

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
 Data File : VY020013.D
 Acq On : 24 Oct 2024 16:43
 Operator : SY/MD
 Sample : P4508-11
 Misc : 5.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 25 01:42:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

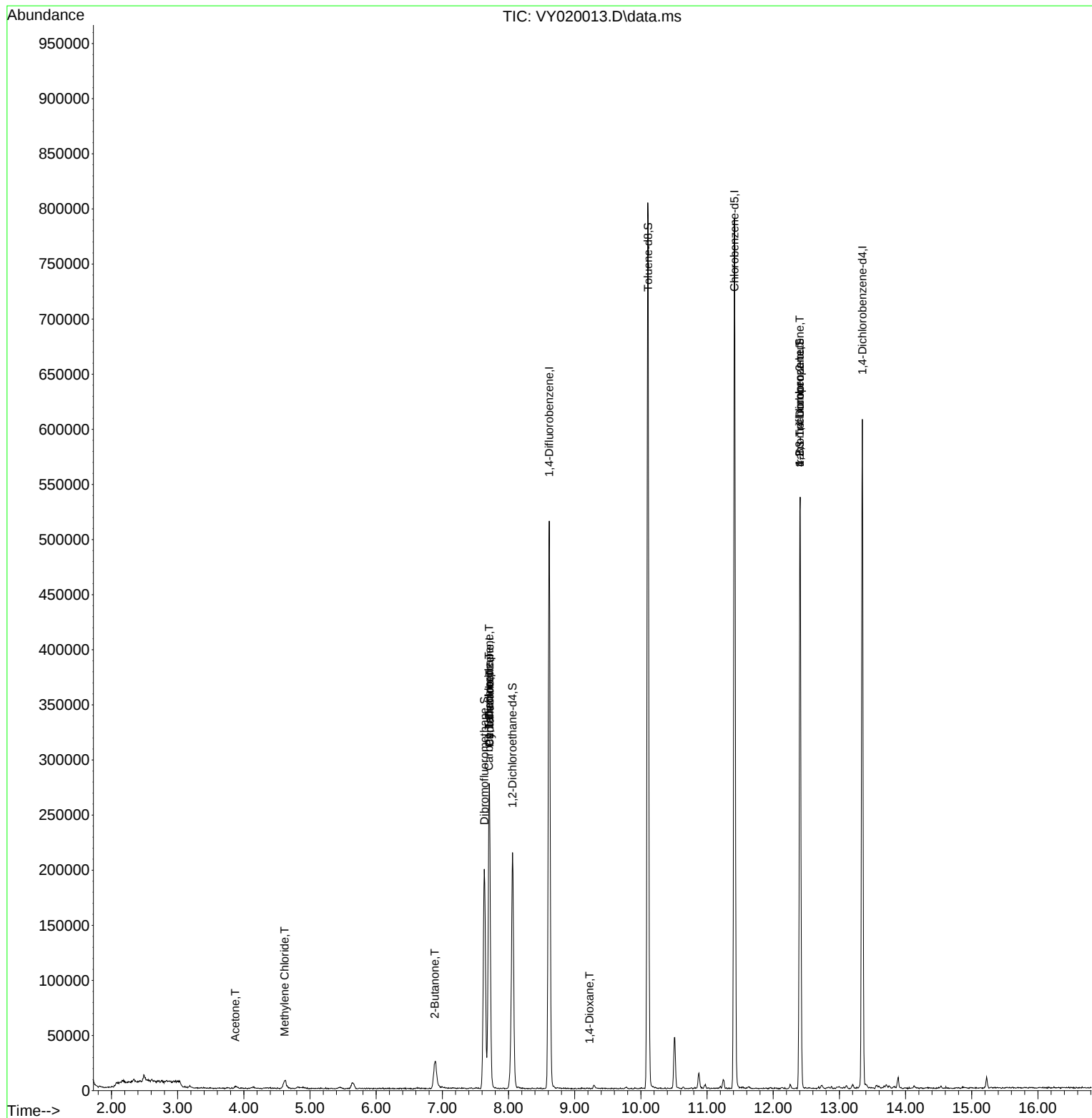
Internal Standards						
1) Pentafluorobenzene	7.713	168	192806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	406206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	134944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154783	65.199	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.400%	
35) Dibromofluoromethane	7.634	113	136942	51.088	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.180%	
50) Toluene-d8	10.109	98	501849	50.698	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.400%	
62) 4-Bromofluorobenzene	12.402	95	154268	43.131	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 86.260%	
Target Compounds						
11) Tert butyl alcohol	4.872	59	824	Below Cal	Qvalue 99	
16) Acetone	3.873	43	3057	4.947	ug/l	89
20) Methylene Chloride	4.616	84	5161	1.478	ug/l #	90
25) 2-Butanone	6.884	43	2771	3.350	ug/l #	69
31) Cyclohexane	7.713	56	5548	1.399	ug/l #	36
36) 1,1-Dichloropropene	7.707	75	20579	5.329	ug/l #	47
38) Carbon Tetrachloride	7.701	117	20981	5.068	ug/l #	14
49) 1,4-Dioxane	9.225	88	57	3.187	ug/l #	20
76) 1,2,3-Trichloropropane	12.402	75	92072	34.829	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	92072	140.583	ug/l #	16

