

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080824\
 Data File : VY018948.D
 Acq On : 09 Aug 2024 00:05
 Operator : SY/MD
 Sample : P3518-05
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 09 05:14:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	85493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	137095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	97559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	27356	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	35901	47.828	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.660%
35) Dibromofluoromethane	7.628	113	41710	47.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.280%
50) Toluene-d8	10.103	98	151027	44.905	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.820%
62) 4-Bromofluorobenzene	12.407	95	30345	30.412	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.820%

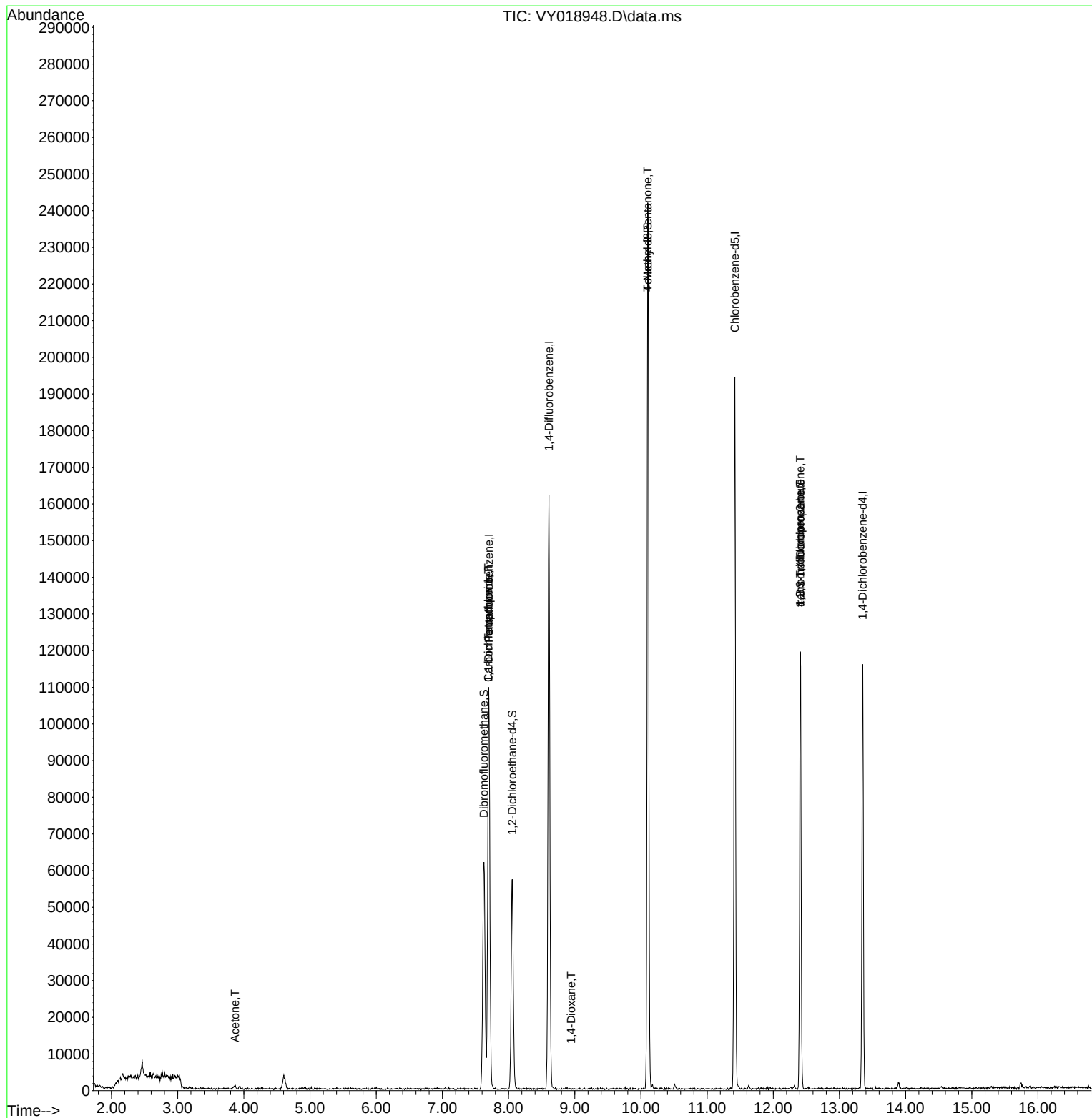
Target Compounds			Qvalue			
3) Chloromethane	2.068	50	22	Below Cal	#	43
11) Tert butyl alcohol	4.848	59	94	Below Cal	#	88
13) Acrolein	3.726	56	28	Below Cal	#	72
16) Acetone	3.866	43	1297	18.877	ug/l	99
20) Methylene Chloride	4.604	84	2044	Below Cal	#	88
31) Cyclohexane	7.695	56	2249	Below Cal	#	75
36) 1,1-Dichloropropene	7.695	75	6412	5.455	ug/l	# 48
38) Carbon Tetrachloride	7.695	117	8156	6.052	ug/l	# 16
41) Methacrylonitrile	7.195	41	19	Below Cal	#	15
49) 1,4-Dioxane	8.944	88	36	6.031	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.103	43	963	1.709	ug/l	# 1
76) 1,2,3-Trichloropropane	12.407	75	18237	89.486	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.407	75	18237	184.393	ug/l	# 16

