

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
 Data File : VY020231.D
 Acq On : 08 Nov 2024 14:25
 Operator : SY/MD
 Sample : P4771-07
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 22:18:50 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)

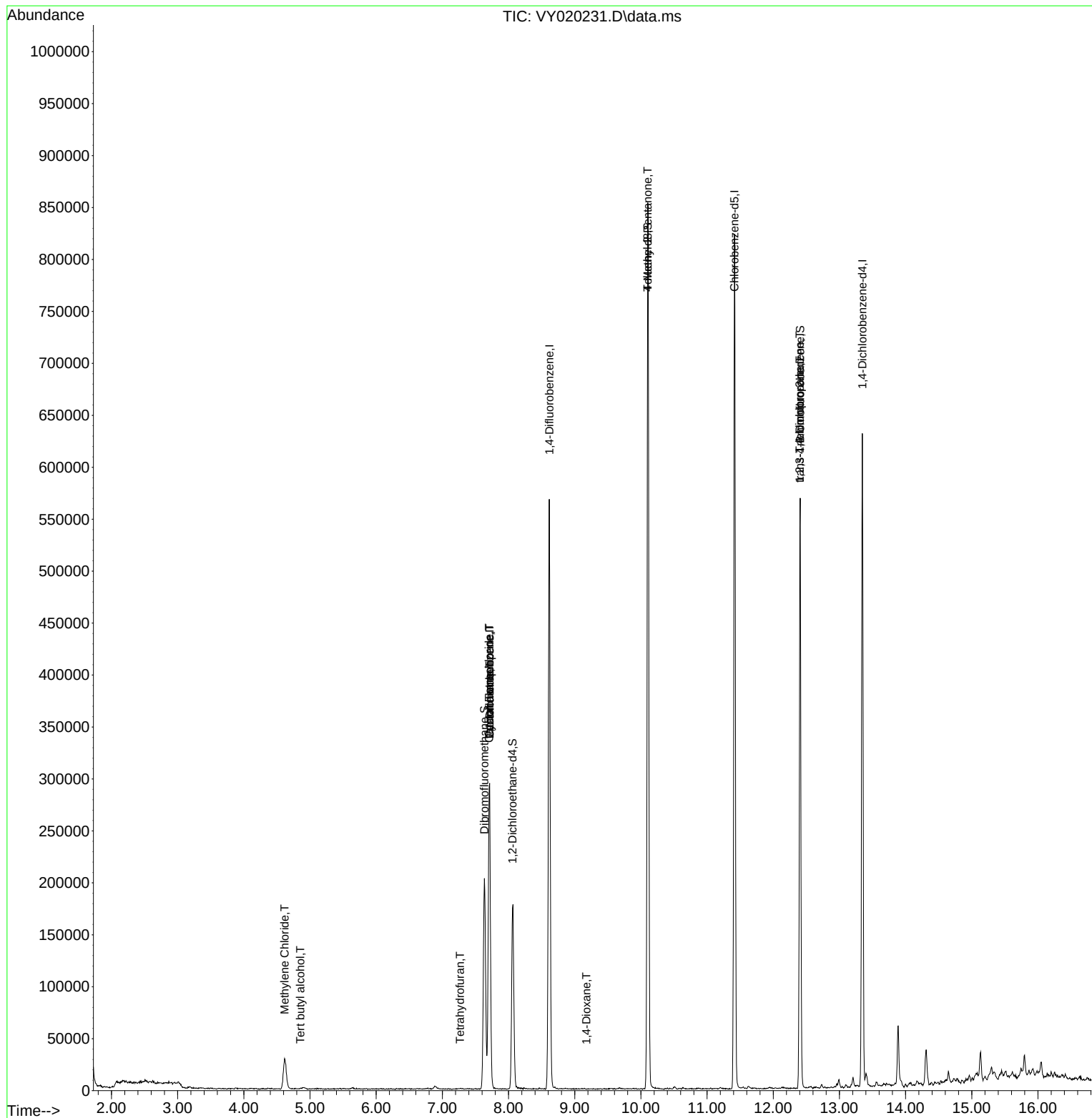
Internal Standards						
1) Pentafluorobenzene	7.713	168	203773	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	433180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	397248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139510	54.856	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.720%	
35) Dibromofluoromethane	7.634	113	140377	50.970	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.940%	
50) Toluene-d8	10.103	98	535286	48.827	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.660%	
62) 4-Bromofluorobenzene	12.408	95	165786	46.558	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 93.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	359	1.962	ug/l	# 88
20) Methylene Chloride	4.616	84	21047	7.922	ug/l	# 89
29) Tetrahydrofuran	7.268	42	620	1.340	ug/l	# 58
31) Cyclohexane	7.713	56	5919	1.282	ug/l	# 29
36) 1,1-Dichloropropene	7.713	75	20371	4.788	ug/l	# 48
38) Carbon Tetrachloride	7.707	117	24194	5.655	ug/l	# 16
49) 1,4-Dioxane	9.176	88	55	3.318	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.103	43	3031	1.508	ug/l	# 1
76) 1,2,3-Trichloropropane	12.401	75	97008	73.555	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	97008	158.214	ug/l	# 16

