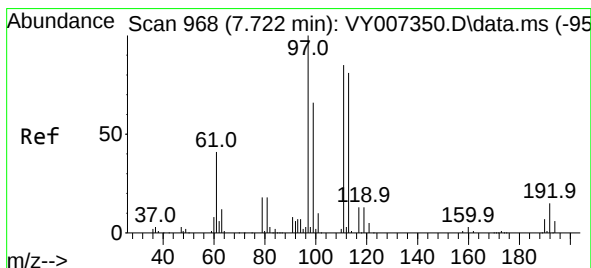
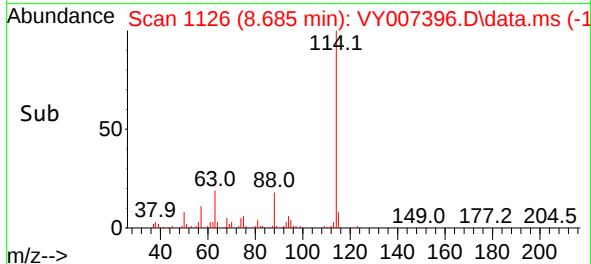
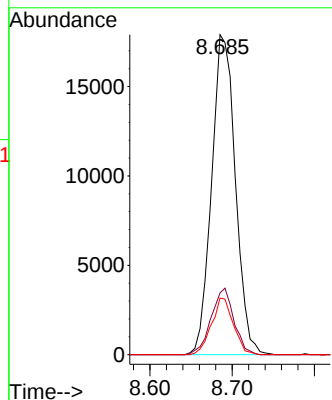
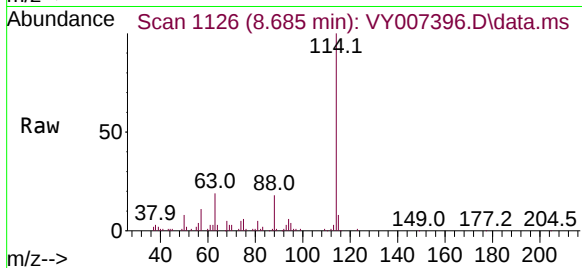
Tgt Ion:114 Resp: 35984

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 17.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.307 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

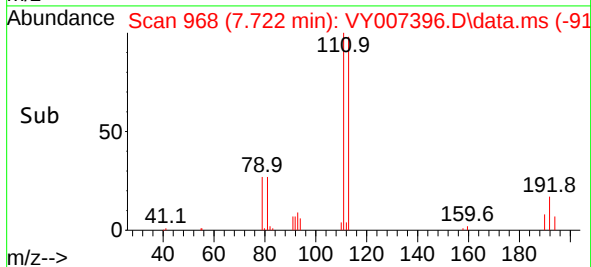
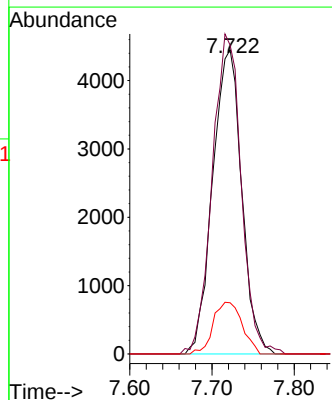
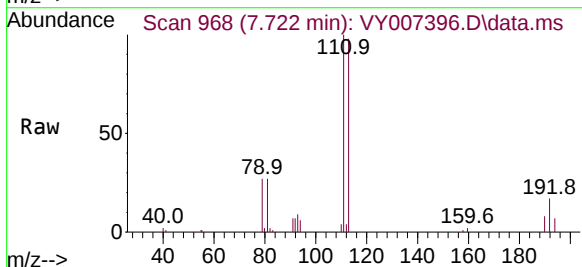
Tgt Ion:113 Resp: 10931

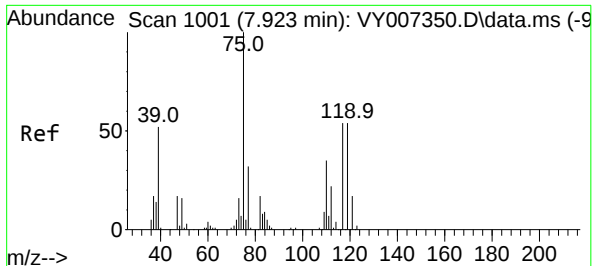
Ion Ratio Lower Upper

113 100

111 104.5 82.6 124.0

192 17.0 17.6 26.4#

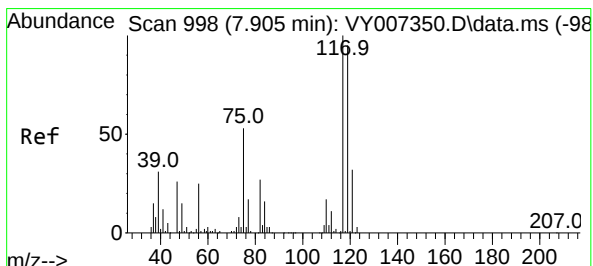
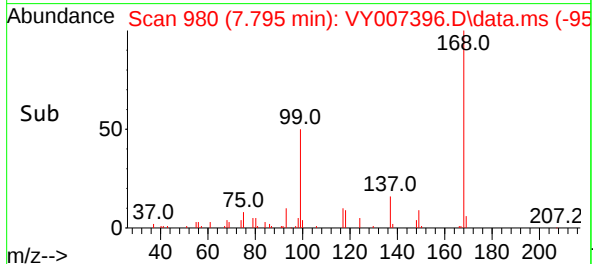
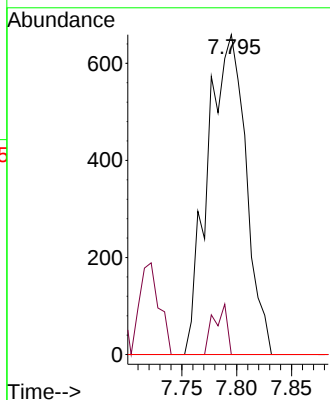
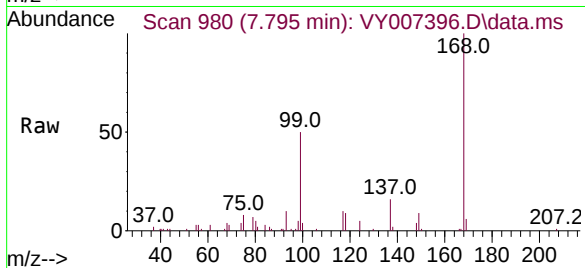




