

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020251.D
 Acq On : 11 Nov 2024 16:22
 Operator : SY/MD
 Sample : P4788-03
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 11 23:18:00 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)

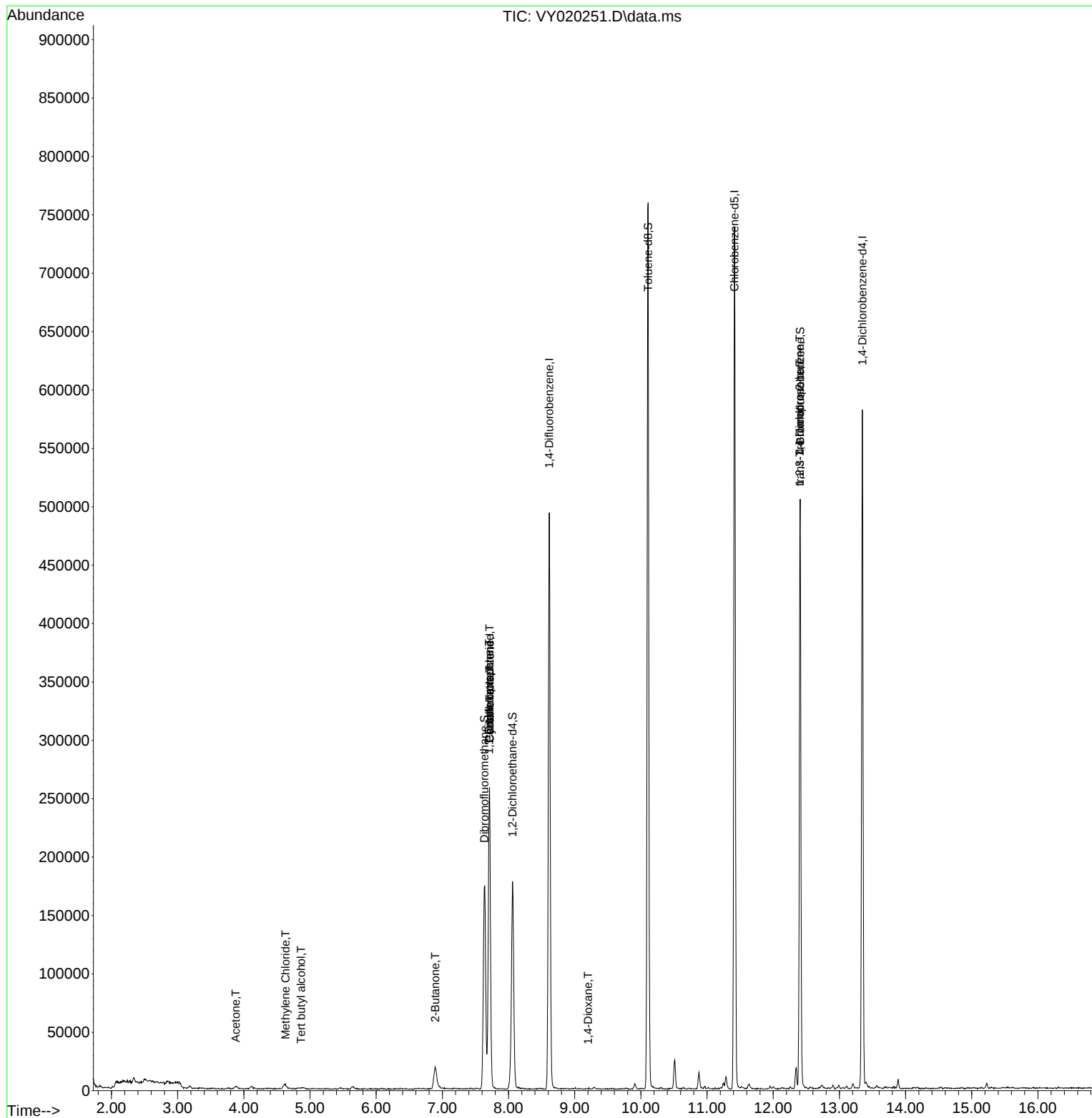
Internal Standards						
1) Pentafluorobenzene	7.713	168	176161	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	382066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	352320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128332	58.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.740%	
35) Dibromofluoromethane	7.634	113	124943	51.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.860%	
50) Toluene-d8	10.109	98	475150	49.140	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.408	95	147420	46.939	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 93.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	738	4.667	ug/l	# 88
16) Acetone	3.879	43	3981	7.786	ug/l	# 75
20) Methylene Chloride	4.628	84	3069	1.336	ug/l	# 77
25) 2-Butanone	6.890	43	2060	2.972	ug/l	# 71
31) Cyclohexane	7.713	56	5618	1.408	ug/l	# 45
36) 1,1-Dichloropropene	7.707	75	18141	4.834	ug/l	# 40
38) Carbon Tetrachloride	7.713	117	19854	5.261	ug/l	# 17
49) 1,4-Dioxane	9.201	88	46	3.147	ug/l	# 20
76) 1,2,3-Trichloropropane	12.401	75	87672	74.069	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	87672	159.319	ug/l	# 16