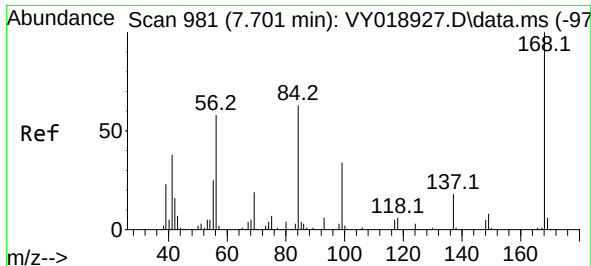
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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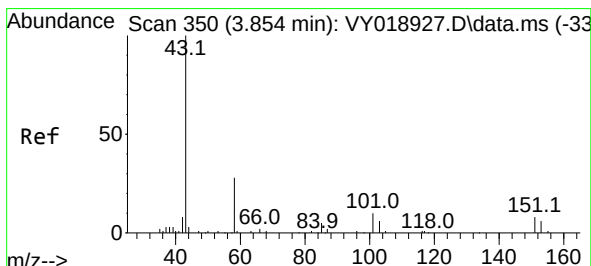
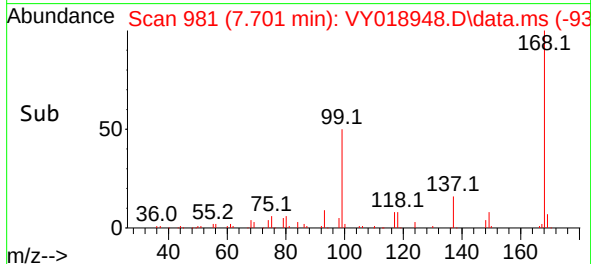
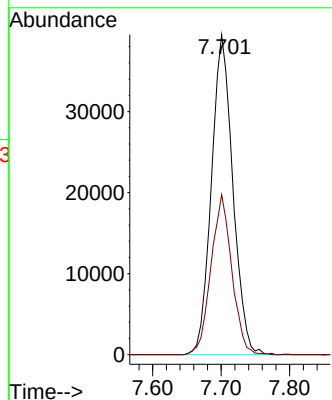
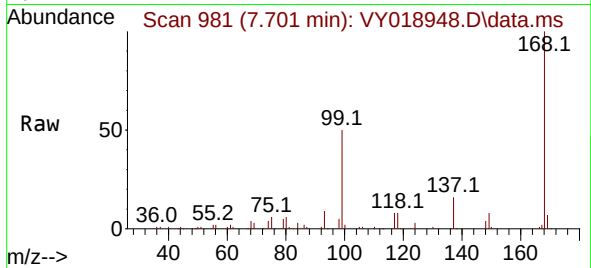




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

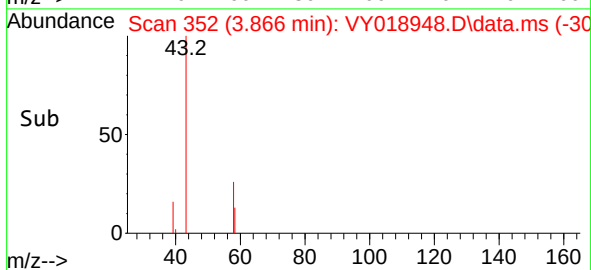
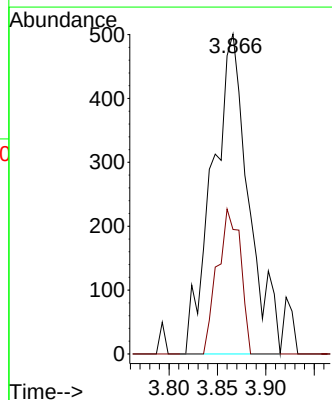
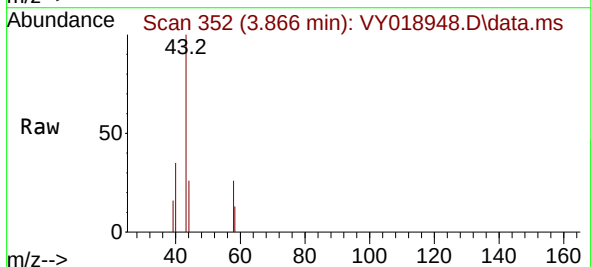
Instrument :
MSVOA_Y
ClientSampleId :

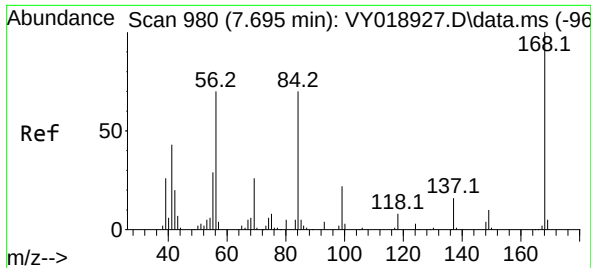
Tgt Ion:168 Resp: 85493
Ion Ratio Lower Upper
168 100
99 50.0 39.1 58.7