#36
1,1-Dichloropropene
Concen: 3.946 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY007396.D
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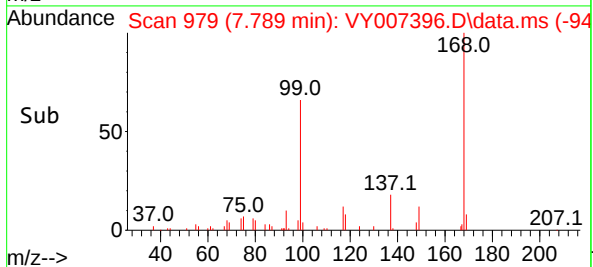
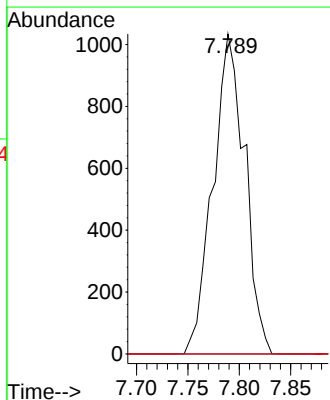
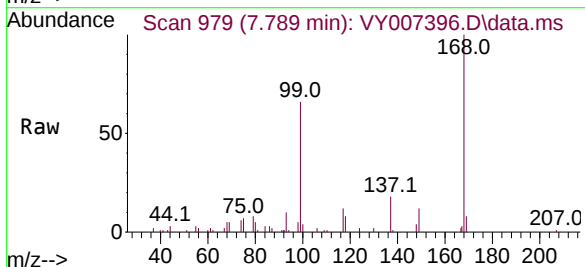
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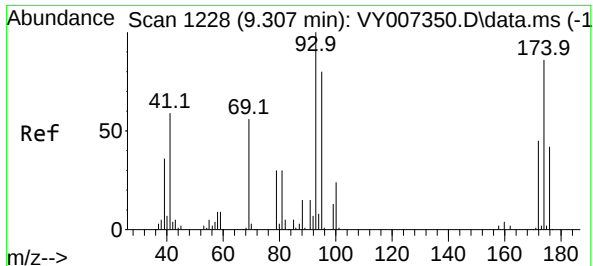
Tgt Ion: 75 Resp: 1594
Ion Ratio Lower Upper
75 100
110 5.6 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.243 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

Tgt Ion: 117 Resp: 2225
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

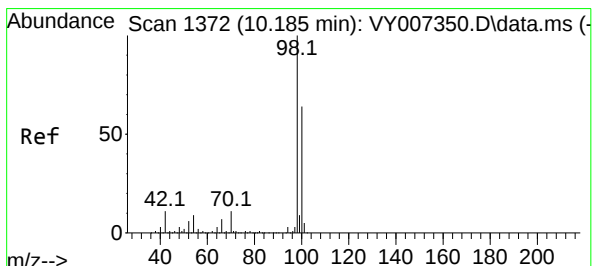
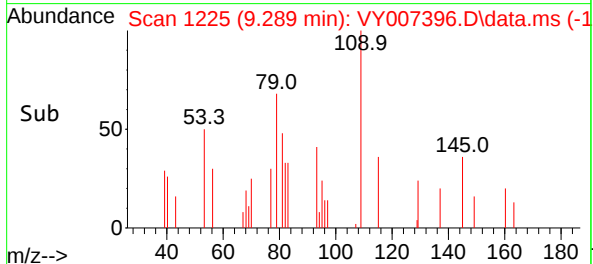
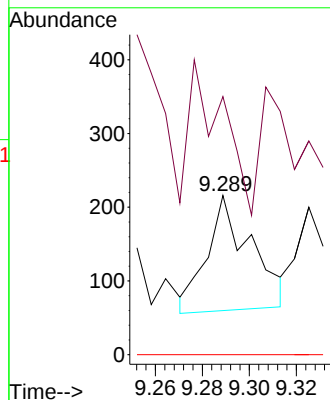
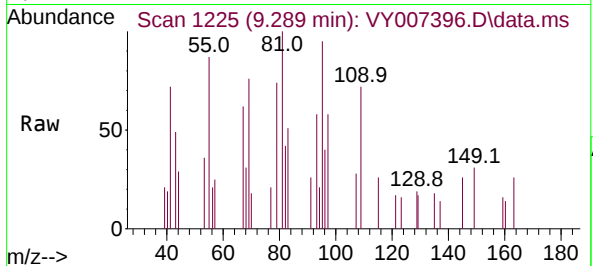




#46
Dibromomethane
Concen: 1.292 ug/l
RT: 9.289 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

