

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020249.D
 Acq On : 11 Nov 2024 15:35
 Operator : SY/MD
 Sample : P4768-07
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 11 23:17:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

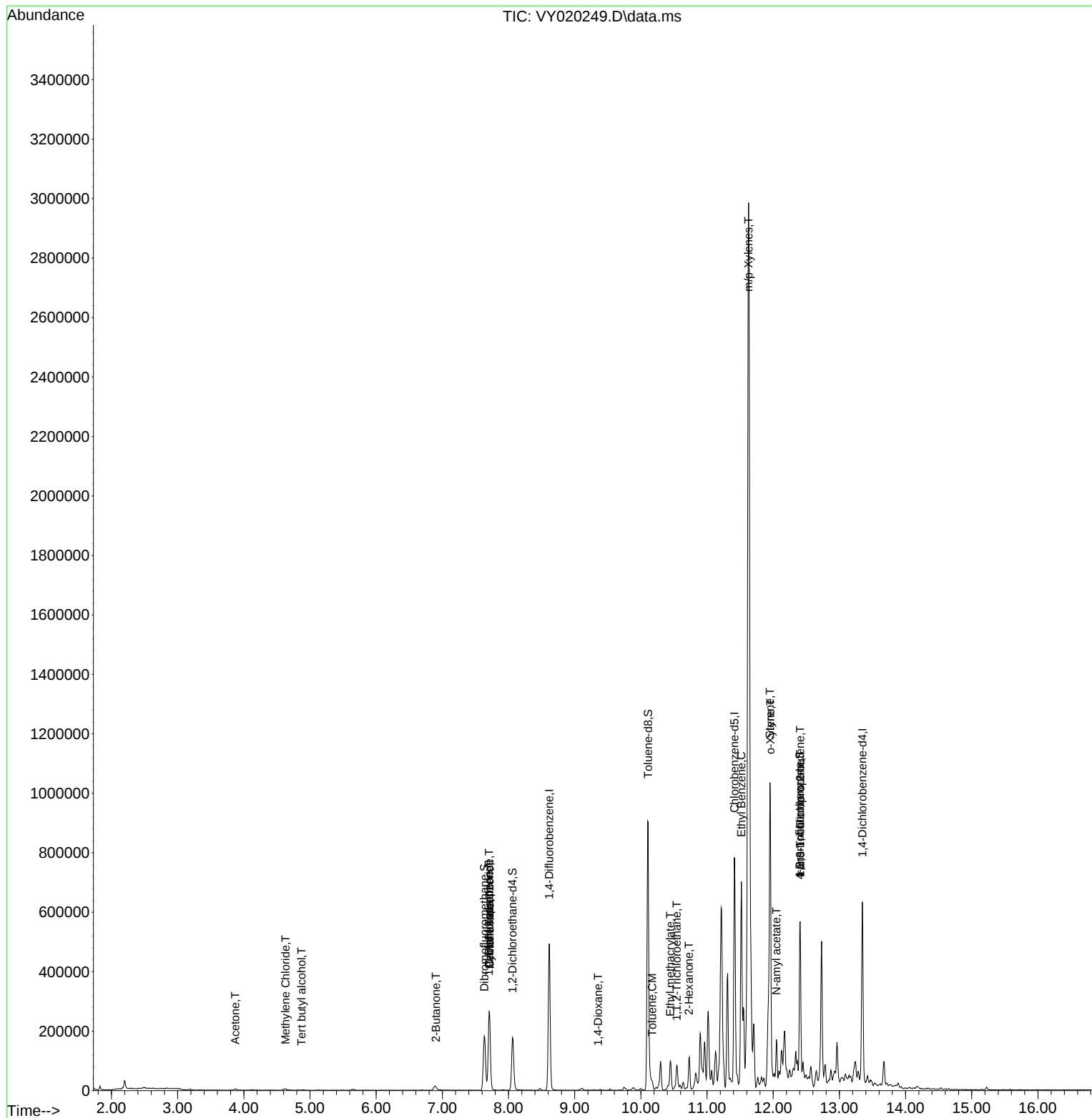
Internal Standards						
1) Pentafluorobenzene	7.713	168	182405	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	389693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	371704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	138450	60.816	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.640%	
35) Dibromofluoromethane	7.634	113	129480	52.259	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.520%	
50) Toluene-d8	10.109	98	498571	50.553	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.100%	
62) 4-Bromofluorobenzene	12.402	95	162690	50.787	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 101.580%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.872	59	601	3.670	ug/l	# 88
16) Acetone	3.873	43	7159	13.522	ug/l	# 80
20) Methylene Chloride	4.629	84	3240	1.362	ug/l	86
25) 2-Butanone	6.903	43	1888	2.631	ug/l	# 75
31) Cyclohexane	7.713	56	6484	1.569	ug/l	# 42
36) 1,1-Dichloropropene	7.701	75	18576	4.853	ug/l	# 48
38) Carbon Tetrachloride	7.707	117	21415	5.564	ug/l	# 17
49) 1,4-Dioxane	9.353	88	30	2.012	ug/l	# 20
52) Toluene	10.170	92	10572	1.535	ug/l	92
55) 1,1,2-Trichloroethane	10.542	97	29188	16.209	ug/l	# 21
56) Ethyl methacrylate	10.445	69	9809	3.798	ug/l	# 1
59) 2-Hexanone	10.725	43	40914	31.563	ug/l	# 23
67) Ethyl Benzene	11.518	91	439351	29.675	ug/l	100
68) m/p-Xylenes	11.627	106	720033	132.927	ug/l	90
69) o-Xylene	11.956	106	230095	44.867	ug/l	92
70) Styrene	11.950	104	12019	1.417	ug/l	# 1
74) N-amyl acetate	12.048	43	29864	11.373	ug/l	# 50
76) 1,2,3-Trichloropropane	12.408	75	95303	77.315	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	95303	166.301	ug/l	# 17

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 11 23:17:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

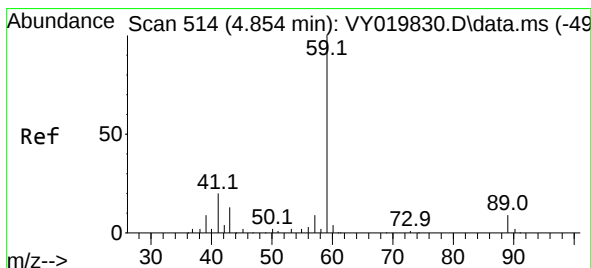
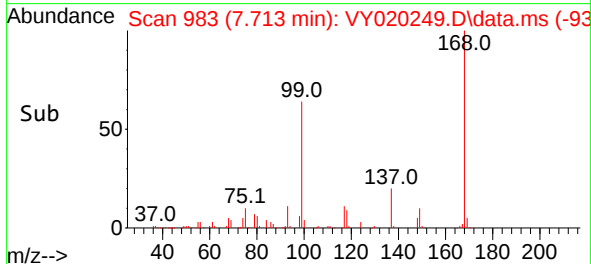
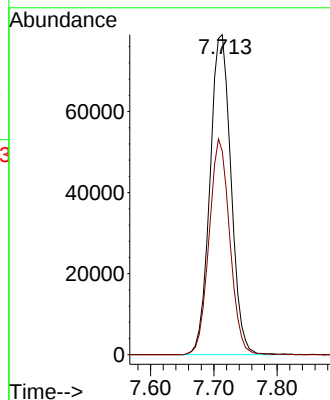
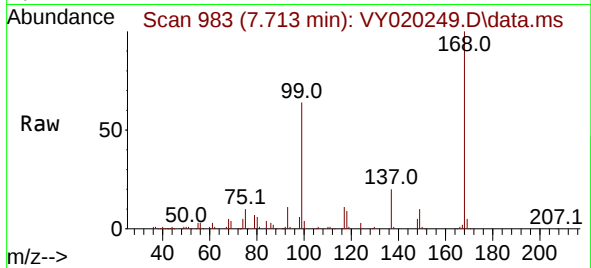