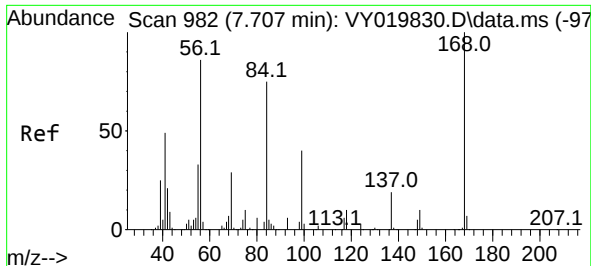
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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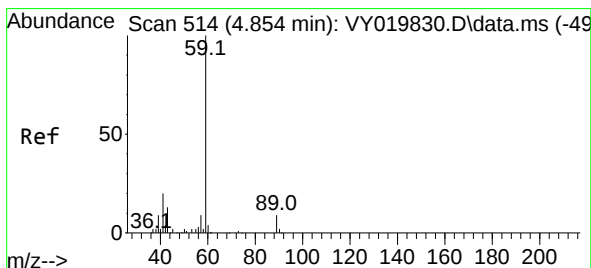
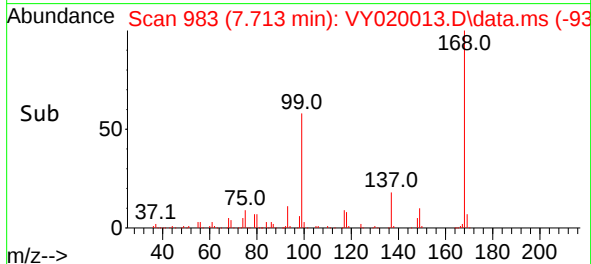
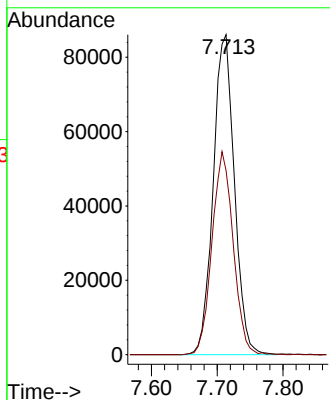
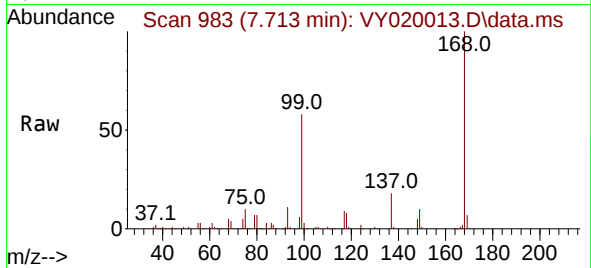




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43

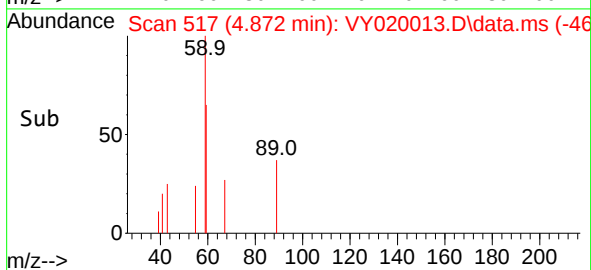
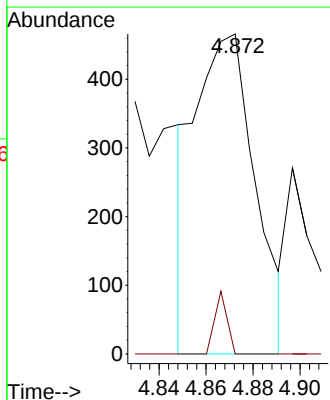
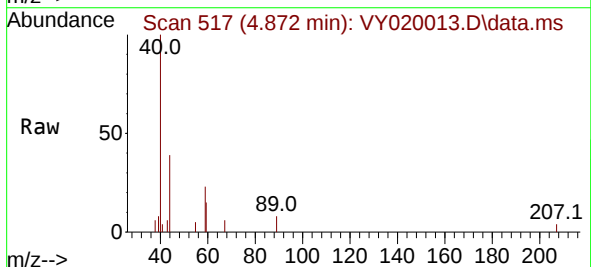
Instrument :
MSVOA_Y
ClientSampleId :

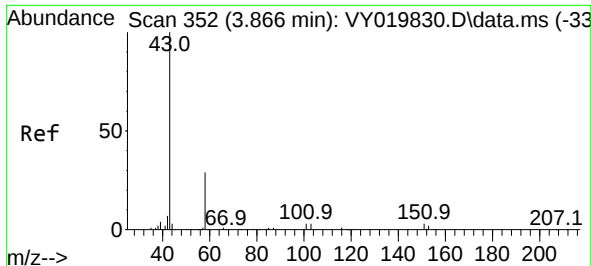
Tgt Ion:168 Resp: 192806
Ion Ratio Lower Upper
168 100
99 57.6 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43

