

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019869.D
 Acq On : 11 Oct 2024 14:14
 Operator : SY/MD
 Sample : P4377-01
 Misc : 5.4g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 01:47:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

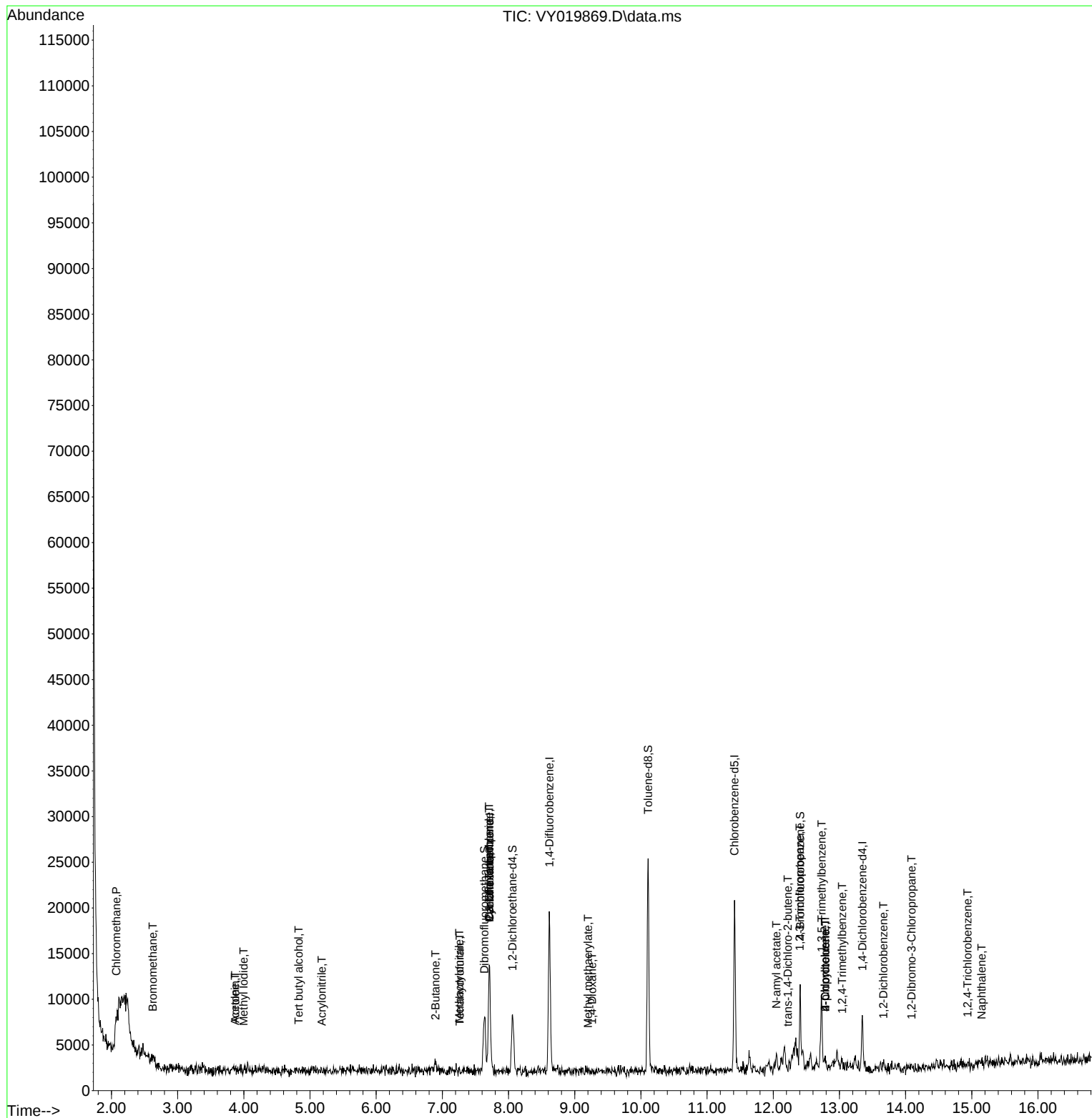
Internal Standards						
1) Pentafluorobenzene	7.713	168	7323	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	14190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	8881	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	1549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4781	53.023	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.040%	
35) Dibromofluoromethane	7.634	113	4382	46.797	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.600%	
50) Toluene-d8	10.109	98	15251	44.104	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.200%	
62) 4-Bromofluorobenzene	12.408	95	2641	21.137	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 42.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	220	2.480	ug/l	# 43
5) Bromomethane	2.623	94	197	3.188	ug/l	92
10) Methyl Iodide	3.995	142	203	2.375	ug/l	# 85
11) Tert butyl alcohol	4.830	59	35	4.143	ug/l	# 1
13) Acrolein	3.873	56	24	3.622	ug/l	# 15
15) Acrylonitrile	5.177	53	21	1.040	ug/l	# 18
16) Acetone	3.867	43	205	8.734	ug/l	# 36
20) Methylene Chloride	4.604	84	26	Below Cal	#	20
25) 2-Butanone	6.896	43	50	1.591	ug/l	# 41
29) Tetrahydrofuran	7.262	42	27	1.505	ug/l	# 26
31) Cyclohexane	7.713	56	355	2.356	ug/l	# 70
36) 1,1-Dichloropropene	7.707	75	812	6.019	ug/l	# 40
38) Carbon Tetrachloride	7.707	117	1239	8.567	ug/l	# 13
41) Methacrylonitrile	7.256	41	50	1.313	ug/l	# 15
48) Methyl methacrylate	9.201	41	150	2.377	ug/l	# 49
49) 1,4-Dioxane	9.262	88	22	35.207	ug/l	# 20
74) N-amyl acetate	12.048	43	628	18.198	ug/l	# 48
76) 1,2,3-Trichloropropane	12.402	75	1586	52.266	ug/l	# 100
78) n-propylbenzene	12.786	91	176	1.118	ug/l	# 53
79) 2-Chlorotoluene	12.786	91	176	1.950	ug/l	# 39
80) 1,3,5-Trimethylbenzene	12.731	105	437	4.153	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.219	75	55	7.316	ug/l	# 16
82) 4-Chlorotoluene	12.786	91	176	1.907	ug/l	# 39
84) 1,2,4-Trimethylbenzene	13.042	105	570	5.464	ug/l	96
91) 1,2-Dichlorobenzene	13.664	146	82	1.671	ug/l	# 25
92) 1,2-Dibromo-3-Chloropr...	14.090	75	19	5.142	ug/l	# 1
93) 1,2,4-Trichlorobenzene	14.938	180	73	2.654	ug/l	# 35
95) Naphthalene	15.151	128	114	2.197	ug/l	# 69

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
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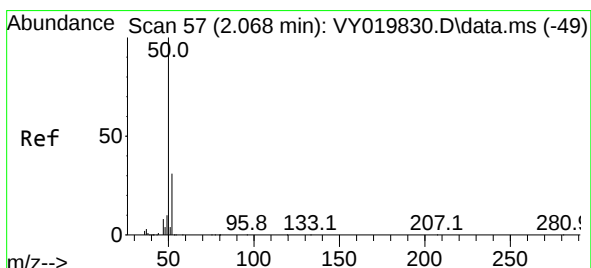
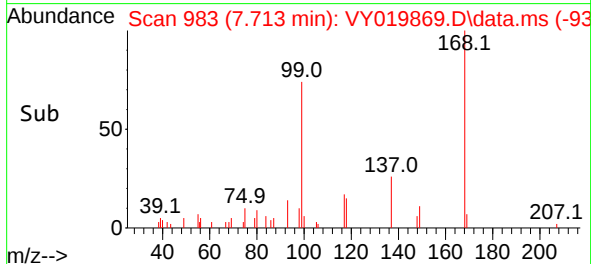
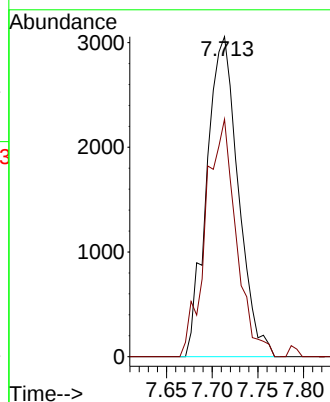
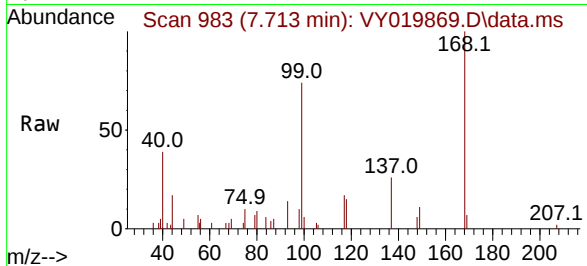




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

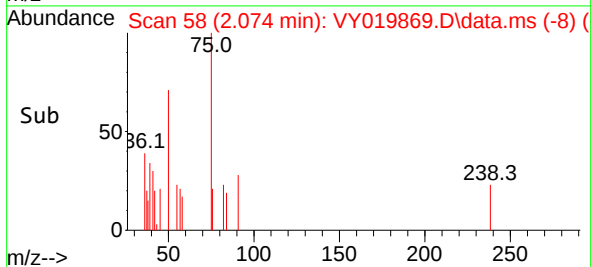
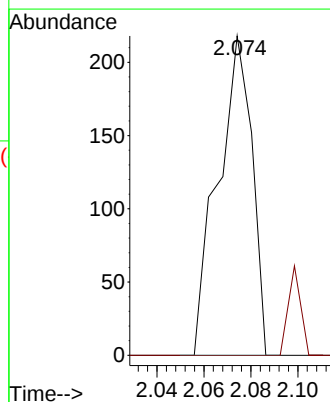
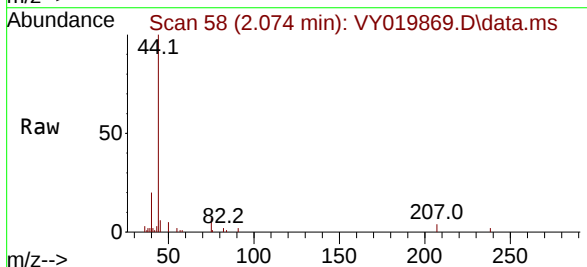
Instrument :
MSVOA_Y
ClientSampleId :

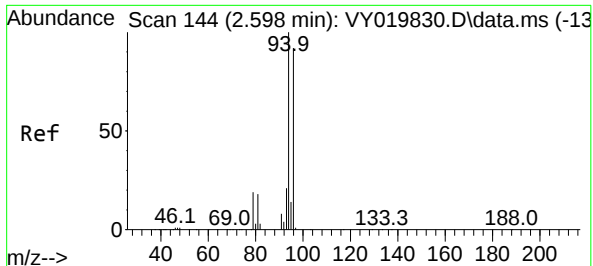
Tgt Ion:168 Resp: 7323
Ion Ratio Lower Upper
168 100
99 74.2 39.1 58.7#