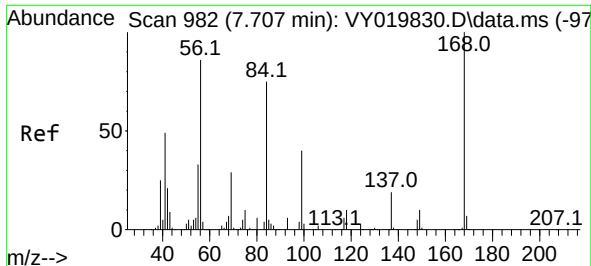
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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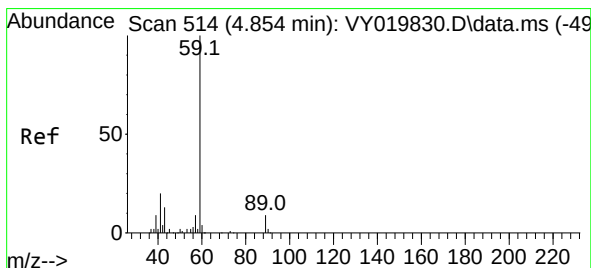
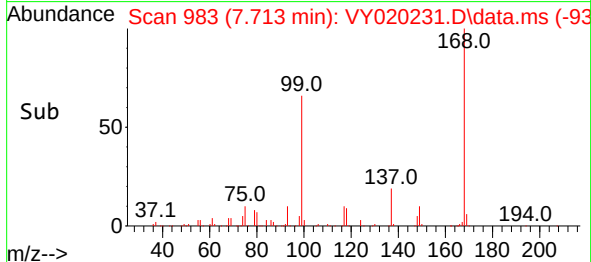
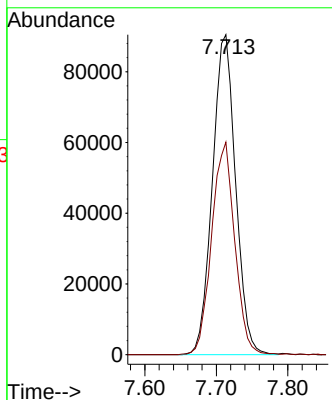
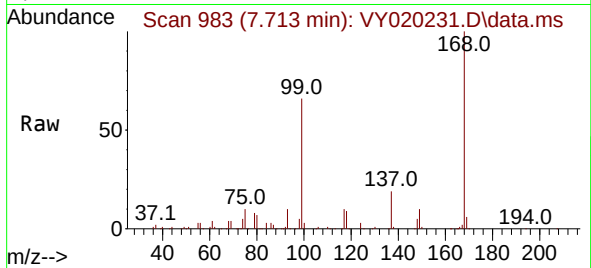




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

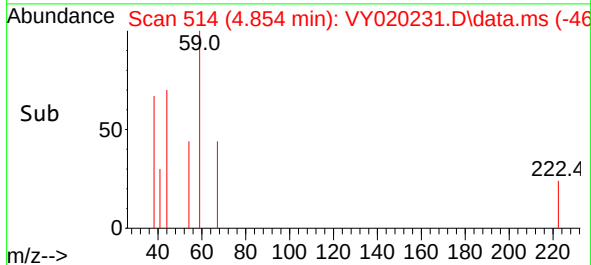
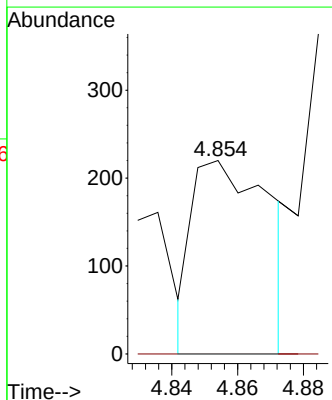
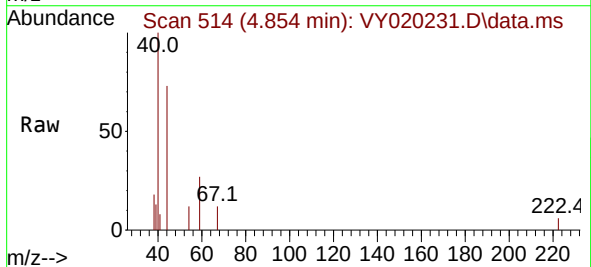
Instrument :
MSVOA_Y
ClientSampleId :

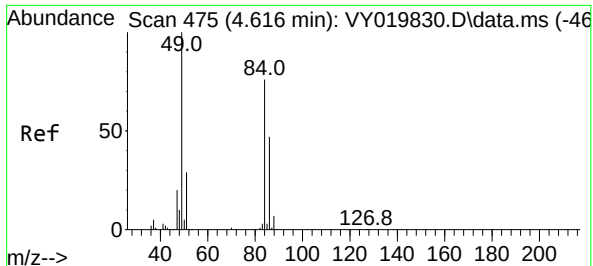
Tgt Ion:168 Resp: 203773
Ion Ratio Lower Upper
168 100
99 66.4 39.1 58.7#



#11
Tert butyl alcohol
Concen: 1.962 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