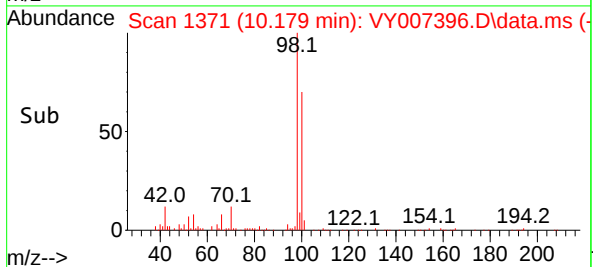
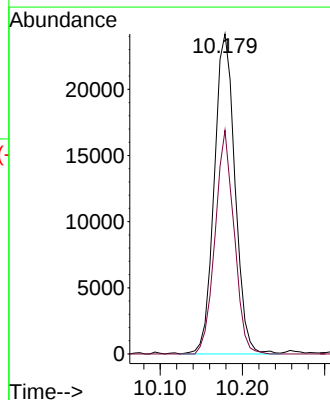
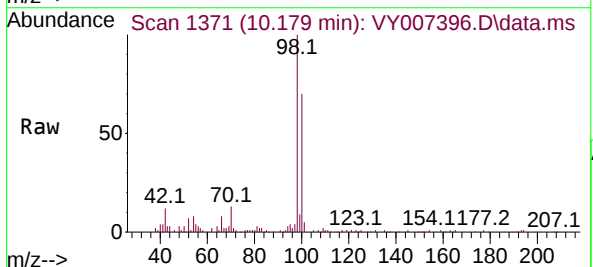
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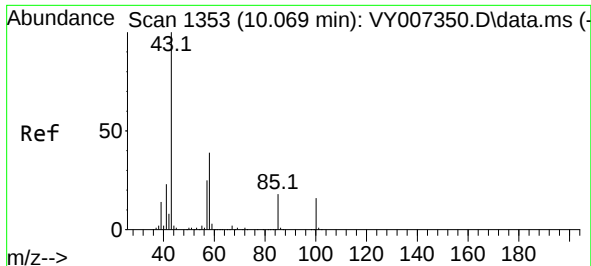
Tgt Ion: 93 Resp: 203
Ion Ratio Lower Upper
93 100
95 102.0 64.3 96.5#
174 0.0 83.4 125.0#



#50
Toluene-d8
Concen: 49.567 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

Tgt Ion: 98 Resp: 42314
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

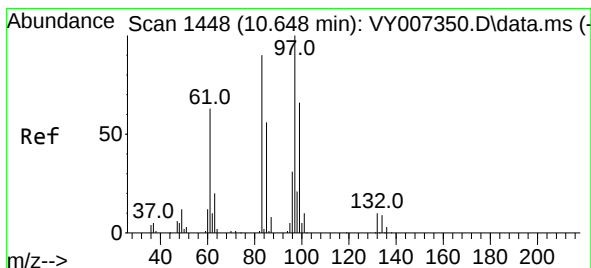
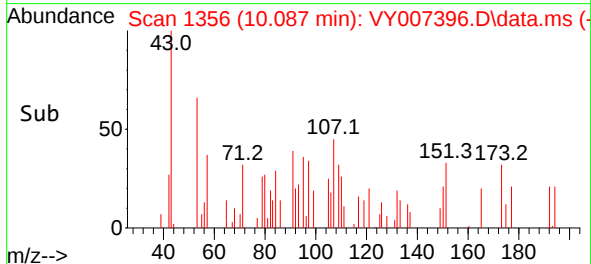
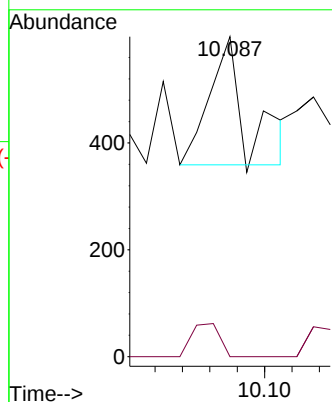
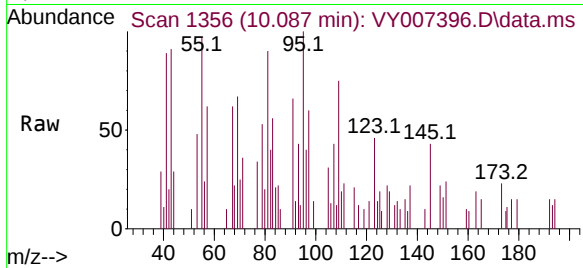




#51
4-Methyl-2-Pentanone
Concen: 1.197 ug/l
RT: 10.087 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

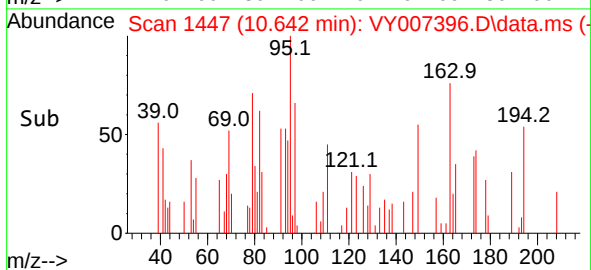
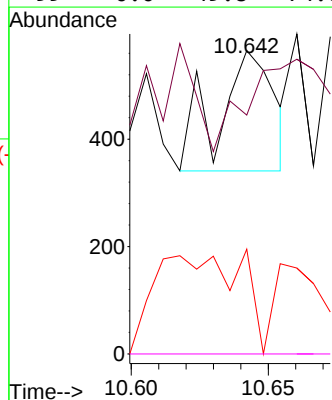
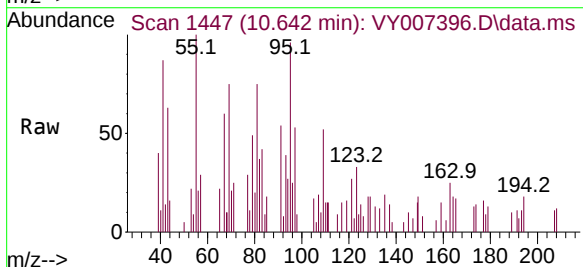
Instrument :
MSVOA_Y
ClientSampleId :
24801

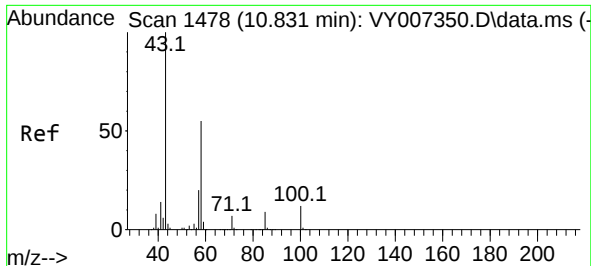
Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
58 19.3 28.1 42.1#



#55
1,1,2-Trichloroethane
Concen: 1.541 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

Tgt Ion: 97 Resp: 318
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 12.1 44.3 66.5#
99 0.0 49.8 74.6#