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

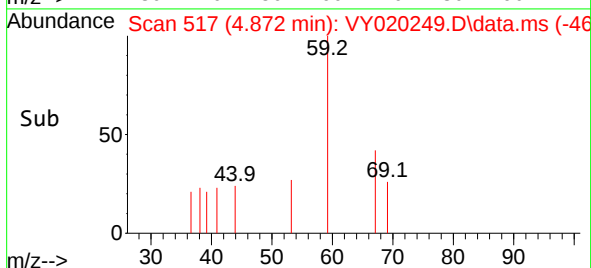
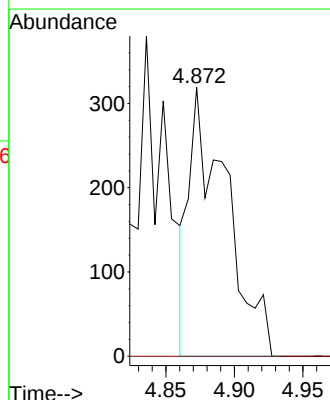
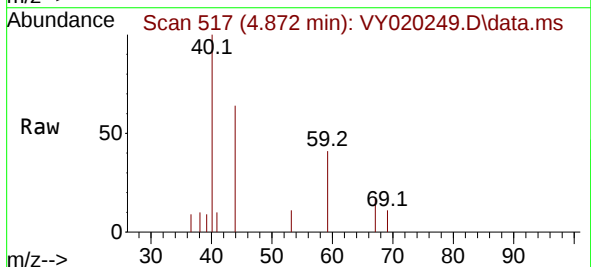
Instrument :
MSVOA_Y
ClientSampleId :

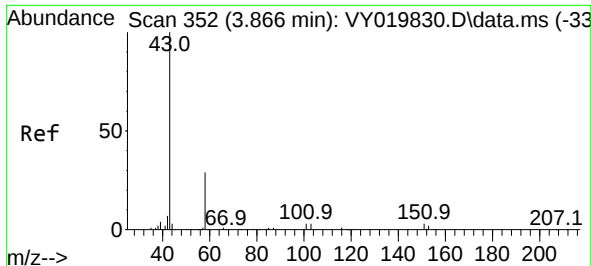
Tgt Ion:168 Resp: 182405
Ion Ratio Lower Upper
168 100
99 63.6 39.1 58.7#



#11
Tert butyl alcohol
Concen: 3.670 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

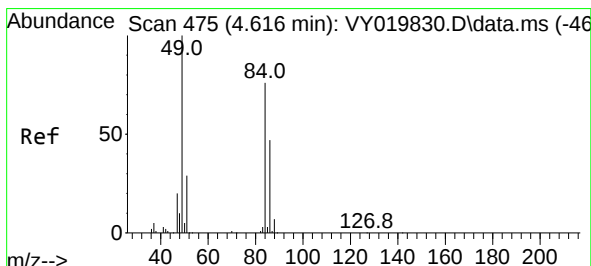
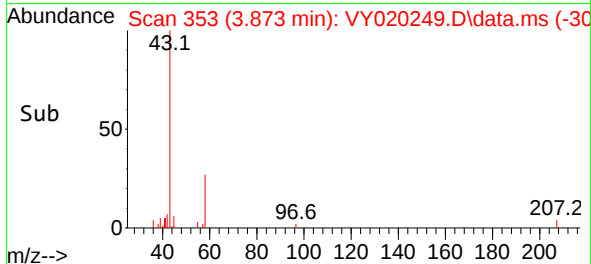
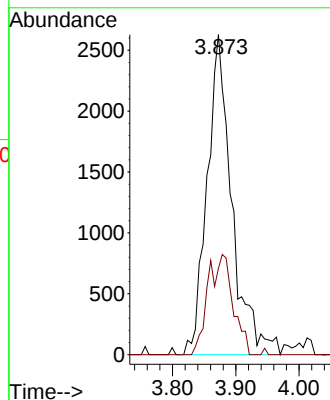
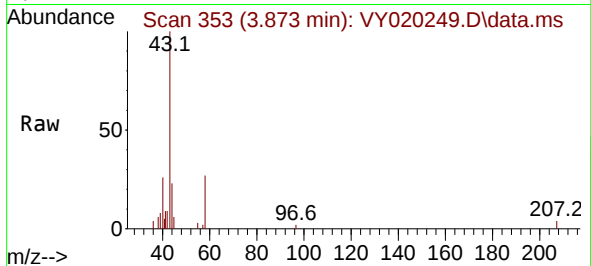




#16
Acetone
Concen: 13.522 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

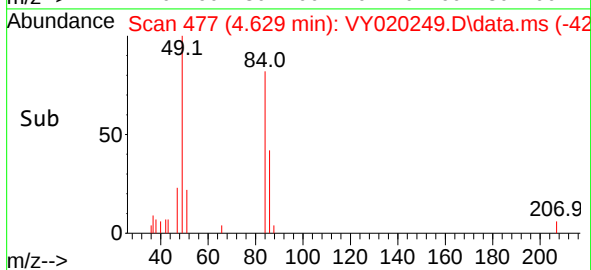
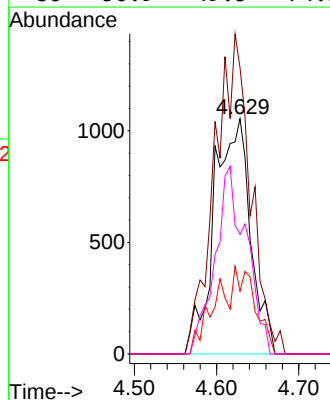
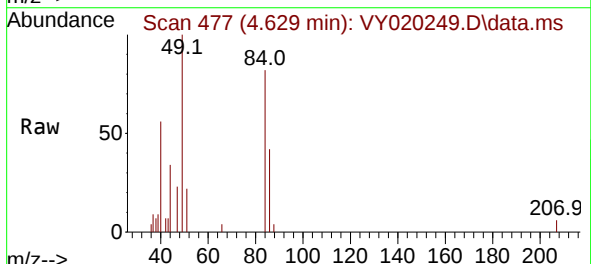
Instrument :
MSVOA_Y
ClientSampleId :

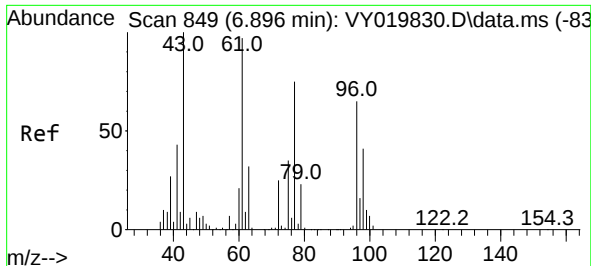
Tgt Ion: 43 Resp: 7159
Ion Ratio Lower Upper
43 100
58 27.0 31.7 47.5#



#20
Methylene Chloride
Concen: 1.362 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 84 Resp: 3240
Ion Ratio Lower Upper
84 100
49 121.6 84.4 126.6
51 26.8 26.0 39.0
86 50.9 49.5 74.3





#25

2-Butanone

Concen: 2.631 ug/l

RT: 6.903 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

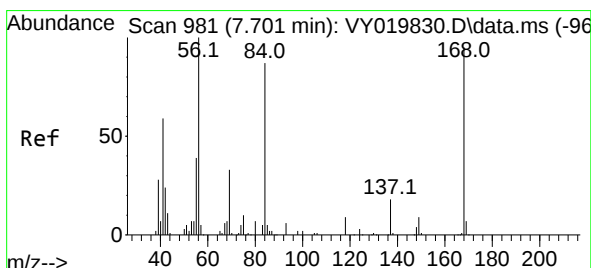
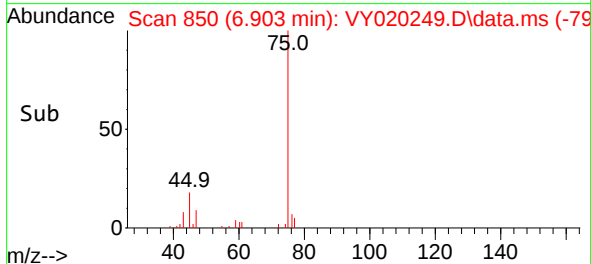
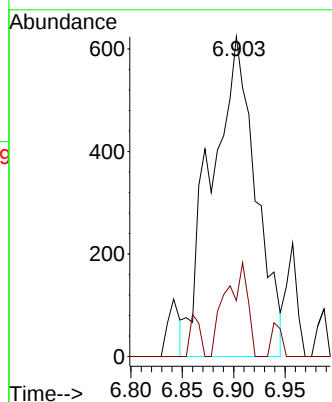
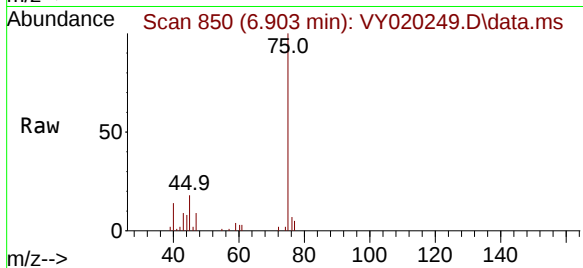
ClientSampleId :