#16
Acetone
Concen: 18.877 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

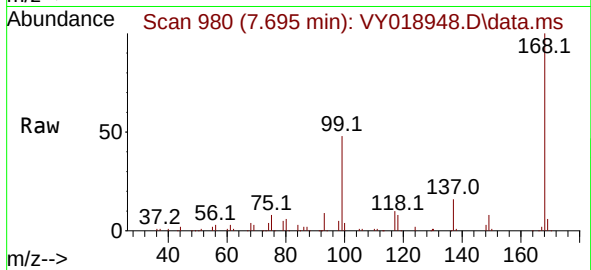
Tgt Ion: 43 Resp: 1297
Ion Ratio Lower Upper
43 100
58 38.9 31.7 47.5



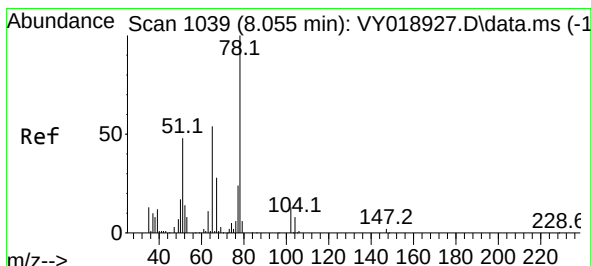
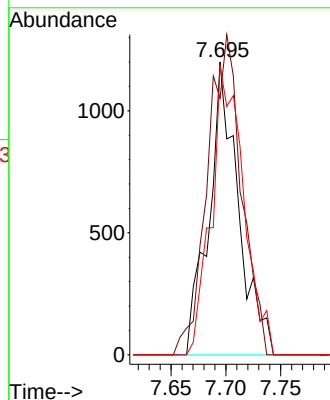
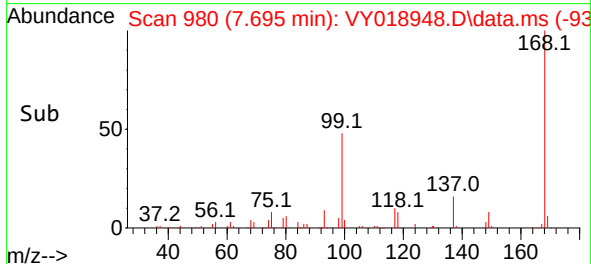


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

Instrument :
MSVOA_Y
ClientSampleId :

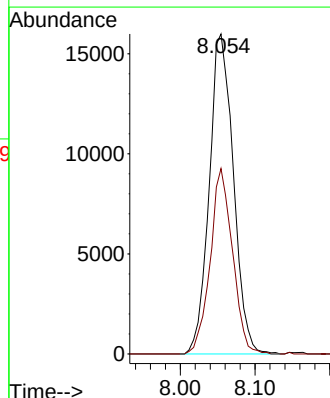
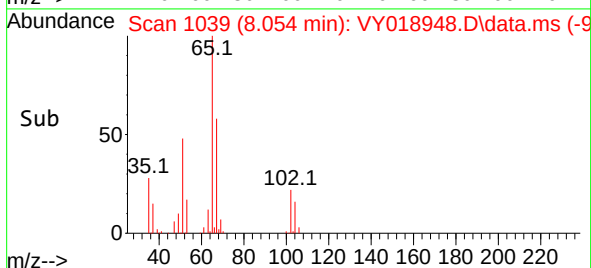
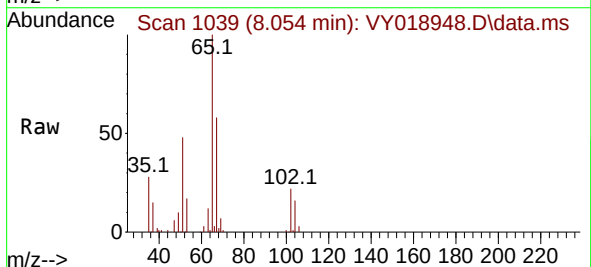


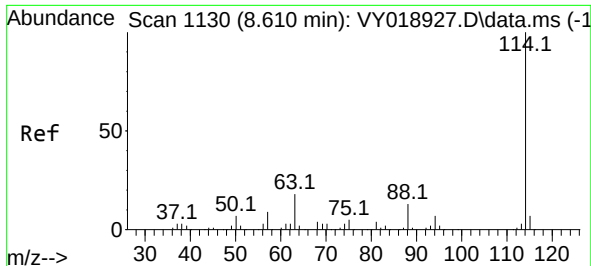
Tgt Ion: 56 Resp: 2249
Ion Ratio Lower Upper
56 100
69 87.6 28.7 43.1#
84 98.8 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 47.828 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

Tgt Ion: 65 Resp: 35901
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY018948.D

Acq: 09 Aug 2024 00:05

Instrument :

MSVOA_Y

ClientSampleId :