#3
Chloromethane
Concen: 2.480 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Tgt Ion: 50 Resp: 220
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

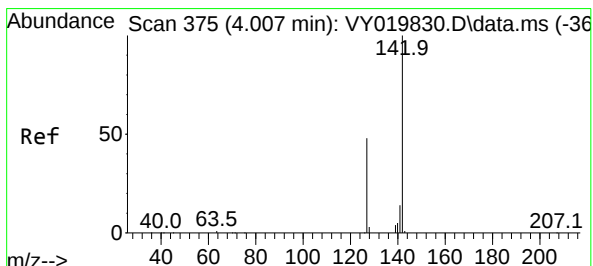
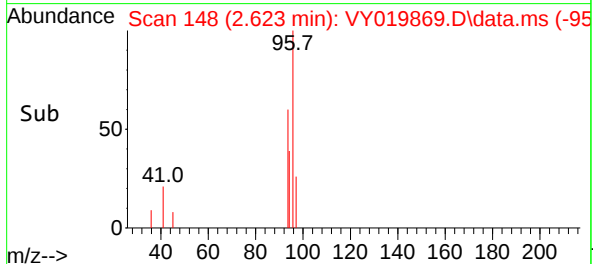
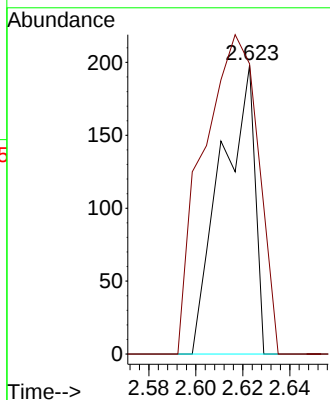
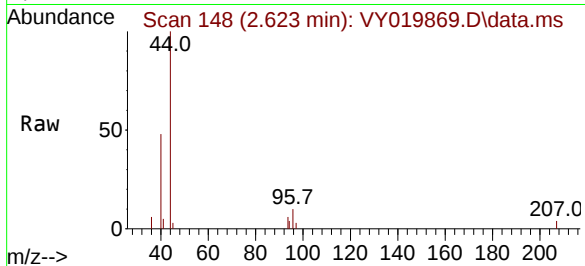




#5
Bromomethane
Concen: 3.188 ug/l
RT: 2.623 min Scan# 144
Delta R.T. 0.025 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

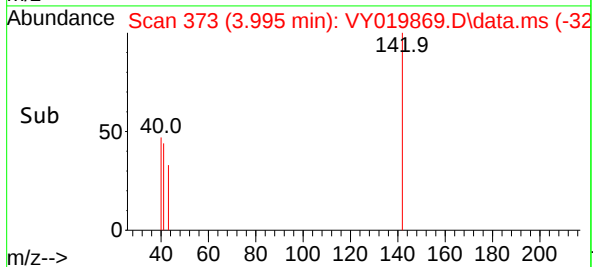
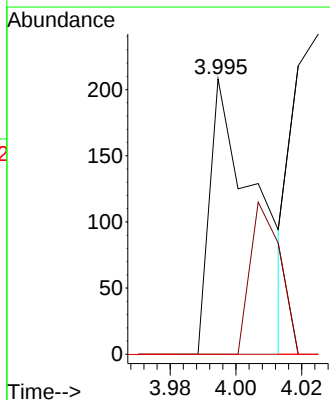
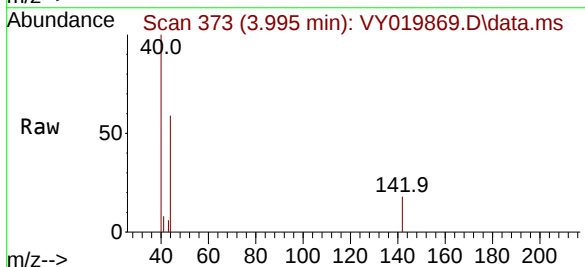
Instrument :
MSVOA_Y
ClientSampleId :

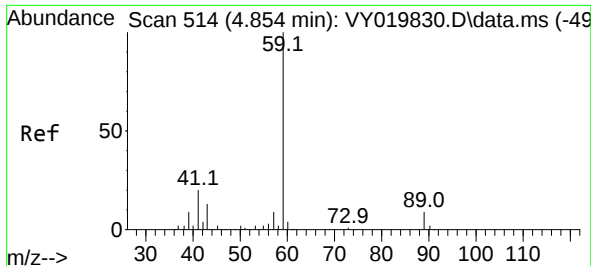
Tgt Ion: 94 Resp: 197
Ion Ratio Lower Upper
94 100
96 100.5 74.1 111.1



#10
Methyl Iodide
Concen: 2.375 ug/l
RT: 3.995 min Scan# 373
Delta R.T. -0.012 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Tgt Ion: 142 Resp: 203
Ion Ratio Lower Upper
142 100
127 36.0 32.8 49.2
141 0.0 11.4 17.2#

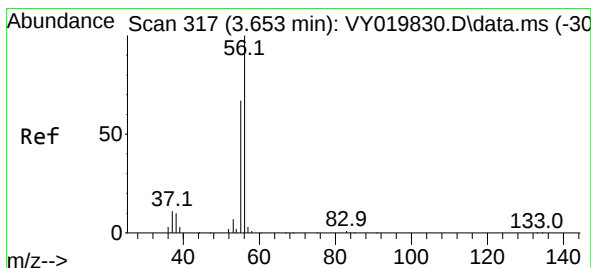
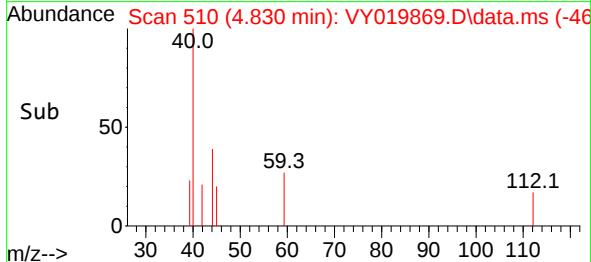
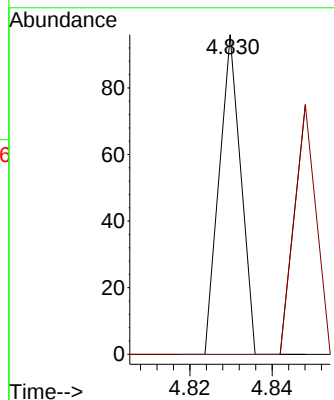
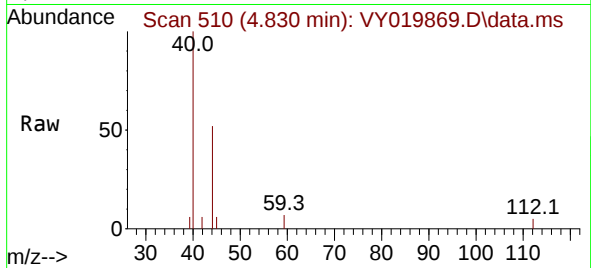




#11
Tert butyl alcohol
Concen: 4.143 ug/l
RT: 4.830 min Scan# 51
Delta R.T. -0.030 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

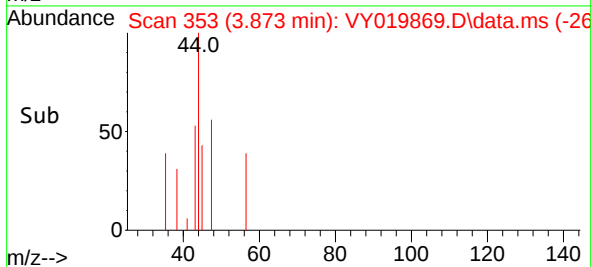
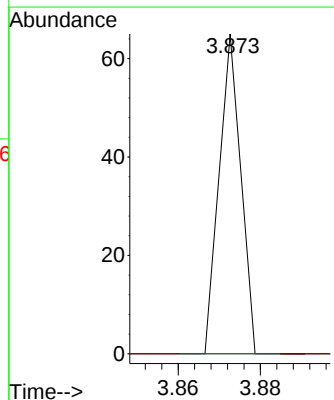
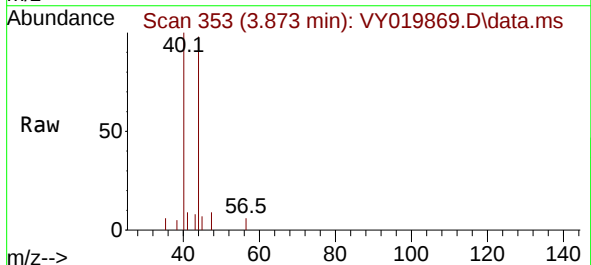
Instrument :
MSVOA_Y
ClientSampleId :

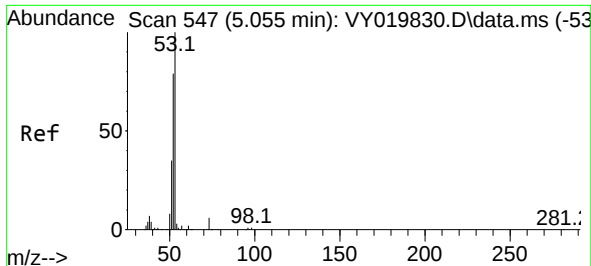
Tgt Ion: 59 Resp: 35
Ion Ratio Lower Upper
59 100
57 77.1 3.0 4.6#



#13
Acrolein
Concen: 3.622 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.220 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#