Tgt Ion: 43 Resp: 1888

Ion Ratio Lower Upper

43 100

72 19.7 27.3 40.9#



#31

Cyclohexane

Concen: 1.569 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.013 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

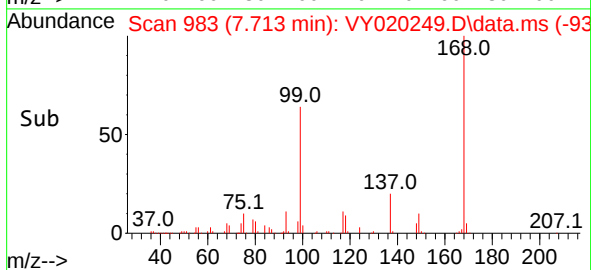
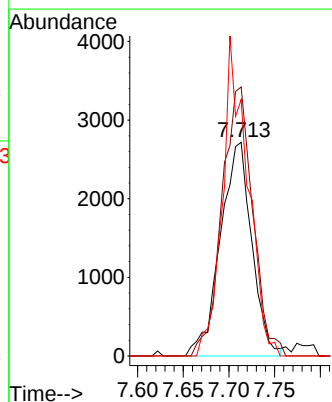
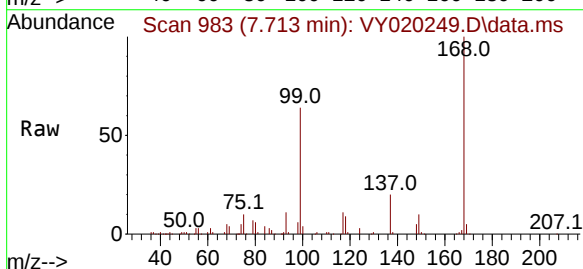
Tgt Ion: 56 Resp: 6484

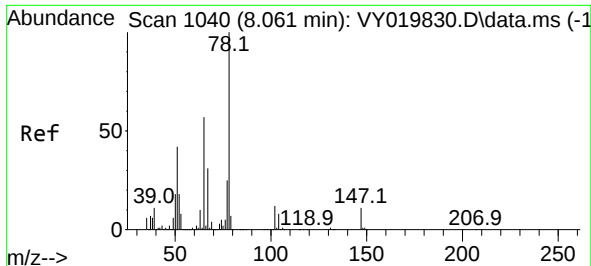
Ion Ratio Lower Upper

56 100

69 125.8 28.7 43.1#

84 120.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 60.816 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

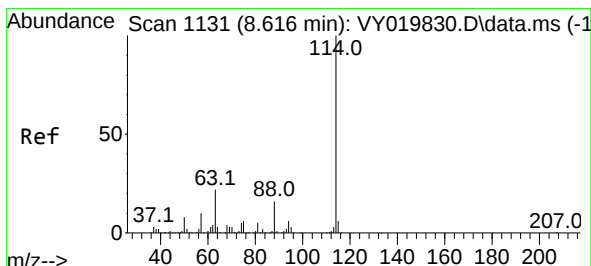
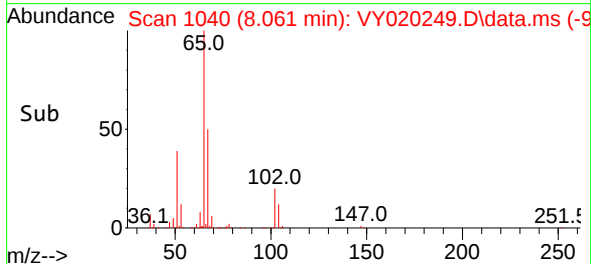
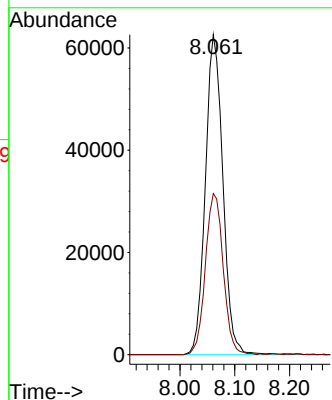
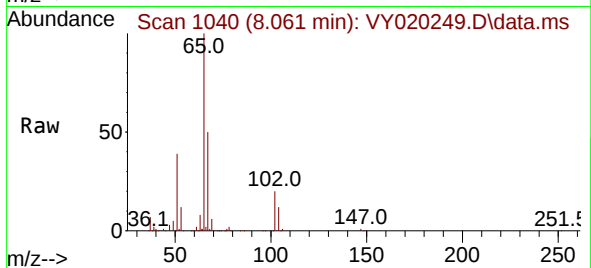
ClientSampleId :

Tgt Ion: 65 Resp: 138450

Ion Ratio Lower Upper

65 100

67 51.4 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: VY020249.D

Acq: 11 Nov 2024 15:35

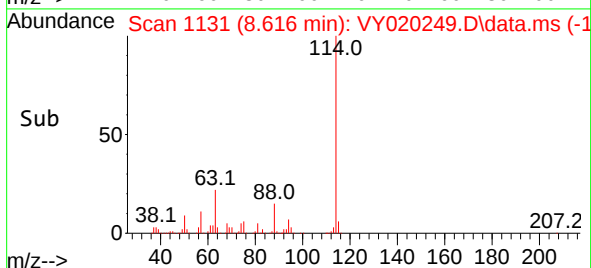
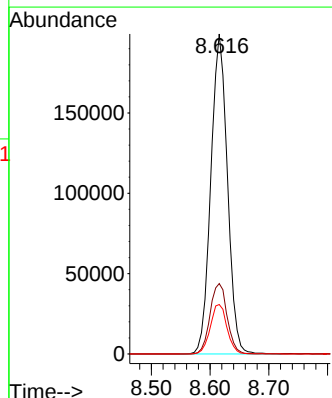
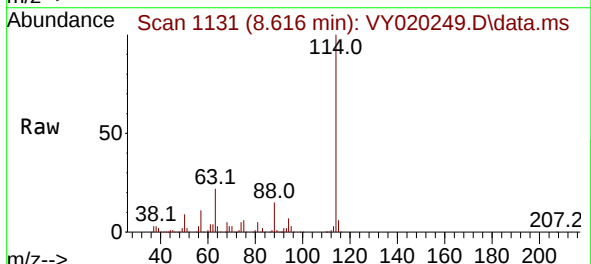
Tgt Ion: 114 Resp: 389693

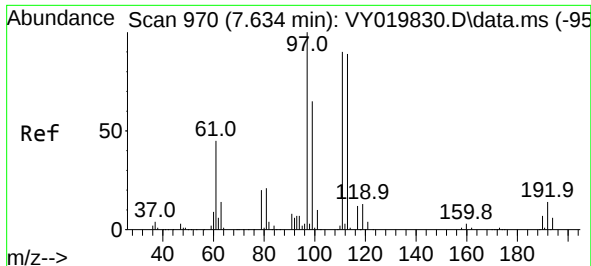
Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.0

88 15.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.259 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