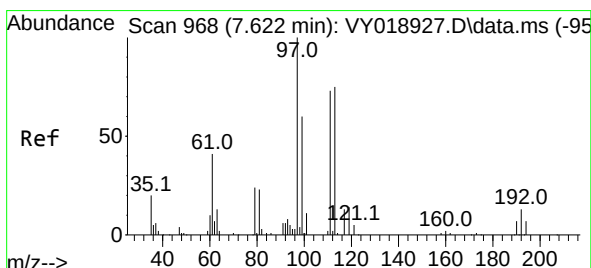
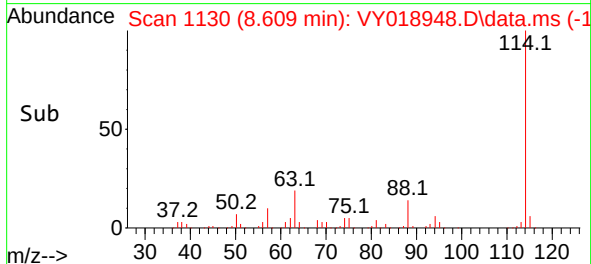
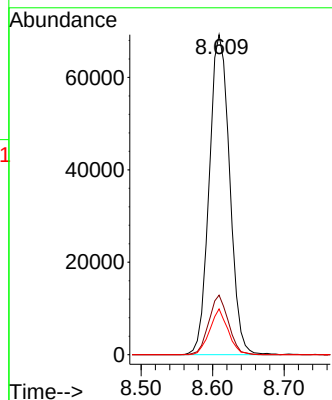
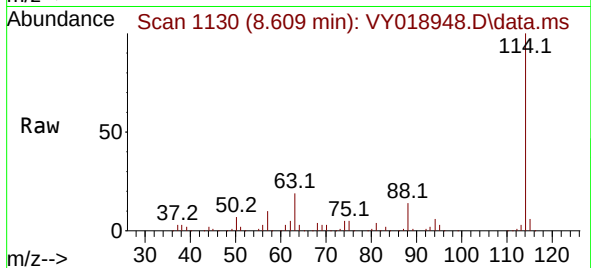
Tgt Ion:114 Resp: 137095

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.635 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY018948.D

Acq: 09 Aug 2024 00:05

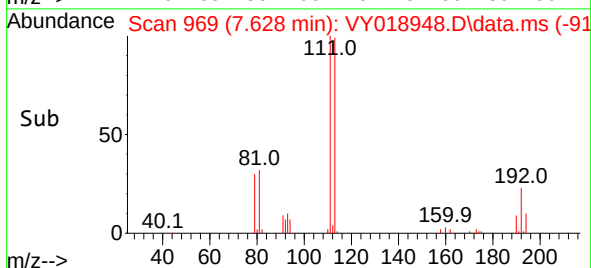
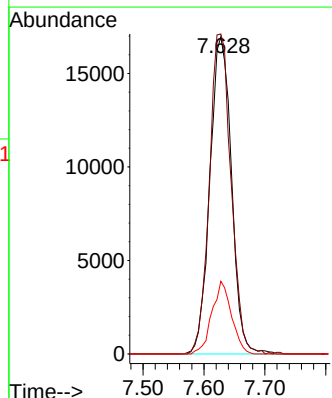
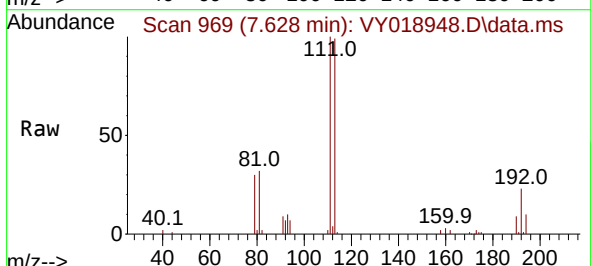
Tgt Ion:113 Resp: 41710

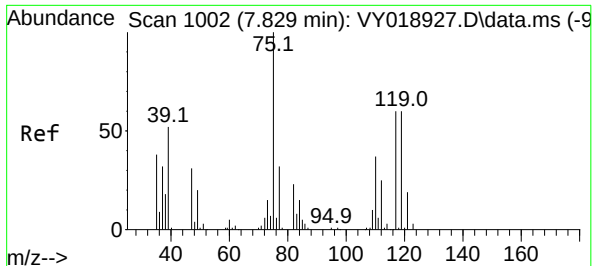
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