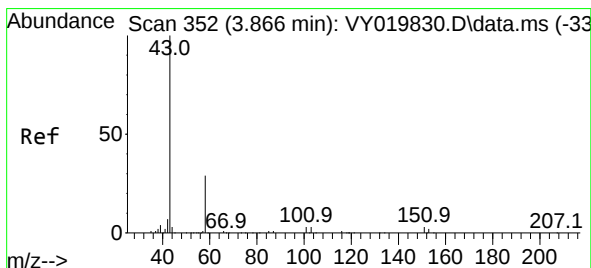
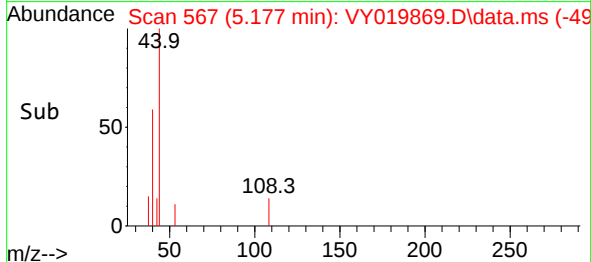
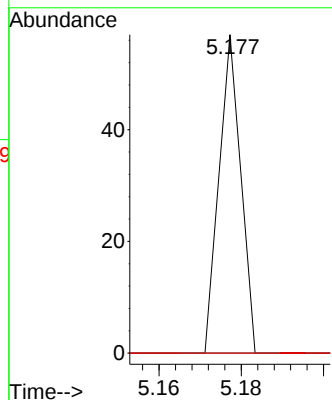
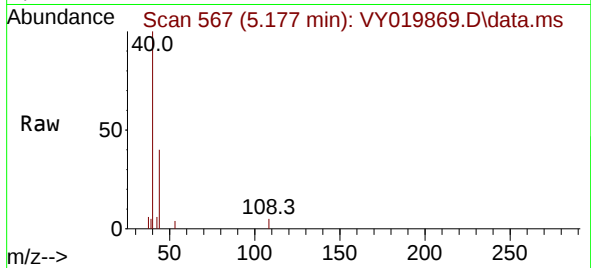




#15
Acrylonitrile
Concen: 1.040 ug/l
RT: 5.177 min Scan# 50
Delta R.T. 0.122 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

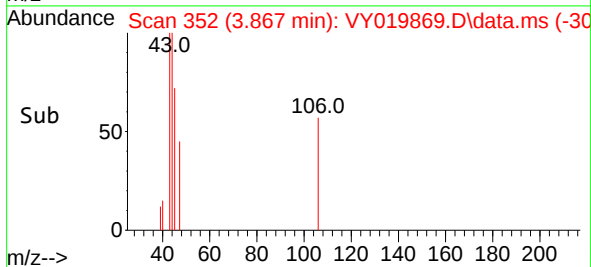
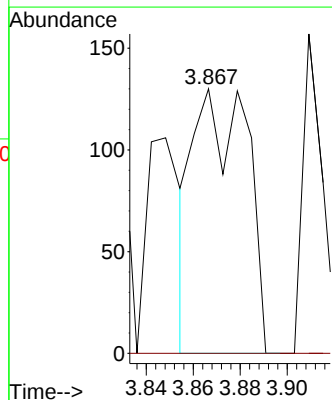
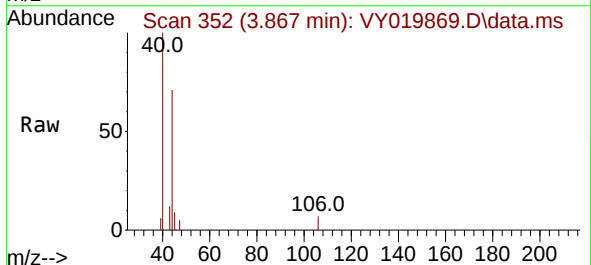
Instrument :
MSVOA_Y
ClientSampleId :

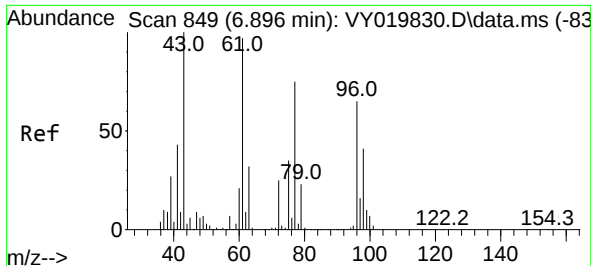
Tgt Ion: 53 Resp: 21
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 8.734 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

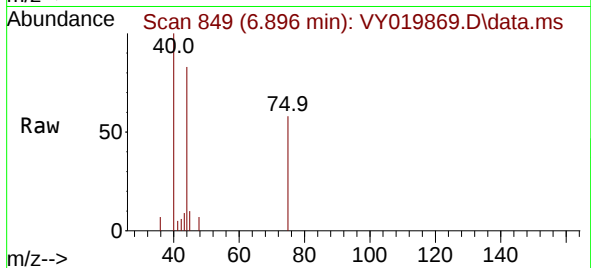
Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



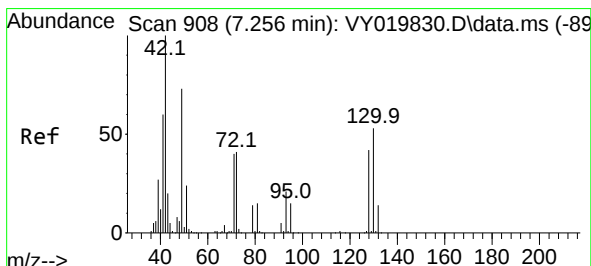
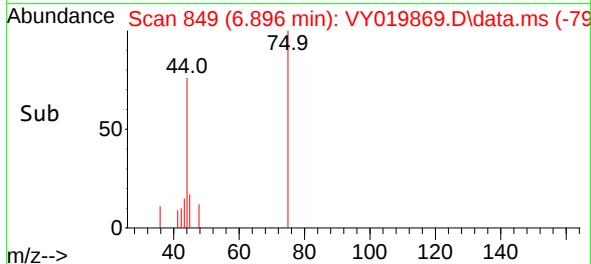
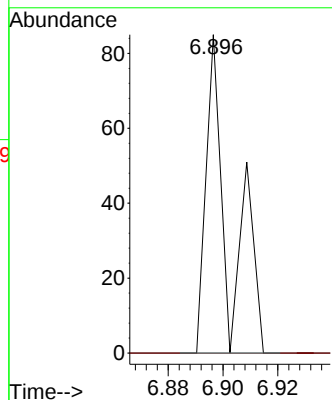


#25
2-Butanone
Concen: 1.591 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Instrument :
MSVOA_Y
ClientSampleId :

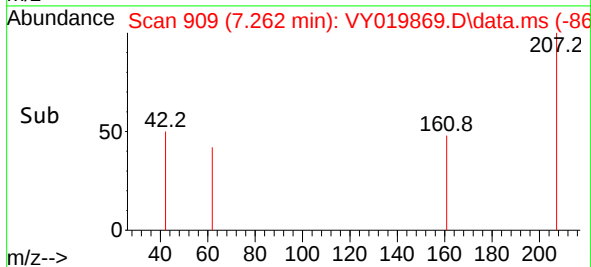
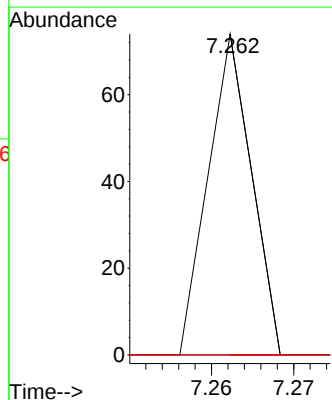
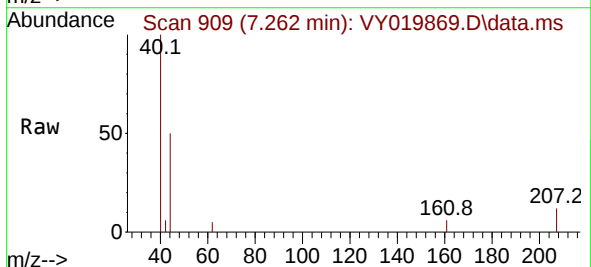


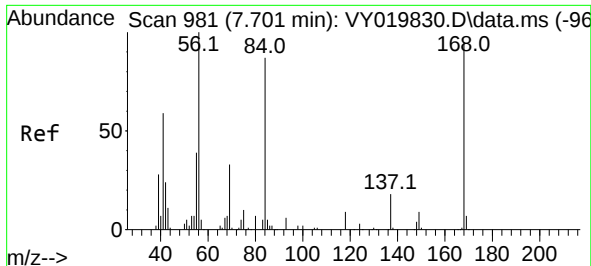
Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 1.505 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Tgt Ion: 42 Resp: 27
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#

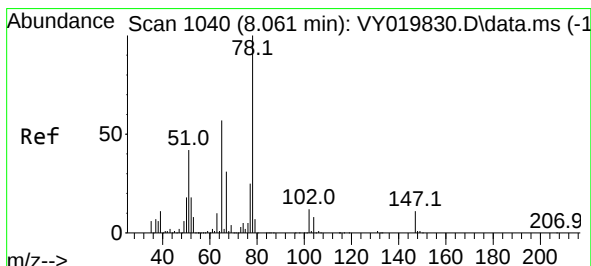
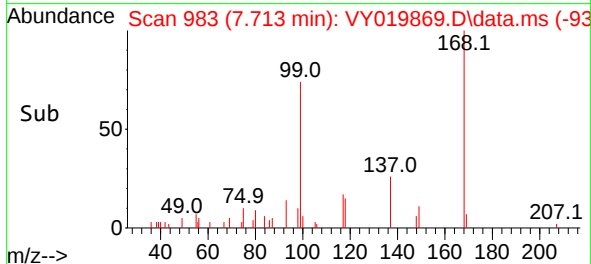
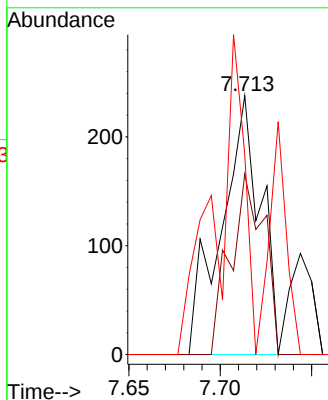
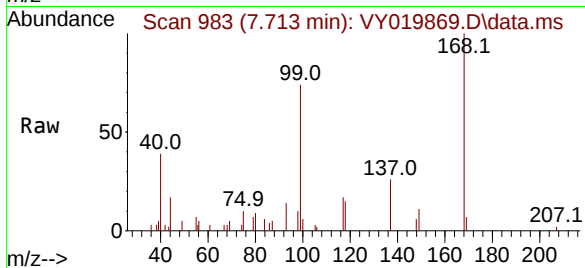




#31
Cyclohexane
Concen: 2.356 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.013 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