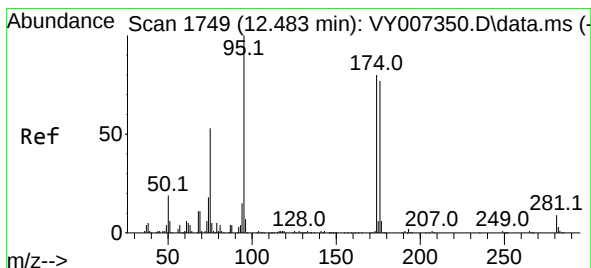
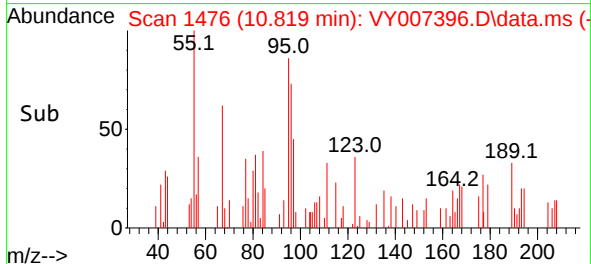
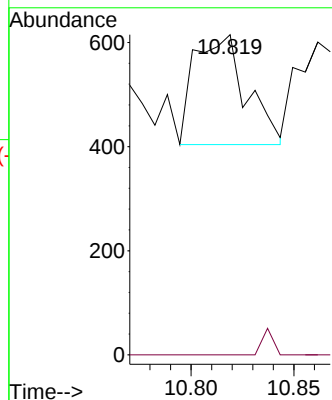
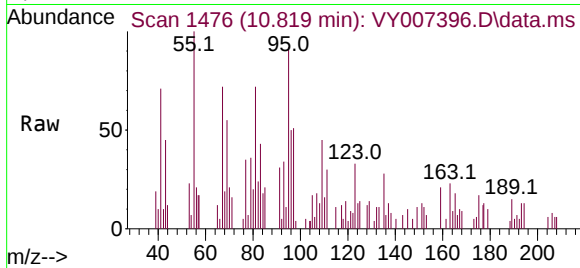




#59
2-Hexanone
Concen: 2.636 ug/l
RT: 10.819 min Scan# 1476
Delta R.T. -0.012 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

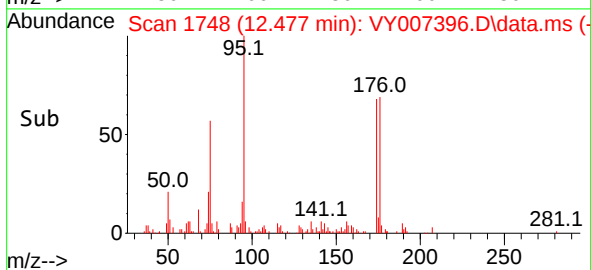
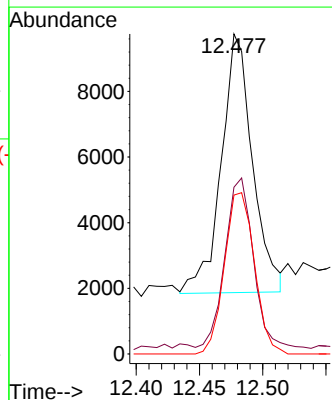
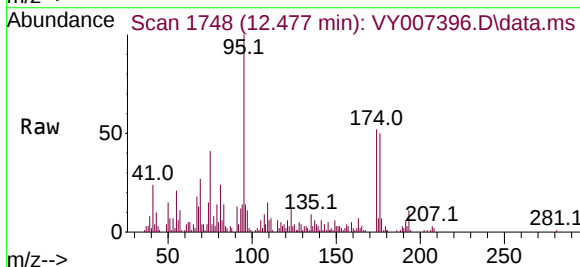
Instrument :
MSVOA_Y
ClientSampleId :
24801

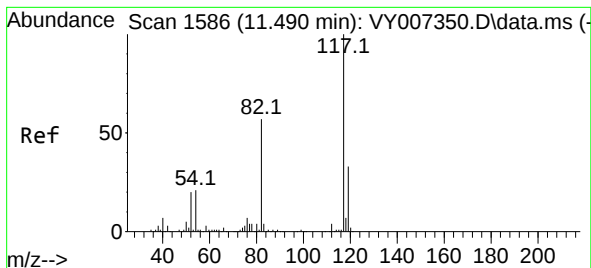
Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
58 5.2 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 46.813 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

Tgt Ion: 95 Resp: 13583
Ion Ratio Lower Upper
95 100
174 60.1 0.0 177.0
176 59.7 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

24801

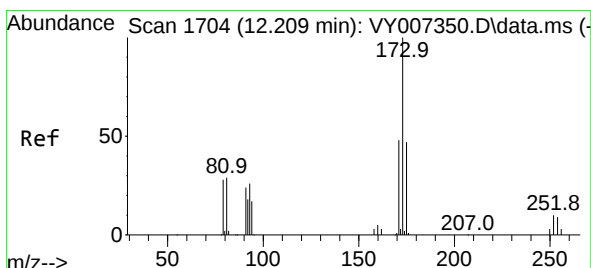
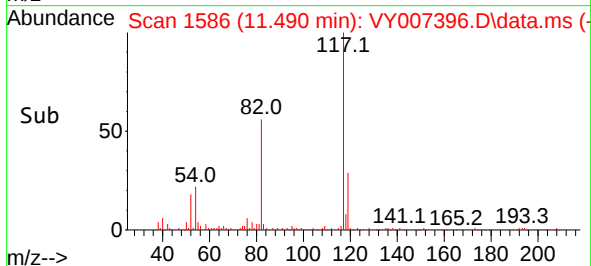
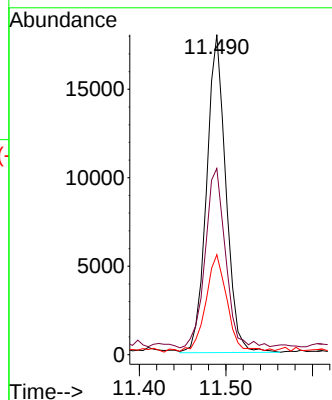
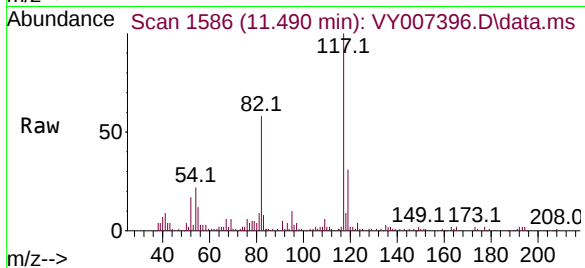
Tgt Ion:117 Resp: 27784