192 20.8 15.9 23.9

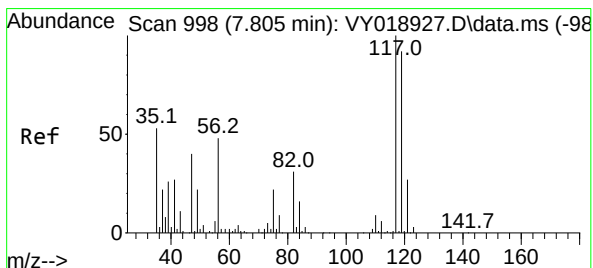
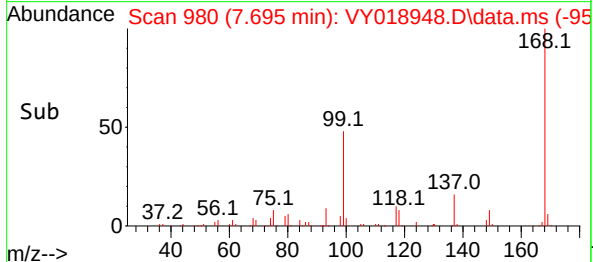
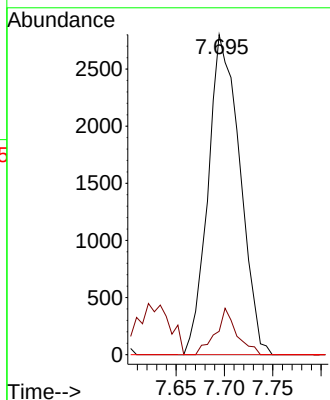
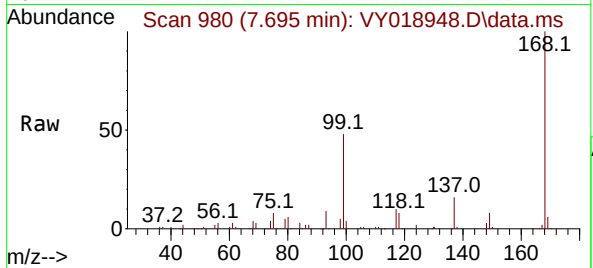




#36
1,1-Dichloropropene
Concen: 5.455 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.135 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

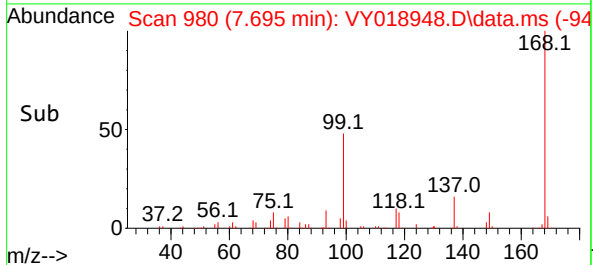
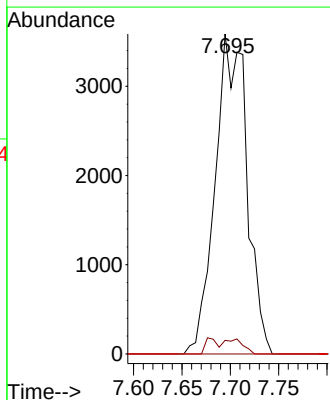
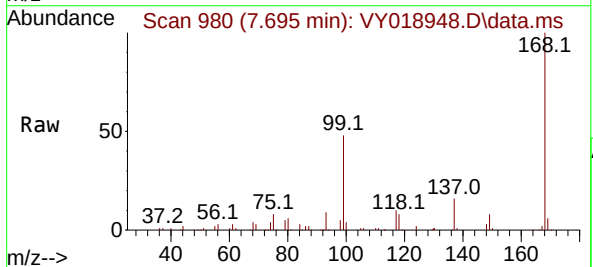
Instrument :
MSVOA_Y
ClientSampleId :

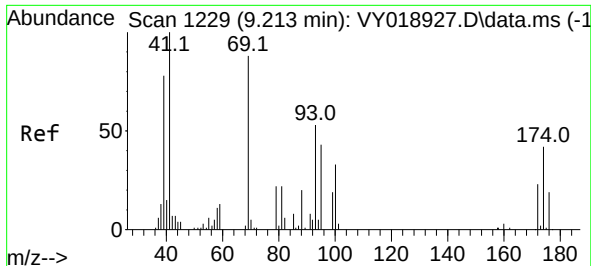
Tgt Ion: 75 Resp: 6412
Ion Ratio Lower Upper
75 100
110 9.6 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.052 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

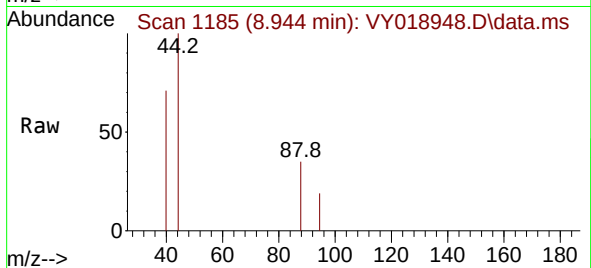
Tgt Ion: 117 Resp: 8156
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.0 36.0#