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

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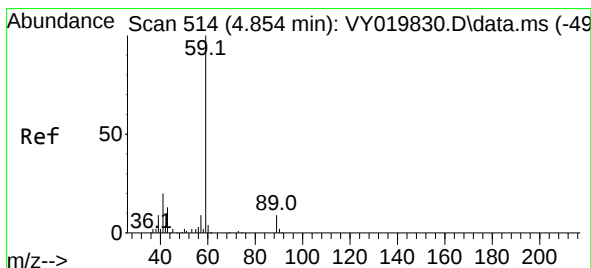
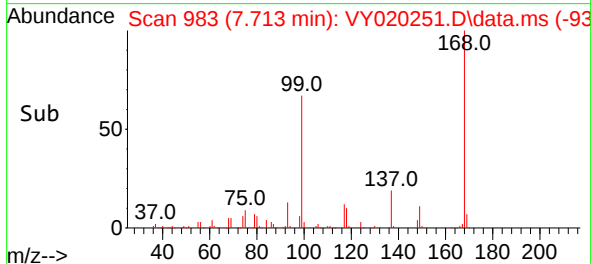
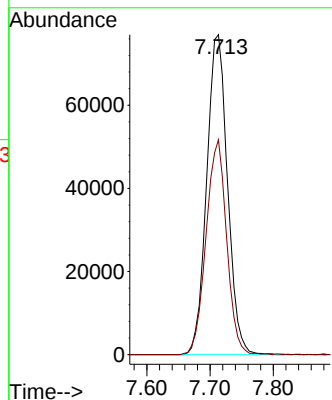
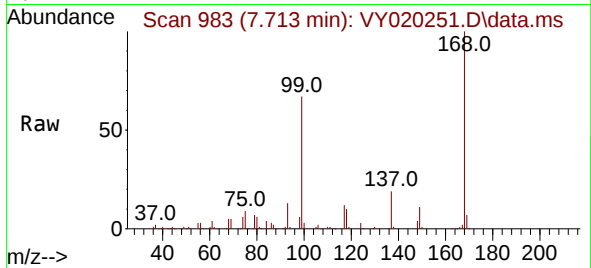




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

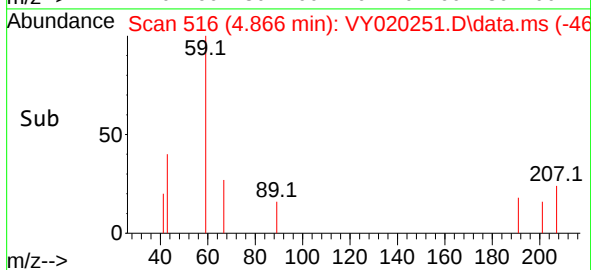
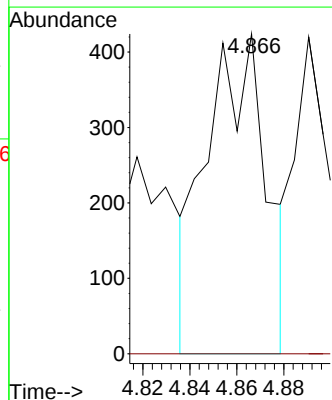
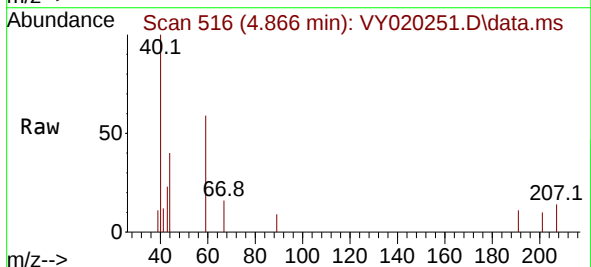
Instrument :
MSVOA_Y
ClientSampleId :

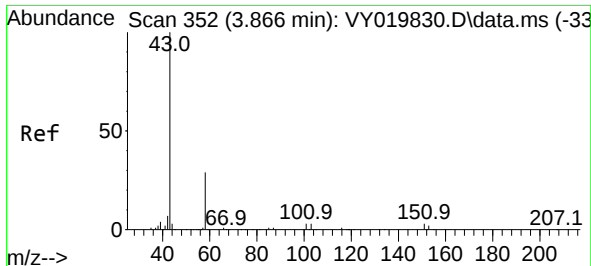
Tgt Ion:168 Resp: 176161
Ion Ratio Lower Upper
168 100
99 67.1 39.1 58.7#



#11
Tert butyl alcohol
Concen: 4.667 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

Tgt Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 7.786 ug/l

RT: 3.879 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY020251.D

Acq: 11 Nov 2024 16:22

Instrument :

MSVOA_Y

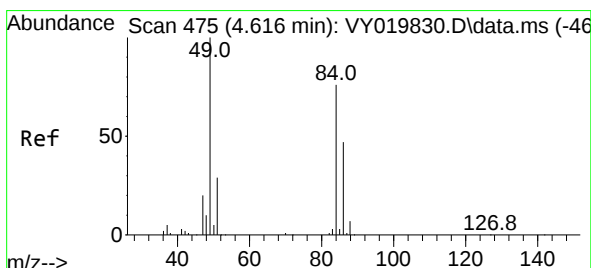
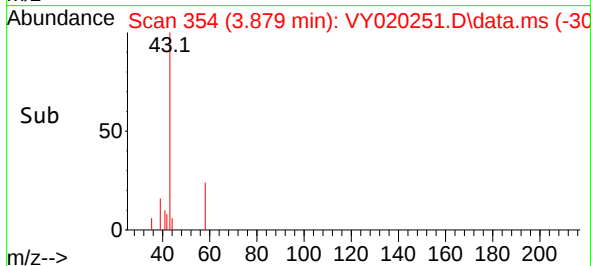
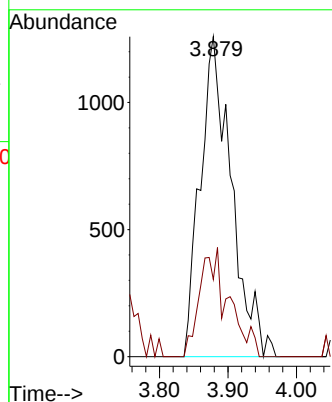
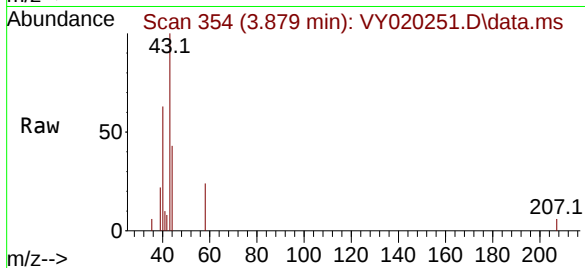
ClientSampleId :