Tgt Ion: 59 Resp: 359
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

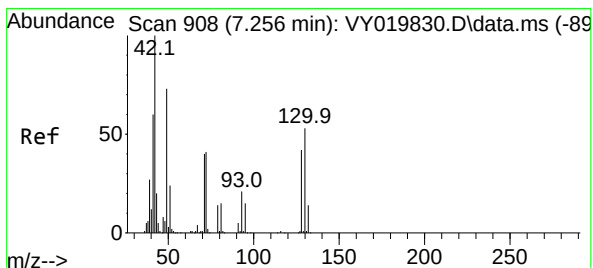
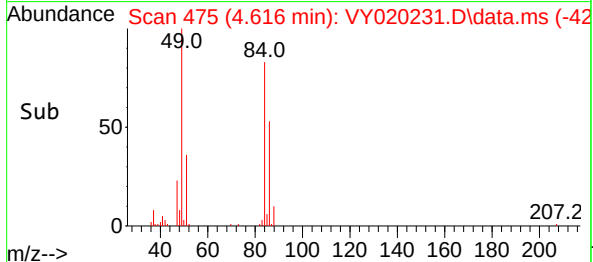
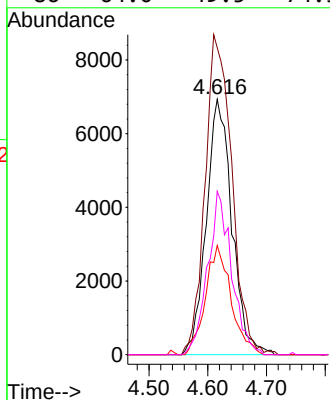
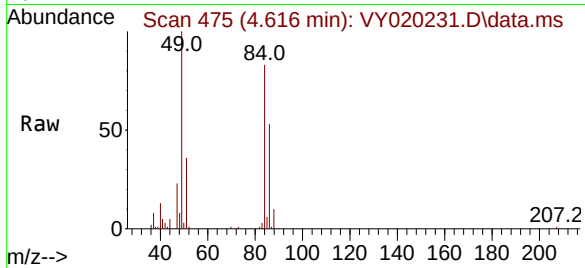




#20
Methylene Chloride
Concen: 7.922 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

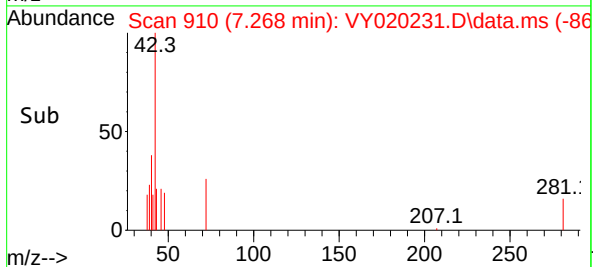
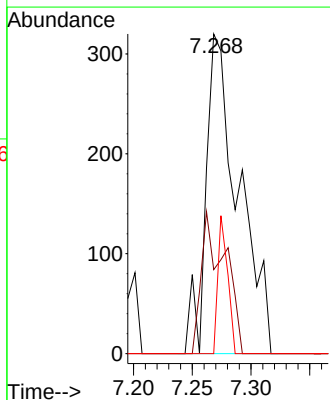
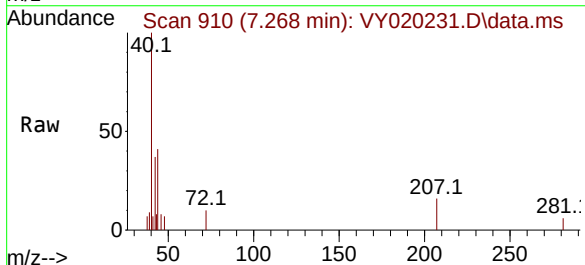
Instrument :
MSVOA_Y
ClientSampleId :

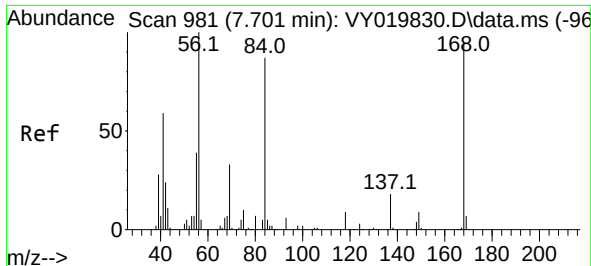
Tgt Ion:	84	Resp:	21047
Ion	Ratio	Lower	Upper
84	100		
49	120.1	84.4	126.6
51	42.7	26.0	39.0#
86	64.0	49.5	74.3



#29
Tetrahydrofuran
Concen: 1.340 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

Tgt Ion:	42	Resp:	620
Ion	Ratio	Lower	Upper
42	100		
72	32.3	43.0	64.4#
71	12.7	40.8	61.2#

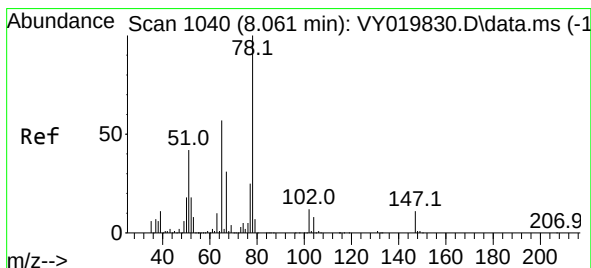
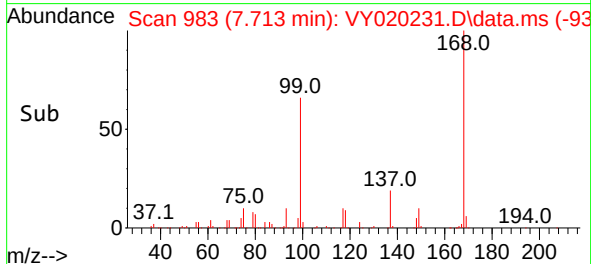
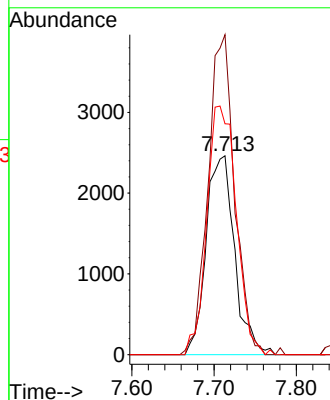
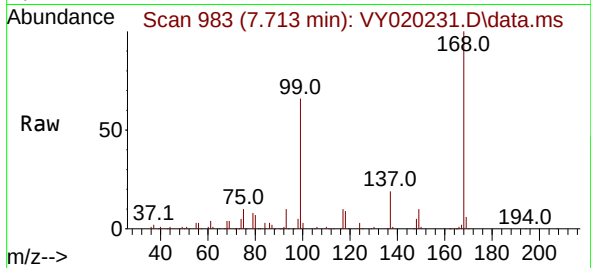