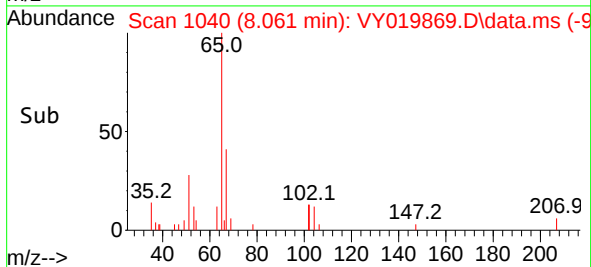
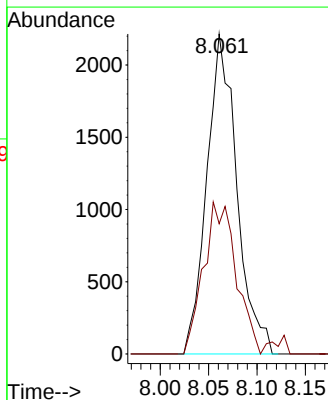
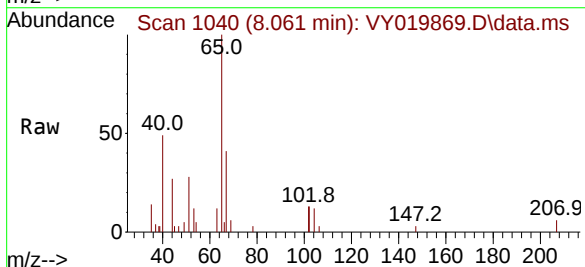
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ClientSampleId :

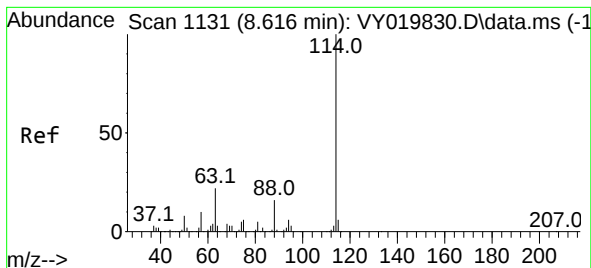
Tgt Ion: 56 Resp: 355
Ion Ratio Lower Upper
56 100
69 69.7 28.7 43.1#
84 77.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 53.023 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Tgt Ion: 65 Resp: 4781
Ion Ratio Lower Upper
65 100
67 51.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019869.D

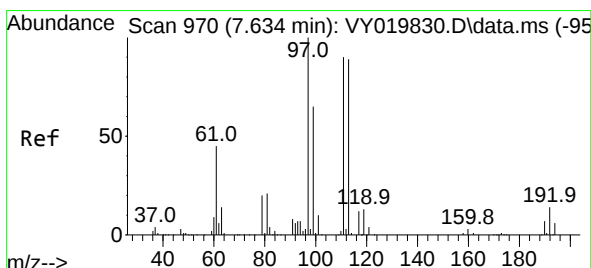
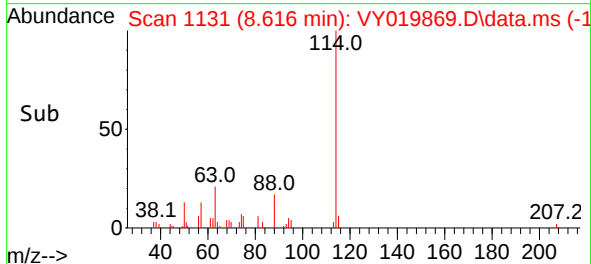
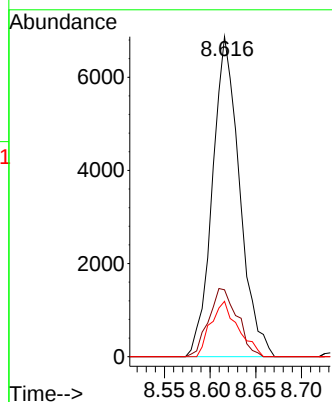
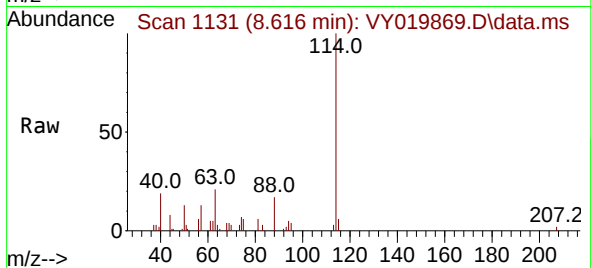
Acq: 11 Oct 2024 14:14

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	14190
Ion	Ratio	Lower Upper
114	100	
63	20.9	0.0 35.0
88	17.3	0.0 27.2



#35

Dibromofluoromethane

Concen: 46.797 ug/l

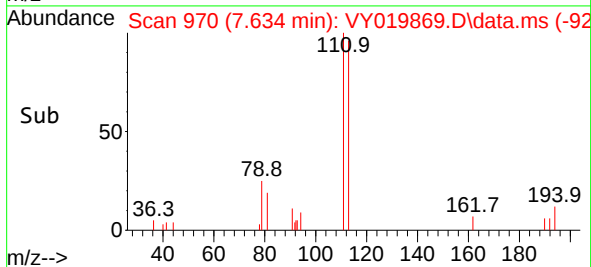
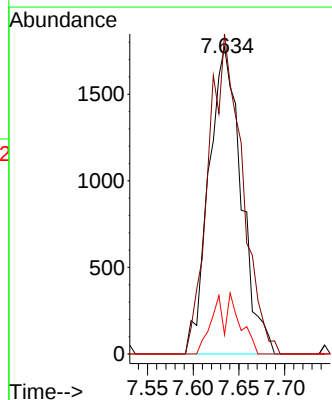
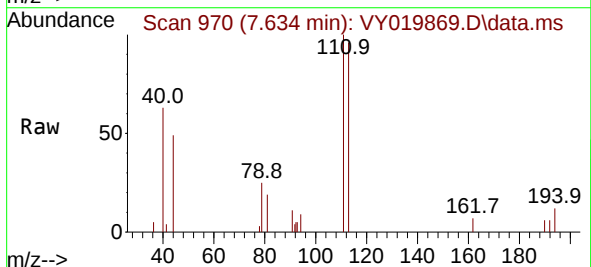
RT: 7.634 min Scan# 970

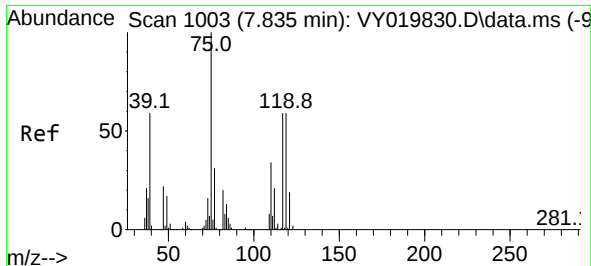
Delta R.T. 0.000 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

Tgt Ion:113	Resp:	4382
Ion	Ratio	Lower Upper
113	100	
111	108.3	82.2 123.4
192	7.4	15.9 23.9#





#36

1,1-Dichloropropene

Concen: 6.019 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

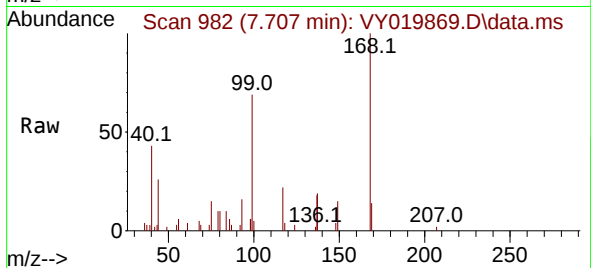
Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

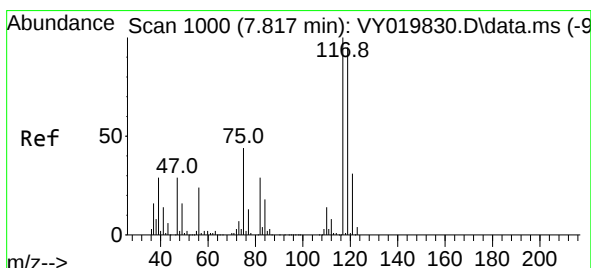
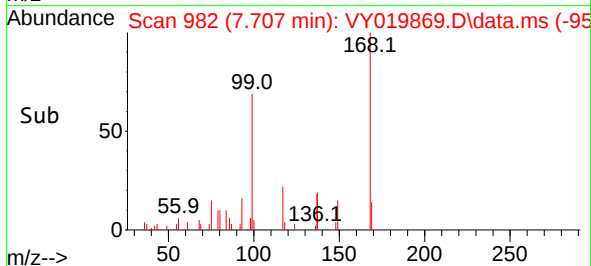
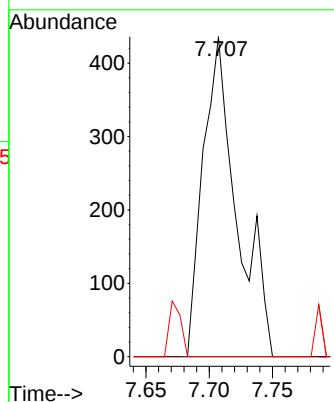
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 812
Ion Ratio	Lower Upper
75	100
110	0.0 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 8.567 ug/l

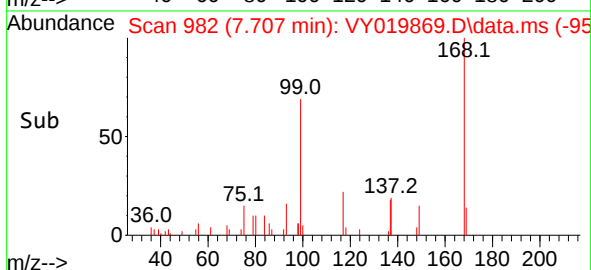
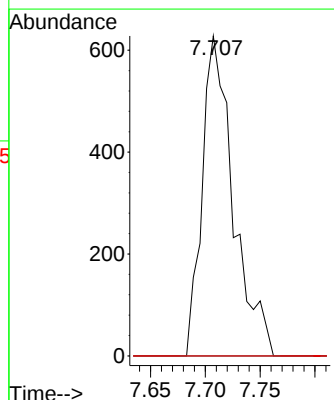
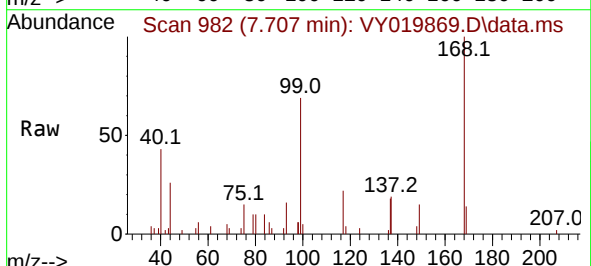
RT: 7.707 min Scan# 982

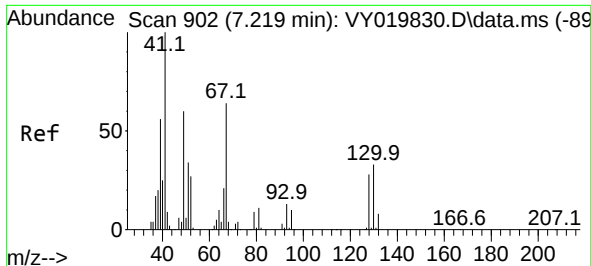
Delta R.T. -0.109 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