Tgt Ion: 59 Resp: 824
Ion Ratio Lower Upper
59 100
57 4.0 3.0 4.6

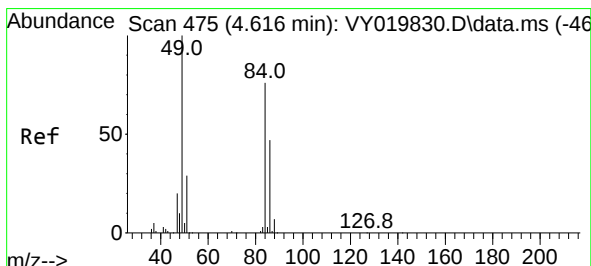
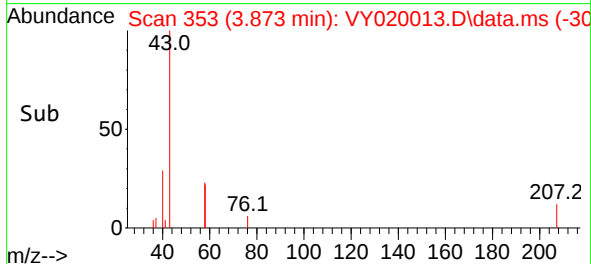
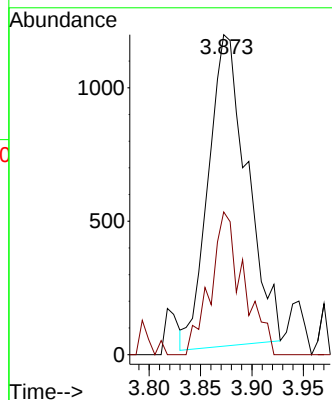
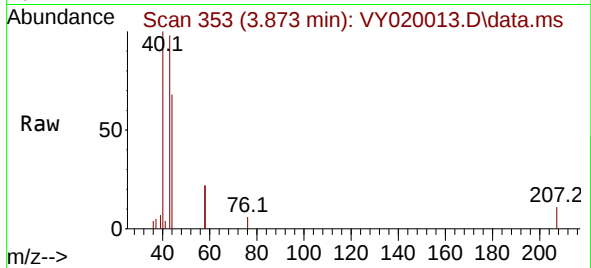




#16
Acetone
Concen: 4.947 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43

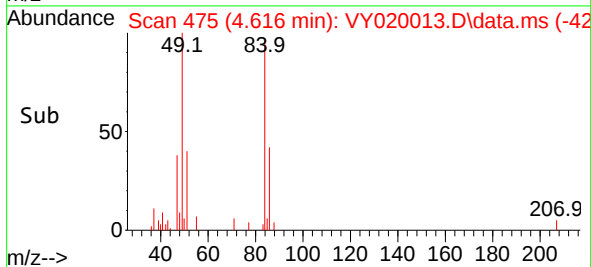
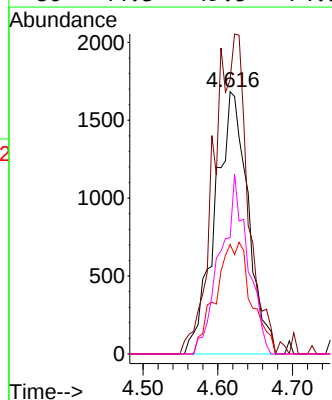
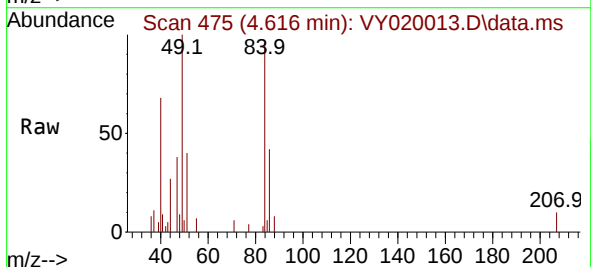
Instrument :
MSVOA_Y
ClientSampleId :

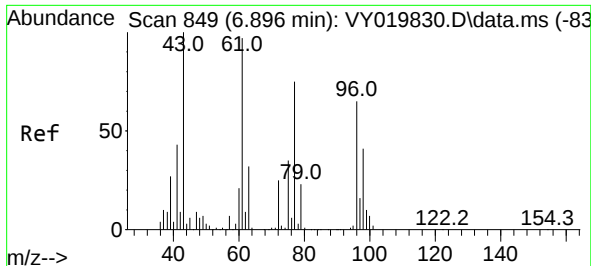
Tgt Ion: 43 Resp: 3057
Ion Ratio Lower Upper
43 100
58 46.6 31.7 47.5



#20
Methylene Chloride
Concen: 1.478 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43

Tgt Ion: 84 Resp: 5161
Ion Ratio Lower Upper
84 100
49 104.6 84.4 126.6
51 41.7 26.0 39.0#
86 44.3 49.5 74.3#





#25

2-Butanone

Concen: 3.350 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY020013.D

Acq: 24 Oct 2024 16:43

Instrument :

MSVOA_Y

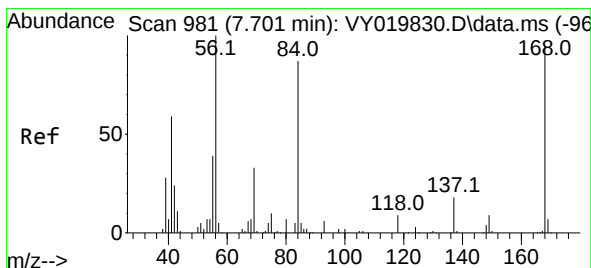
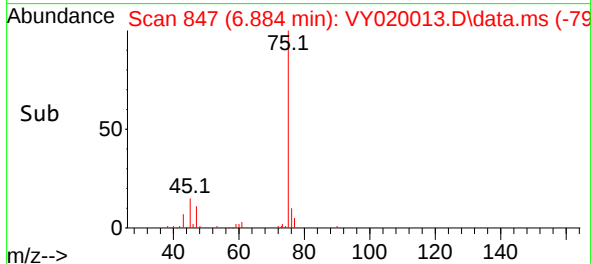
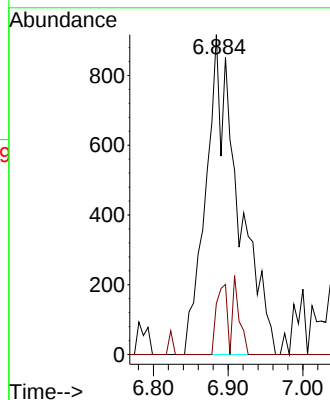
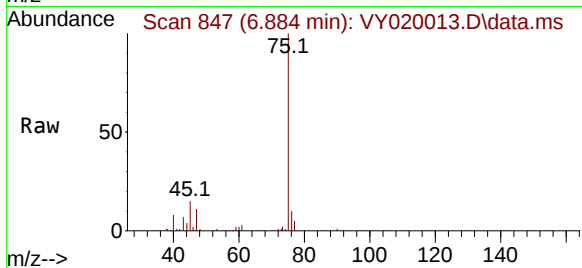
ClientSampleId :