#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

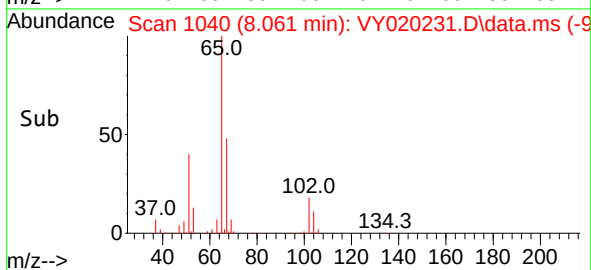
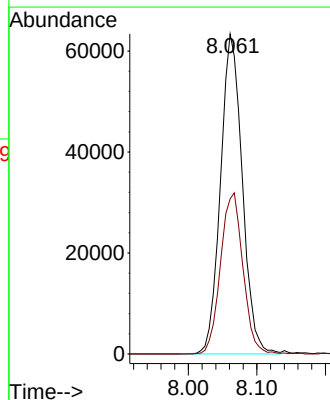
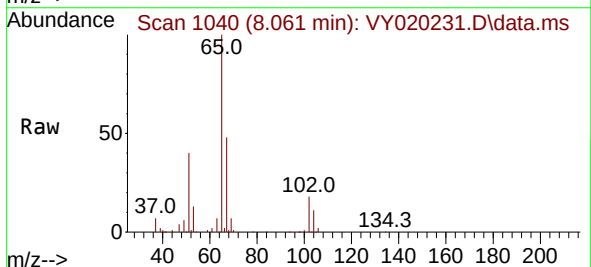
Instrument :
MSVOA_Y
ClientSampleId :

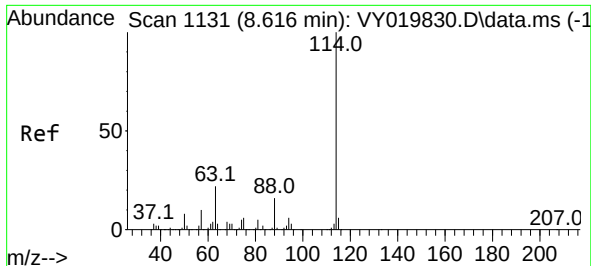
Tgt Ion: 56 Resp: 5919
Ion Ratio Lower Upper
56 100
69 160.9 28.7 43.1#
84 116.0 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 54.856 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

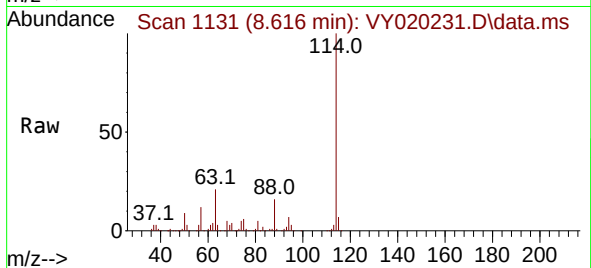
Tgt Ion: 65 Resp: 139510
Ion Ratio Lower Upper
65 100
67 51.8 0.0 109.6



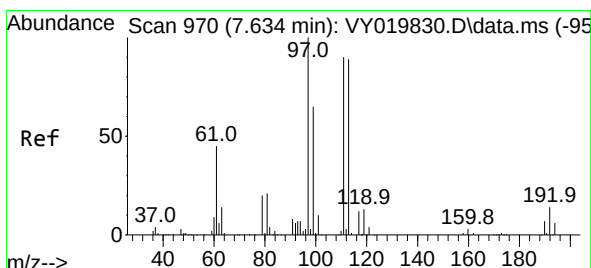
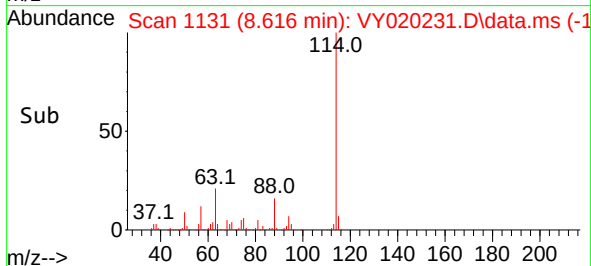
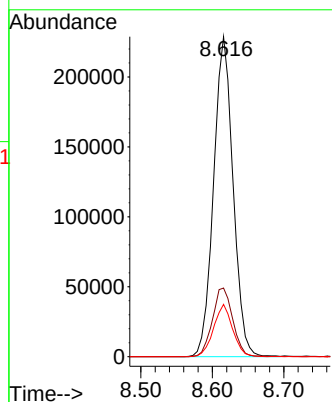


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

Instrument :
MSVOA_Y
ClientSampleId :