Tgt Ion: 43 Resp: 3981

Ion Ratio Lower Upper

43 100

58 24.1 31.7 47.5#



#20

Methylene Chloride

Concen: 1.336 ug/l

RT: 4.628 min Scan# 477

Delta R.T. 0.012 min

Lab File: VY020251.D

Acq: 11 Nov 2024 16:22

Tgt Ion: 84 Resp: 3069

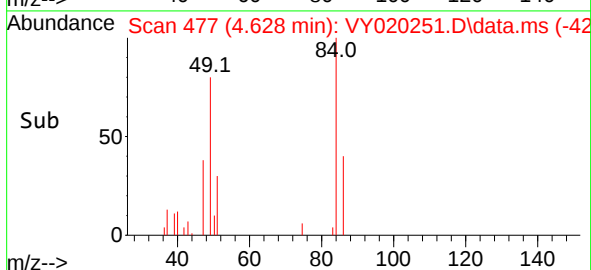
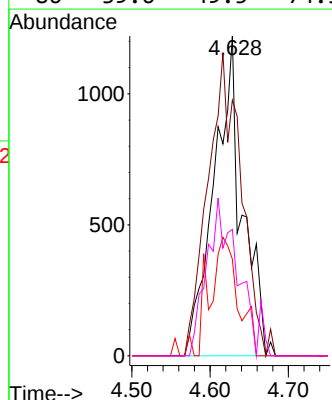
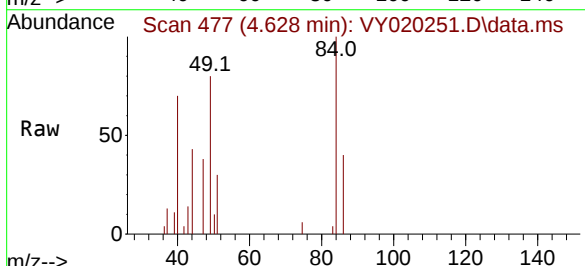
Ion Ratio Lower Upper

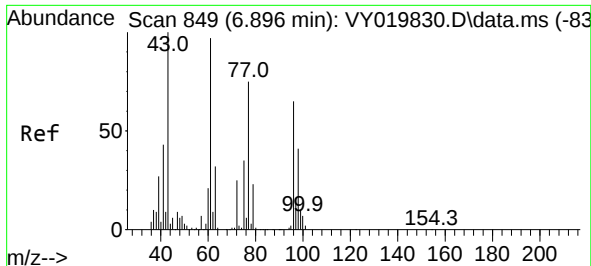
84 100

49 79.9 84.4 126.6#

51 30.2 26.0 39.0

86 39.6 49.5 74.3#

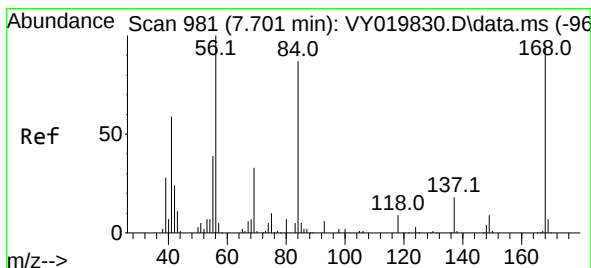
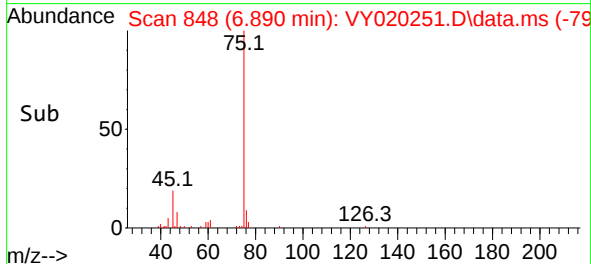
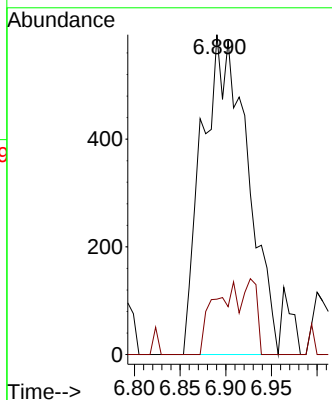
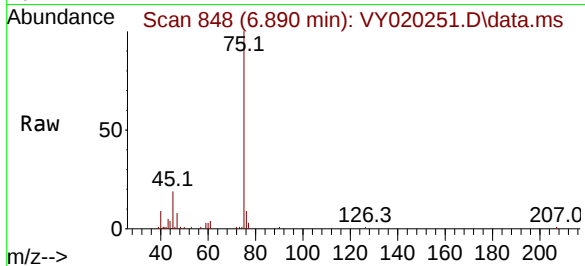




#25
2-Butanone
Concen: 2.972 ug/l
RT: 6.890 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