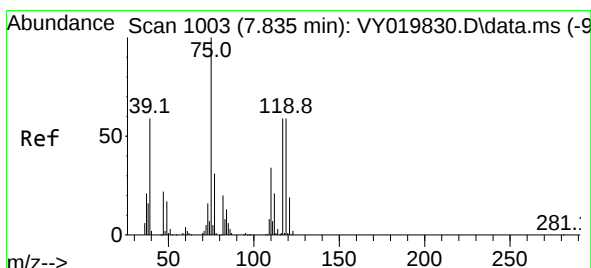
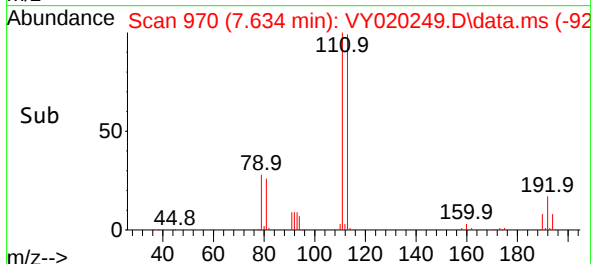
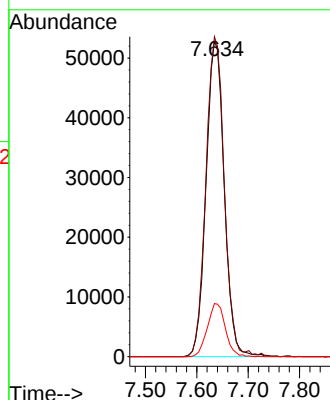
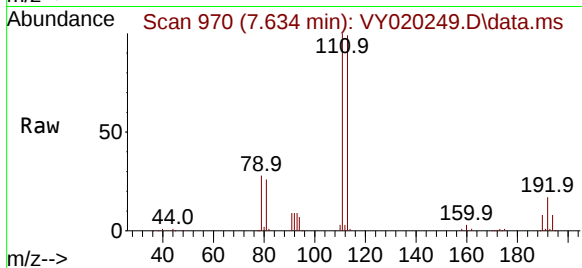
Tgt Ion:113 Resp: 129480

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 16.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

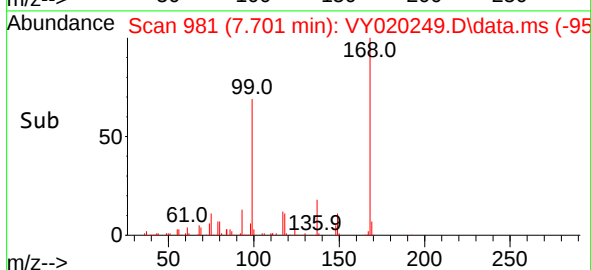
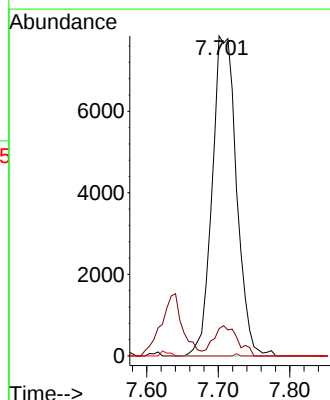
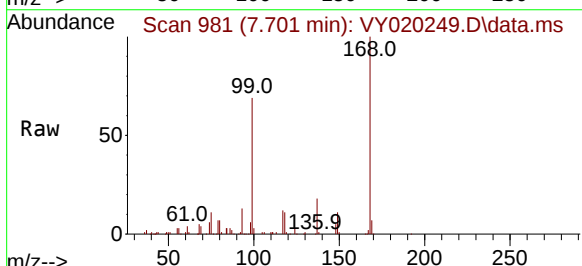
Tgt Ion: 75 Resp: 18576

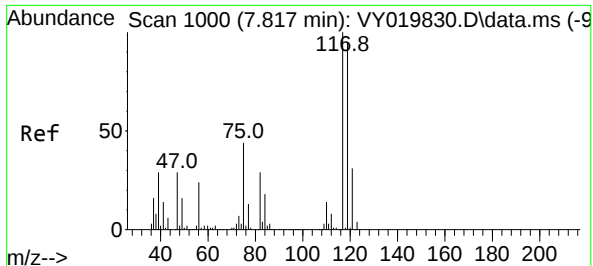
Ion Ratio Lower Upper

75 100

110 9.4 19.0 57.0#

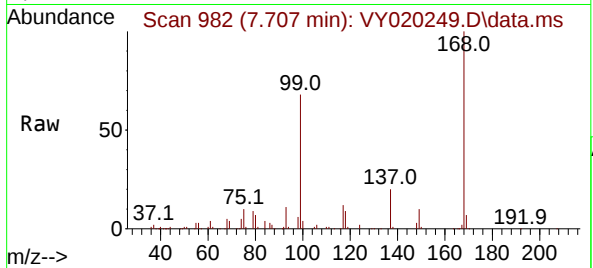
77 0.0 25.3 37.9#



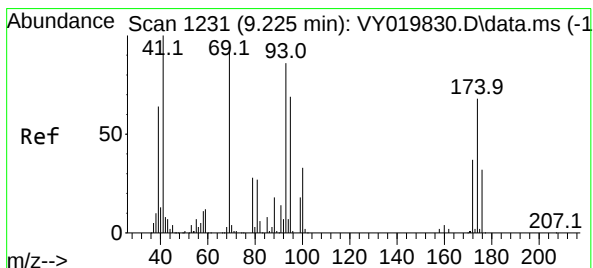
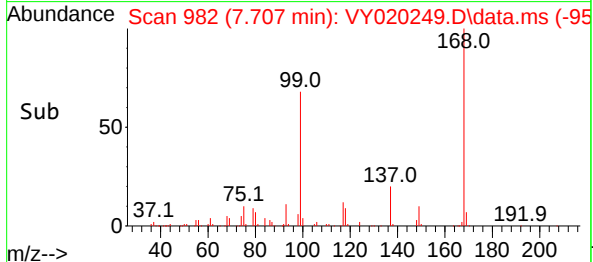
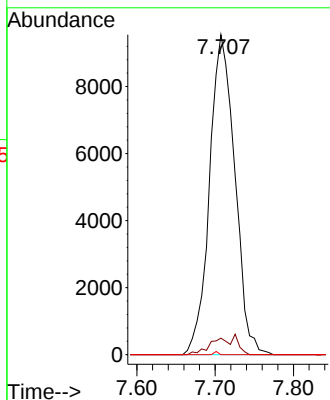


#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :

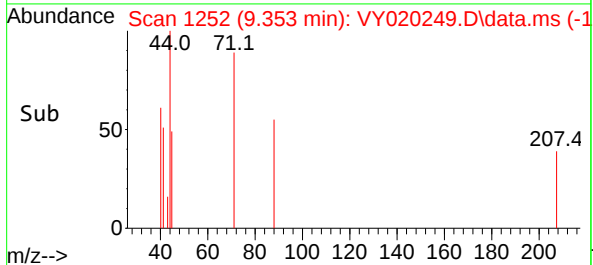
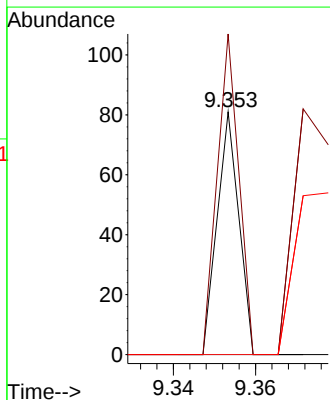
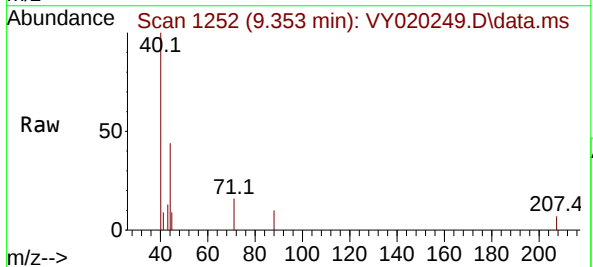


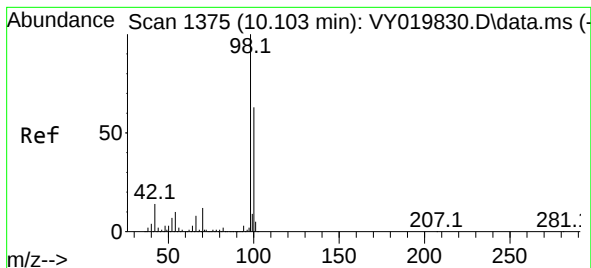
Tgt Ion:117 Resp: 21415
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 2.012 ug/l
RT: 9.353 min Scan# 1252
Delta R.T. 0.122 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 130.0 0.0 0.0#
58 0.0 49.3 73.9#