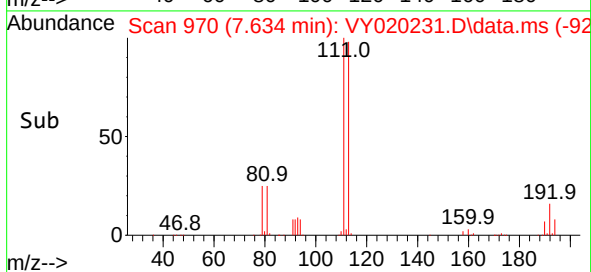
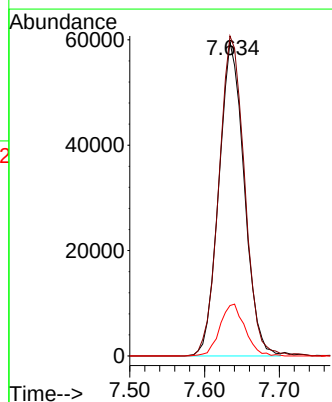
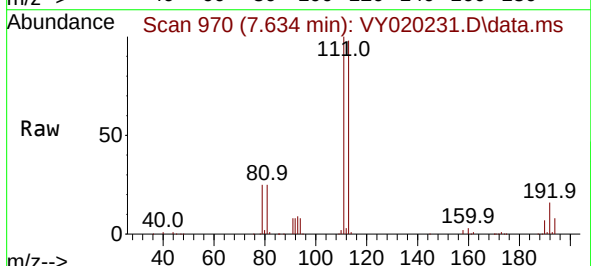


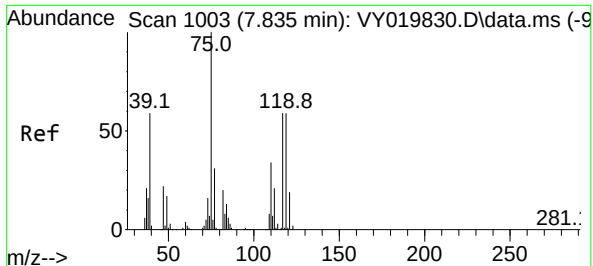
Tgt Ion:114 Resp: 433180
Ion Ratio Lower Upper
114 100
63 21.4 0.0 35.0
88 16.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 50.970 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

Tgt Ion:113 Resp: 140377
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 16.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.788 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY020231.D

Acq: 08 Nov 2024 14:25

Instrument :

MSVOA_Y

ClientSampleId :

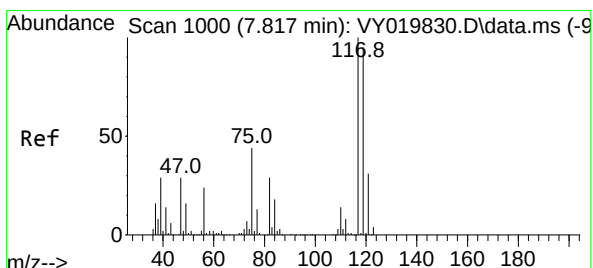
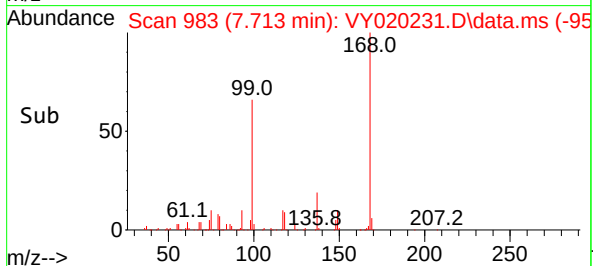
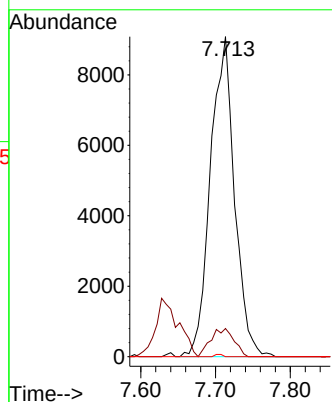
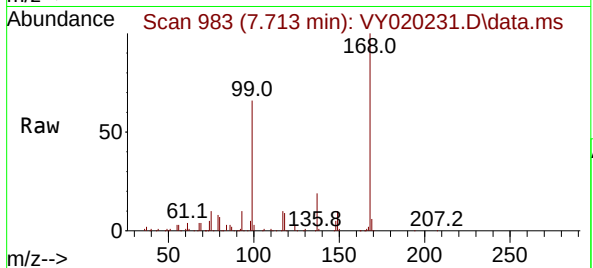
Tgt Ion: 75 Resp: 20371

Ion Ratio Lower Upper

75 100

110 8.5 19.0 57.0#

77 0.2 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.655 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.109 min

Lab File: VY020231.D

Acq: 08 Nov 2024 14:25

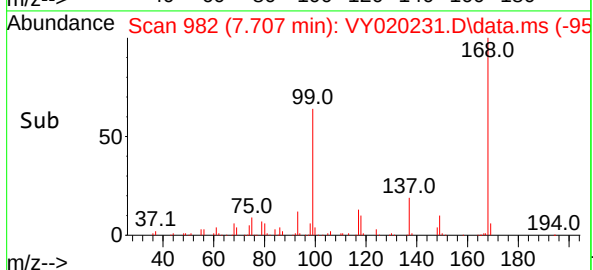
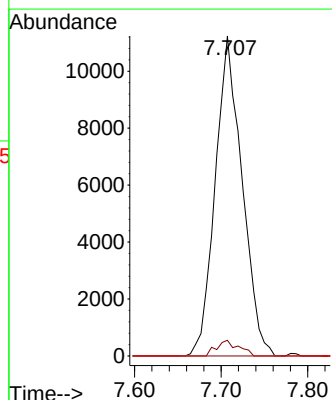
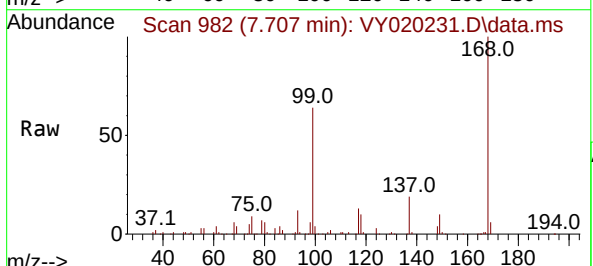
Tgt Ion: 117 Resp: 24194