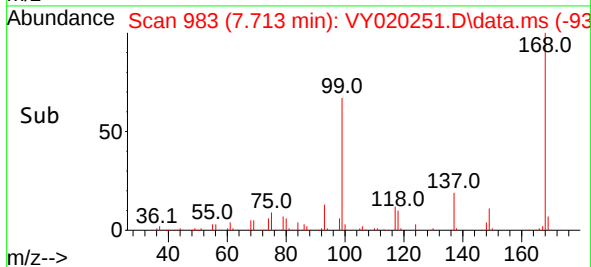
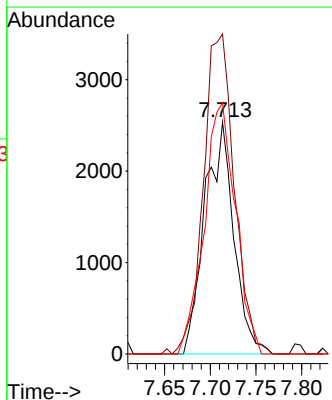
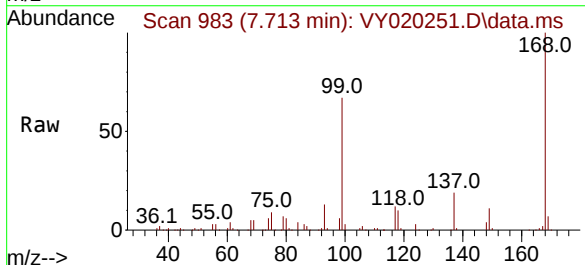
Instrument :
MSVOA_Y
ClientSampleId :

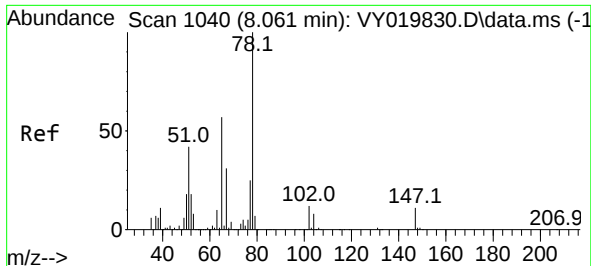
Tgt Ion: 43 Resp: 2060
Ion Ratio Lower Upper
43 100
72 17.3 27.3 40.9#



#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

Tgt Ion: 56 Resp: 5618
Ion Ratio Lower Upper
56 100
69 138.1 28.7 43.1#
84 108.4 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 58.370 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020251.D

Acq: 11 Nov 2024 16:22

Instrument :

MSVOA_Y

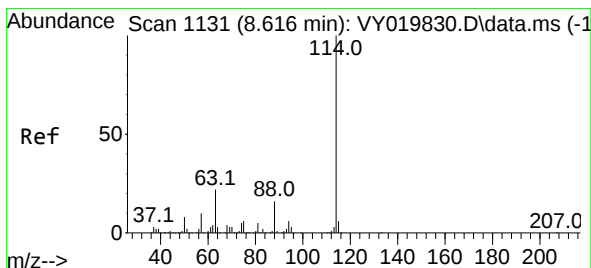
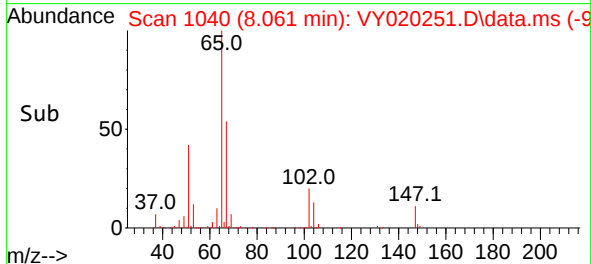
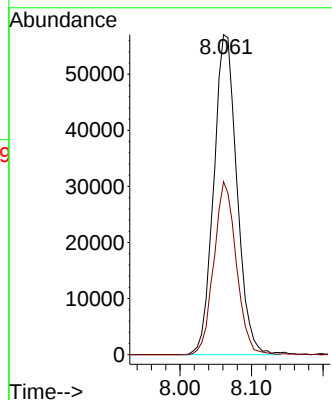
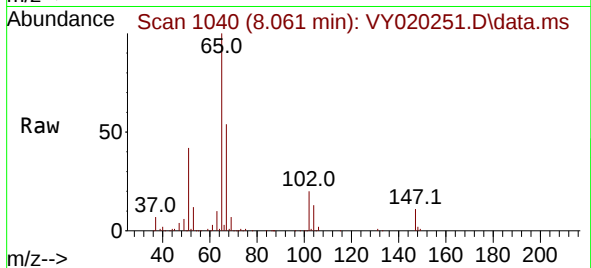
ClientSampleId :