Tgt Ion: 43 Resp: 2771

Ion Ratio Lower Upper

43 100

72 16.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.399 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.013 min

Lab File: VY020013.D

Acq: 24 Oct 2024 16:43

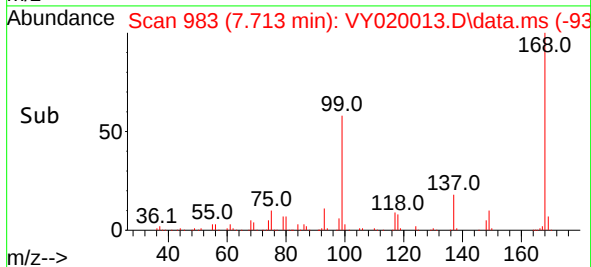
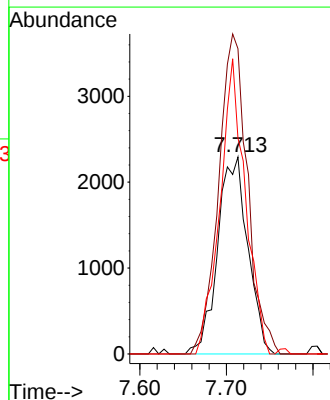
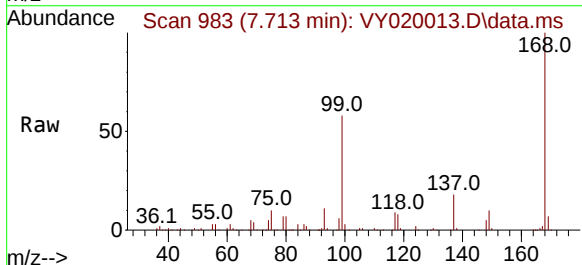
Tgt Ion: 56 Resp: 5548

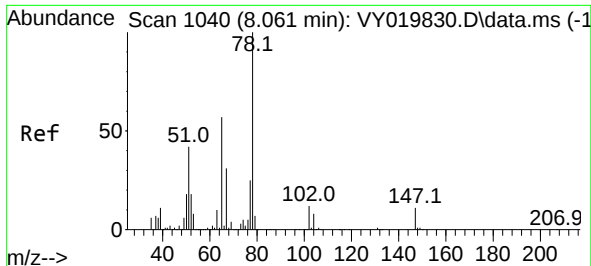
Ion Ratio Lower Upper

56 100

69 155.0 28.7 43.1#

84 109.6 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 65.199 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020013.D

Acq: 24 Oct 2024 16:43

Instrument :

MSVOA_Y

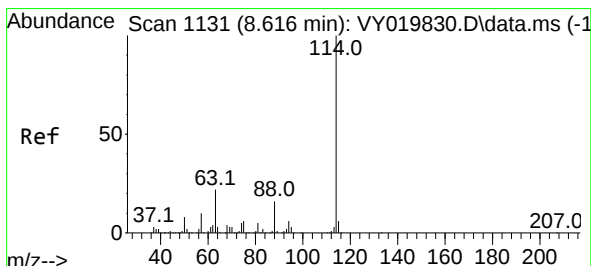
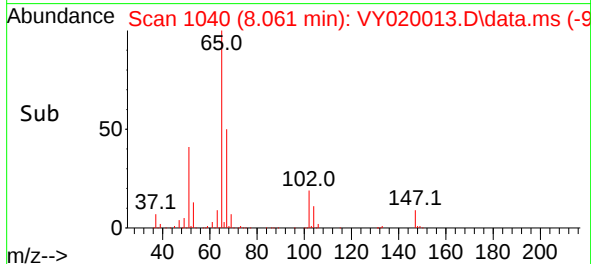
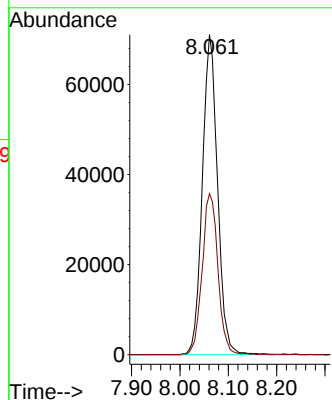
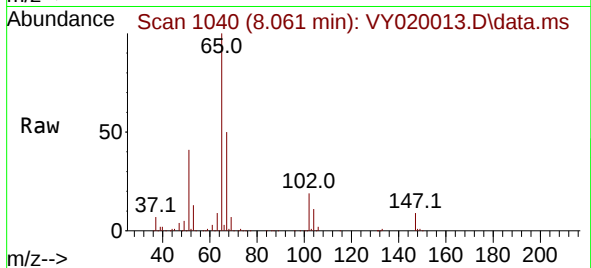
ClientSampleId :