Ion Ratio Lower Upper

117 100

82 56.4 43.0 64.4

119 30.4 25.4 38.0



#71

Bromoform

Concen: 1.697 ug/l

RT: 12.209 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

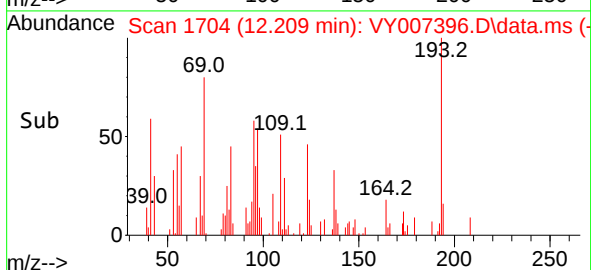
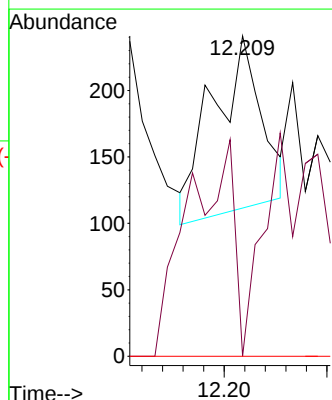
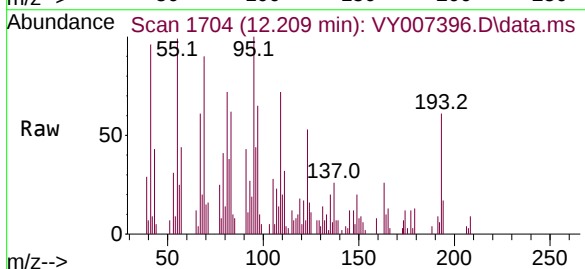
Tgt Ion:173 Resp: 216

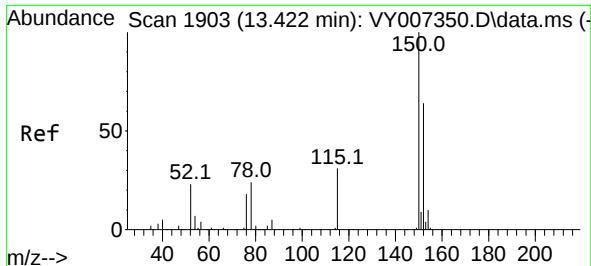
Ion Ratio Lower Upper

173 100

175 115.7 24.6 74.0#

254 0.0 0.0 0.0

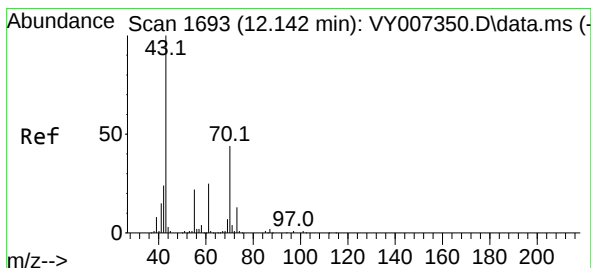
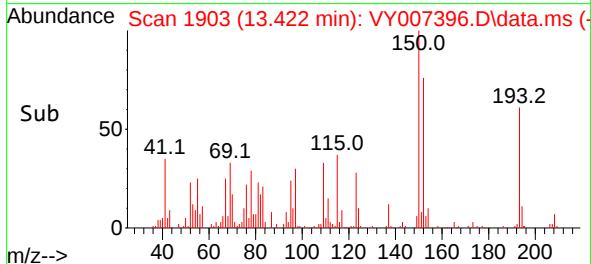
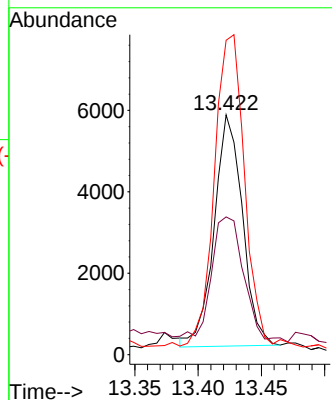
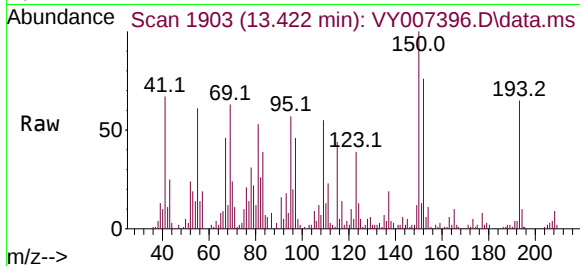




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

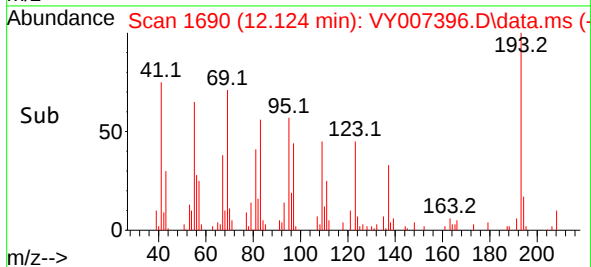
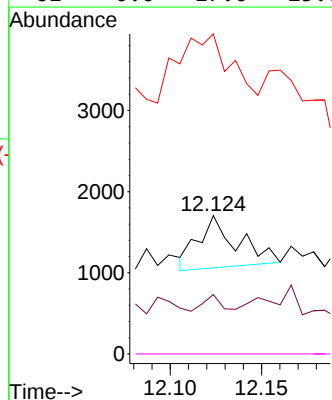
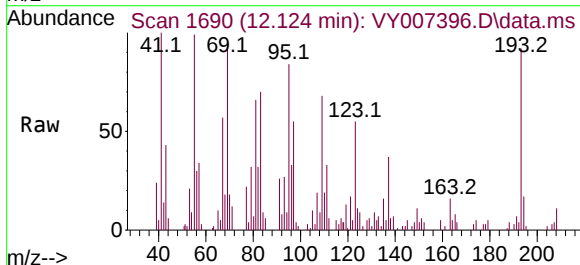
Instrument :
MSVOA_Y
ClientSampleId :
24801