Tgt Ion: 65 Resp: 128332

Ion Ratio Lower Upper

65 100

67 52.2 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: VY020251.D

Acq: 11 Nov 2024 16:22

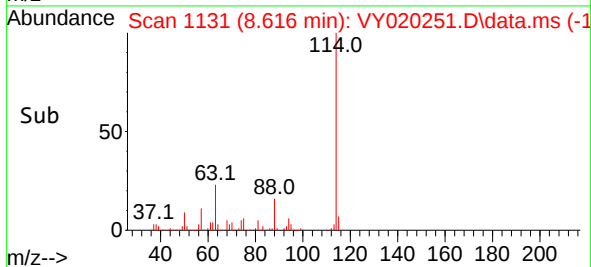
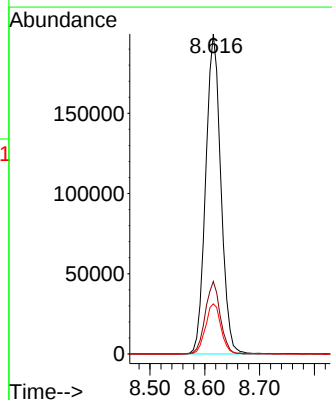
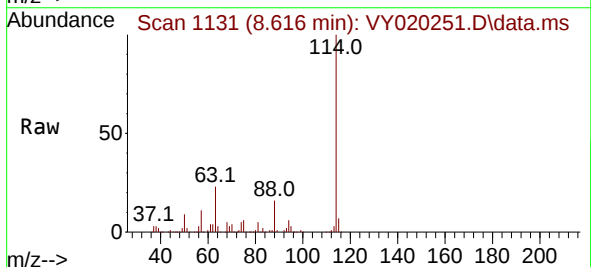
Tgt Ion: 114 Resp: 382066

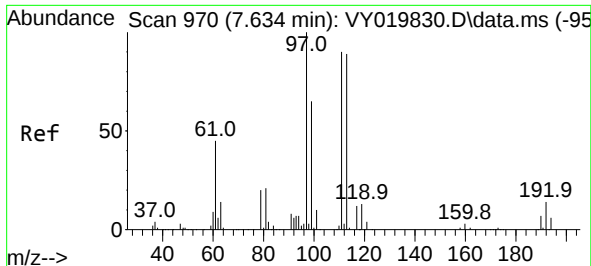
Ion Ratio Lower Upper

114 100

63 22.6 0.0 35.0

88 15.7 0.0 27.2

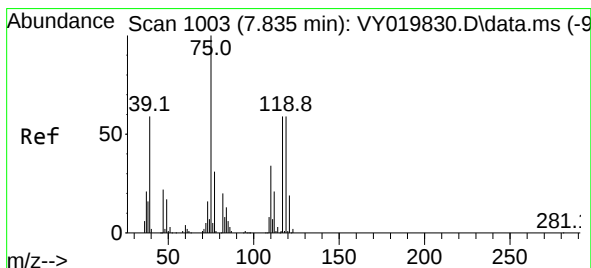
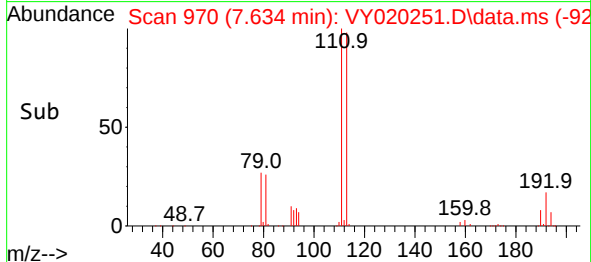
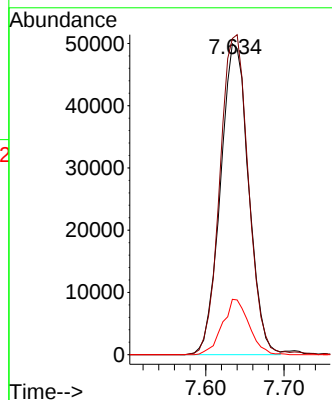
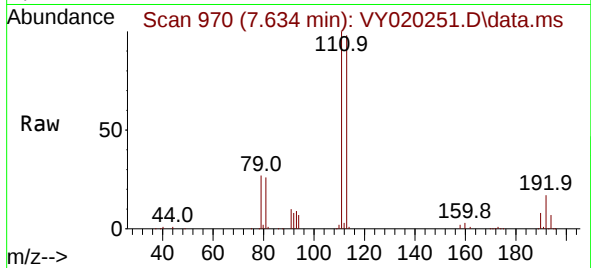




#35
Dibromofluoromethane
Concen: 51.435 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

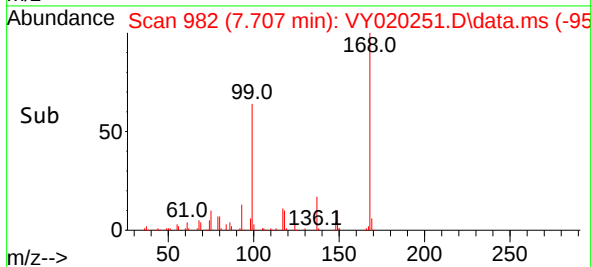
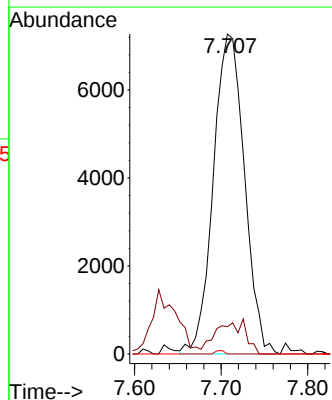
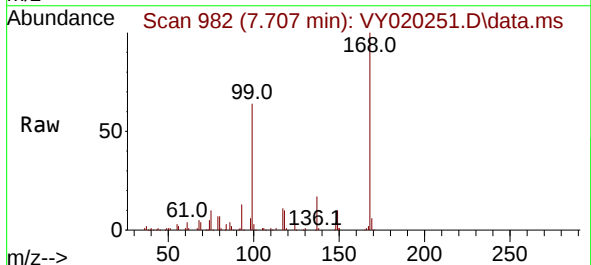
Instrument :
MSVOA_Y
ClientSampleId :