Tgt Ion: 65 Resp: 154783

Ion Ratio Lower Upper

65 100

67 52.3 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: VY020013.D

Acq: 24 Oct 2024 16:43

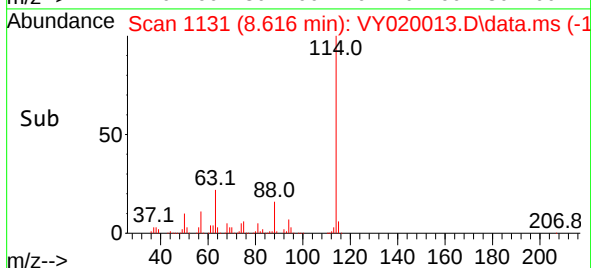
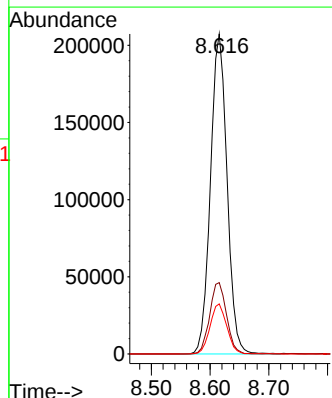
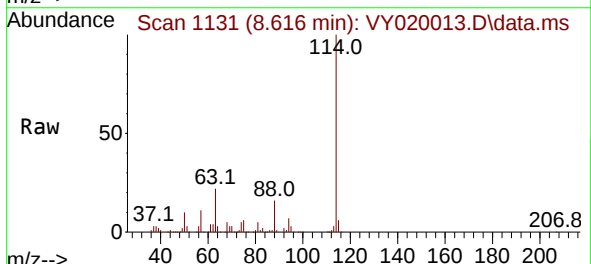
Tgt Ion:114 Resp: 406206

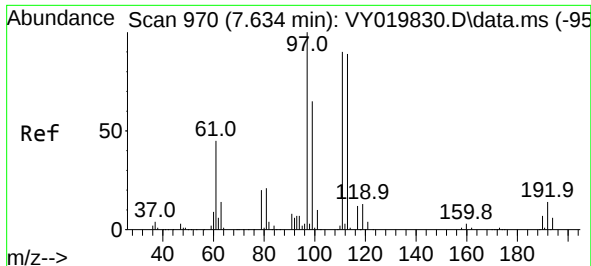
Ion Ratio Lower Upper

114 100

63 22.3 0.0 35.0

88 15.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.088 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY020013.D

Acq: 24 Oct 2024 16:43

Instrument :

MSVOA_Y

ClientSampleId :

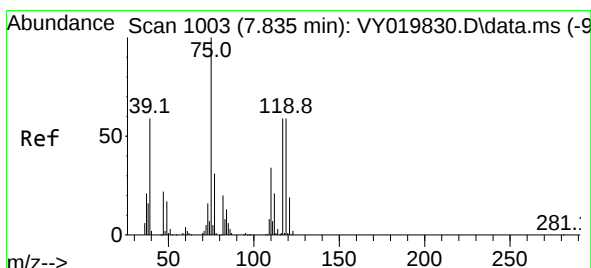
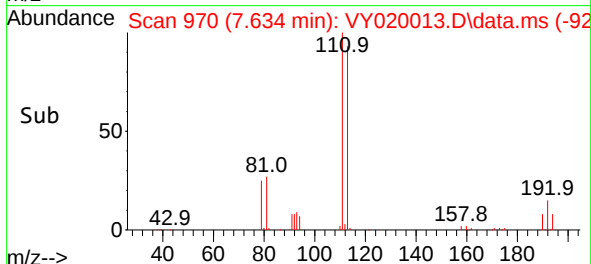
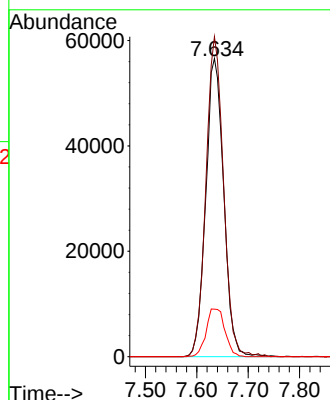
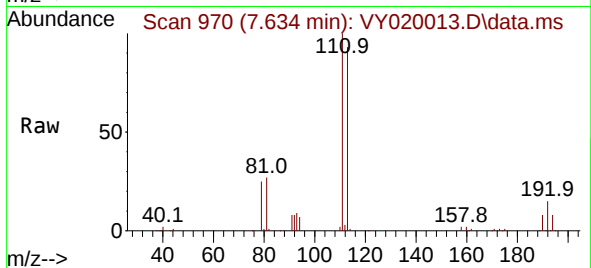
Tgt Ion:113 Resp: 136942

Ion Ratio Lower Upper

113 100

111 105.1 82.2 123.4

192 16.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.329 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY020013.D

Acq: 24 Oct 2024 16:43

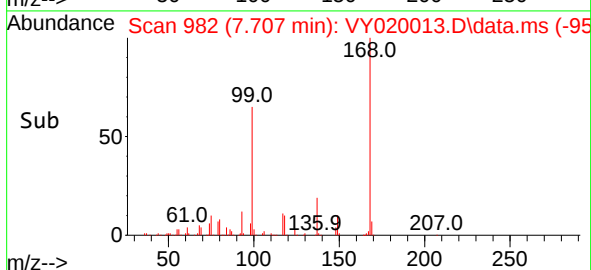
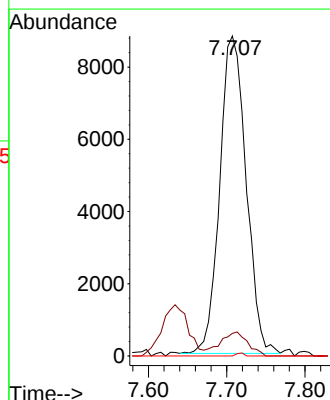
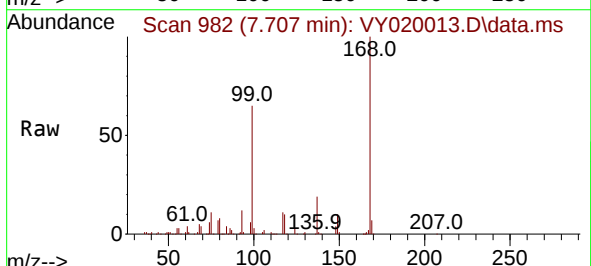
Tgt Ion: 75 Resp: 20579

