

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100824\
 Data File : VY019823.D
 Acq On : 08 Oct 2024 15:22
 Operator : SY/MD
 Sample : P4340-03
 Misc : 4.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 09 02:08:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

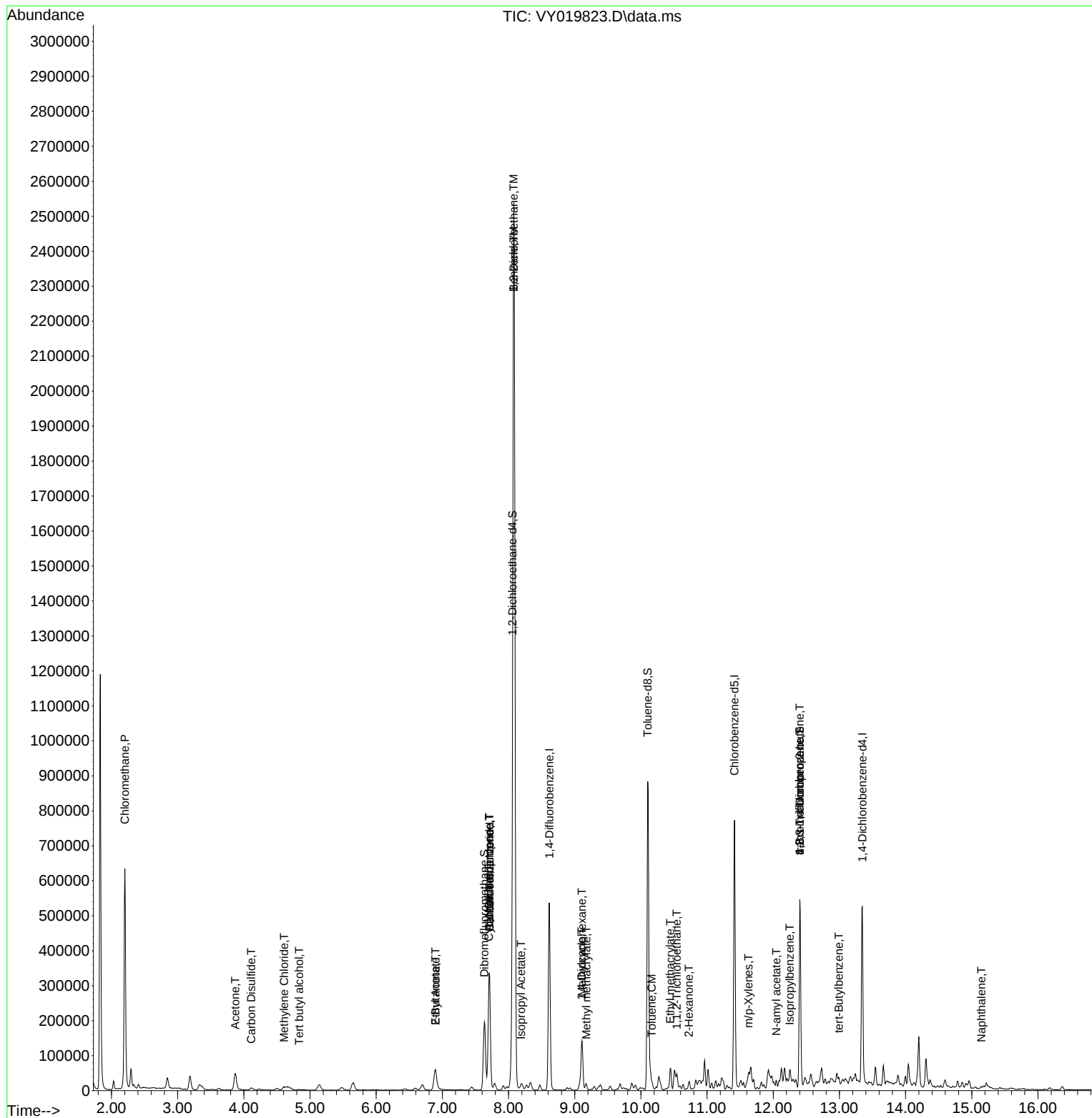
Internal Standards						
1) Pentafluorobenzene	7.713	168	220544	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	428253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	124315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141814	69.442	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.880%	
35) Dibromofluoromethane	7.634	113	139148	57.307	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.620%	
50) Toluene-d8	10.103	98	519639	57.860	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.720%	
62) 4-Bromofluorobenzene	12.402	95	156272	45.253	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 90.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	26	Below Cal	#	43
3) Chloromethane	2.202	50	10510	5.760	ug/l	# 76
11) Tert butyl alcohol	4.836	59	1778	10.781	ug/l	# 88
13) Acrolein	3.647	56	249	Below Cal	#	15
16) Acetone	3.873	43	84484	173.649	ug/l	# 83
17) Carbon Disulfide	4.110	76	9788	1.851	ug/l	# 95
20) Methylene Chloride	4.610	84	3092	1.394	ug/l	# 84
25) 2-Butanone	6.896	43	41838	60.463	ug/l	# 82
31) Cyclohexane	7.701	56	24123	6.600	ug/l	# 83
36) 1,1-Dichloropropene	7.707	75	20081	6.078	ug/l	# 48
37) Ethyl Acetate	6.896	43	41838	24.714	ug/l	# 74
38) Carbon Tetrachloride	7.713	117	24172	6.488	ug/l	# 16
39) Methylcyclohexane	9.110	83	54791	12.461	ug/l	# 89
40) Benzene	8.079	78	2435468	239.325	ug/l	100
42) 1,2-Dichloroethane	8.079	62	22805	8.328	ug/l	# 71
43) Isopropyl Acetate	8.189	43	4202	1.181	ug/l	# 47
48) Methyl methacrylate	9.177	41	4060	2.417	ug/l	# 24
49) 1,4-Dioxane	9.103	88	22	1.374	ug/l	# 1
52) Toluene	10.164	92	6736	1.029	ug/l	99
55) 1,1,2-Trichloroethane	10.542	97	14971	7.968	ug/l	# 20
56) Ethyl methacrylate	10.445	69	8078	2.830	ug/l	# 1
59) 2-Hexanone	10.725	43	10046	7.658	ug/l	# 24
68) m/p-Xylenes	11.627	106	11718	2.363	ug/l	85
73) Isopropylbenzene	12.249	105	23695	2.627	ug/l	99
74) N-amyl acetate	12.048	43	5013	2.044	ug/l	# 44
76) 1,2,3-Trichloropropane	12.402	75	87905	75.442	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	87905	144.828	ug/l	# 16
83) tert-Butylbenzene	12.993	119	6638	1.000	ug/l	83
95) Naphthalene	15.145	128	5390	1.276	ug/l	98

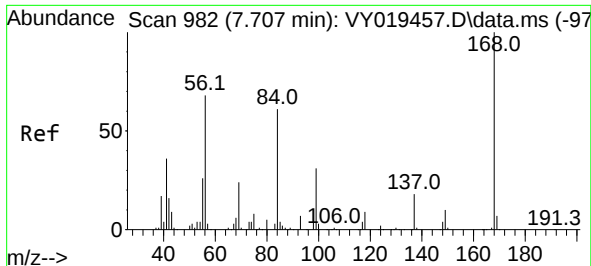
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
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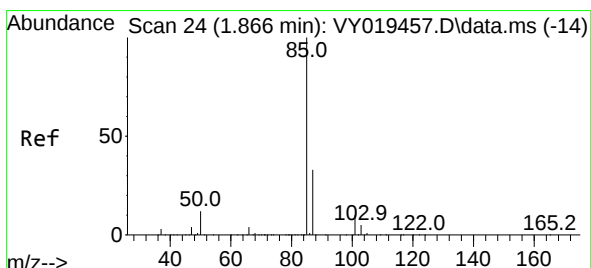
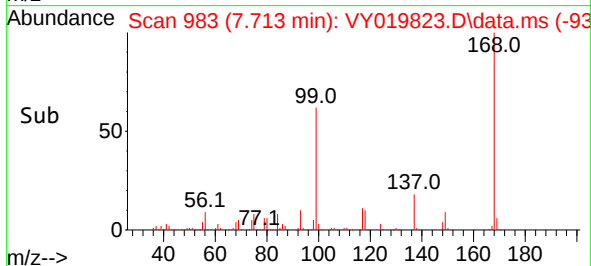
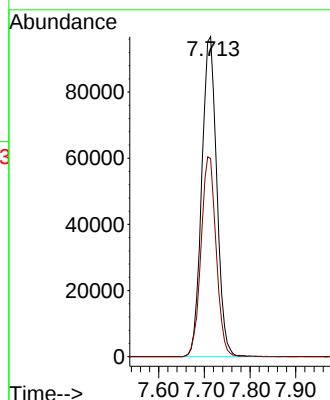
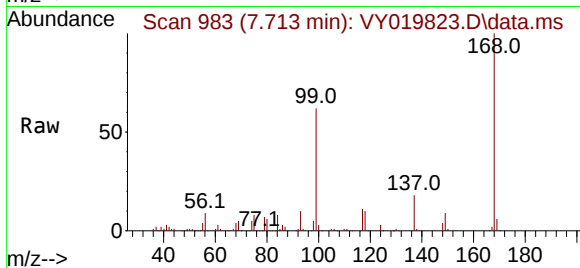




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

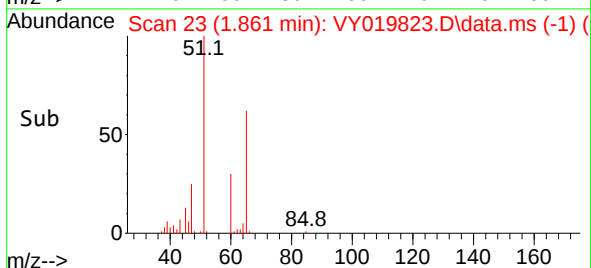
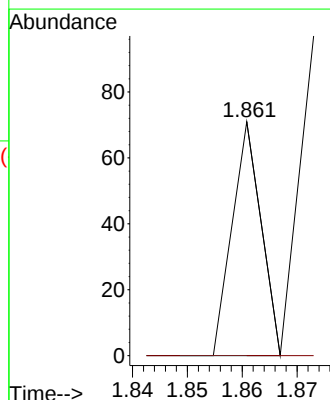
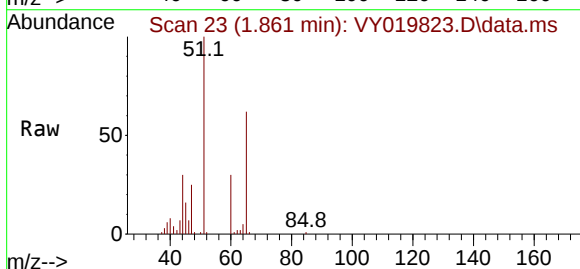
Instrument :
MSVOA_Y
ClientSampleId :

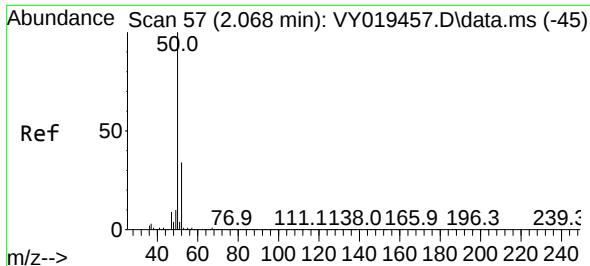
Tgt Ion:168 Resp: 220544
Ion Ratio Lower Upper
168 100
99 61.9 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.861 min Scan# 23
Delta R.T. -0.005 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 85 Resp: 26
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#