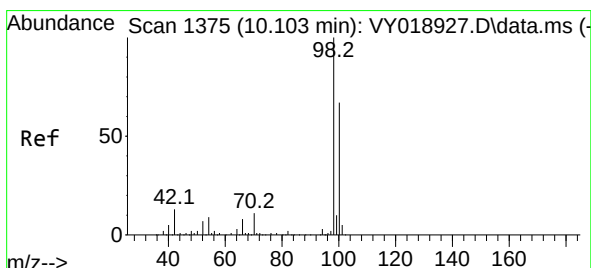
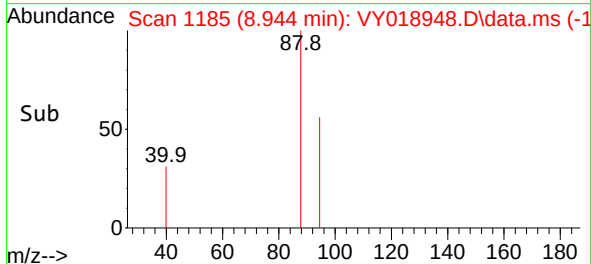
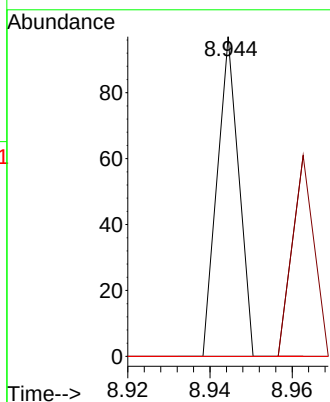


#49
1,4-Dioxane
Concen: 6.031 ug/l
RT: 8.944 min Scan# 1185
Delta R.T. -0.269 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

Instrument :
MSVOA_Y
ClientSampleId :

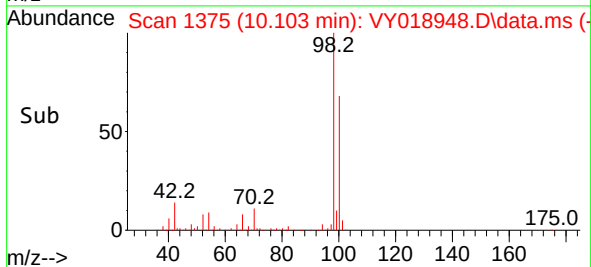
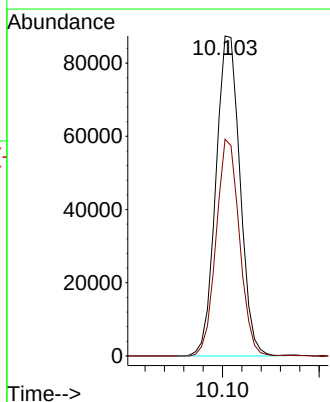
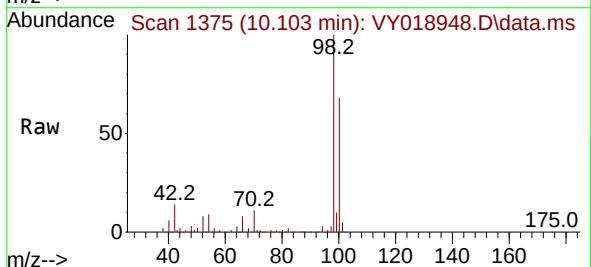


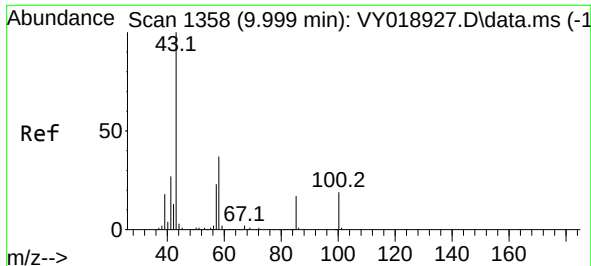
Tgt Ion: 88 Resp: 36
Ion Ratio Lower Upper
88 100
43 61.1 0.0 0.0#
58 0.0 49.3 73.9#



#50
Toluene-d8
Concen: 44.905 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

Tgt Ion: 98 Resp: 151027
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.709 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.103 min

Lab File: VY018948.D

Acq: 09 Aug 2024 00:05

Instrument :

MSVOA_Y

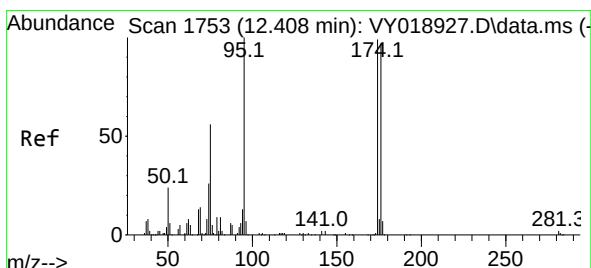
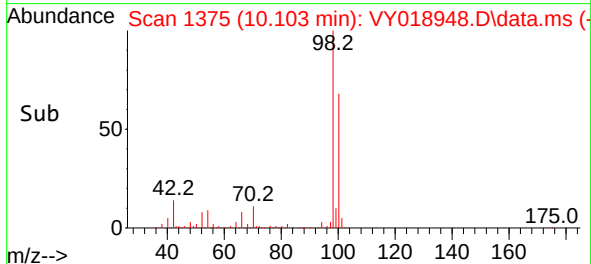
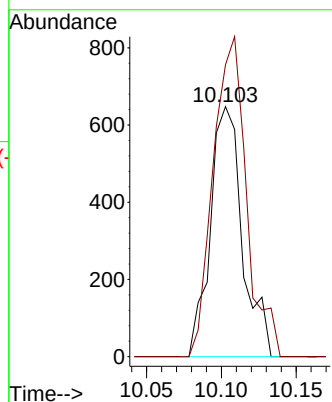
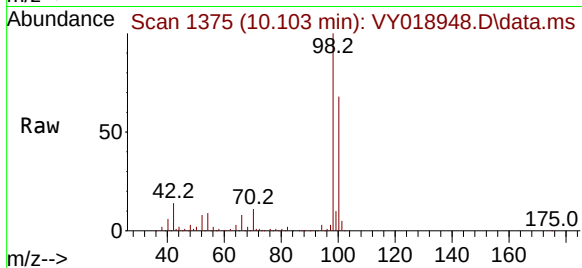
ClientSampleId :

Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

58 133.1 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 30.412 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY018948.D

Acq: 09 Aug 2024 00:05

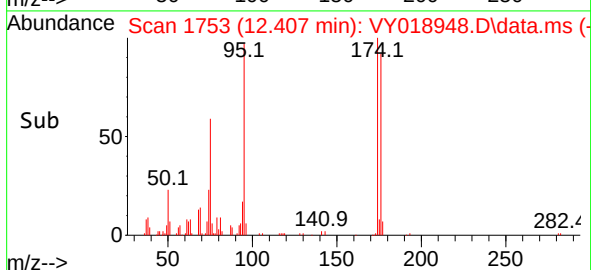
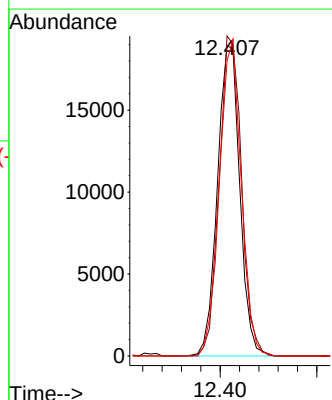
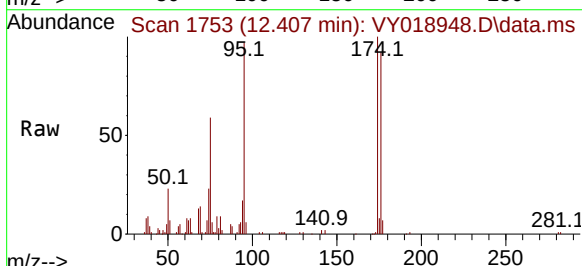
Tgt Ion: 95 Resp: 30345

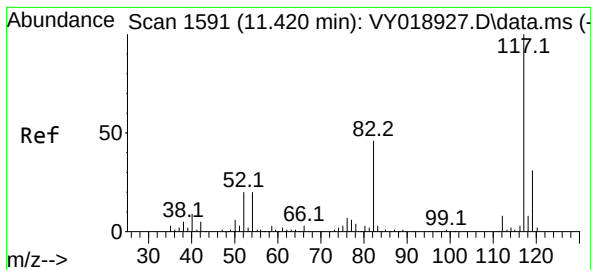
Ion Ratio Lower Upper

95 100

174 102.5 0.0 175.6

176 99.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018948.D

Acq: 09 Aug 2024 00:05

Instrument :

MSVOA_Y

ClientSampleId :

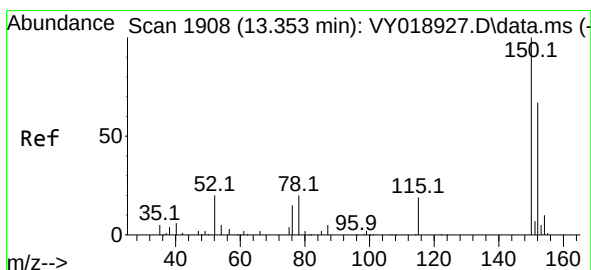
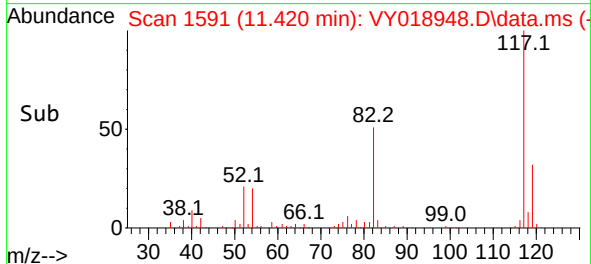
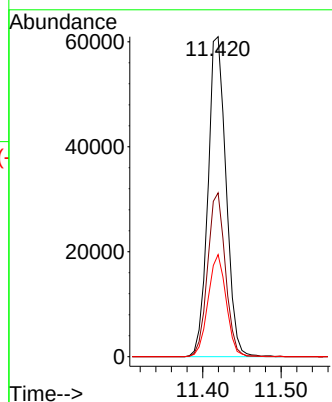
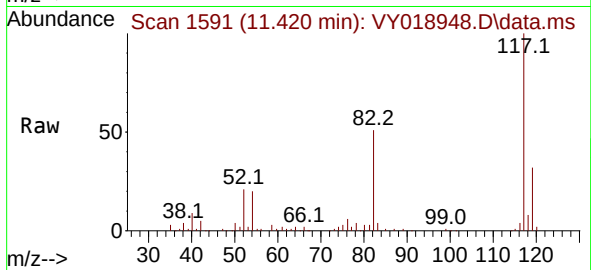
Tgt Ion:117 Resp: 97559