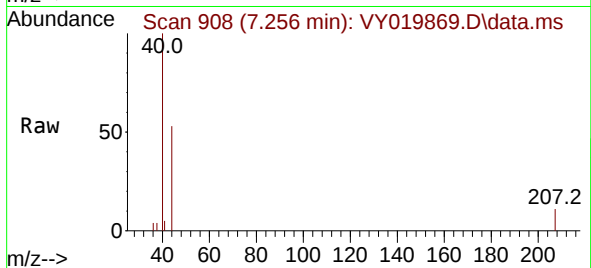
Tgt Ion: 117	Resp: 1239
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 24.0 36.0#



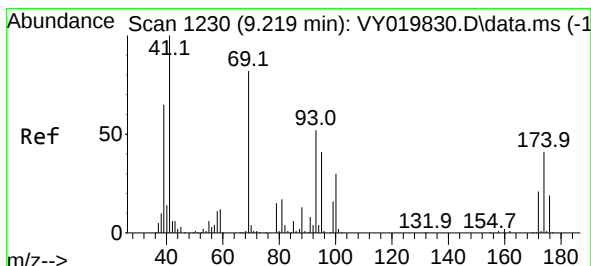
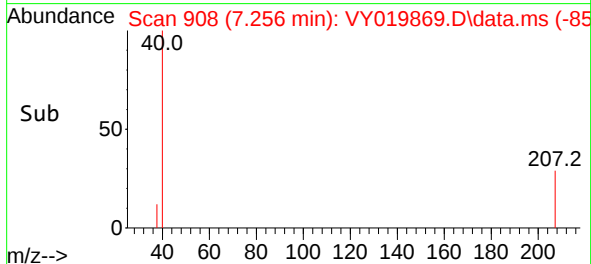
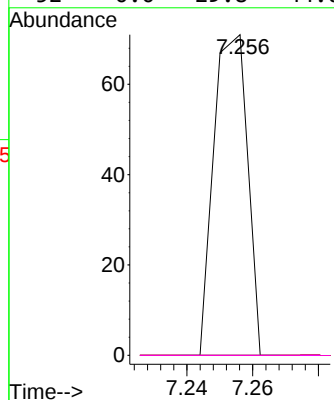


#41
Methacrylonitrile
Concen: 1.313 ug/l
RT: 7.256 min Scan# 90
Delta R.T. 0.037 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Instrument :
MSVOA_Y
ClientSampleId :

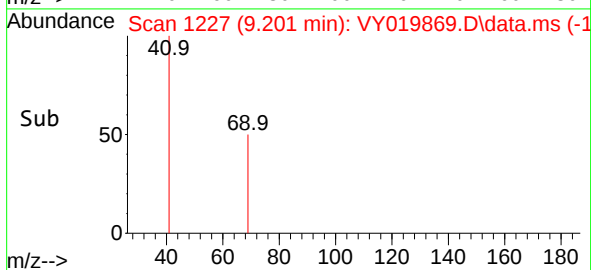
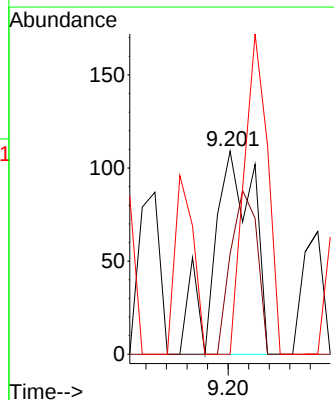
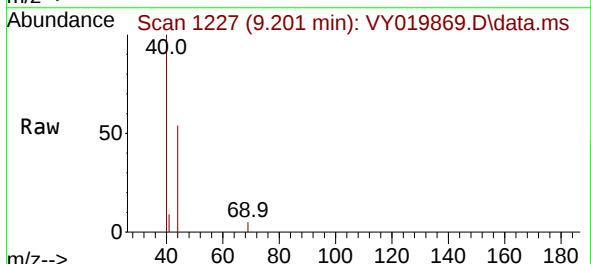


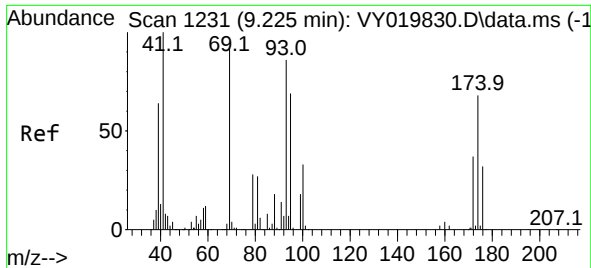
Tgt Ion:	41	Resp:	50
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#48
Methyl methacrylate
Concen: 2.377 ug/l
RT: 9.201 min Scan# 1227
Delta R.T. -0.018 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Tgt Ion:	41	Resp:	150
Ion	Ratio	Lower	Upper
41	100		
69	52.7	84.1	126.1#
39	90.7	43.6	65.4#





#49

1,4-Dioxane

Concen: 35.207 ug/l

RT: 9.262 min Scan# 1

Delta R.T. 0.031 min

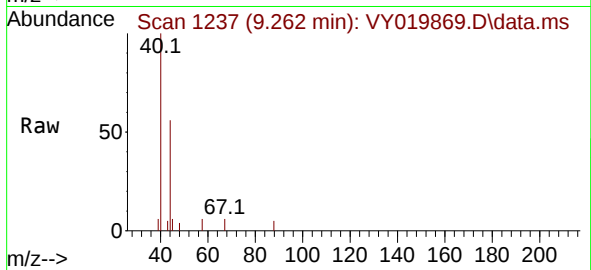
Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

Instrument :

MSVOA_Y

ClientSampleId :



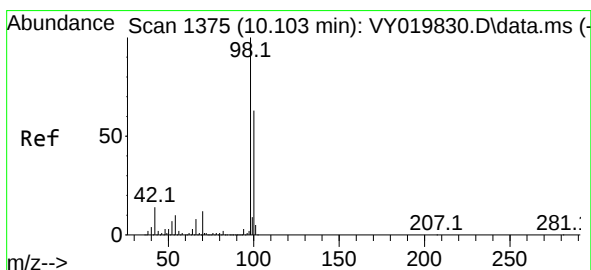
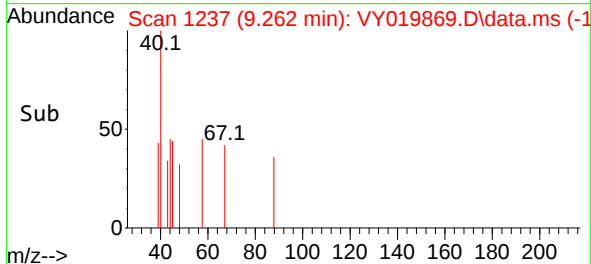
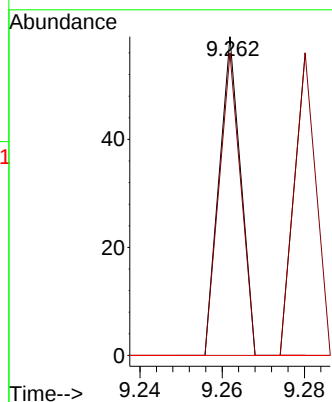
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 90.9 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 44.104 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019869.D

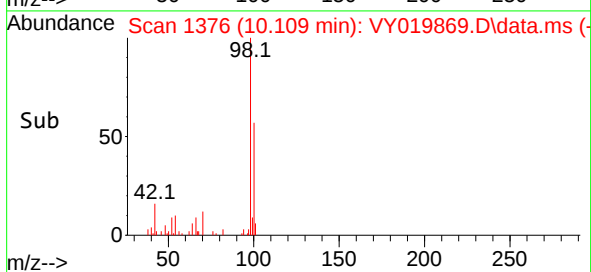
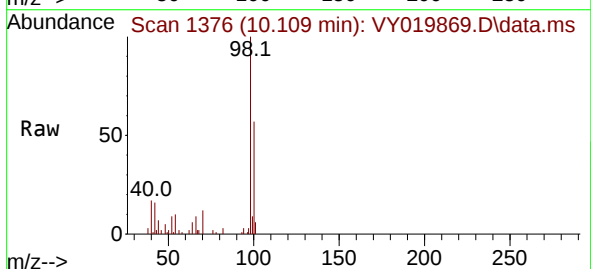
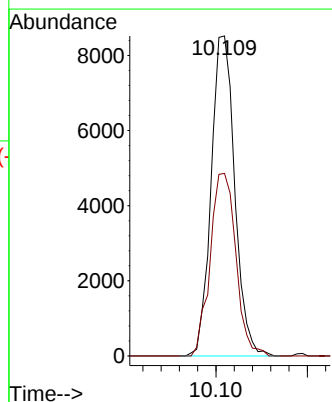
Acq: 11 Oct 2024 14:14

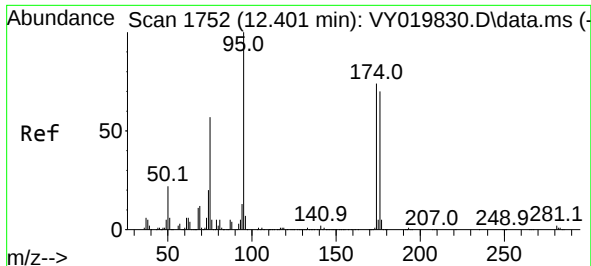
Tgt Ion: 98 Resp: 15251

Ion Ratio Lower Upper

98 100

100 62.2 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 21.137 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

Instrument :

MSVOA_Y

ClientSampleId :