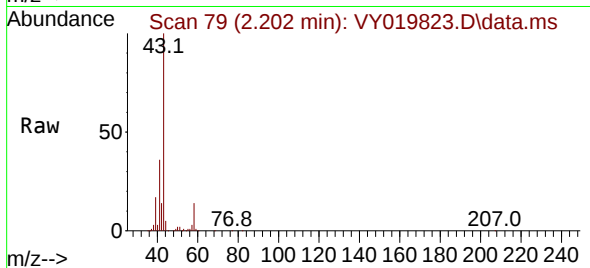


#3
Chloromethane
Concen: 5.760 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.135 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

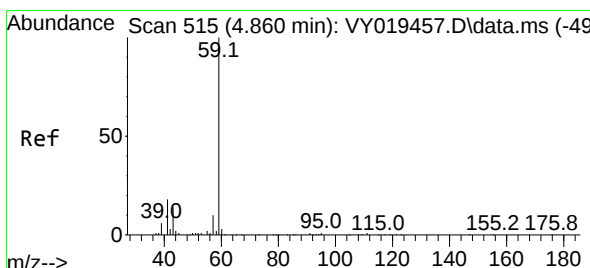
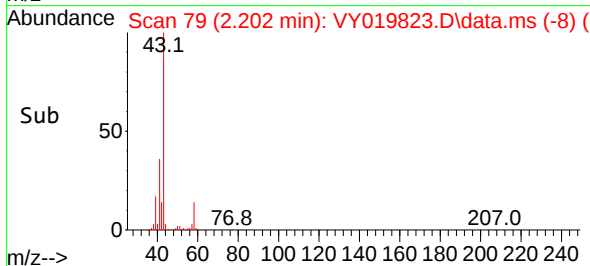
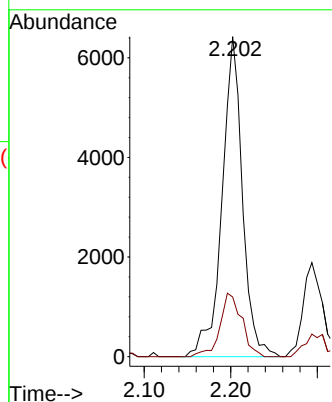
Instrument :

MSVOA_Y

ClientSampleId :

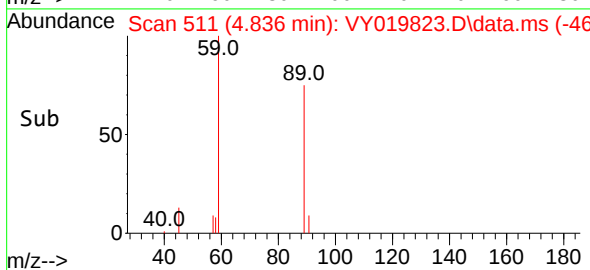
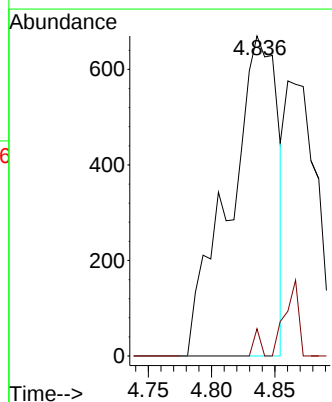
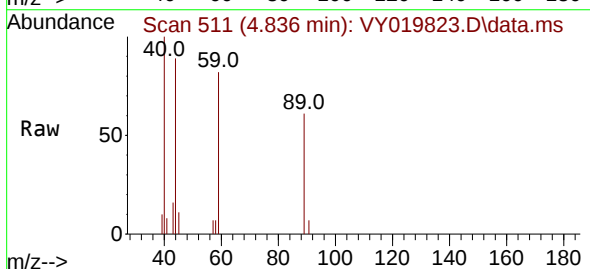


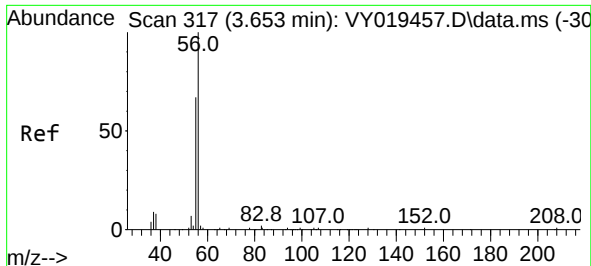
Tgt Ion: 50 Resp: 10510
Ion Ratio Lower Upper
50 100
52 18.6 25.6 38.4#



#11
Tert butyl alcohol
Concen: 10.781 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 59 Resp: 1778
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

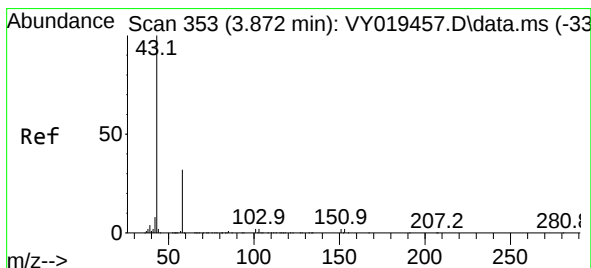
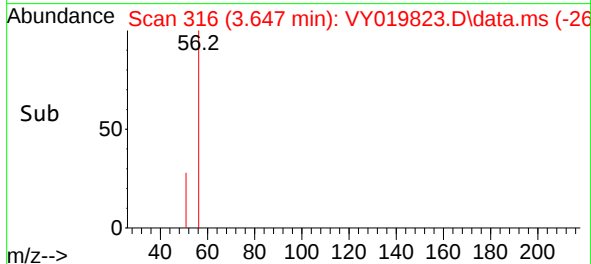
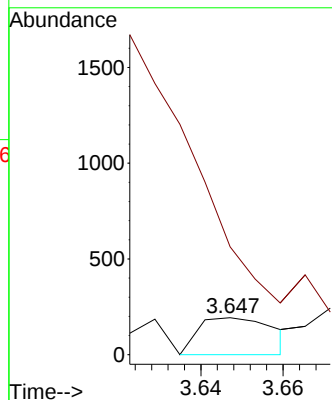
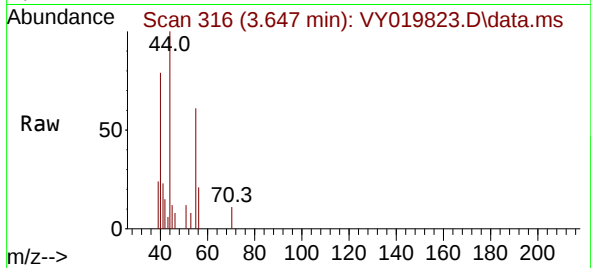




#13
Acrolein
Concen: Below Cal
RT: 3.647 min Scan# 317
Delta R.T. -0.006 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

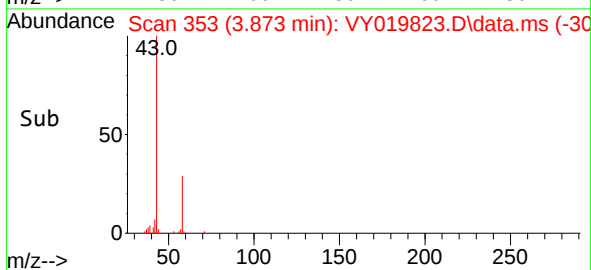
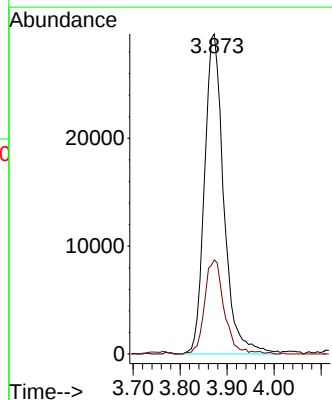
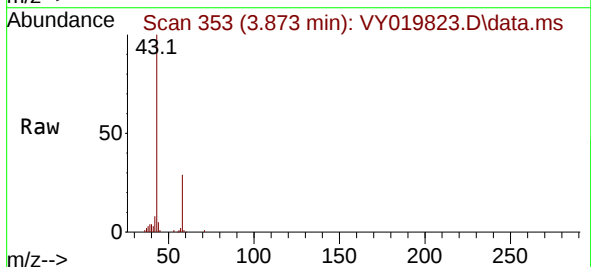
Instrument :
MSVOA_Y
ClientSampleId :

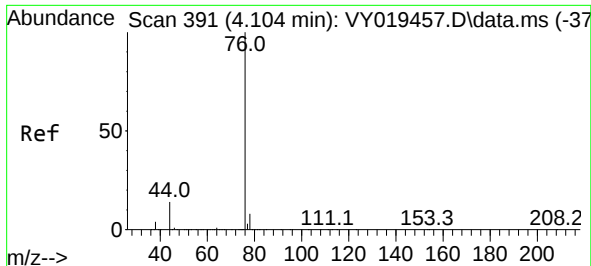
Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 173.649 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 43 Resp: 84484
Ion Ratio Lower Upper
43 100
58 29.4 31.7 47.5#

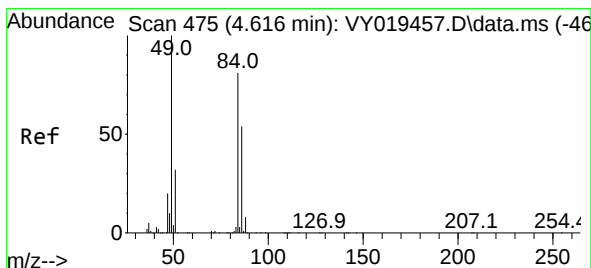
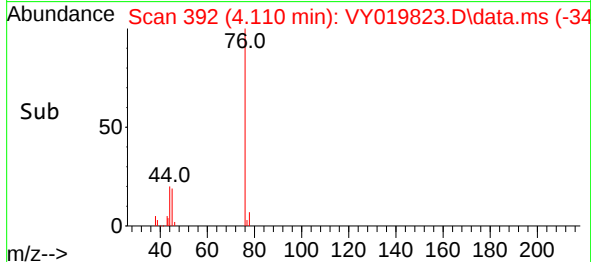
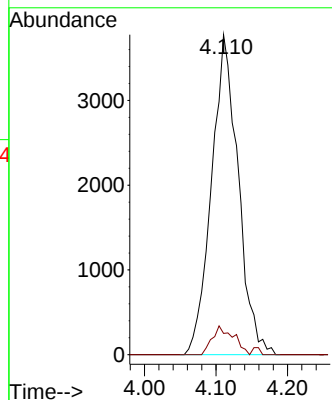
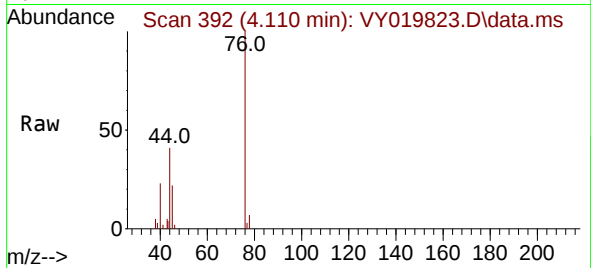