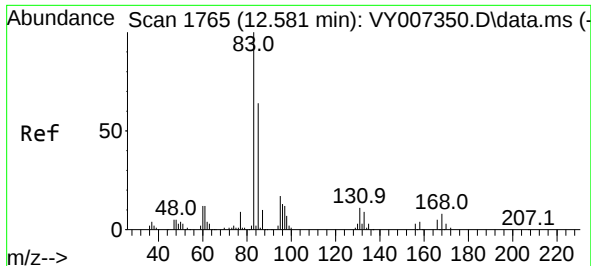
Tgt Ion:152 Resp: 8848
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 145.6 0.0 347.6



#74
N-ethyl acetate
Concen: 4.761 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
70 50.7 28.7 43.1#
55 1196.9 17.3 25.9#
61 0.0 17.0 25.6#

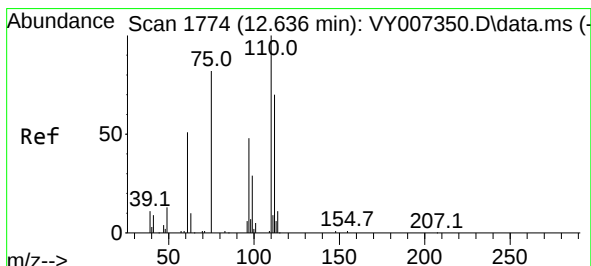
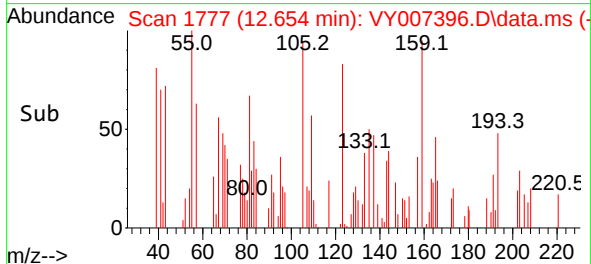
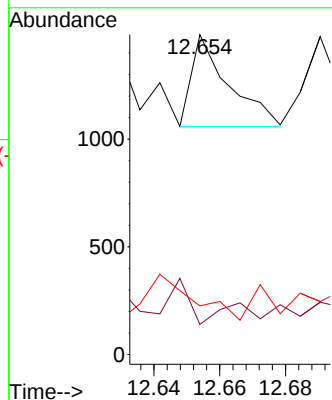
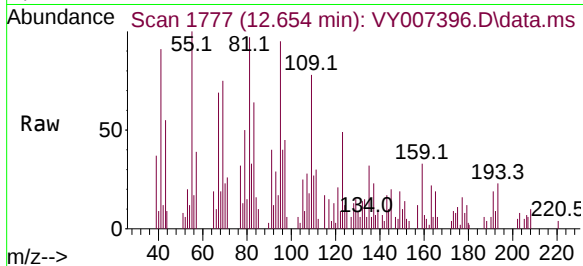




#75
1,1,2,2-Tetrachloroethane
Concen: 2.262 ug/l
RT: 12.654 min Scan# 1777
Delta R.T. 0.073 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

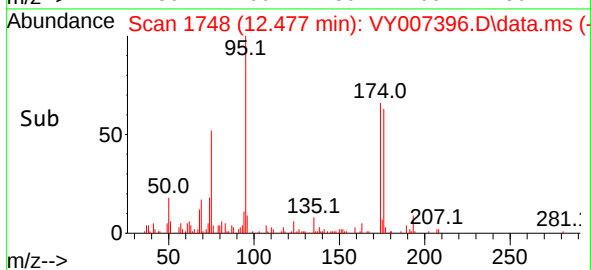
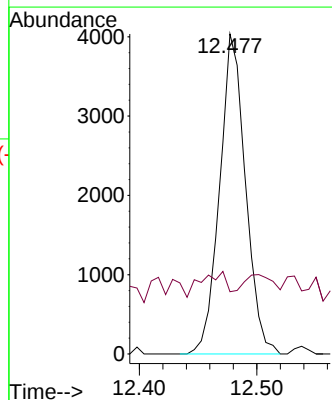
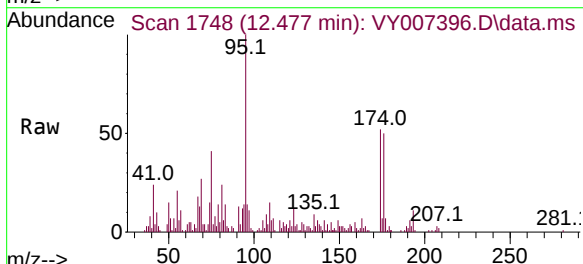
Instrument :
MSVOA_Y
ClientSampleId :
24801

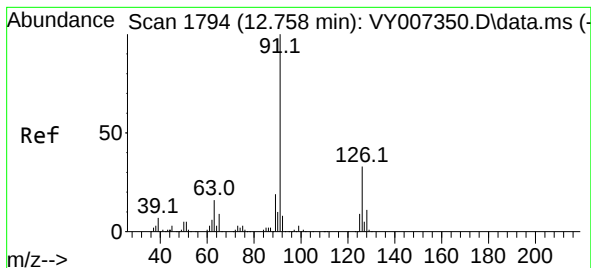
Tgt Ion: 83 Resp: 334
Ion Ratio Lower Upper
83 100
131 15.0 5.6 16.8
85 63.8 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 58.648 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY007396.D
Acq: 04 Feb 2022 15:50