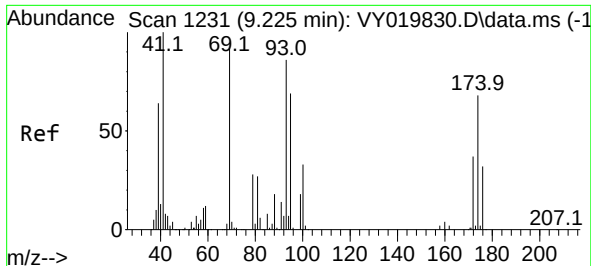
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 3.318 ug/l

RT: 9.176 min Scan# 11

Delta R.T. -0.055 min

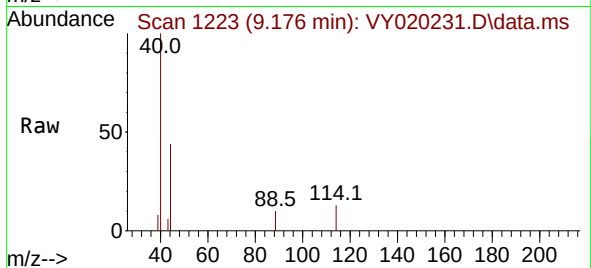
Lab File: VY020231.D

Acq: 08 Nov 2024 14:25

Instrument :

MSVOA_Y

ClientSampleId :



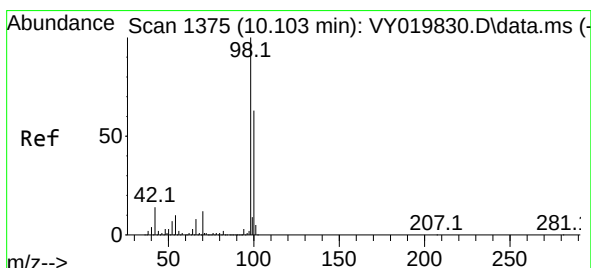
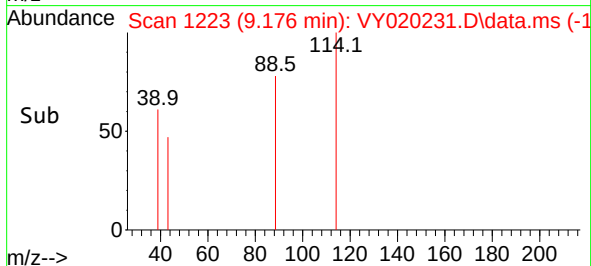
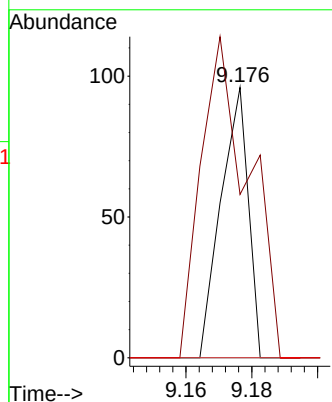
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 207.3 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 48.827 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020231.D

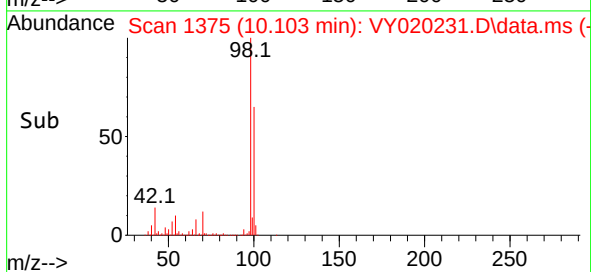
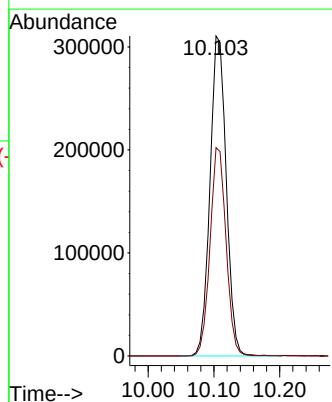
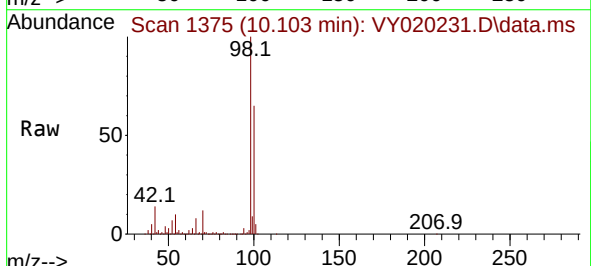
Acq: 08 Nov 2024 14:25