#17
Carbon Disulfide
Concen: 1.851 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.007 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

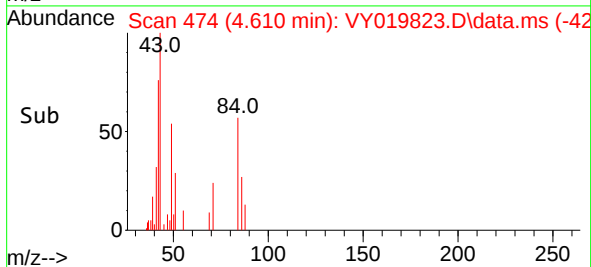
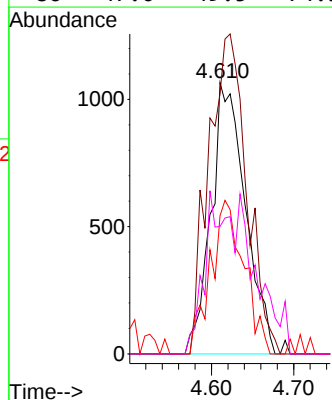
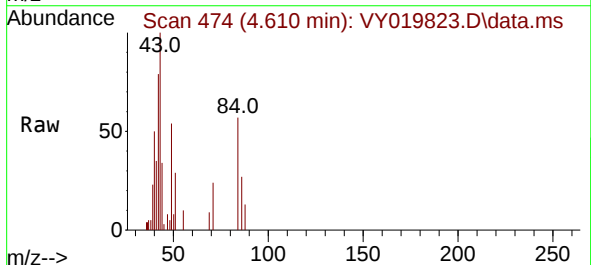
Instrument :
MSVOA_Y
ClientSampleId :

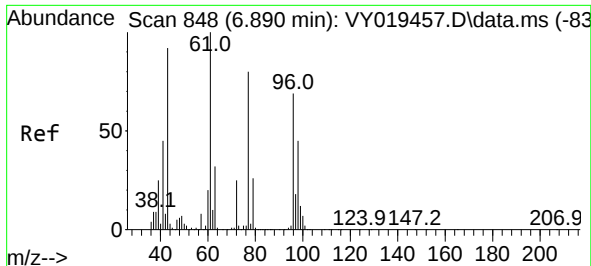
Tgt Ion: 76 Resp: 9788
Ion Ratio Lower Upper
76 100
78 6.7 6.8 10.2#



#20
Methylene Chloride
Concen: 1.394 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 84 Resp: 3092
Ion Ratio Lower Upper
84 100
49 95.9 84.4 126.6
51 50.9 26.0 39.0#
86 47.0 49.5 74.3#

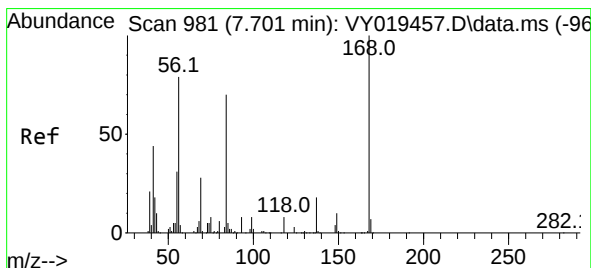
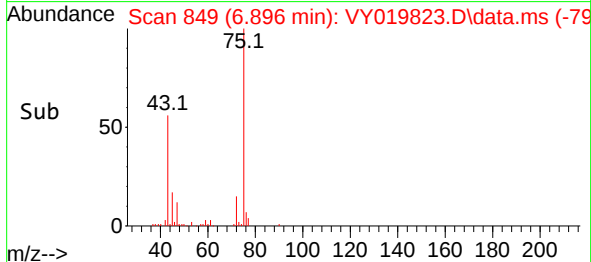
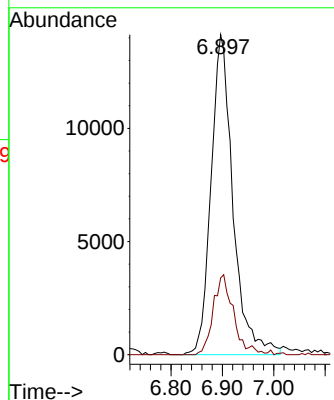
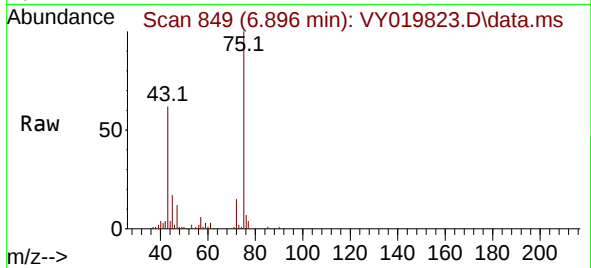




#25
2-Butanone
Concen: 60.463 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.007 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

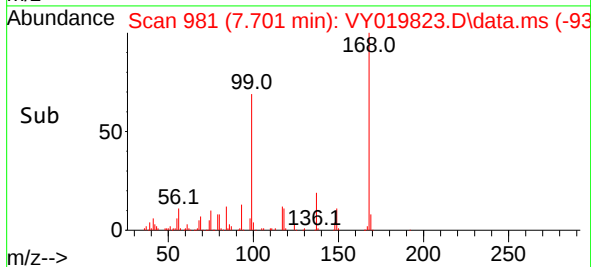
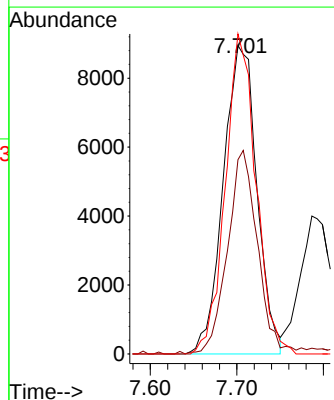
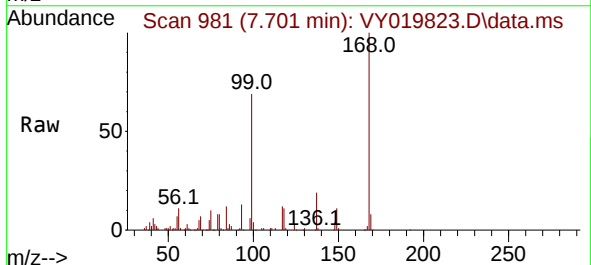
Instrument :
MSVOA_Y
ClientSampleId :

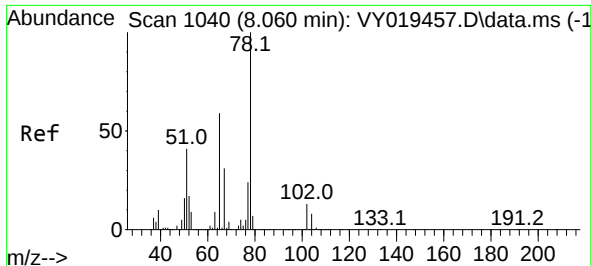
Tgt Ion: 43 Resp: 41838
Ion Ratio Lower Upper
43 100
72 24.0 27.3 40.9#



#31
Cyclohexane
Concen: 6.600 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 56 Resp: 24123
Ion Ratio Lower Upper
56 100
69 62.2 28.7 43.1#
84 103.7 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 69.442 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Instrument :

MSVOA_Y

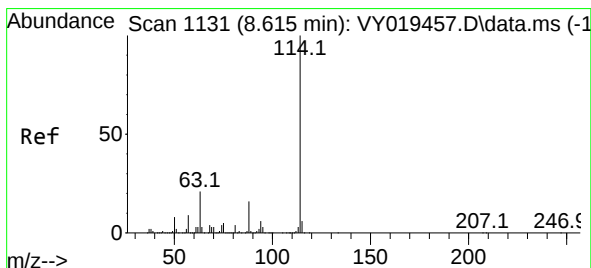
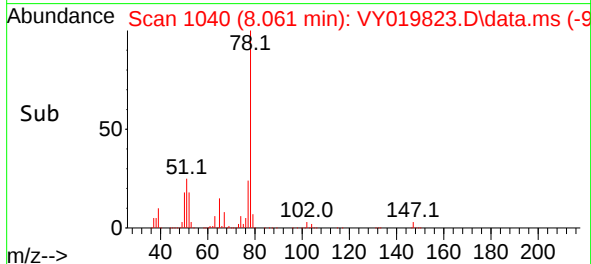
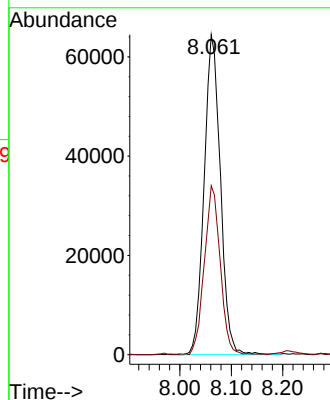
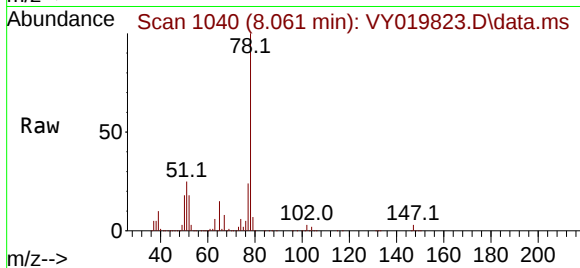
ClientSampleId :

Tgt Ion: 65 Resp: 141814

Ion Ratio Lower Upper

65 100

67 51.7 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: VY019823.D

Acq: 08 Oct 2024 15:22

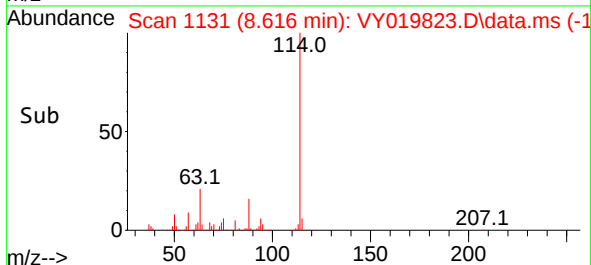
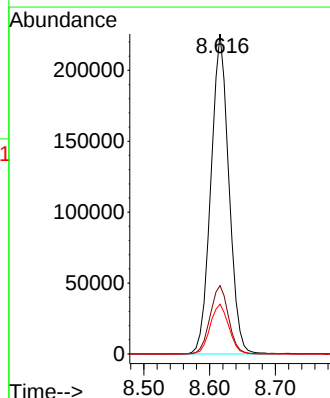
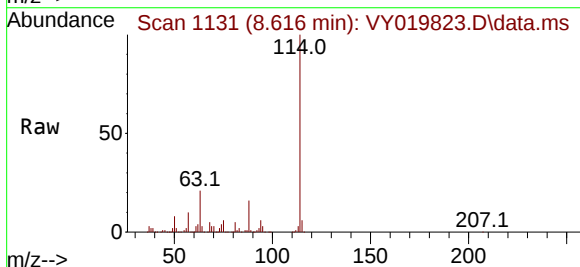
Tgt Ion: 114 Resp: 428253