#50

Toluene-d8

Concen: 50.553 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

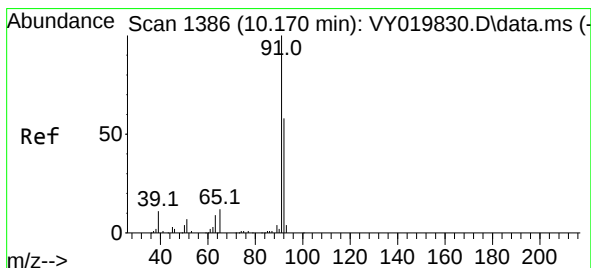
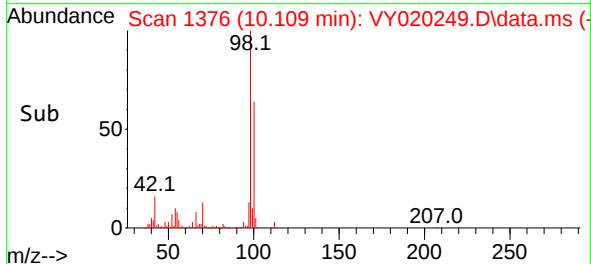
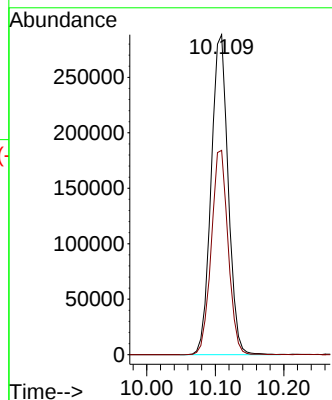
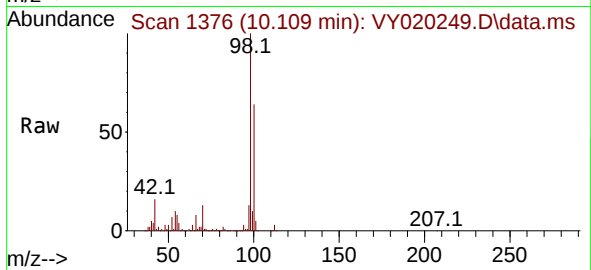
ClientSampleId :

Tgt Ion: 98 Resp: 498571

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0



#52

Toluene

Concen: 1.535 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020249.D

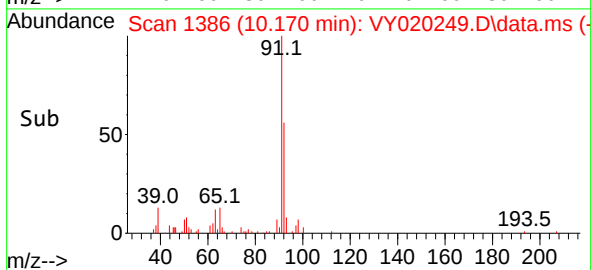
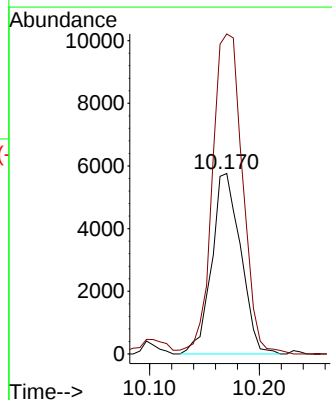
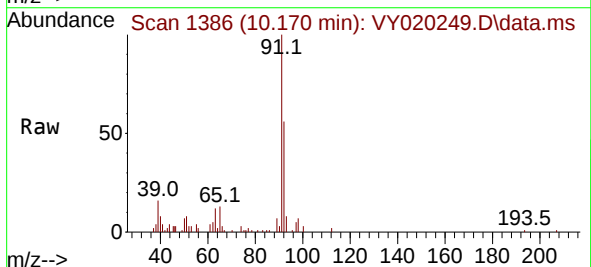
Acq: 11 Nov 2024 15:35

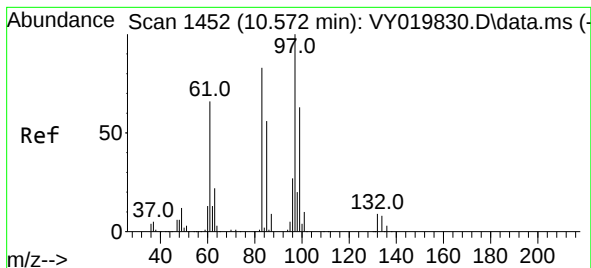
Tgt Ion: 92 Resp: 10572

Ion Ratio Lower Upper

92 100

91 184.3 139.0 208.6





#55

1,1,2-Trichloroethane

Concen: 16.209 ug/l

RT: 10.542 min Scan# 1447

Delta R.T. -0.030 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 97 Resp: 29188

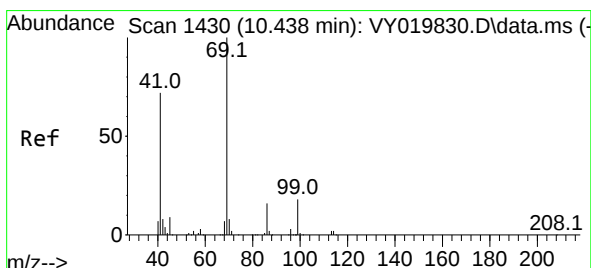
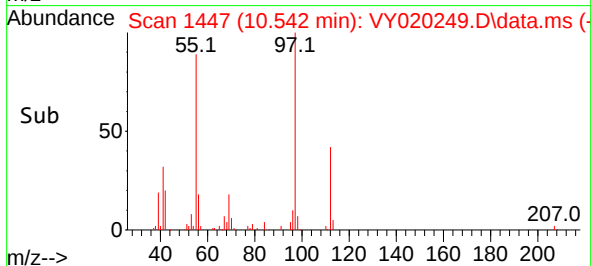
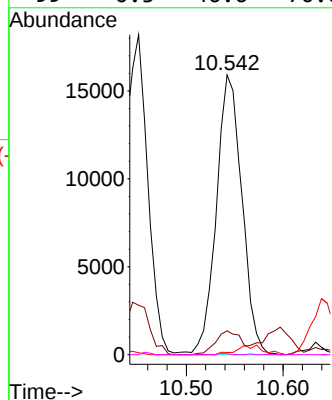
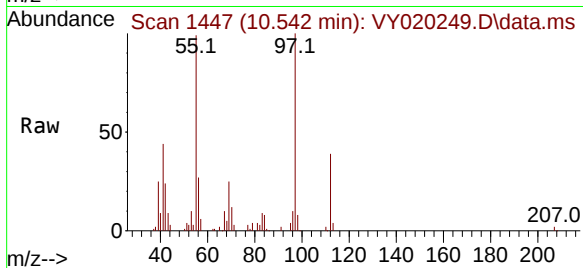
Ion Ratio Lower Upper

97 100

83 8.5 67.5 101.3#

85 0.8 42.9 64.3#

99 0.3 46.6 70.0#



#56

Ethyl methacrylate

Concen: 3.798 ug/l

RT: 10.445 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

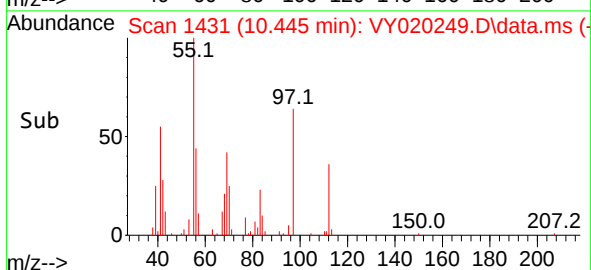
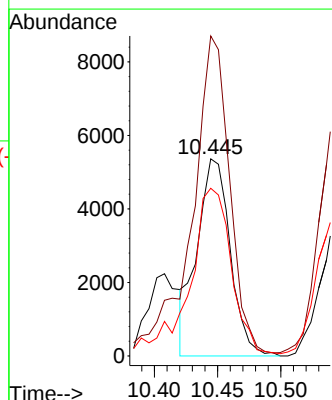
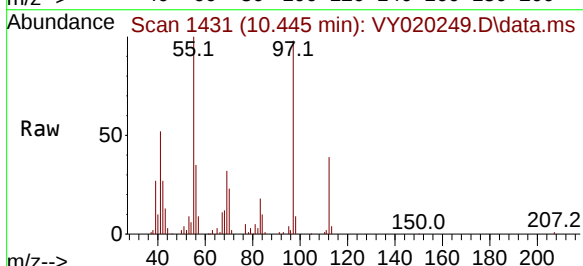
Tgt Ion: 69 Resp: 9809