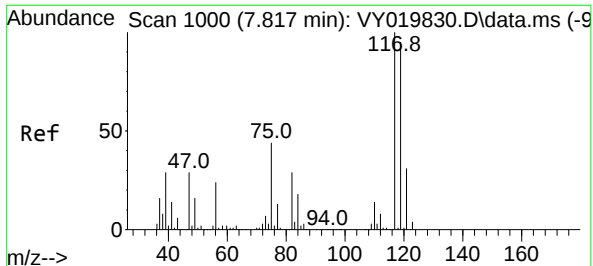
Tgt Ion:113 Resp: 124943
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.4
192 16.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

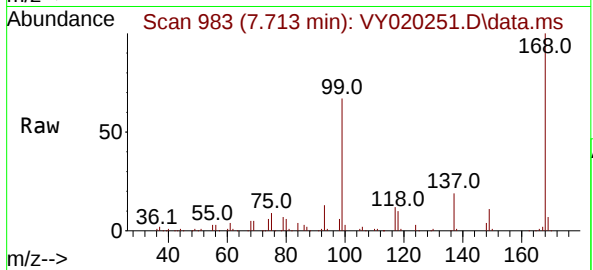
Tgt Ion: 75 Resp: 18141
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.3 25.3 37.9#



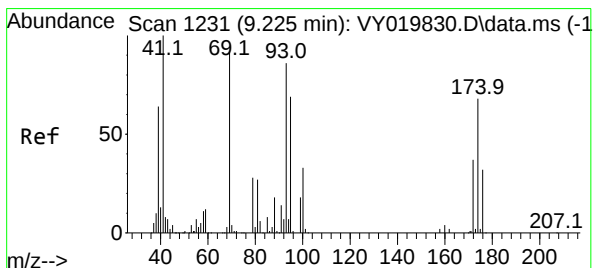
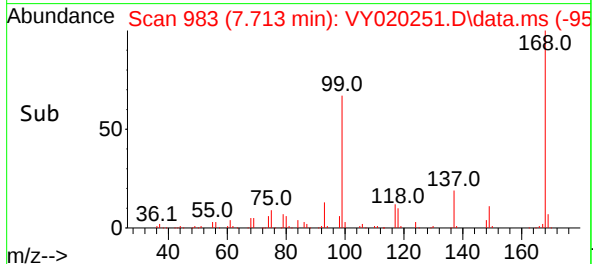
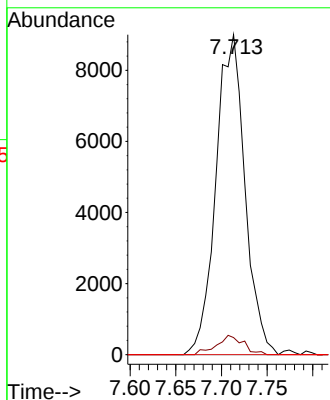


#38
Carbon Tetrachloride
Concen: 5.261 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

Instrument :
MSVOA_Y
ClientSampleId :

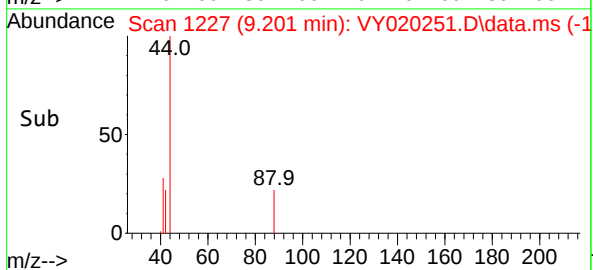
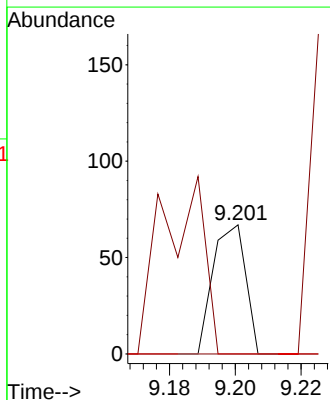
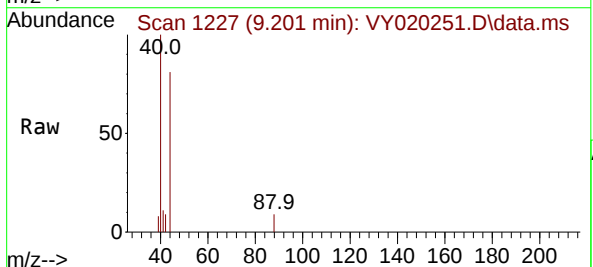


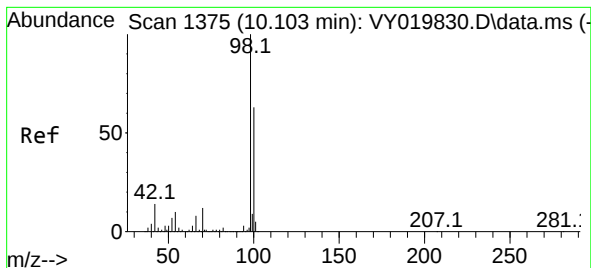
Tgt Ion:117 Resp: 19854
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 3.147 ug/l
RT: 9.201 min Scan# 1227
Delta R.T. -0.030 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 178.3 0.0 0.0#
58 0.0 49.3 73.9#