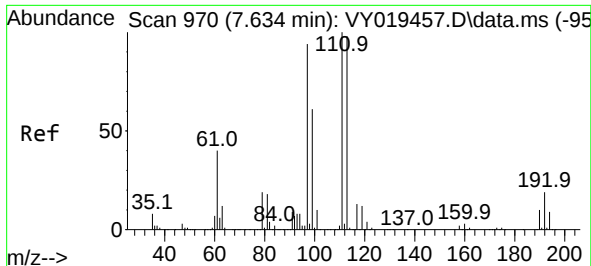
Ion Ratio Lower Upper

114 100

63 21.4 0.0 35.0

88 15.6 0.0 27.2

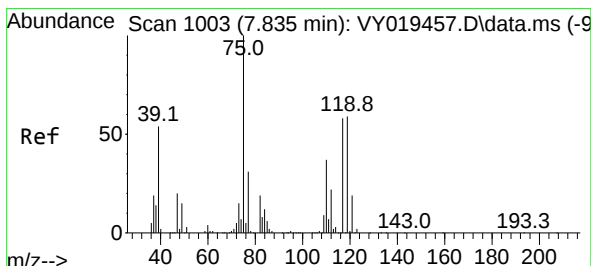
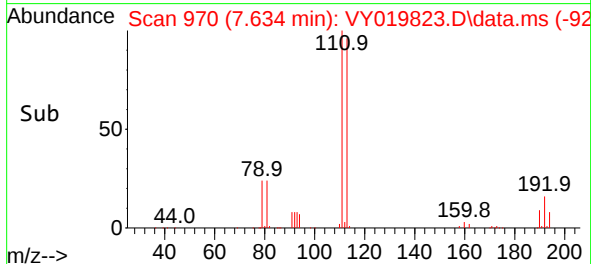
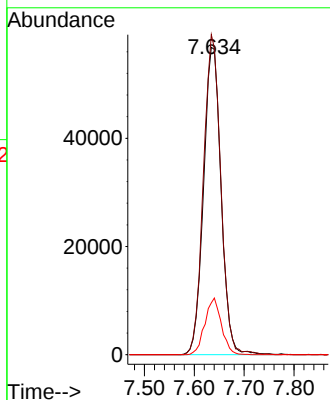
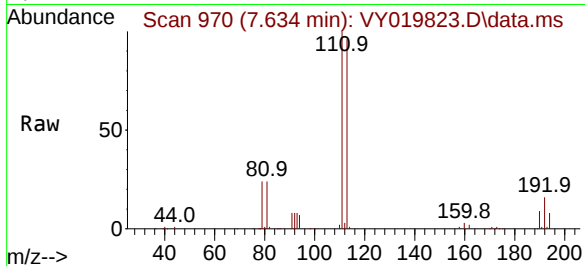




#35
Dibromofluoromethane
Concen: 57.307 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

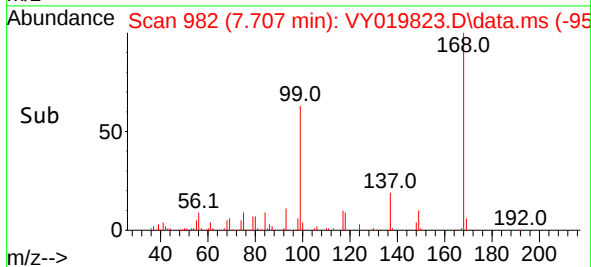
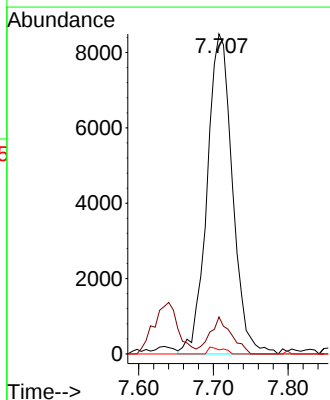
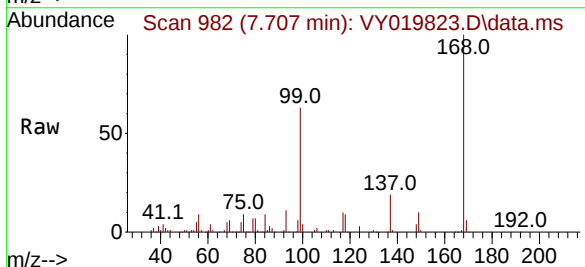
Instrument :
MSVOA_Y
ClientSampleId :

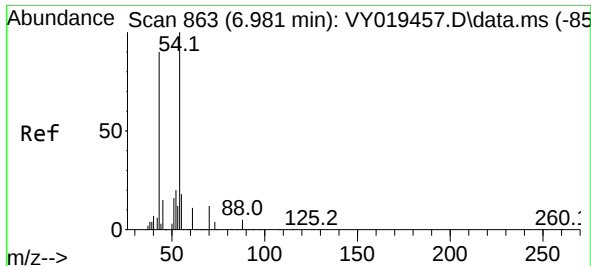
Tgt Ion:113 Resp: 139148
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 17.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.078 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 75 Resp: 20081
Ion Ratio Lower Upper
75 100
110 9.7 19.0 57.0#
77 0.0 25.3 37.9#

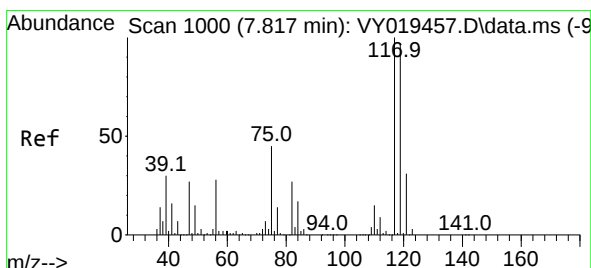
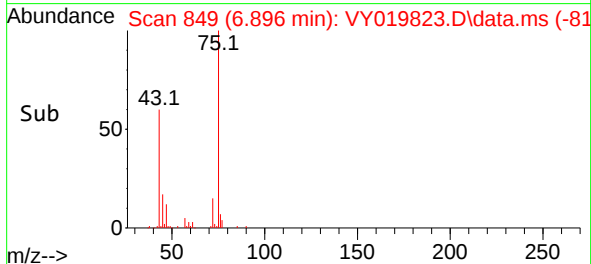
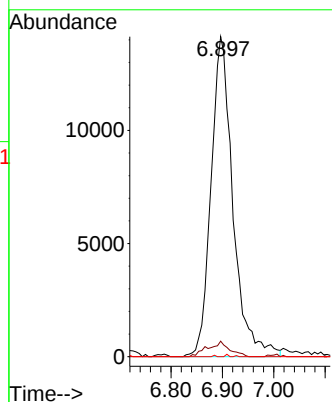
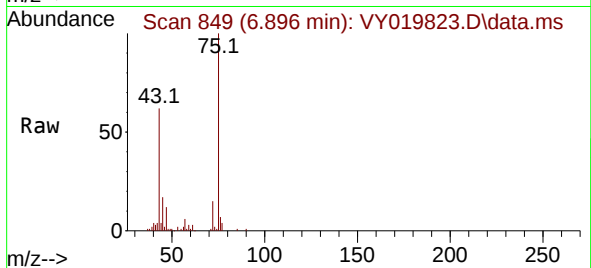




#37
Ethyl Acetate
Concen: 24.714 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

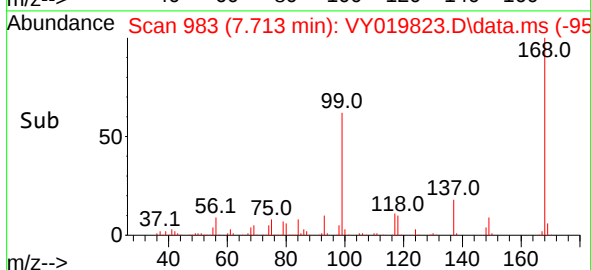
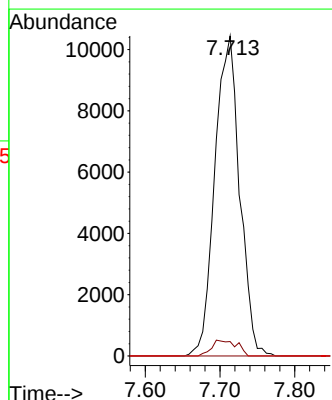
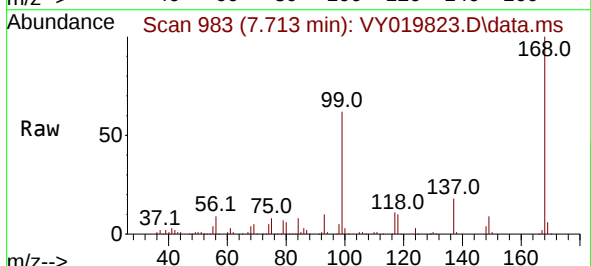
Instrument :
MSVOA_Y
ClientSampleId :

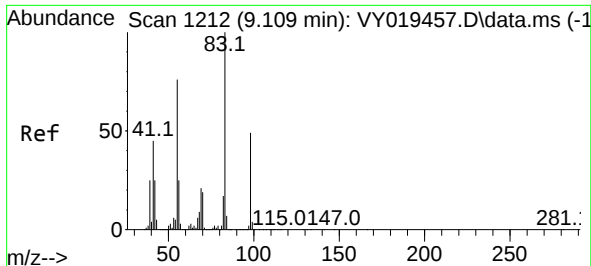
Tgt Ion: 43 Resp: 41838
Ion Ratio Lower Upper
43 100
61 4.8 12.6 19.0#
70 0.1 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.488 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.103 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 117 Resp: 24172
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.0 36.0#





#39

Methylcyclohexane

Concen: 12.461 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

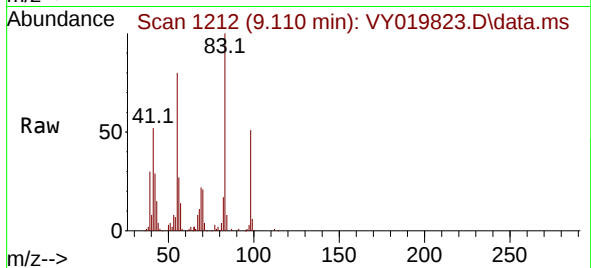
Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

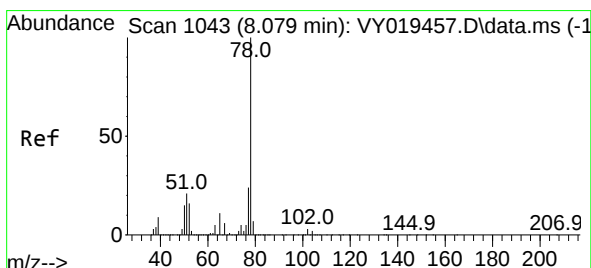
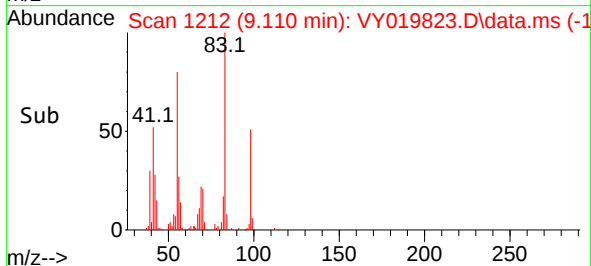
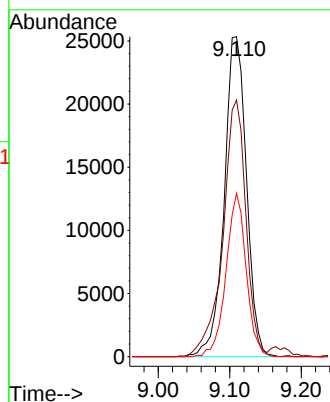
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 83	Resp: 54791
Ion Ratio	Lower Upper
83	100
55	79.9 51.5 77.3#
98	51.0 40.5 60.7