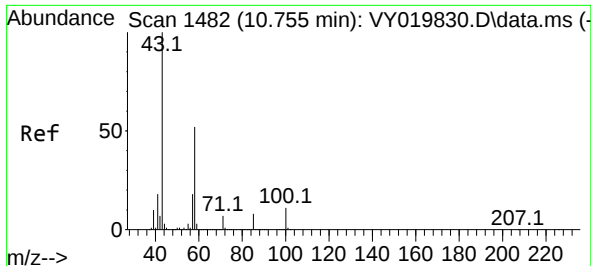
Ion Ratio Lower Upper

69 100

41 180.5 42.3 63.5#

39 103.8 22.9 34.3#

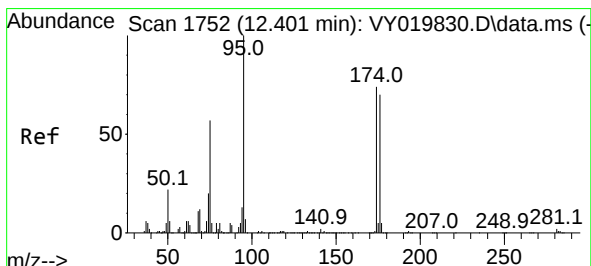
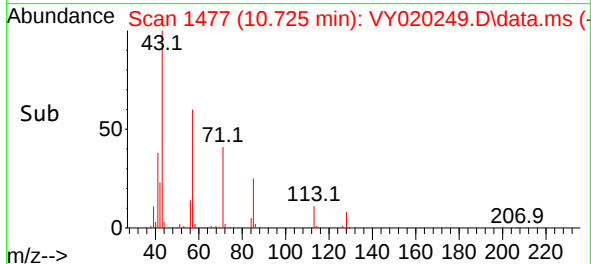
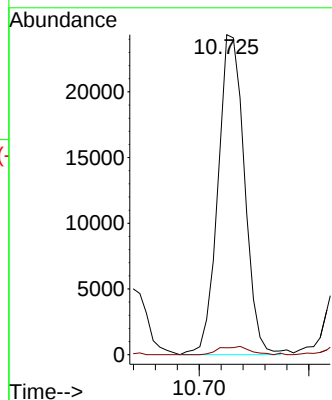
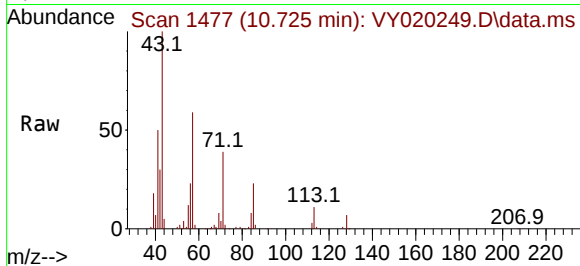




#59
2-Hexanone
Concen: 31.563 ug/l
RT: 10.725 min Scan# 1482
Delta R.T. -0.036 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

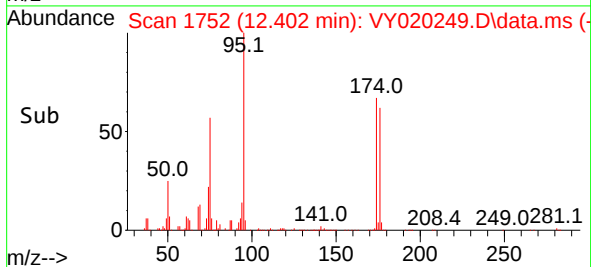
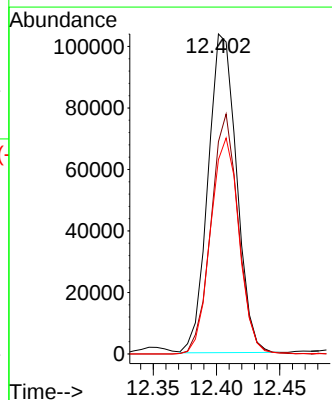
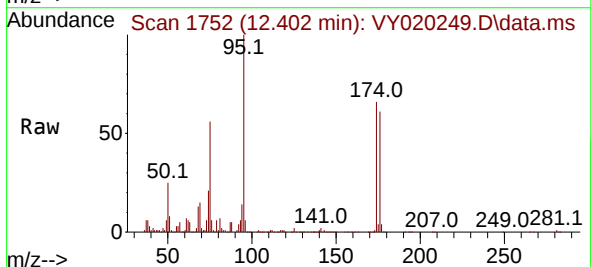
Instrument :
MSVOA_Y
ClientSampleId :

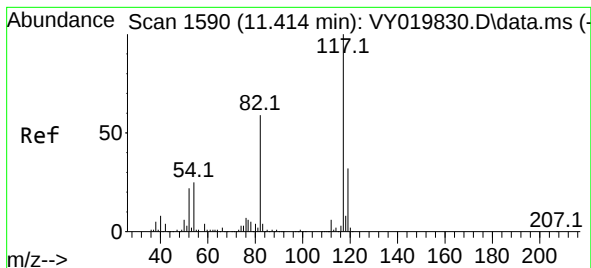
Tgt Ion: 43 Resp: 40914
Ion Ratio Lower Upper
43 100
58 3.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 50.787 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 95 Resp: 162690
Ion Ratio Lower Upper
95 100
174 72.2 0.0 175.6
176 68.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

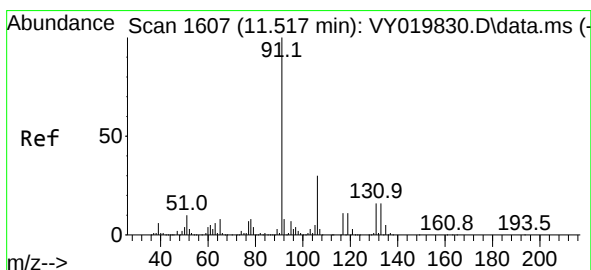
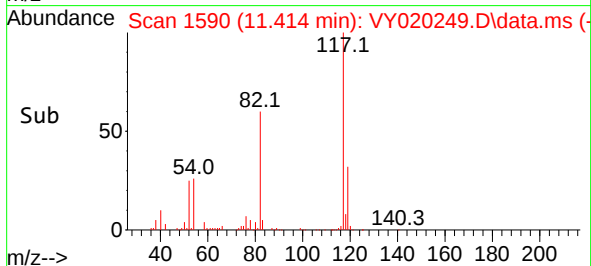
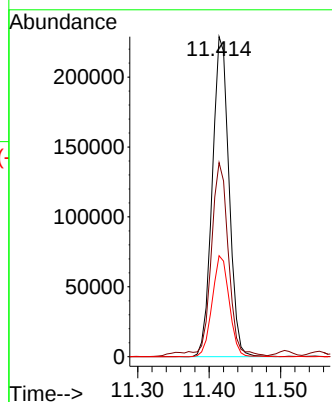
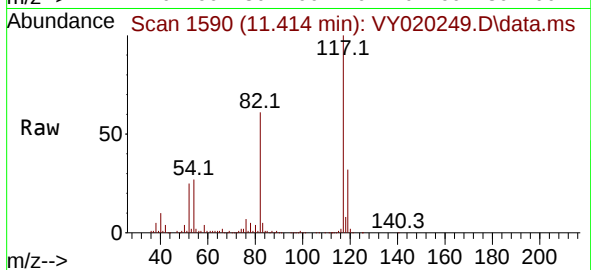
Tgt Ion:117 Resp: 371704