Tgt Ion: 75 Resp: 6169
Ion Ratio Lower Upper
75 100
77 8.6 0.0 0.0#





#79

2-Chlorotoluene

Concen: 1.040 ug/l

RT: 12.733 min Scan# 1

Delta R.T. -0.024 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

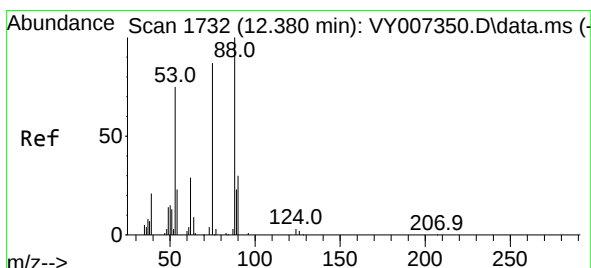
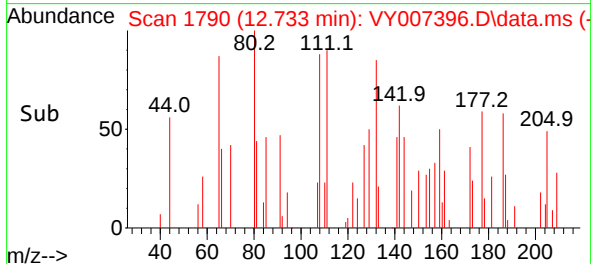
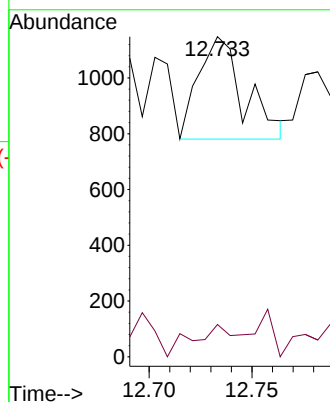
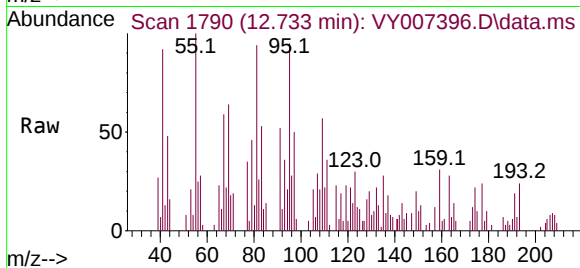
24801

Tgt Ion: 91 Resp: 564

Ion Ratio Lower Upper

91 100

126 25.5 16.9 50.6



#81

trans-1,4-Dichloro-2-butene

Concen: 117.497 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

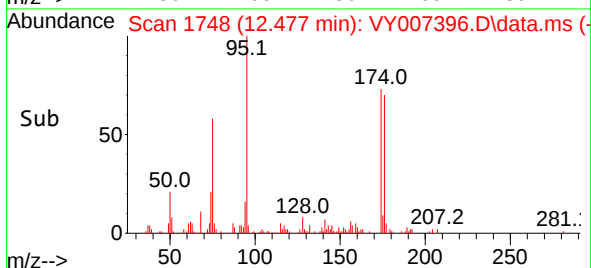
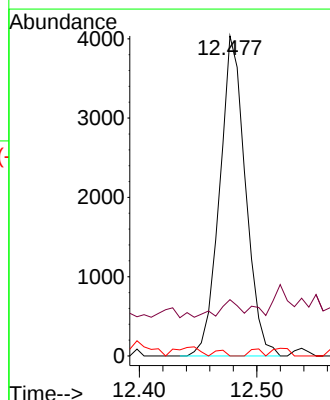
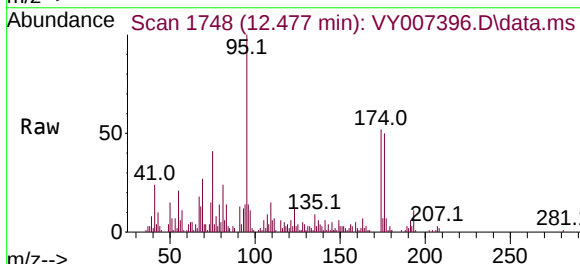
Tgt Ion: 75 Resp: 6169

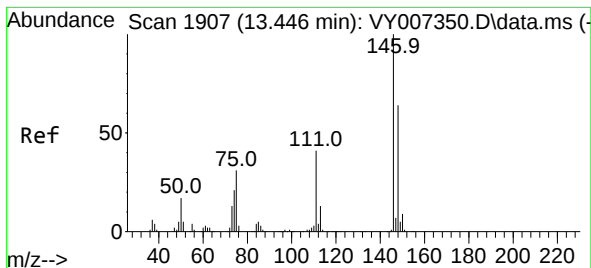
Ion Ratio Lower Upper

75 100

53 2.4 85.3 127.9#

89 0.8 37.0 55.4#





#88

1,4-Dichlorobenzene

Concen: 1.045 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.012 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

24801

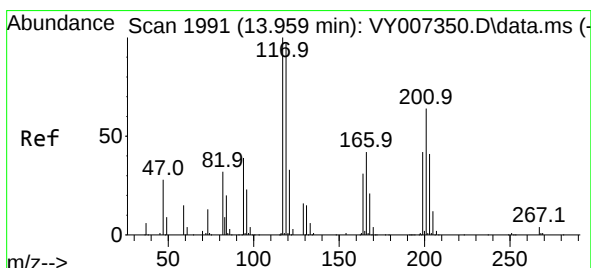
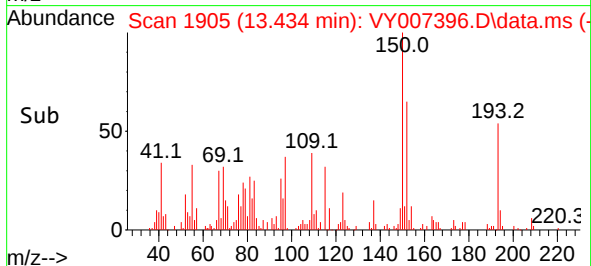
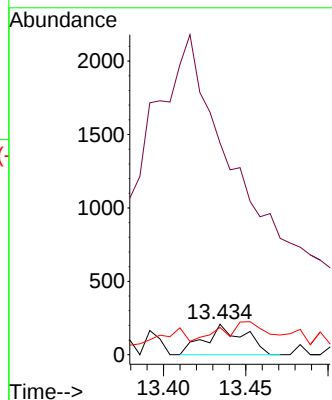
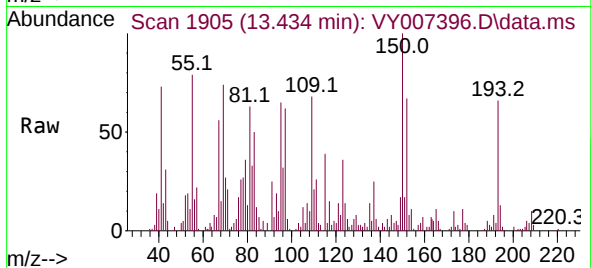
Tgt Ion:146 Resp: 344