#40

Benzene

Concen: 239.325 ug/l

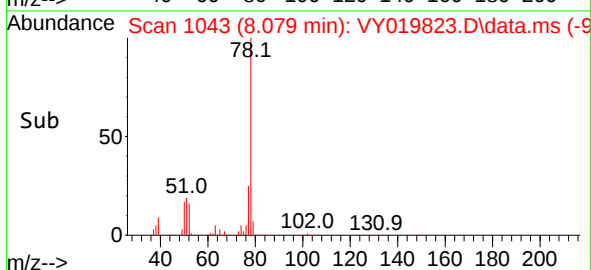
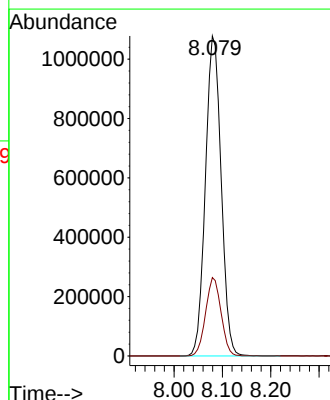
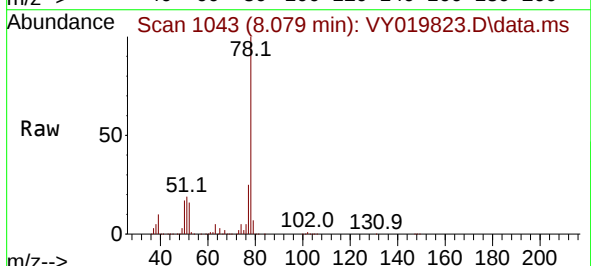
RT: 8.079 min Scan# 1043

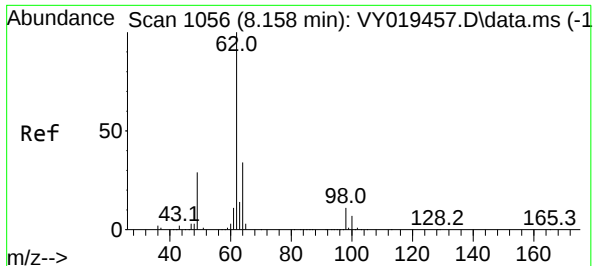
Delta R.T. 0.000 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Tgt Ion: 78	Resp: 2435468
Ion Ratio	Lower Upper
78	100
77	24.5 19.5 29.3





#42

1,2-Dichloroethane

Concen: 8.328 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.079 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Instrument :

MSVOA_Y

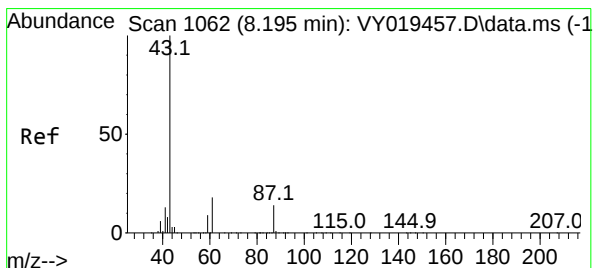
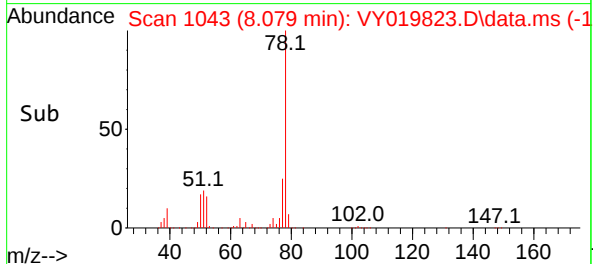
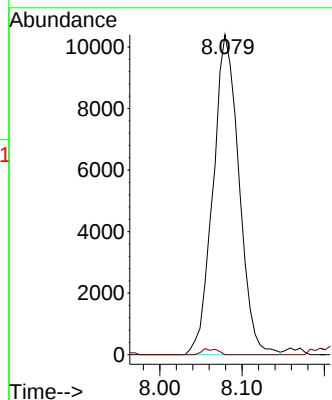
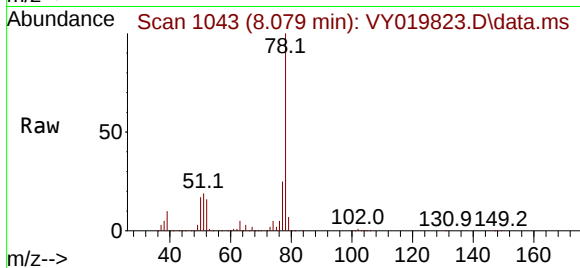
ClientSampleId :

Tgt Ion: 62 Resp: 22805

Ion Ratio Lower Upper

62 100

98 0.0 0.0 22.0



#43

Isopropyl Acetate

Concen: 1.181 ug/l

RT: 8.189 min Scan# 1061

Delta R.T. -0.006 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

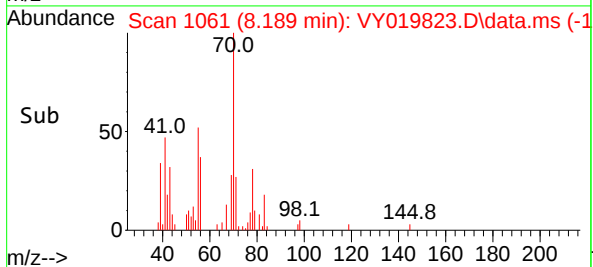
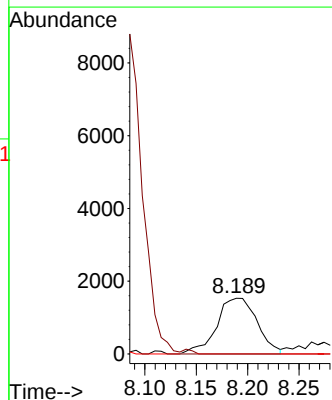
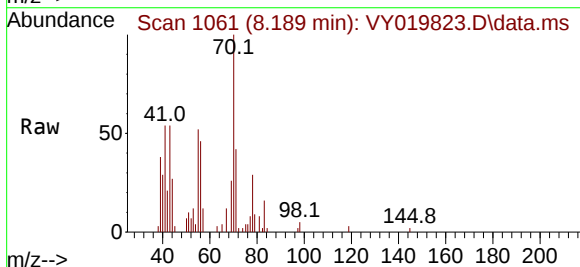
Tgt Ion: 43 Resp: 4202

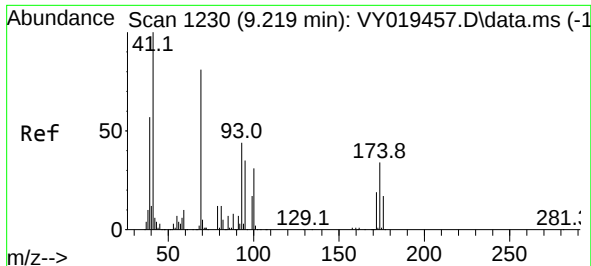
Ion Ratio Lower Upper

43 100

61 0.0 27.9 41.9#

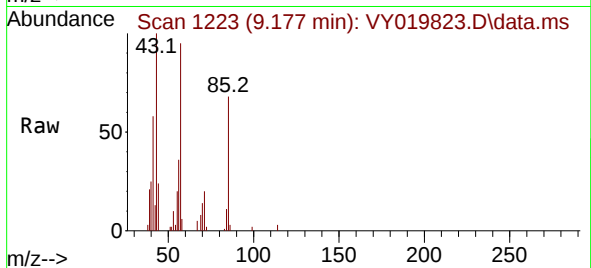
87 0.0 13.1 19.7#



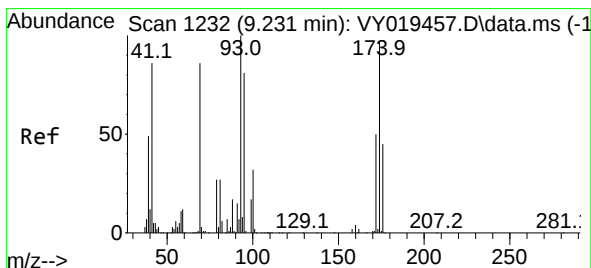
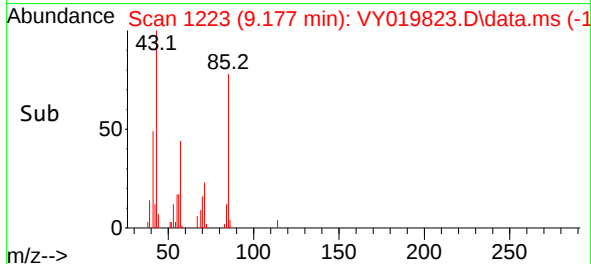
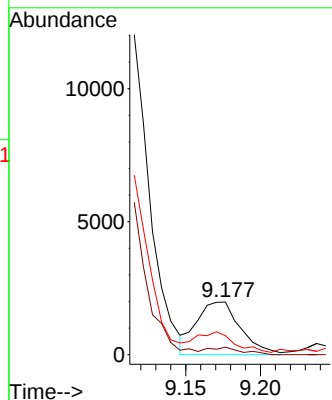


#48
Methyl methacrylate
Concen: 2.417 ug/l
RT: 9.177 min Scan# 11
Delta R.T. -0.042 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Instrument :
MSVOA_Y
ClientSampleId :

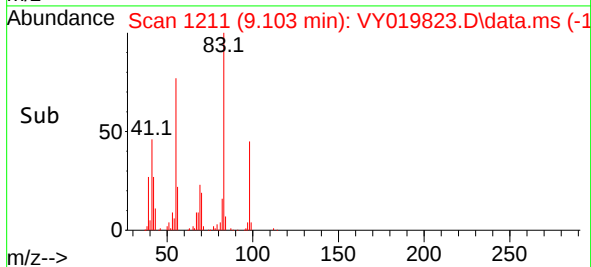
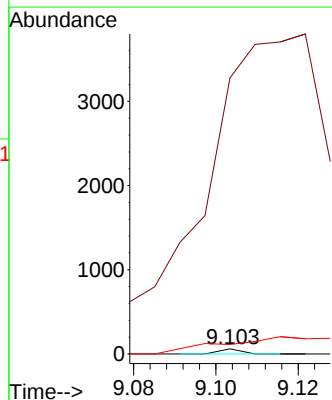
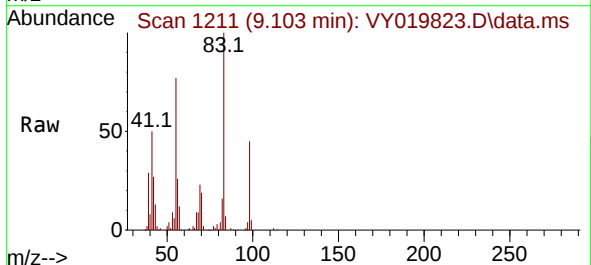