Ion Ratio Lower Upper

117 100

82 59.3 42.4 63.6

119 31.5 25.9 38.9



#67

Ethyl Benzene

Concen: 29.675 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020249.D

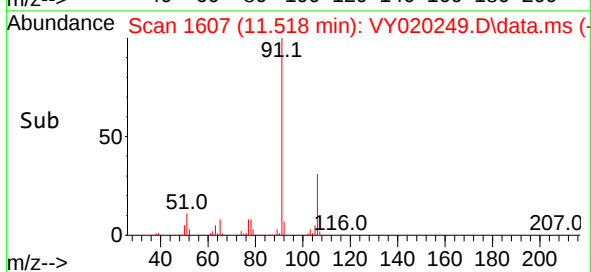
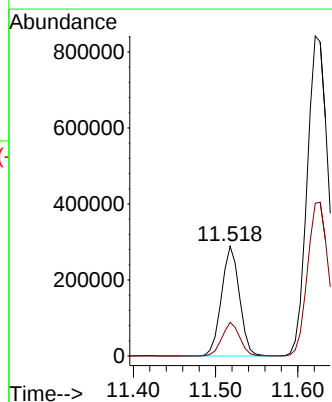
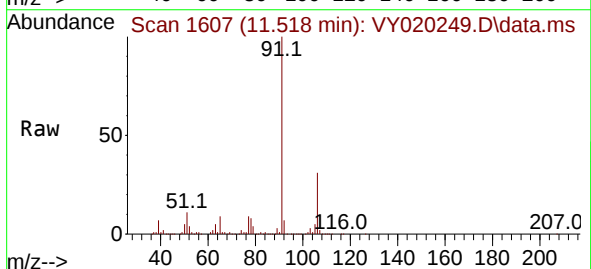
Acq: 11 Nov 2024 15:35

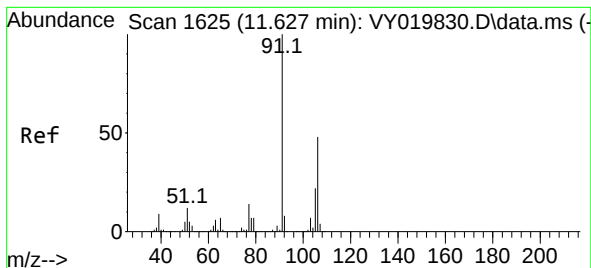
Tgt Ion: 91 Resp: 439351

Ion Ratio Lower Upper

91 100

106 30.6 24.5 36.7

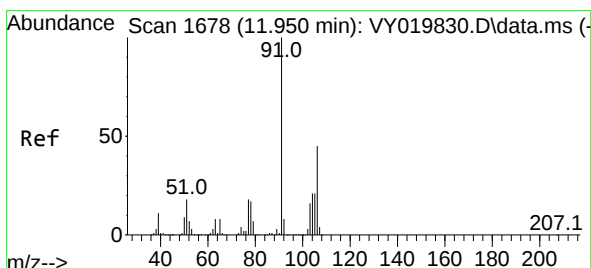
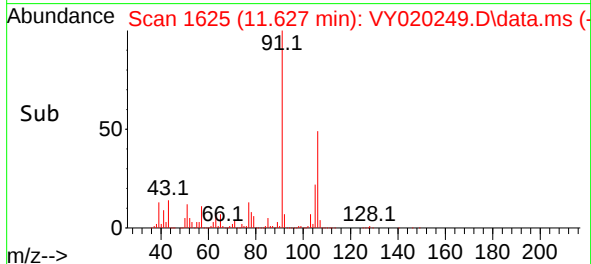
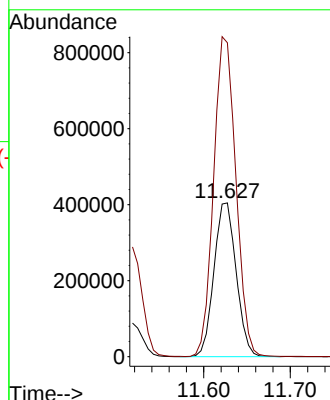
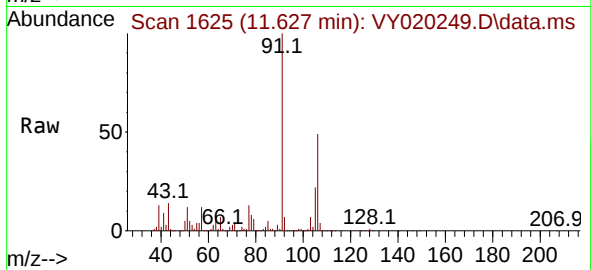




#68
m/p-Xylenes
Concen: 132.927 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

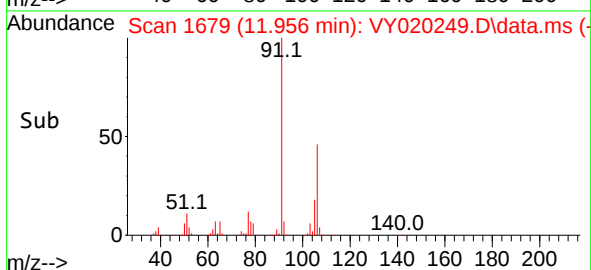
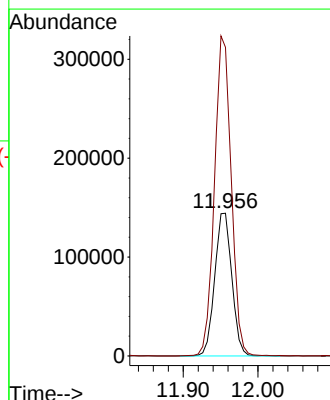
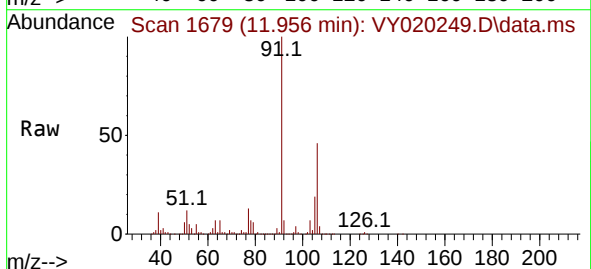
Instrument :
MSVOA_Y
ClientSampleId :

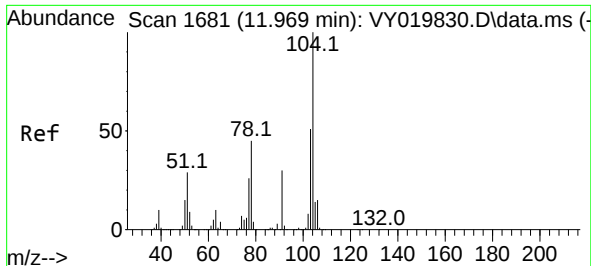
Tgt Ion:106 Resp: 720033
Ion Ratio Lower Upper
106 100
91 209.3 156.0 234.0



#69
o-Xylene
Concen: 44.867 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion:106 Resp: 230095
Ion Ratio Lower Upper
106 100
91 220.0 103.6 310.8

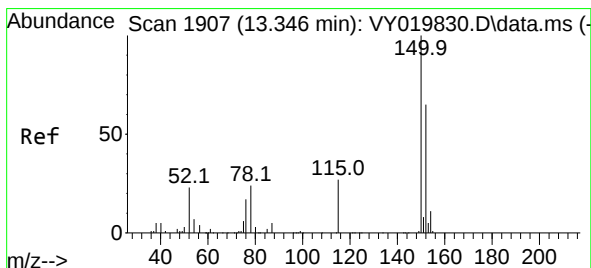
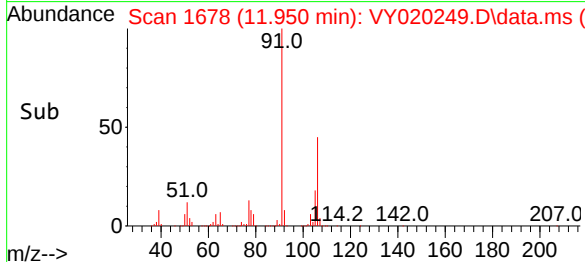
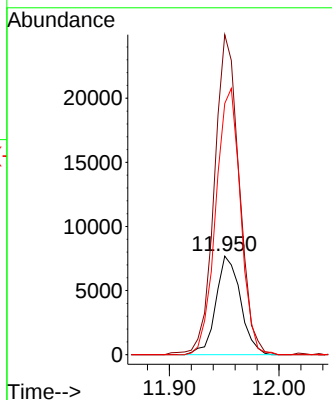
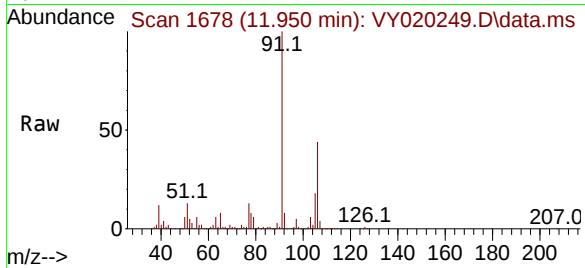