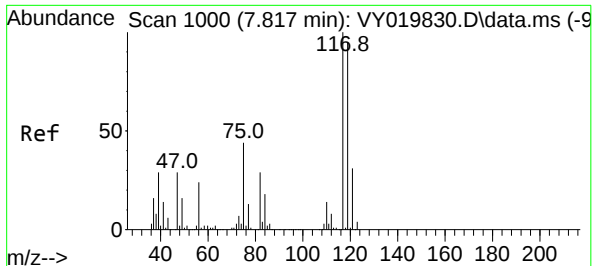
Ion Ratio Lower Upper

75 100

110 7.9 19.0 57.0#

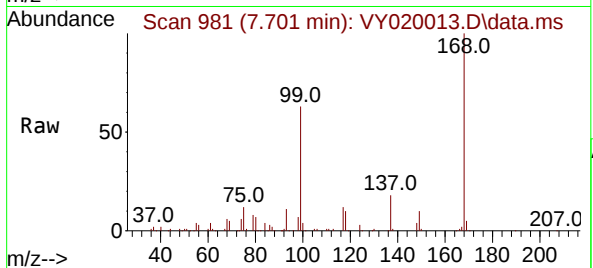
77 0.3 25.3 37.9#



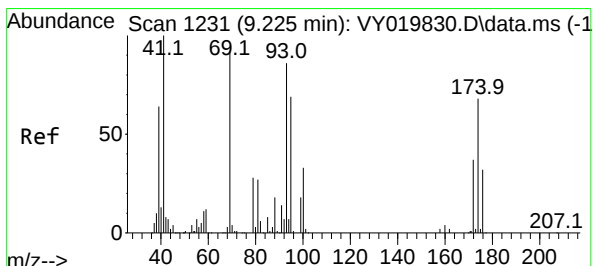
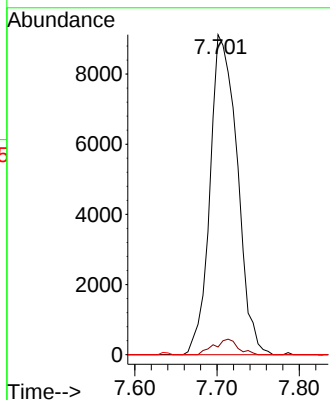
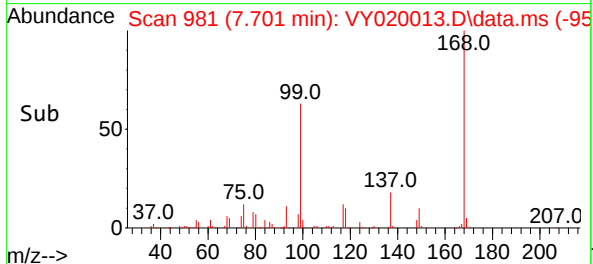


#38
Carbon Tetrachloride
Concen: 5.068 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43

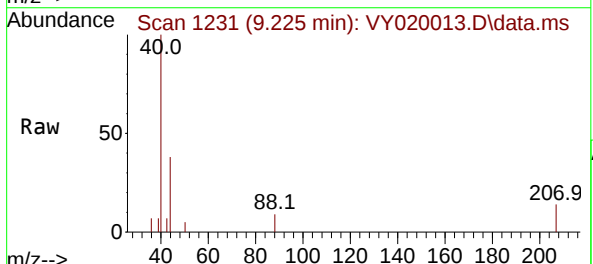
Instrument :
MSVOA_Y
ClientSampleId :



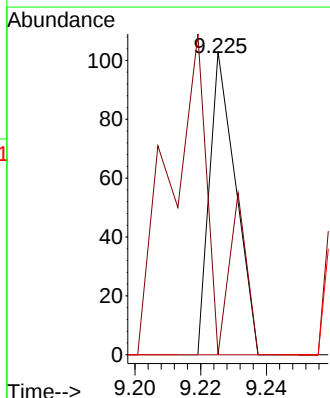
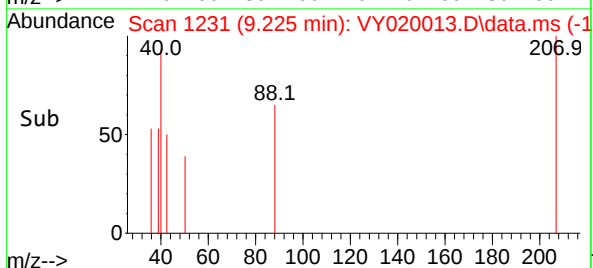
Tgt Ion:117 Resp: 20981
Ion Ratio Lower Upper
117 100
119 2.4 75.8 113.6#
121 0.0 24.0 36.0#

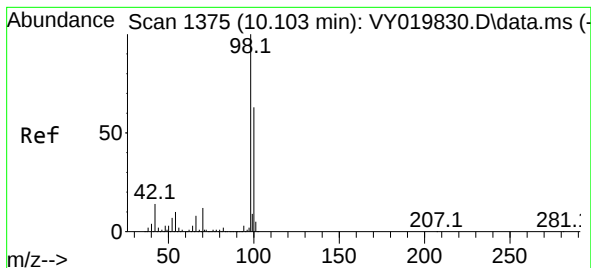


#49
1,4-Dioxane
Concen: 3.187 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43



Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 182.5 0.0 0.0#
58 0.0 49.3 73.9#





#50

Toluene-d8

Concen: 50.698 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020013.D

Acq: 24 Oct 2024 16:43

Instrument :