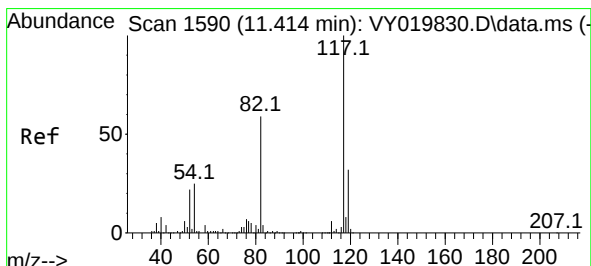
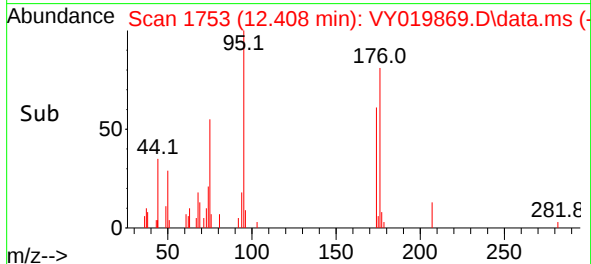
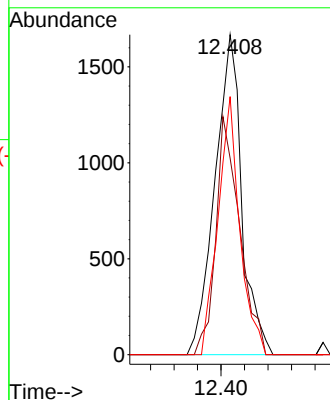
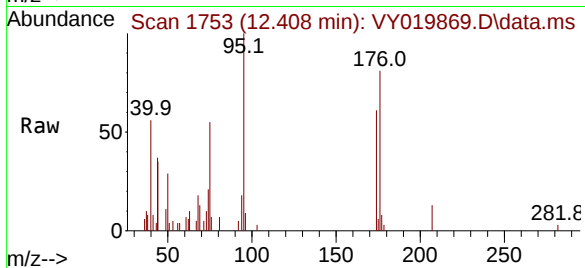
Tgt Ion: 95 Resp: 2641

Ion Ratio Lower Upper

95 100

174 66.5 0.0 175.6

176 65.6 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

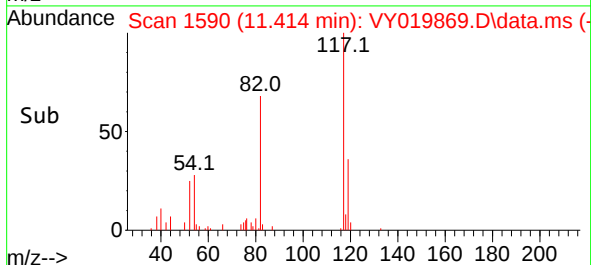
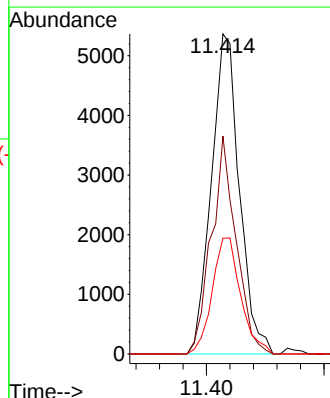
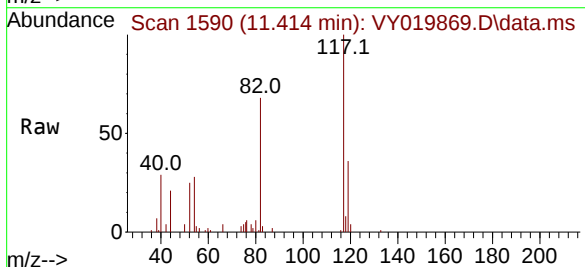
Tgt Ion: 117 Resp: 8881

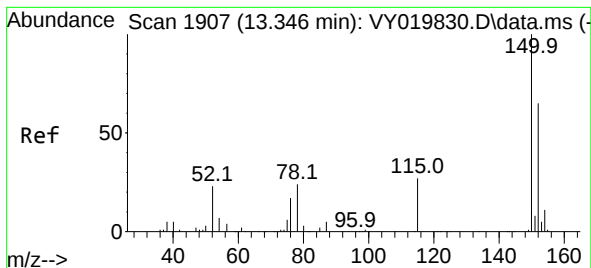
Ion Ratio Lower Upper

117 100

82 68.1 42.4 63.6#

119 36.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

Instrument :

MSVOA_Y

ClientSampleId :

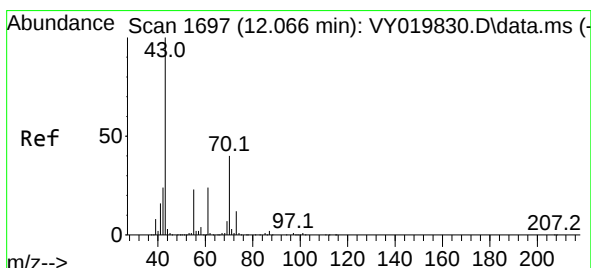
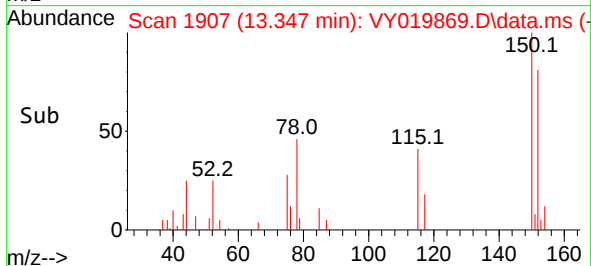
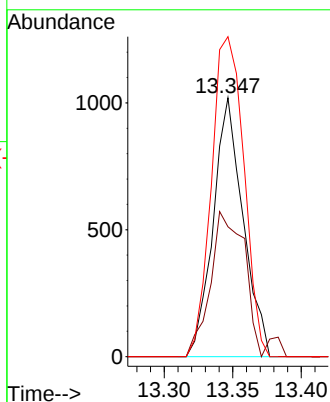
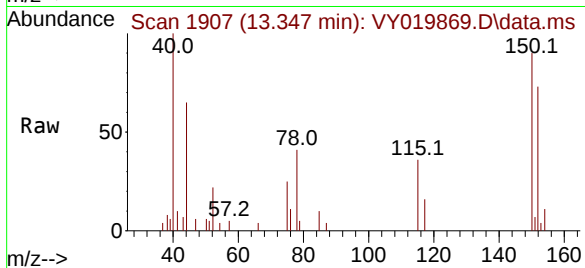
Tgt Ion:152 Resp: 1549

Ion Ratio Lower Upper

152 100

115 66.8 28.2 84.7

150 134.4 0.0 345.6



#74

N-ethyl acetate

Concen: 18.198 ug/l

RT: 12.048 min Scan# 1694

Delta R.T. -0.024 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

Tgt Ion: 43 Resp: 628

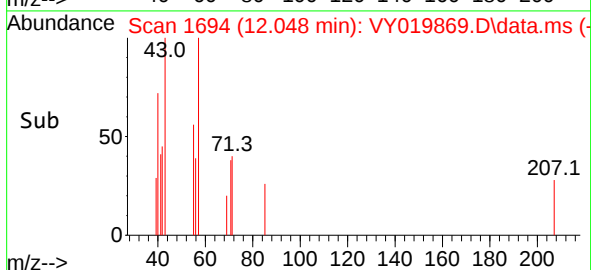
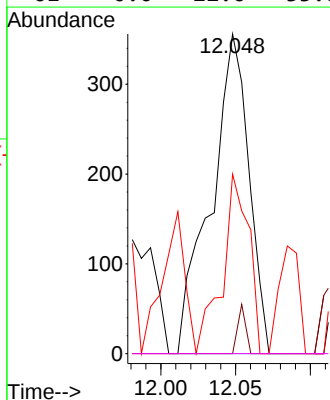
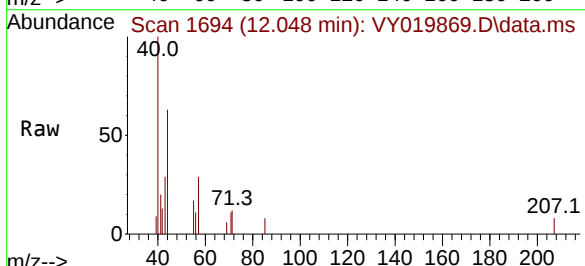
Ion Ratio Lower Upper

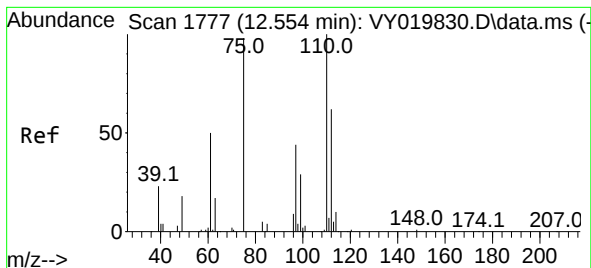
43 100

70 3.2 41.4 62.2#

55 39.2 23.3 34.9#

61 0.0 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 52.266 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.158 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

Instrument :

MSVOA_Y

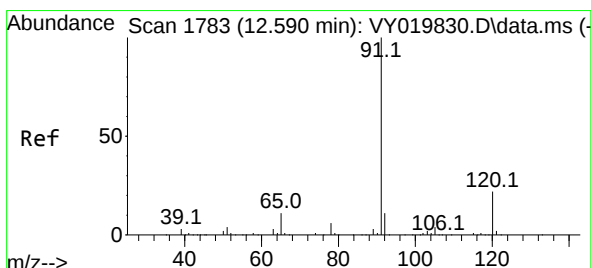
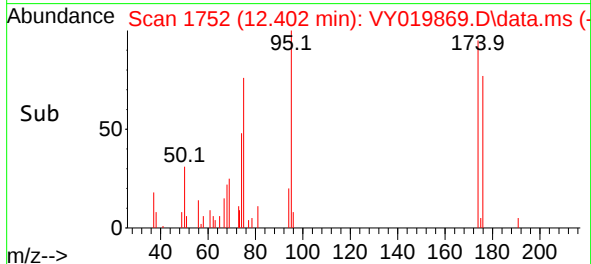
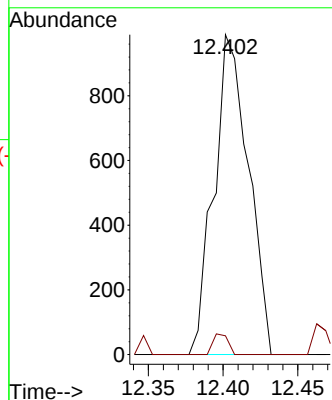
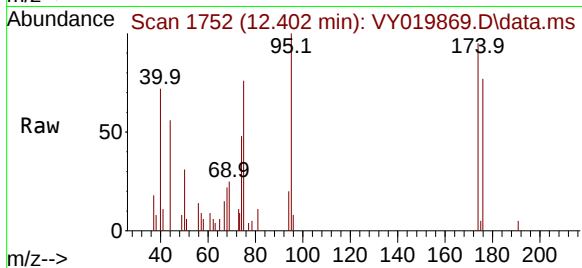
ClientSampleId :