#70
Styrene
Concen: 1.417 ug/l
RT: 11.950 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

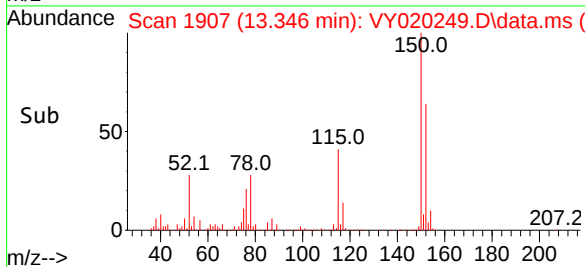
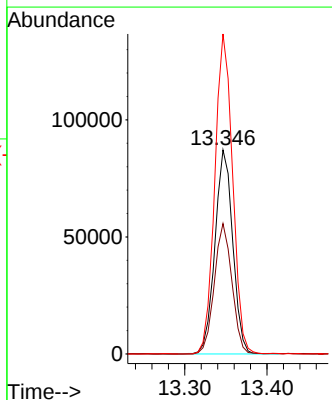
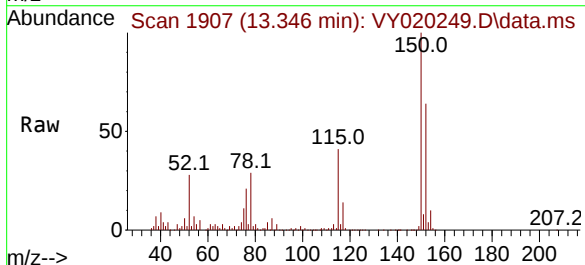
Instrument :
MSVOA_Y
ClientSampleId :

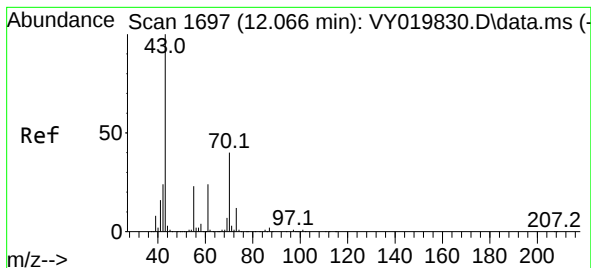
Tgt Ion:104 Resp: 12019
Ion Ratio Lower Upper
104 100
78 326.5 37.0 55.4#
103 270.9 44.2 66.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion:152 Resp: 131499
Ion Ratio Lower Upper
152 100
115 63.1 28.2 84.7
150 156.3 0.0 345.6





#74

N-amy1 acetate

Concen: 11.373 ug/l

RT: 12.048 min Scan# 1

Delta R.T. -0.024 min

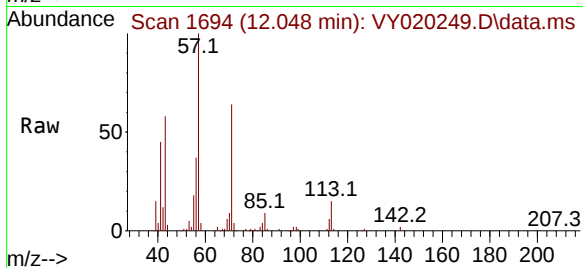
Lab File: VY020249.D

Acq: 11 Nov 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 29864

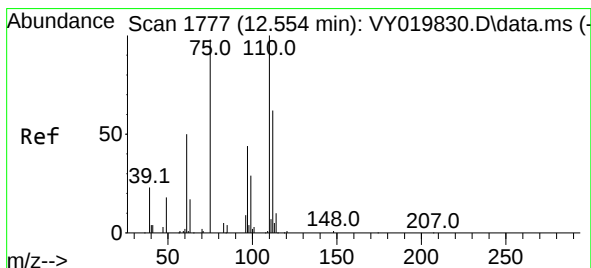
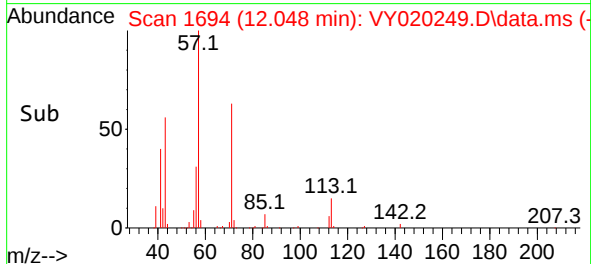
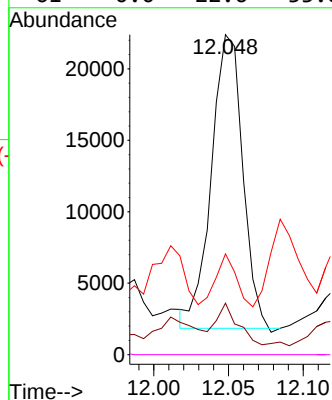
Ion Ratio Lower Upper

43 100

70 8.6 41.4 62.2#

55 14.4 23.3 34.9#

61 0.0 22.6 33.8#



#76

1,2,3-Trichloropropane

Concen: 77.315 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020249.D

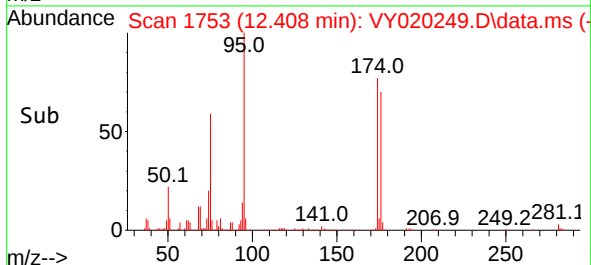
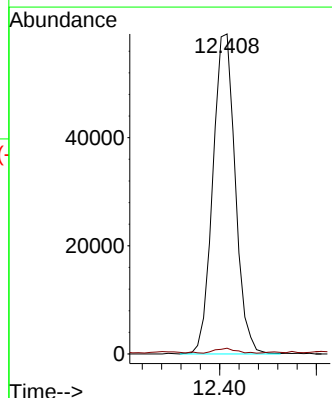
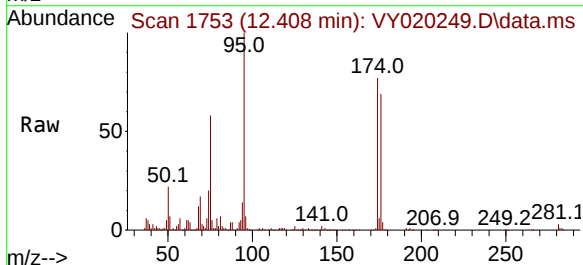
Acq: 11 Nov 2024 15:35

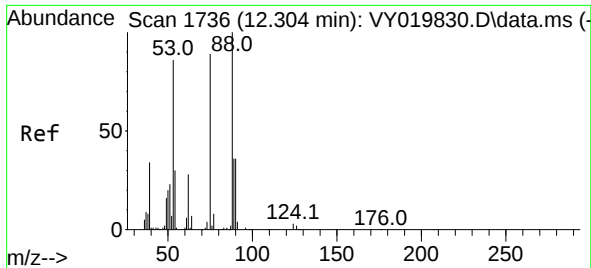
Tgt Ion: 75 Resp: 95303

Ion Ratio Lower Upper

75 100

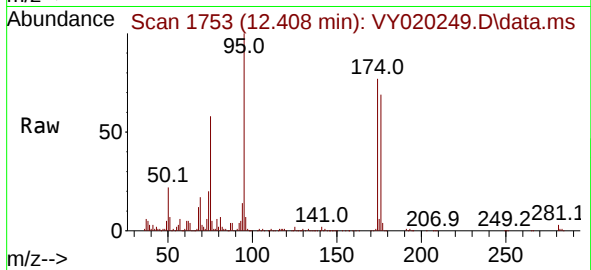
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 166.301 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.8	66.8	100.2#
89	0.3	35.8	53.6#