MSVOA_Y

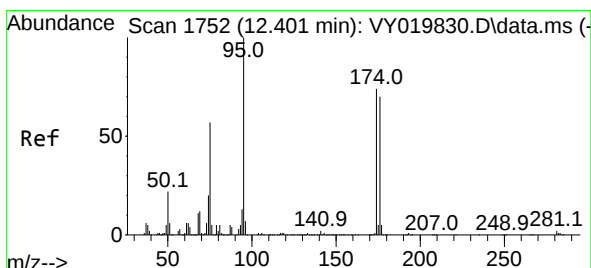
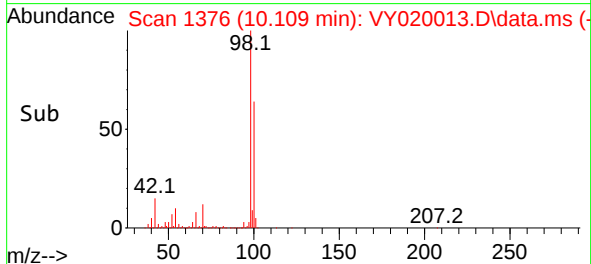
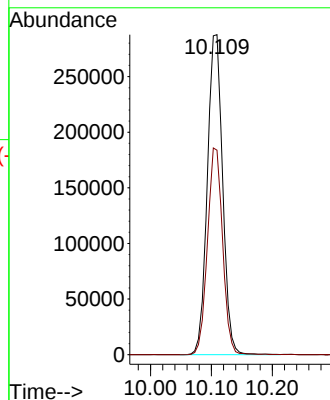
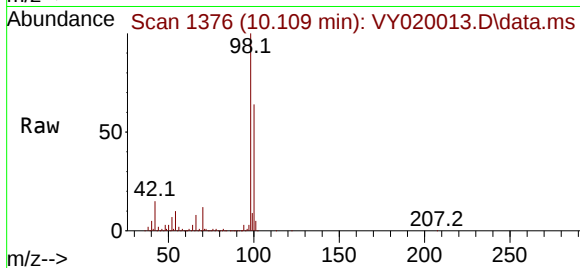
ClientSampleId :

Tgt Ion: 98 Resp: 501849

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 43.131 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020013.D

Acq: 24 Oct 2024 16:43

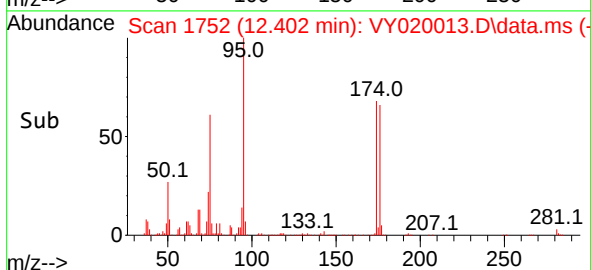
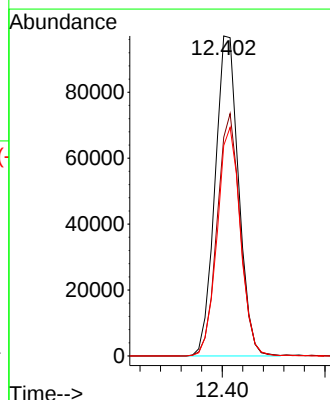
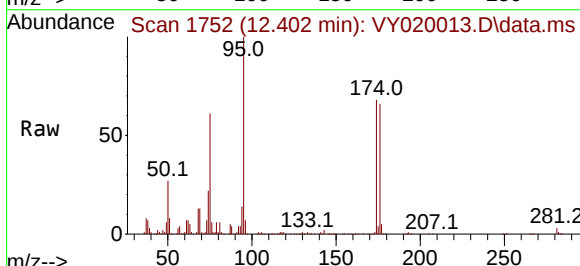
Tgt Ion: 95 Resp: 154268

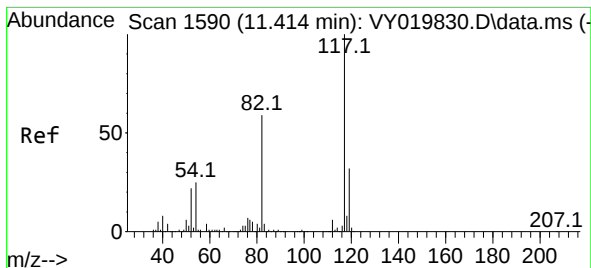
Ion Ratio Lower Upper

95 100

174 73.7 0.0 175.6

176 70.4 0.0 171.4

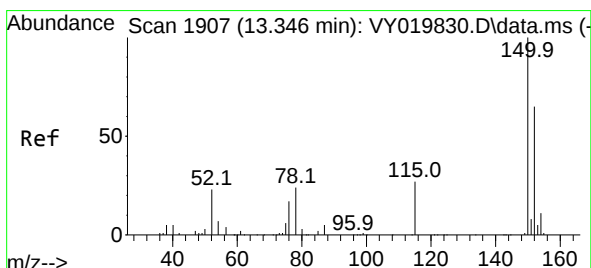
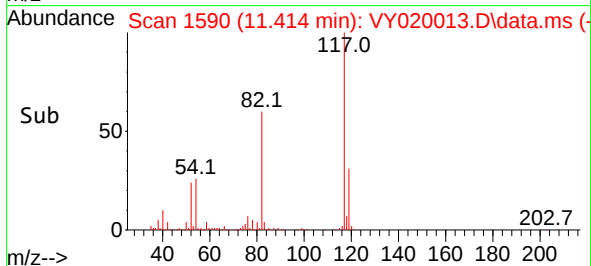
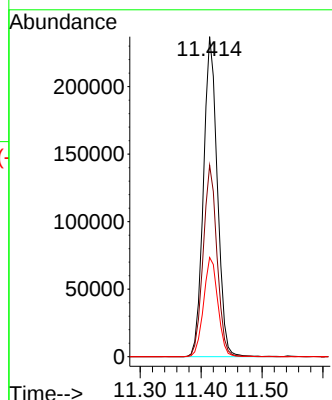
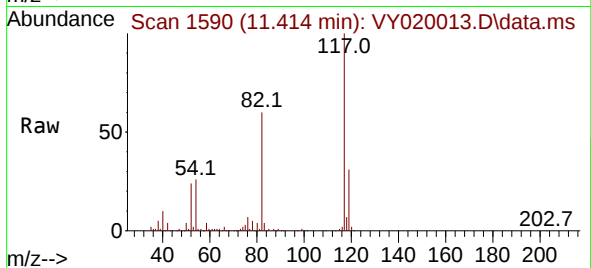