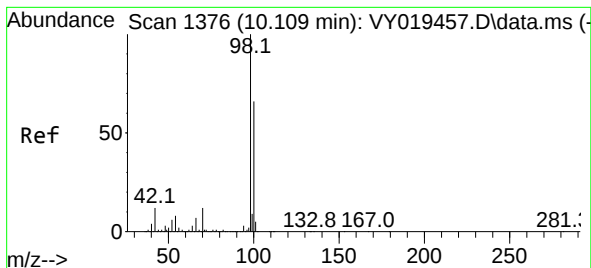
Tgt Ion: 41 Resp: 4060
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 36.1 43.6 65.4#



#49
1,4-Dioxane
Concen: 1.374 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.128 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 41350.0 0.0 0.0#
58 1881.8 49.3 73.9#





#50

Toluene-d8

Concen: 57.860 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Instrument :

MSVOA_Y

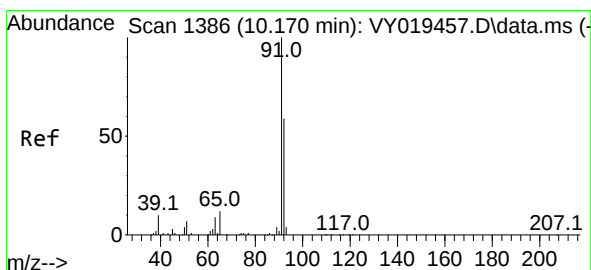
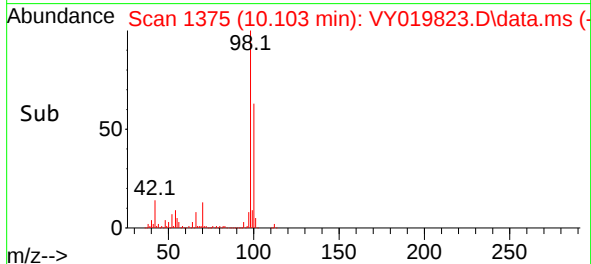
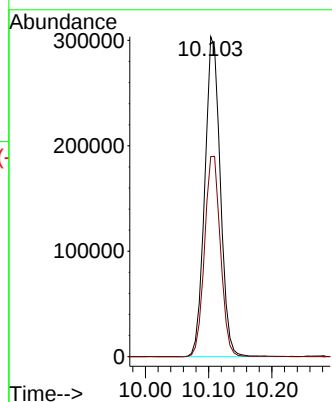
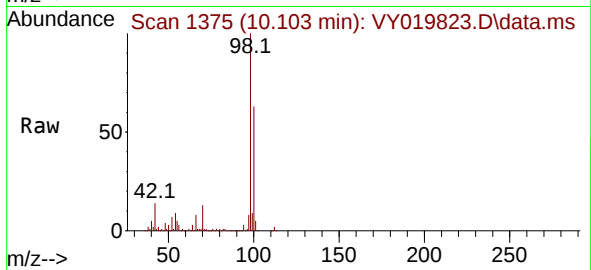
ClientSampleId :

Tgt Ion: 98 Resp: 519639

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#52

Toluene

Concen: 1.029 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. -0.006 min

Lab File: VY019823.D

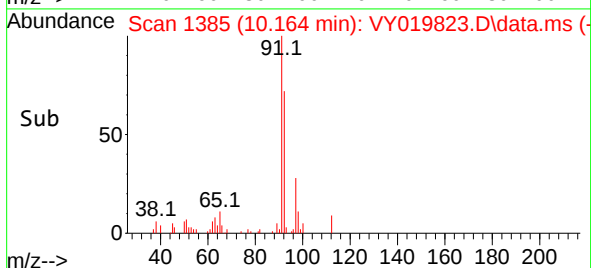
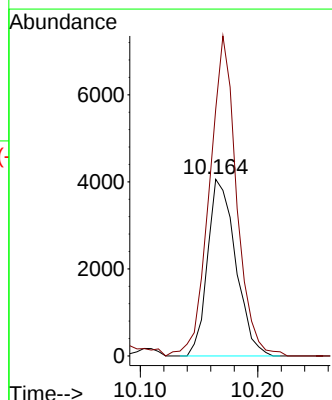
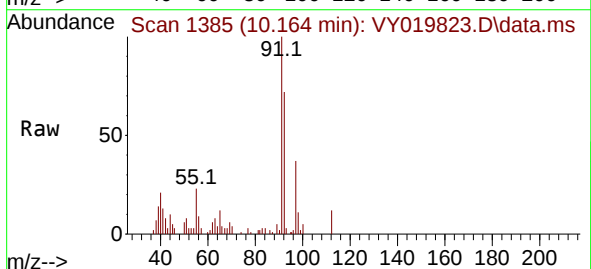
Acq: 08 Oct 2024 15:22

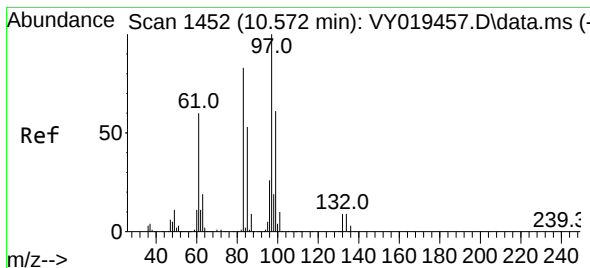
Tgt Ion: 92 Resp: 6736

Ion Ratio Lower Upper

92 100

91 174.9 139.0 208.6





#55

1,1,2-Trichloroethane

Concen: 7.968 ug/l

RT: 10.542 min Scan# 1447

Delta R.T. -0.030 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 97 Resp: 14971

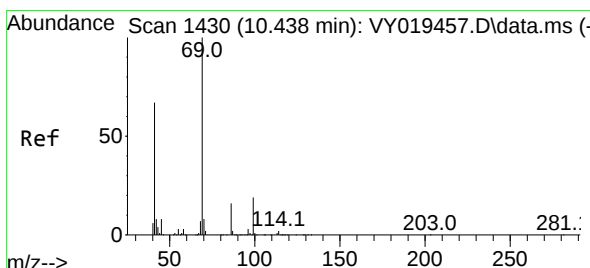
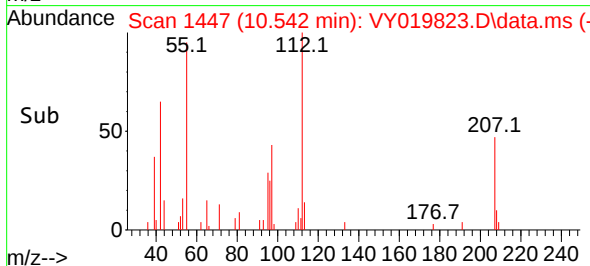
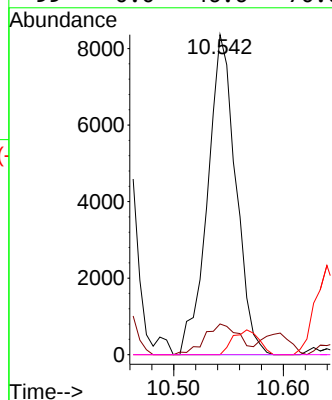
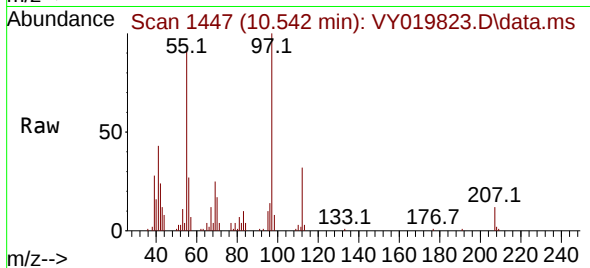
Ion Ratio Lower Upper

97 100

83 8.8 67.5 101.3#

85 0.0 42.9 64.3#

99 0.0 46.6 70.0#



#56

Ethyl methacrylate

Concen: 2.830 ug/l

RT: 10.445 min Scan# 1431

Delta R.T. 0.007 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

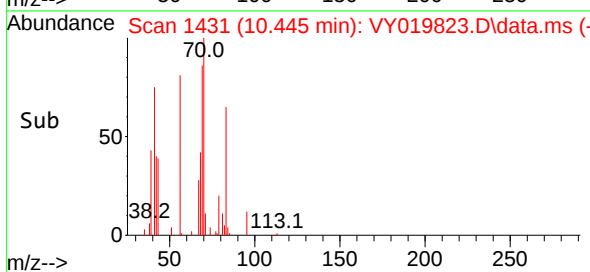
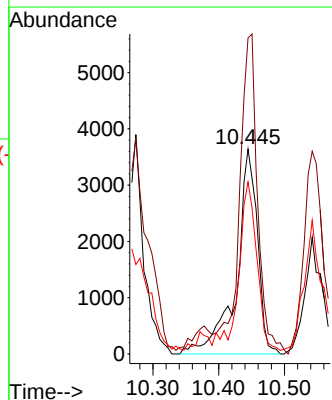
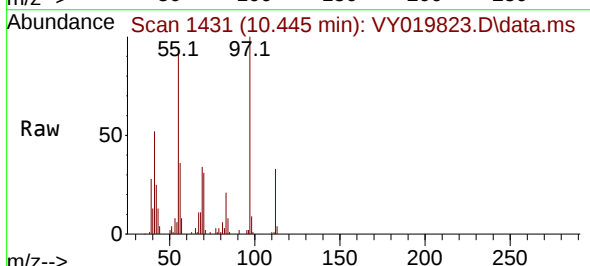
Tgt Ion: 69 Resp: 8078

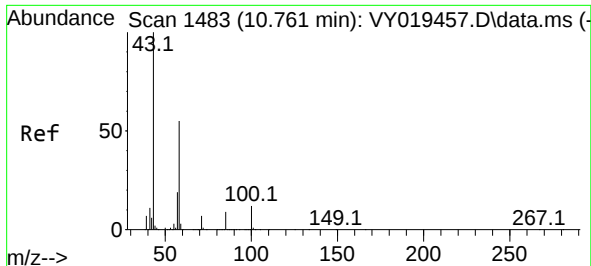
Ion Ratio Lower Upper

69 100

41 135.8 42.3 63.5#

39 70.1 22.9 34.3#

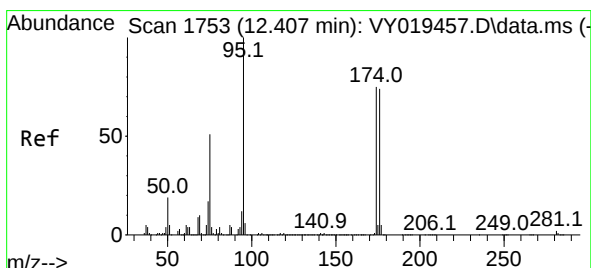
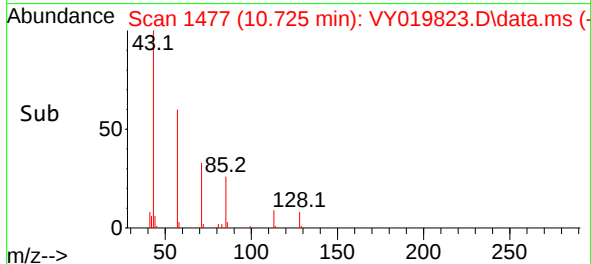
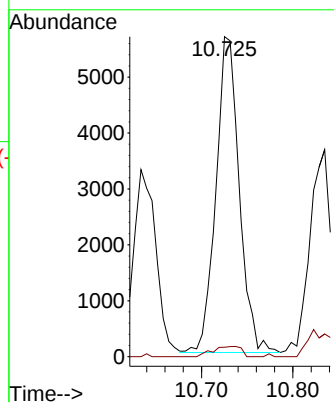
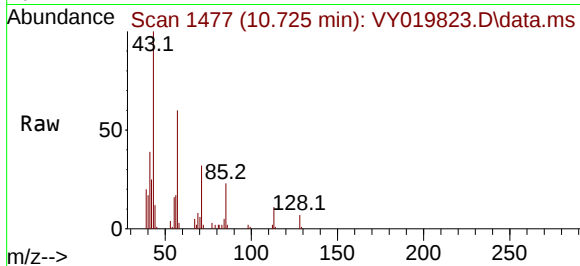