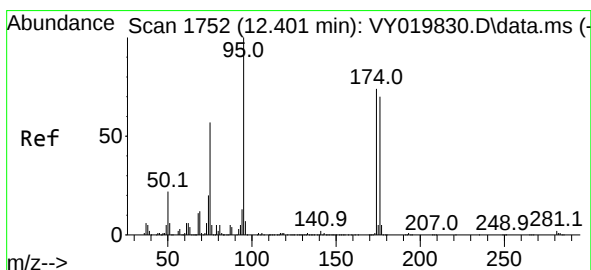
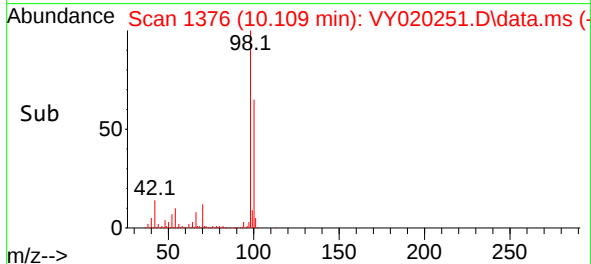
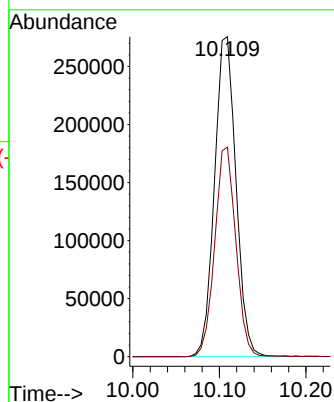
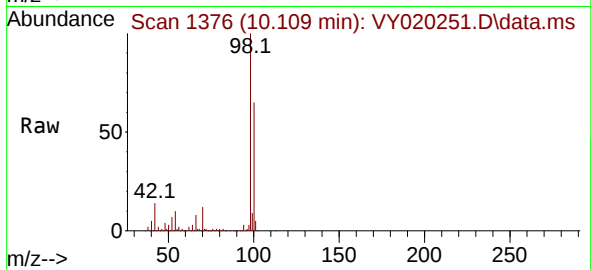




#50
Toluene-d8
Concen: 49.140 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

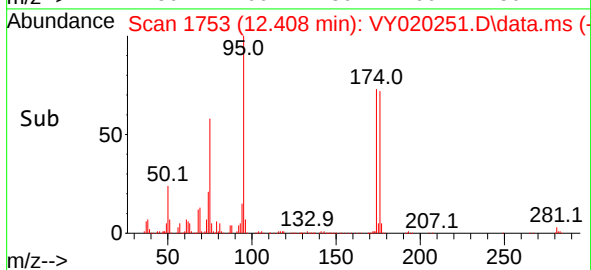
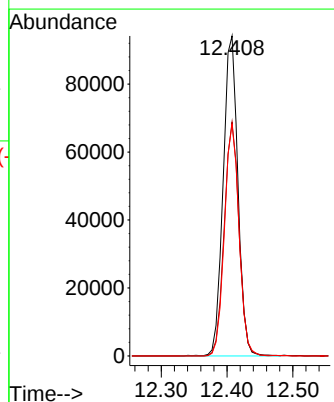
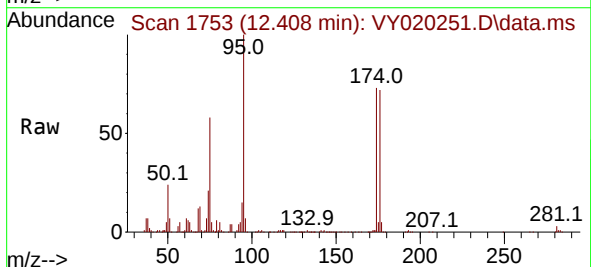
Instrument :
MSVOA_Y
ClientSampleId :

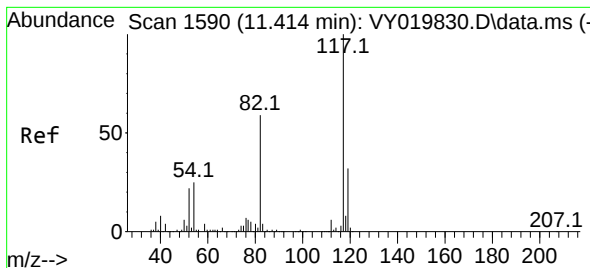
Tgt Ion: 98 Resp: 475150
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.939 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

Tgt Ion: 95 Resp: 147420
Ion Ratio Lower Upper
95 100
174 73.0 0.0 175.6
176 71.4 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: VY020251.D

Acq: 11 Nov 2024 16:22

Instrument :

MSVOA_Y

ClientSampleId :

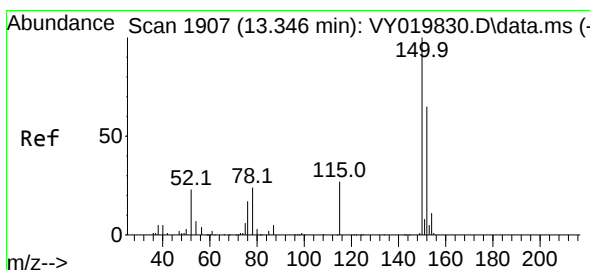
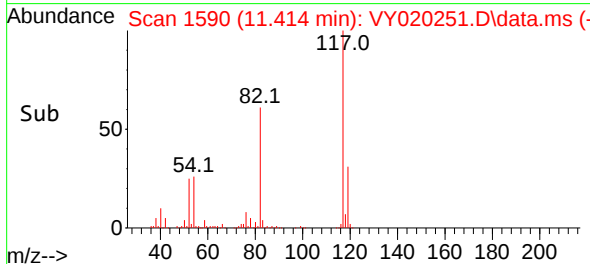
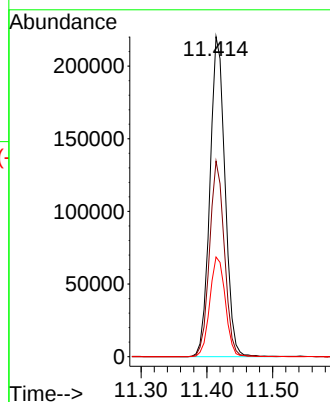
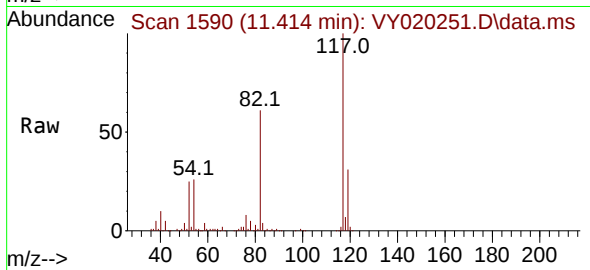
Tgt Ion:117 Resp: 352320