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43

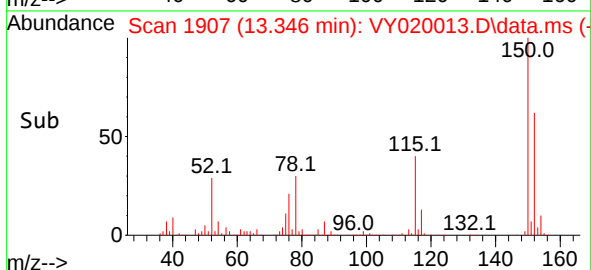
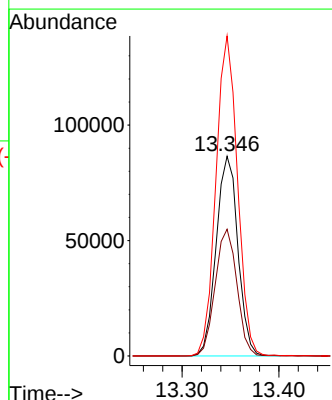
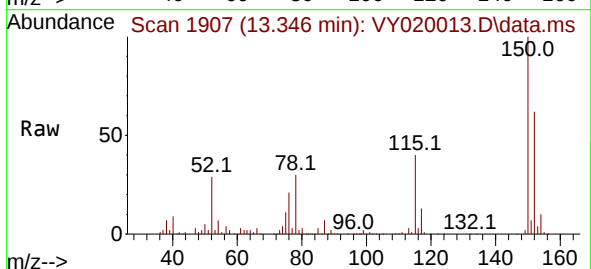
Instrument :
MSVOA_Y
ClientSampleId :

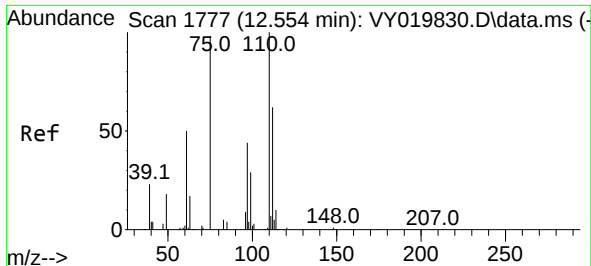
Tgt Ion:117 Resp: 375874
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 31.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43

Tgt Ion:152 Resp: 134944
Ion Ratio Lower Upper
152 100
115 63.5 28.2 84.7
150 158.8 0.0 345.6

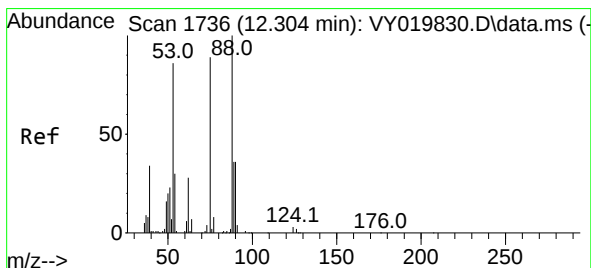
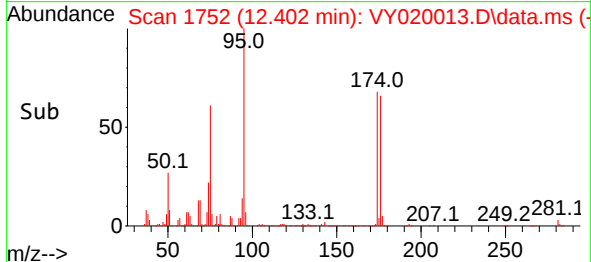
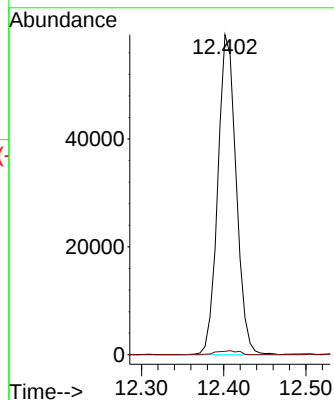
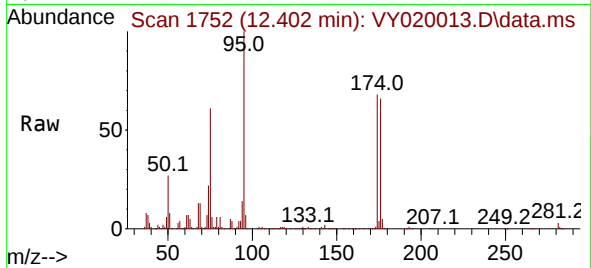




#76
1,2,3-Trichloropropane
Concen: 34.829 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 92072
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.583 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020013.D
Acq: 24 Oct 2024 16:43

Tgt Ion: 75 Resp: 92072
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#