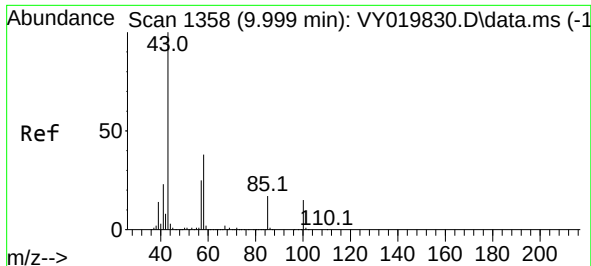
Tgt Ion: 98 Resp: 535286

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

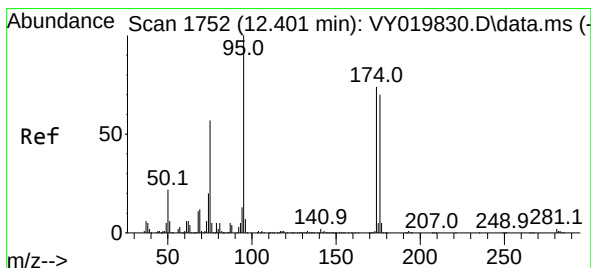
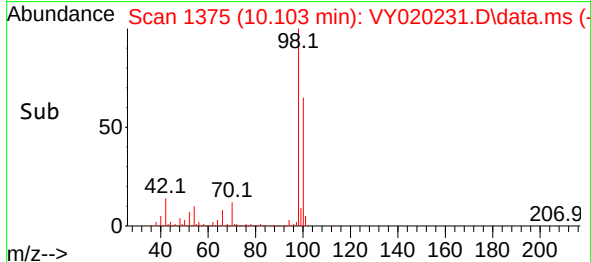
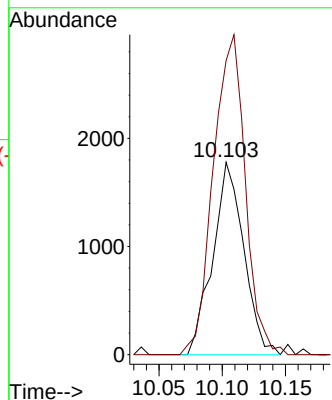
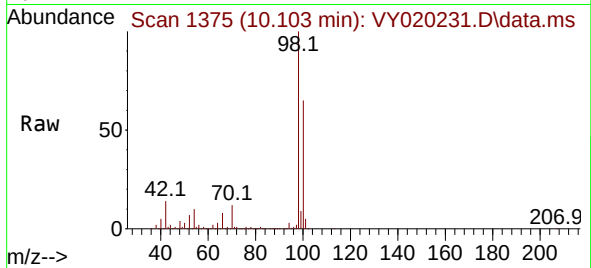




#51
4-Methyl-2-Pentanone
Concen: 1.508 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

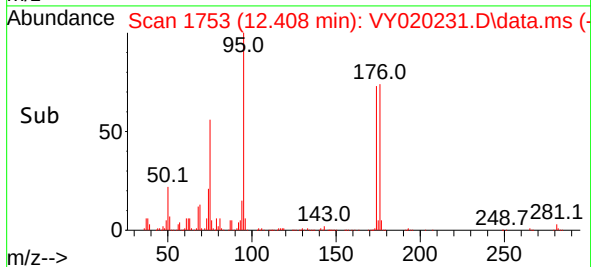
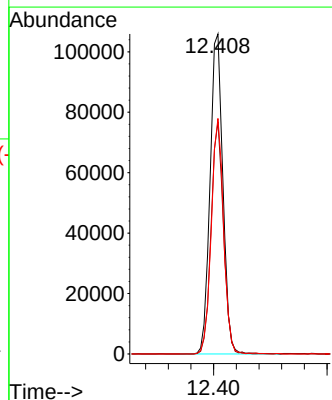
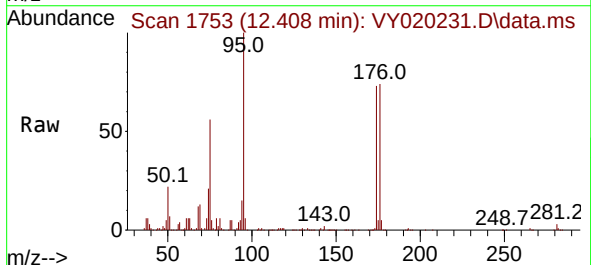
Instrument :
MSVOA_Y
ClientSampleId :

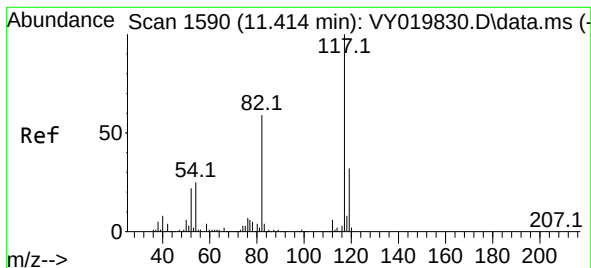
Tgt Ion: 43 Resp: 3031
Ion Ratio Lower Upper
43 100
58 171.7 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 46.558 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

Tgt Ion: 95 Resp: 165786
Ion Ratio Lower Upper
95 100
174 70.1 0.0 175.6
176 70.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

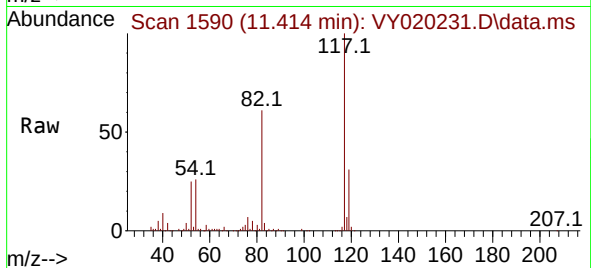
Lab File: VY020231.D

Acq: 08 Nov 2024 14:25

Instrument :

MSVOA_Y

ClientSampleId :