Ion Ratio Lower Upper

117 100

82 61.1 42.4 63.6

119 31.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020251.D

Acq: 11 Nov 2024 16:22

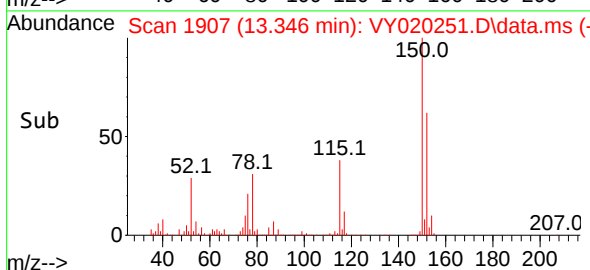
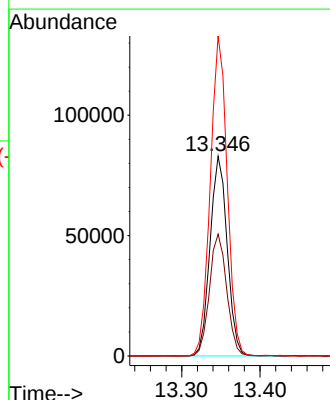
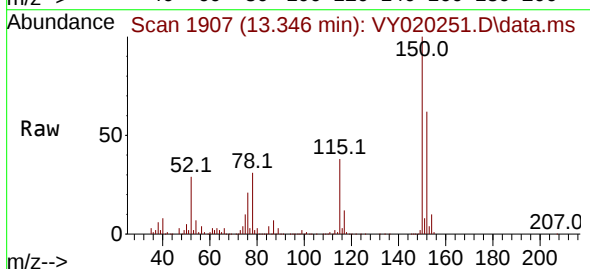
Tgt Ion:152 Resp: 126271

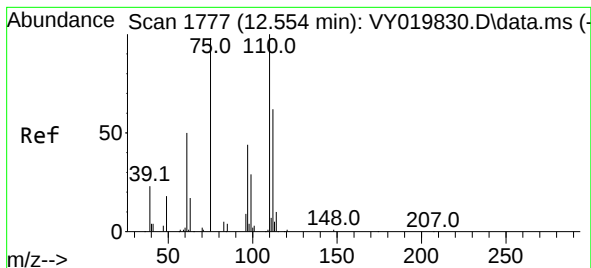
Ion Ratio Lower Upper

152 100

115 61.4 28.2 84.7

150 157.7 0.0 345.6

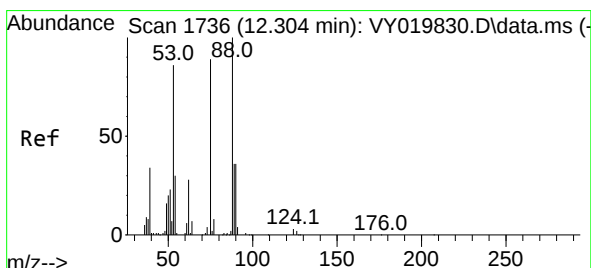
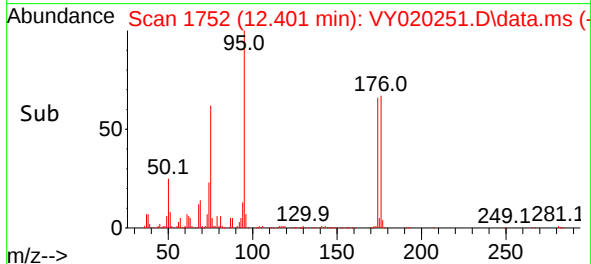
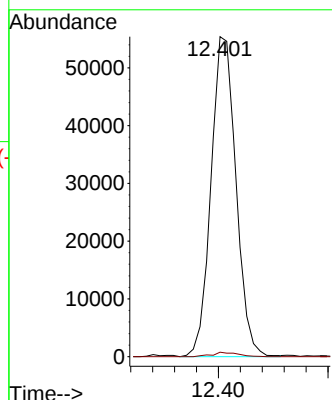
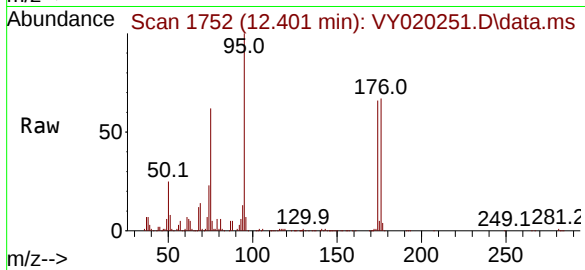




#76
1,2,3-Trichloropropane
Concen: 74.069 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 87672
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 159.319 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020251.D
Acq: 11 Nov 2024 16:22

Tgt Ion: 75 Resp: 87672
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 35.8 53.6#