Ion Ratio Lower Upper

146 100

111 0.0 19.3 57.8#

148 42.2 32.6 97.8



#90

Hexachloroethane

Concen: 1.765 ug/l

RT: 14.032 min Scan# 2003

Delta R.T. 0.073 min

Lab File: VY007396.D

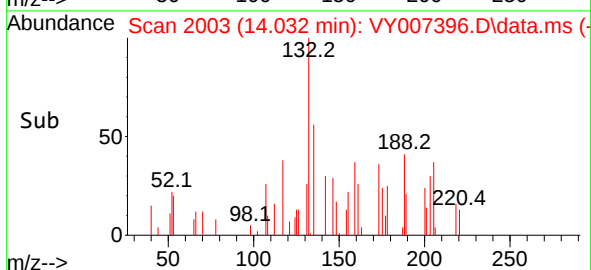
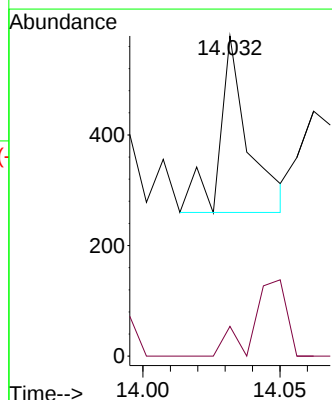
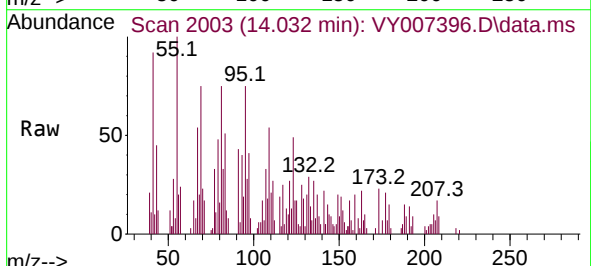
Acq: 04 Feb 2022 15:50

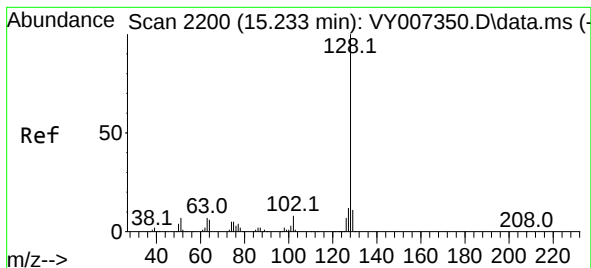
Tgt Ion:117 Resp: 234

Ion Ratio Lower Upper

117 100

201 50.0 43.0 128.8





#95

Naphthalene

Concen: 1.275 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

24801

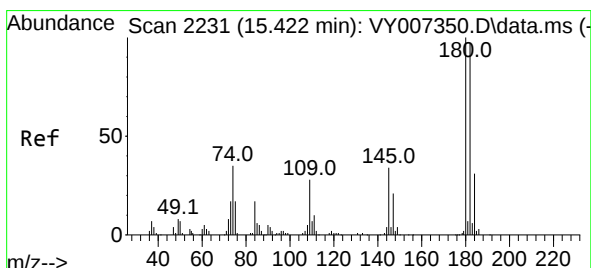
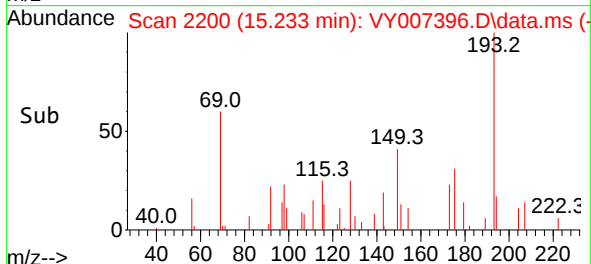
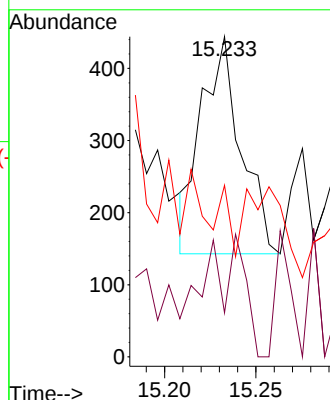
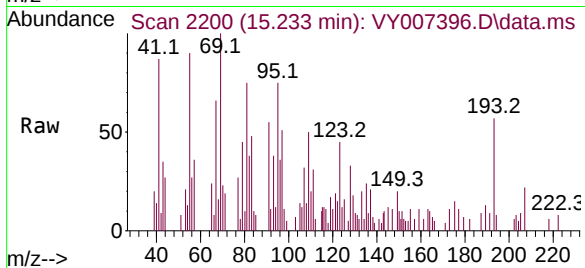
Tgt Ion:128 Resp: 456

Ion Ratio Lower Upper

128 100

127 27.6 11.0 16.4#

129 0.0 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 2.319 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY007396.D

Acq: 04 Feb 2022 15:50

Tgt Ion:180 Resp: 337

Ion Ratio Lower Upper

180 100

182 5.9 47.3 141.9#

145 124.9 15.3 45.9#