Ion Ratio Lower Upper

117 100

82 51.2 42.4 63.6

119 31.9 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY018948.D

Acq: 09 Aug 2024 00:05

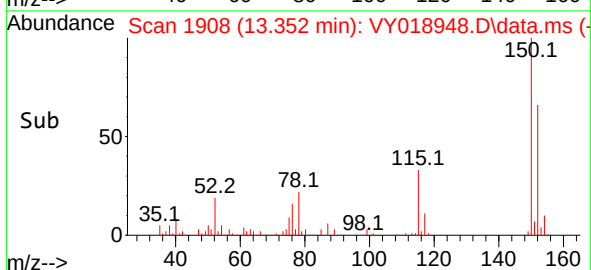
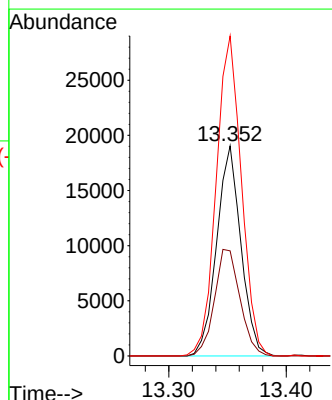
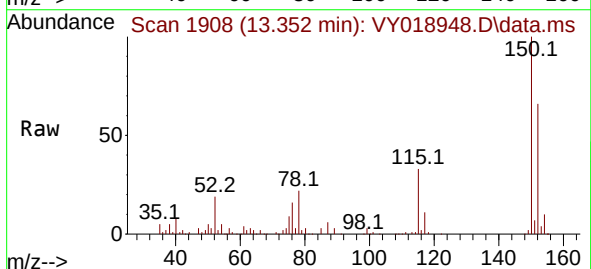
Tgt Ion:152 Resp: 27356

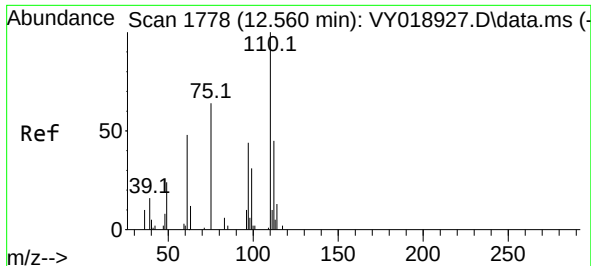
Ion Ratio Lower Upper

152 100

115 53.4 28.2 84.7

150 157.9 0.0 345.6

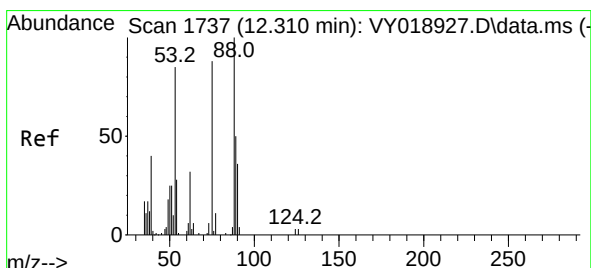
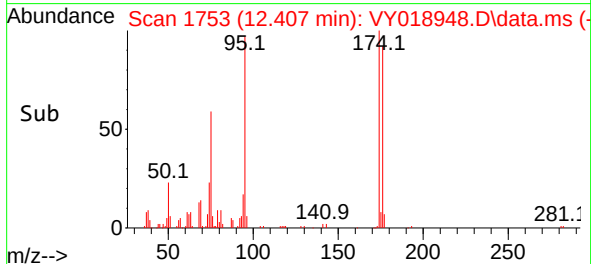
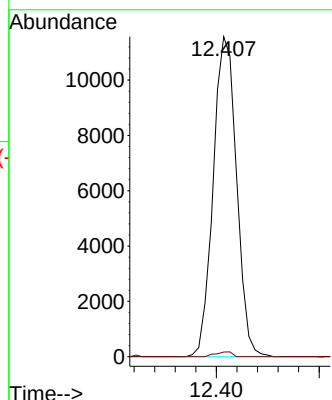
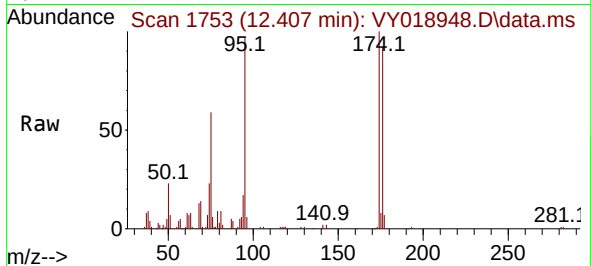




#76
1,2,3-Trichloropropane
Concen: 89.486 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 18237
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 184.393 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY018948.D
Acq: 09 Aug 2024 00:05

Tgt Ion: 75 Resp: 18237
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