Tgt Ion: 75 Resp: 1586

Ion Ratio Lower Upper

75 100

77 2.8 0.0 0.0#



#78

n-propylbenzene

Concen: 1.118 ug/l

RT: 12.786 min Scan# 1815

Delta R.T. 0.189 min

Lab File: VY019869.D

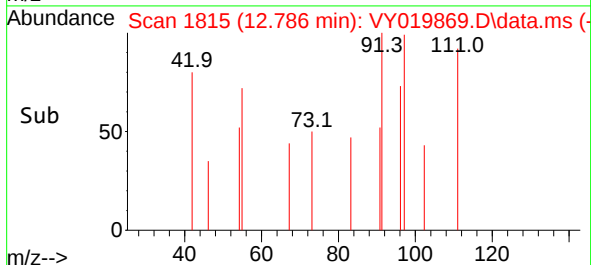
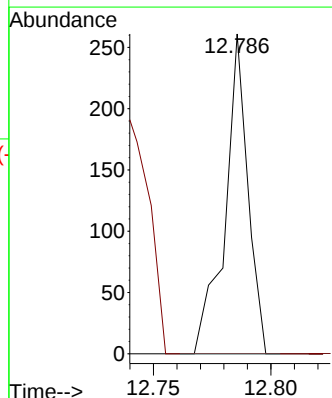
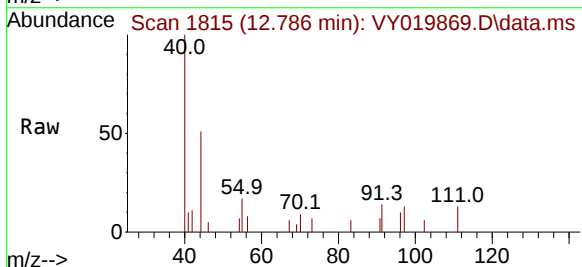
Acq: 11 Oct 2024 14:14

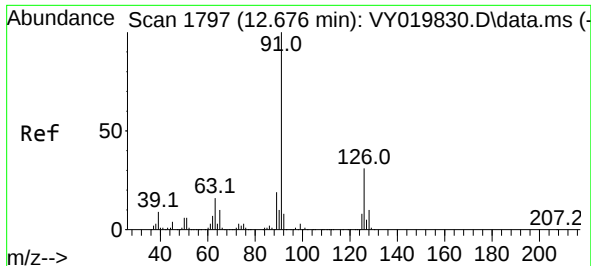
Tgt Ion: 91 Resp: 176

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.4#

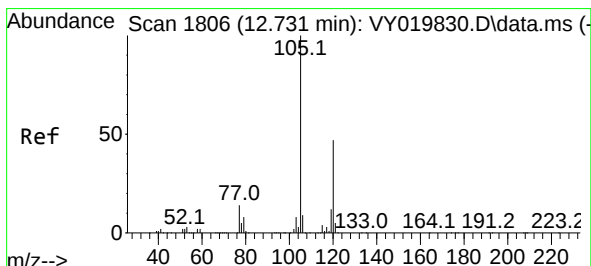
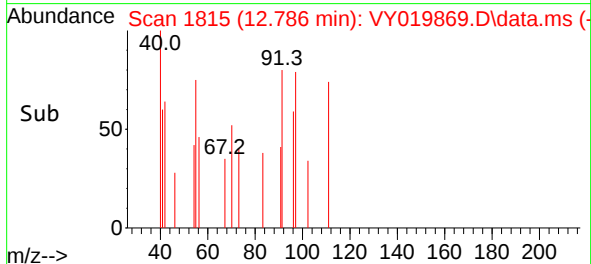
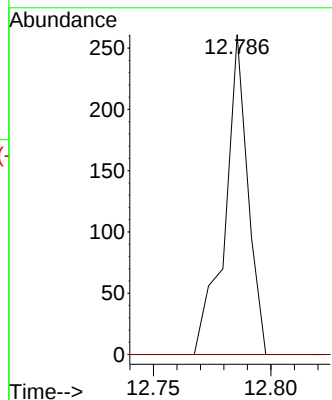
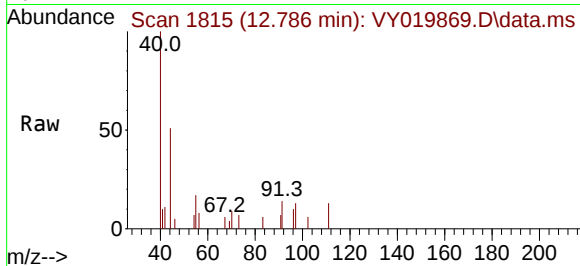




#79
2-Chlorotoluene
Concen: 1.950 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.104 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

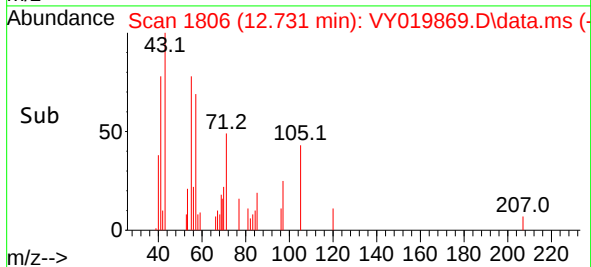
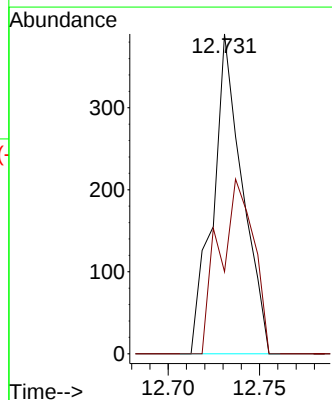
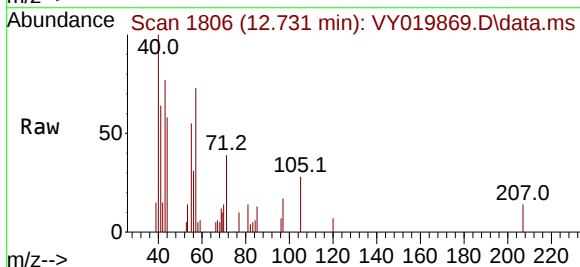
Instrument :
MSVOA_Y
ClientSampleId :

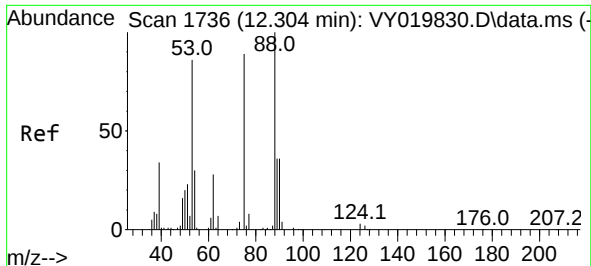
Tgt Ion: 91 Resp: 176
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#



#80
1,3,5-Trimethylbenzene
Concen: 4.153 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

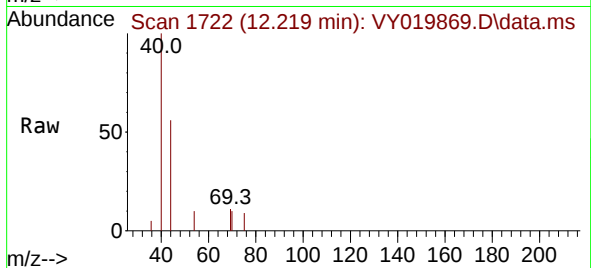
Tgt Ion: 105 Resp: 437
Ion Ratio Lower Upper
105 100
120 63.6 25.1 75.2



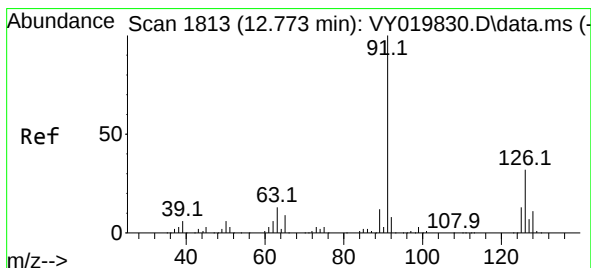
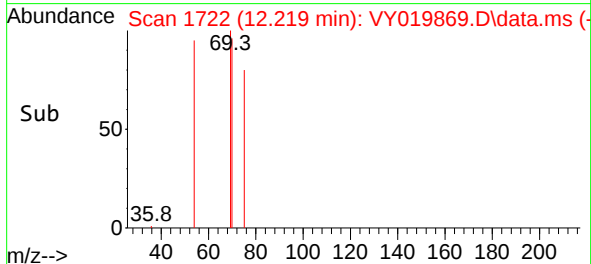
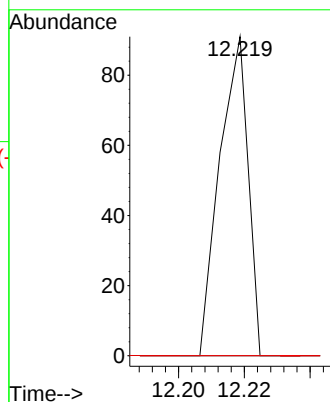


#81
trans-1,4-Dichloro-2-butene
Concen: 7.316 ug/l
RT: 12.219 min Scan# 11
Delta R.T. -0.085 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Instrument :
MSVOA_Y
ClientSampleId :

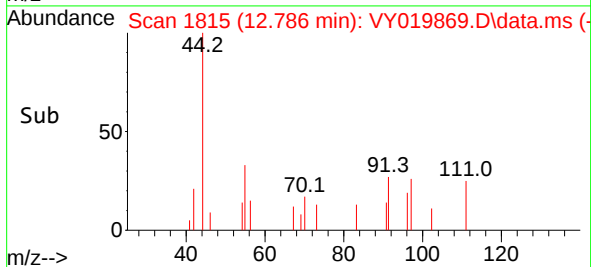
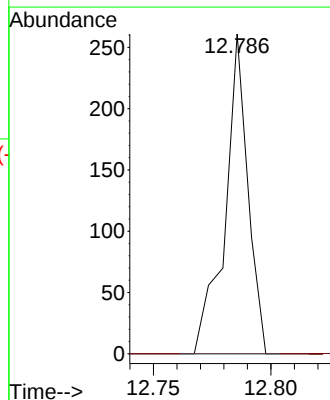
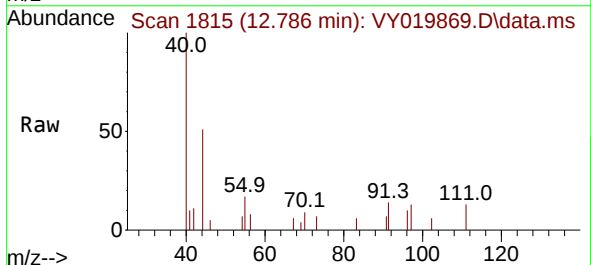