#59
2-Hexanone
Concen: 7.658 ug/l
RT: 10.725 min Scan# 1483
Delta R.T. -0.036 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

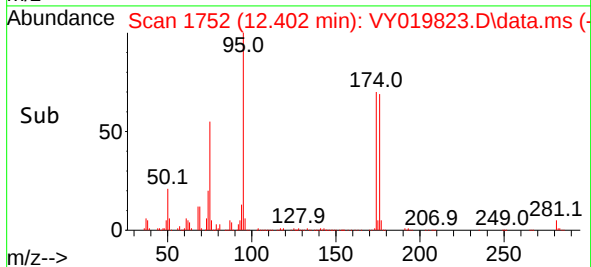
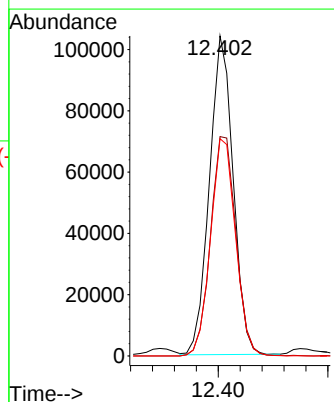
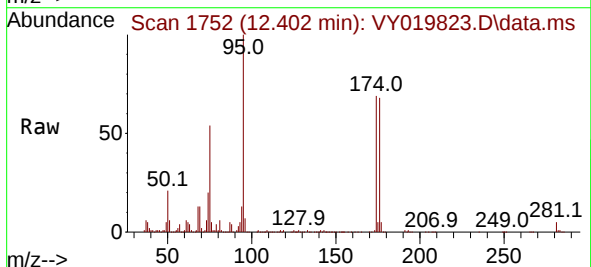
Instrument :
MSVOA_Y
ClientSampleId :

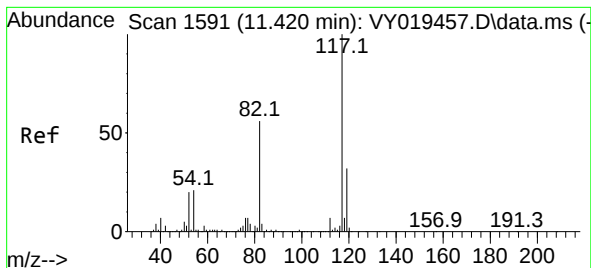
Tgt Ion: 43 Resp: 10046
Ion Ratio Lower Upper
43 100
58 4.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 45.253 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 95 Resp: 156272
Ion Ratio Lower Upper
95 100
174 73.9 0.0 175.6
176 71.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Instrument :

MSVOA_Y

ClientSampleId :

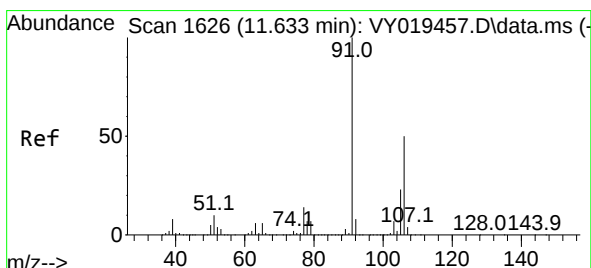
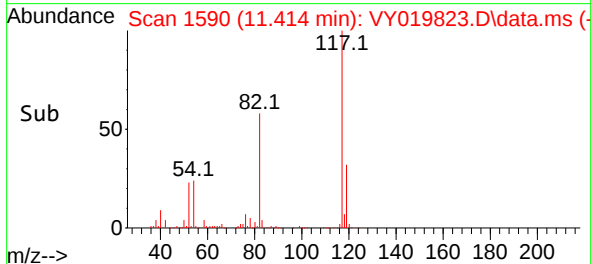
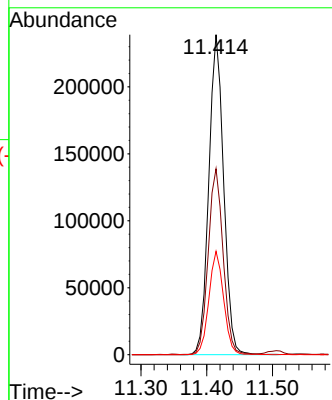
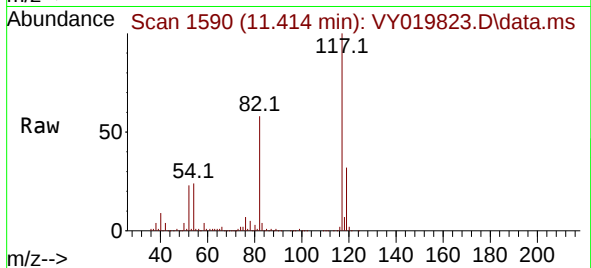
Tgt Ion:117 Resp: 375290

Ion Ratio Lower Upper

117 100

82 58.0 42.4 63.6

119 32.3 25.9 38.9



#68

m/p-Xylenes

Concen: 2.363 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY019823.D

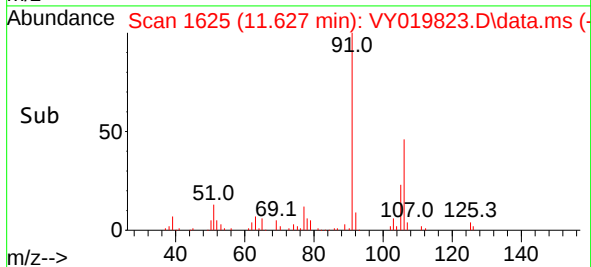
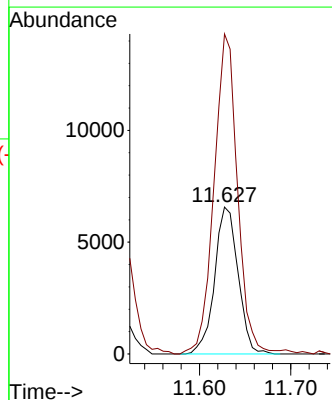
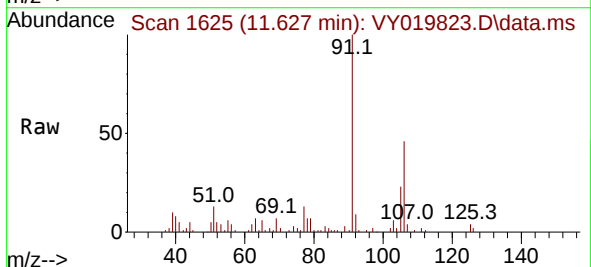
Acq: 08 Oct 2024 15:22

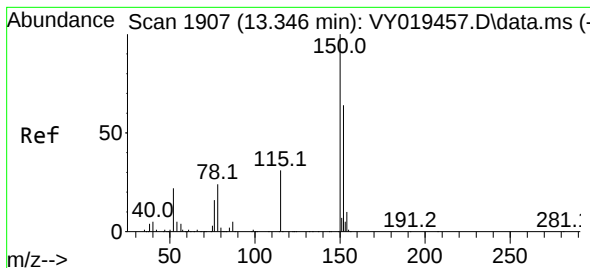
Tgt Ion:106 Resp: 11718

Ion Ratio Lower Upper

106 100

91 217.4 156.0 234.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Instrument :

MSVOA_Y

ClientSampleId :

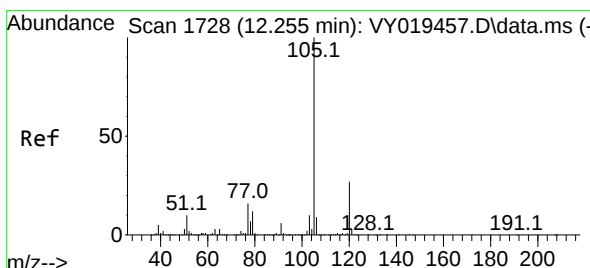
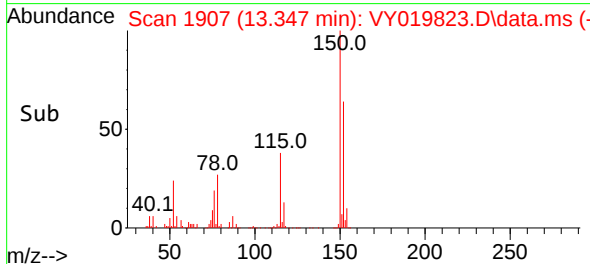
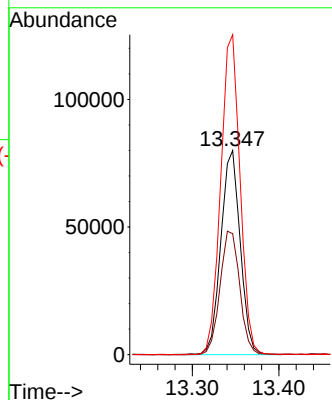
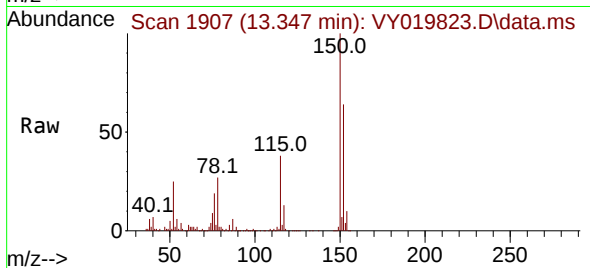
Tgt Ion:152 Resp: 124315

Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 156.4 0.0 345.6



#73

Isopropylbenzene

Concen: 2.627 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY019823.D

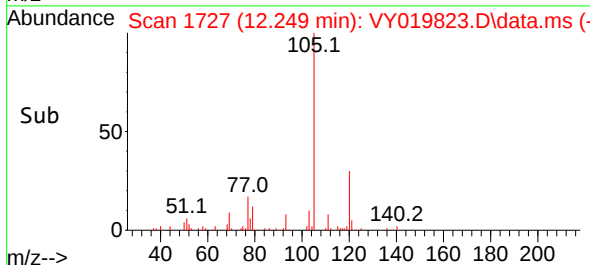
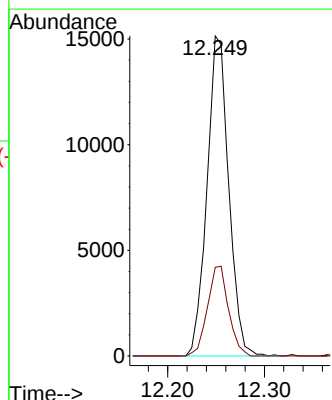
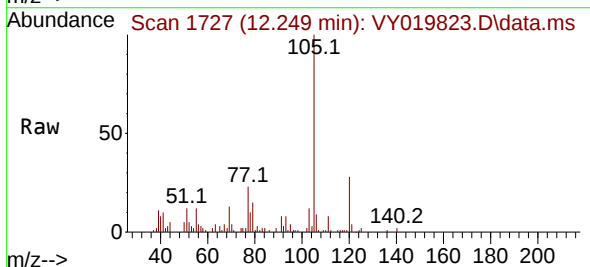
Acq: 08 Oct 2024 15:22