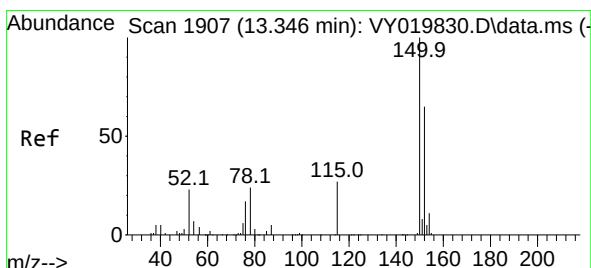
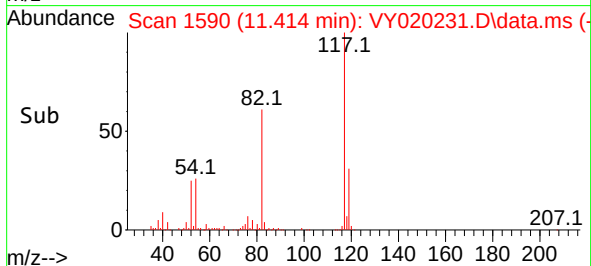
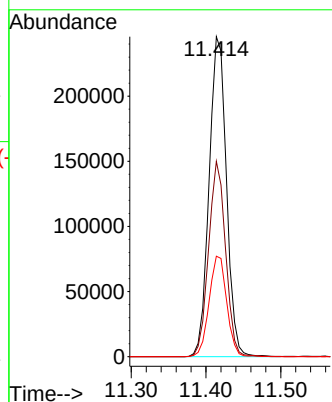
Tgt Ion:117 Resp: 397248

Ion Ratio Lower Upper

117 100

82 61.0 42.4 63.6

119 31.4 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: VY020231.D

Acq: 08 Nov 2024 14:25

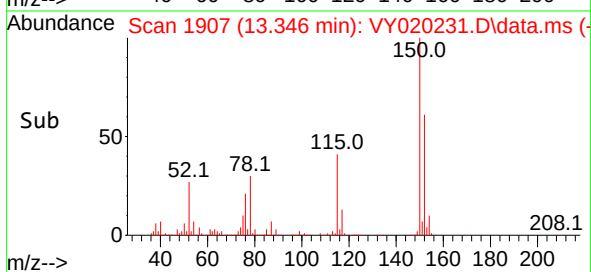
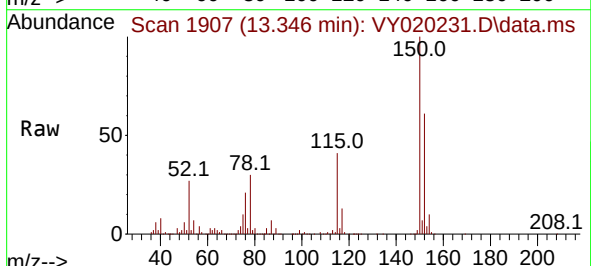
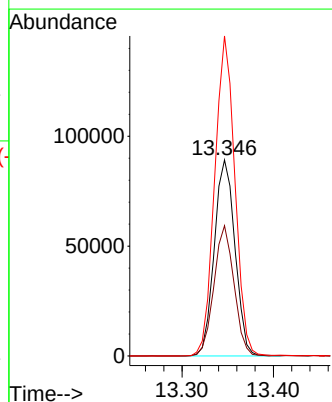
Tgt Ion:152 Resp: 140693

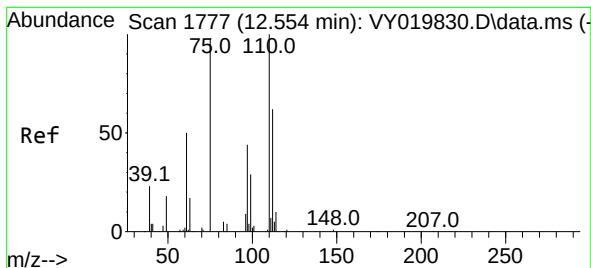
Ion Ratio Lower Upper

152 100

115 64.5 28.2 84.7

150 159.0 0.0 345.6

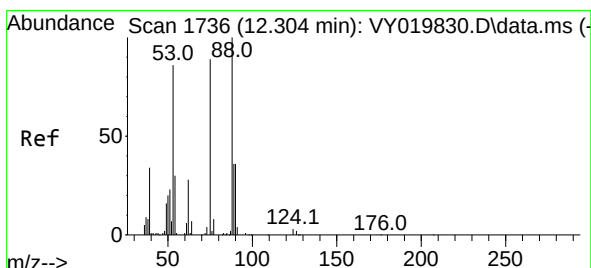
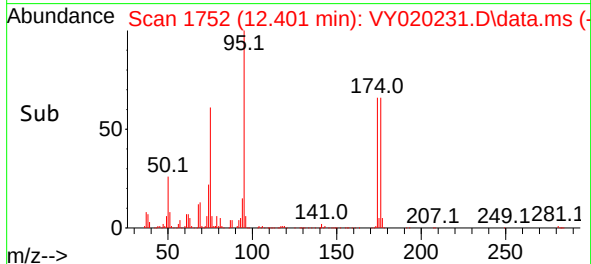
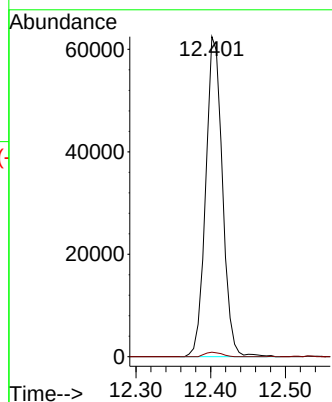
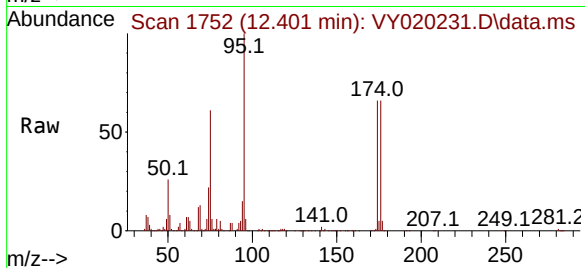




#76
1,2,3-Trichloropropane
Concen: 73.555 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 97008
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 158.214 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020231.D
Acq: 08 Nov 2024 14:25

Tgt Ion: 75 Resp: 97008
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.2 35.8 53.6#