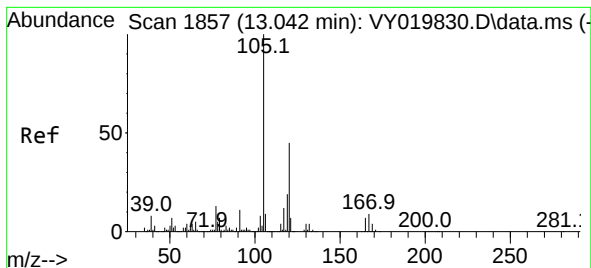
Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 1.907 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.007 min
Lab File: VY019869.D
Acq: 11 Oct 2024 14:14

Tgt Ion: 91 Resp: 176
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#





#84

1,2,4-Trimethylbenzene

Concen: 5.464 ug/l

RT: 13.042 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

Instrument :

MSVOA_Y

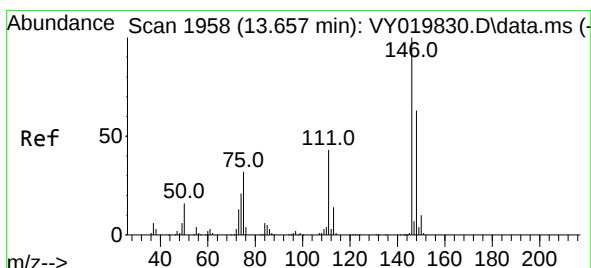
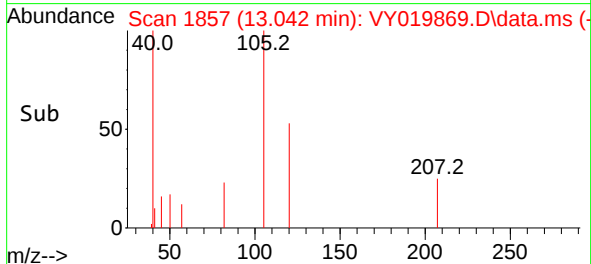
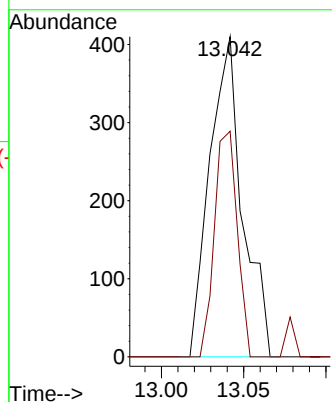
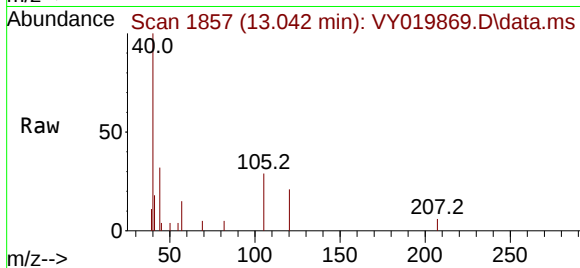
ClientSampleId :

Tgt Ion:105 Resp: 570

Ion Ratio Lower Upper

105 100

120 48.9 23.2 69.6



#91

1,2-Dichlorobenzene

Concen: 1.671 ug/l

RT: 13.664 min Scan# 1959

Delta R.T. 0.007 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

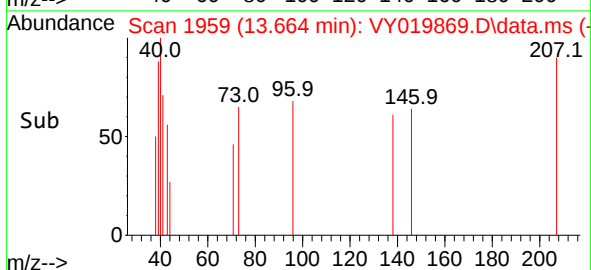
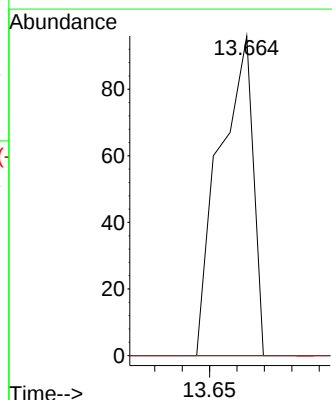
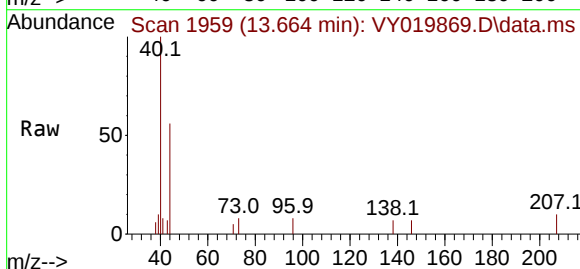
Tgt Ion:146 Resp: 82

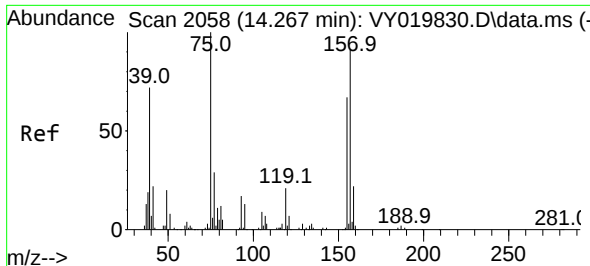
Ion Ratio Lower Upper

146 100

111 0.0 19.9 59.7#

148 0.0 31.8 95.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.142 ug/l

RT: 14.090 min Scan# 2058

Delta R.T. -0.182 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

Instrument :

MSVOA_Y

ClientSampleId :

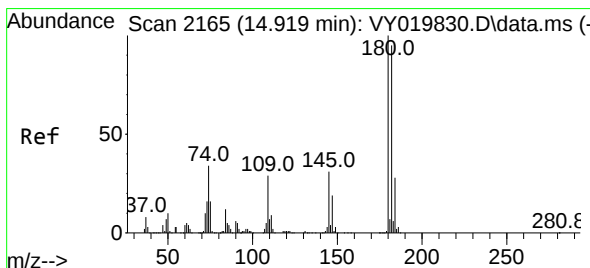
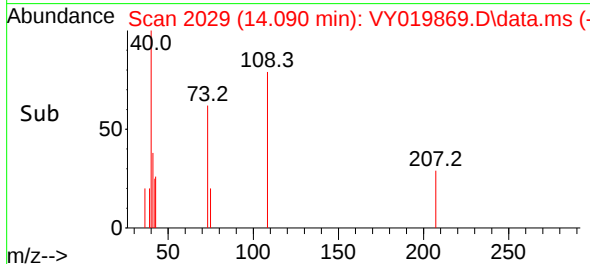
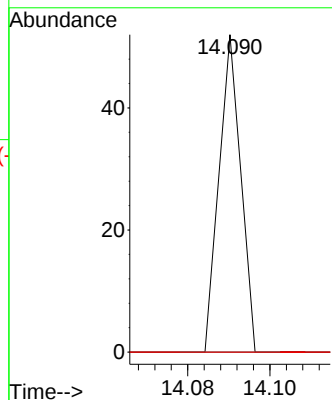
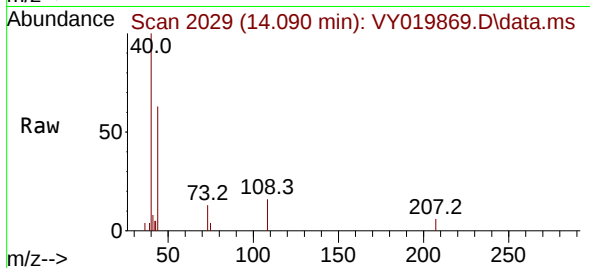
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

157 0.0 62.7 188.2#



#93

1,2,4-Trichlorobenzene

Concen: 2.654 ug/l

RT: 14.938 min Scan# 2168

Delta R.T. 0.019 min

Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

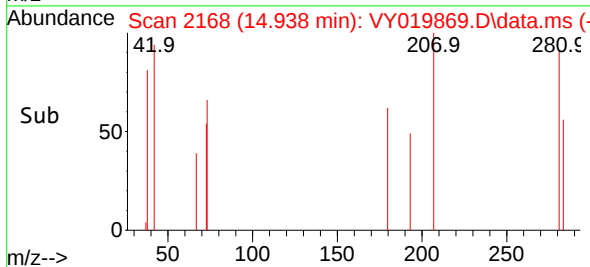
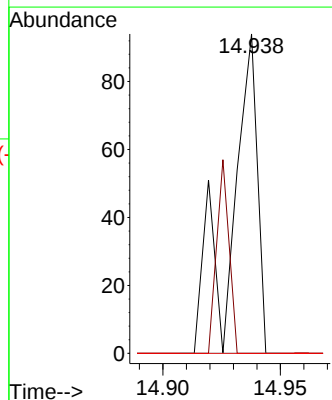
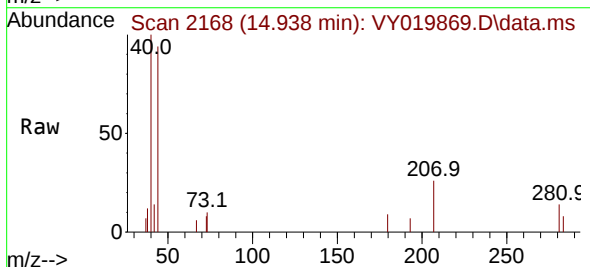
Tgt Ion: 180 Resp: 73

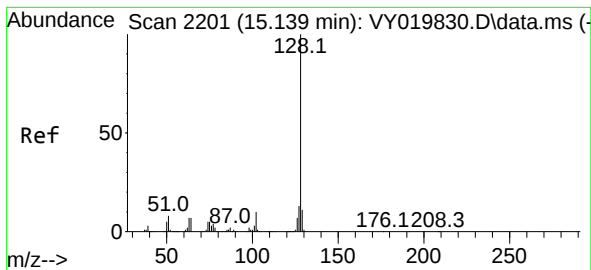
Ion Ratio Lower Upper

180 100

182 28.8 47.9 143.8#

145 0.0 14.2 42.6#





#95

Naphthalene

Concen: 2.197 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.007 min

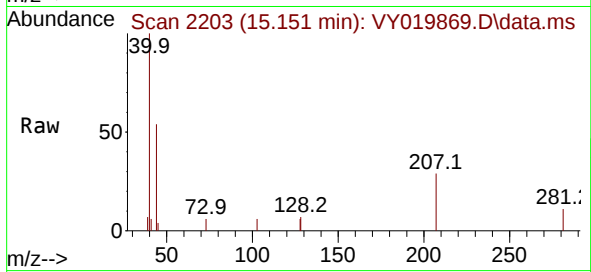
Lab File: VY019869.D

Acq: 11 Oct 2024 14:14

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 114

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