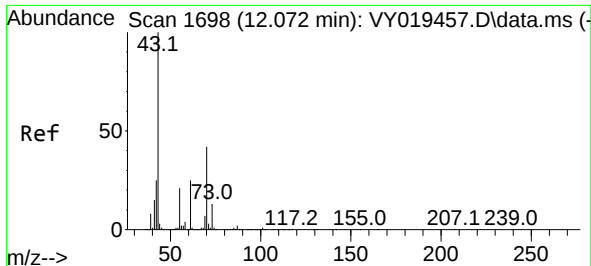
Tgt Ion:105 Resp: 23695

Ion Ratio Lower Upper

105 100

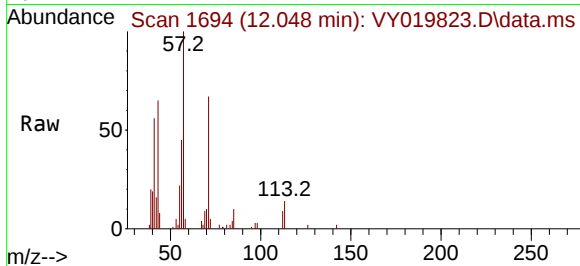
120 27.1 13.4 40.1



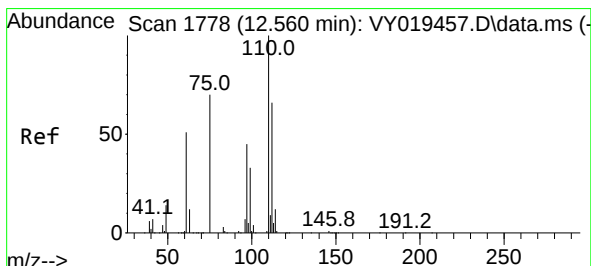
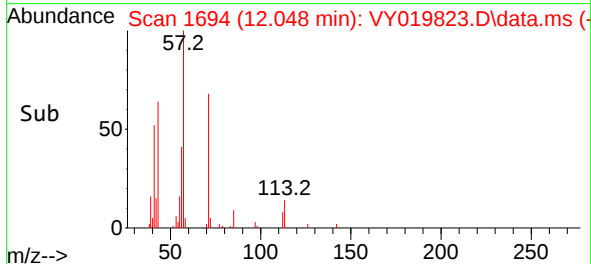
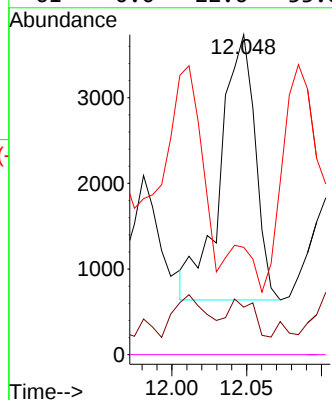


#74
N-amy1 acetate
Concen: 2.044 ug/l
RT: 12.048 min Scan# 1752
Delta R.T. -0.024 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Instrument :
MSVOA_Y
ClientSampleId :

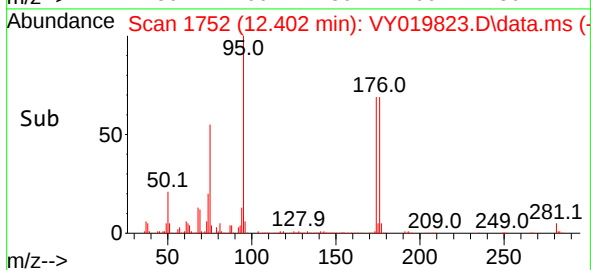
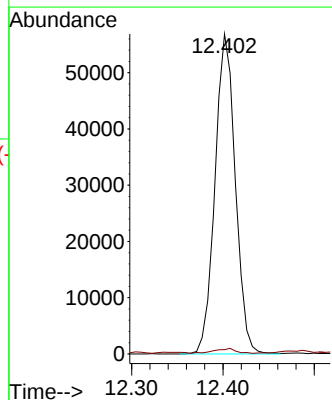
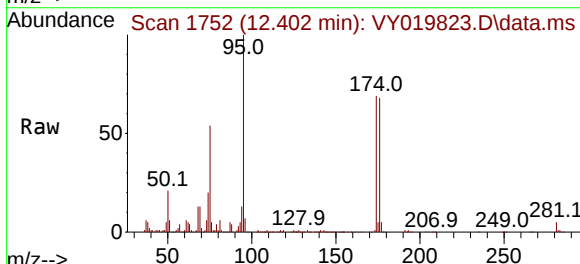


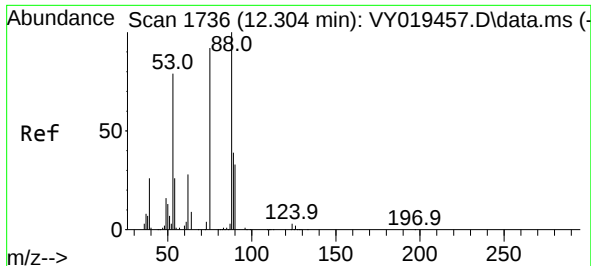
Tgt Ion: 43	Resp: 5013
Ion Ratio	Lower Upper
43	100
70	10.5 41.4 62.2#
55	0.0 23.3 34.9#
61	0.0 22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 75.442 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 75	Resp: 87905
Ion Ratio	Lower Upper
75	100
77	1.6 0.0 0.0#

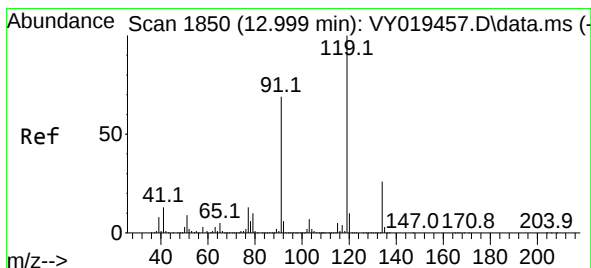
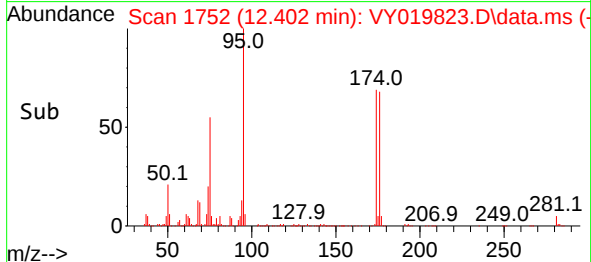
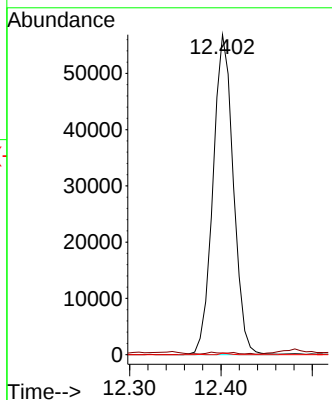
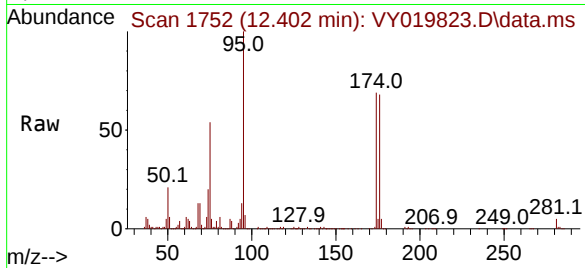




#81
trans-1,4-Dichloro-2-butene
Concen: 144.828 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

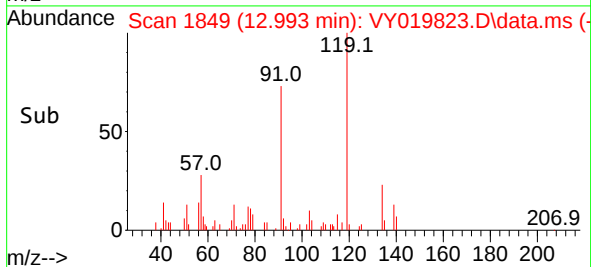
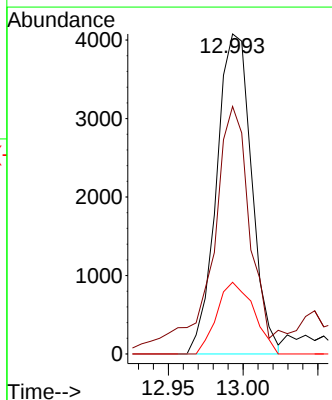
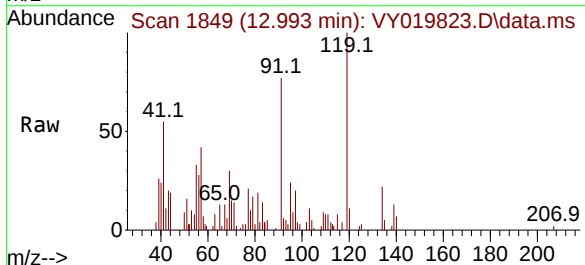
Instrument :
MSVOA_Y
ClientSampleId :

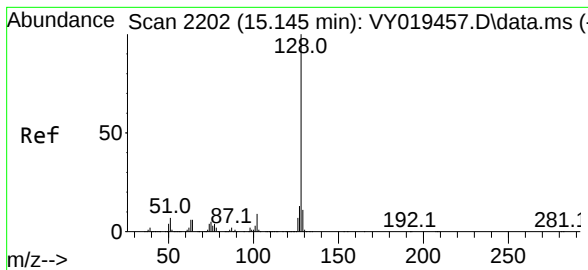
Tgt Ion: 75 Resp: 87905
Ion Ratio Lower Upper
75 100
53 0.4 66.8 100.2#
89 0.2 35.8 53.6#



#83
tert-Butylbenzene
Concen: 1.000 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.006 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

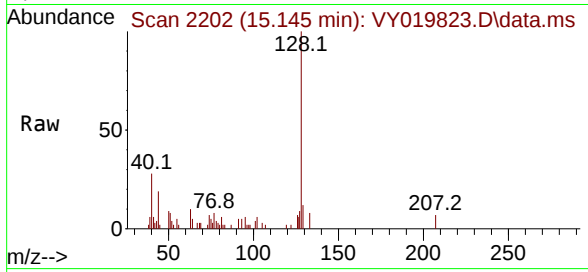
Tgt Ion: 119 Resp: 6638
Ion Ratio Lower Upper
119 100
91 79.5 31.3 93.8
134 23.6 13.4 40.1





#95
 Naphthalene
 Concen: 1.276 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019823.D
 Acq: 08 Oct 2024 15:22

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	5390
Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.6	16.0
129	11.4	8.6	13.0

