

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081224\
 Data File : VY018990.D
 Acq On : 12 Aug 2024 10:12
 Operator : SY/MD
 Sample : VY0812SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 13 01:09:32 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)

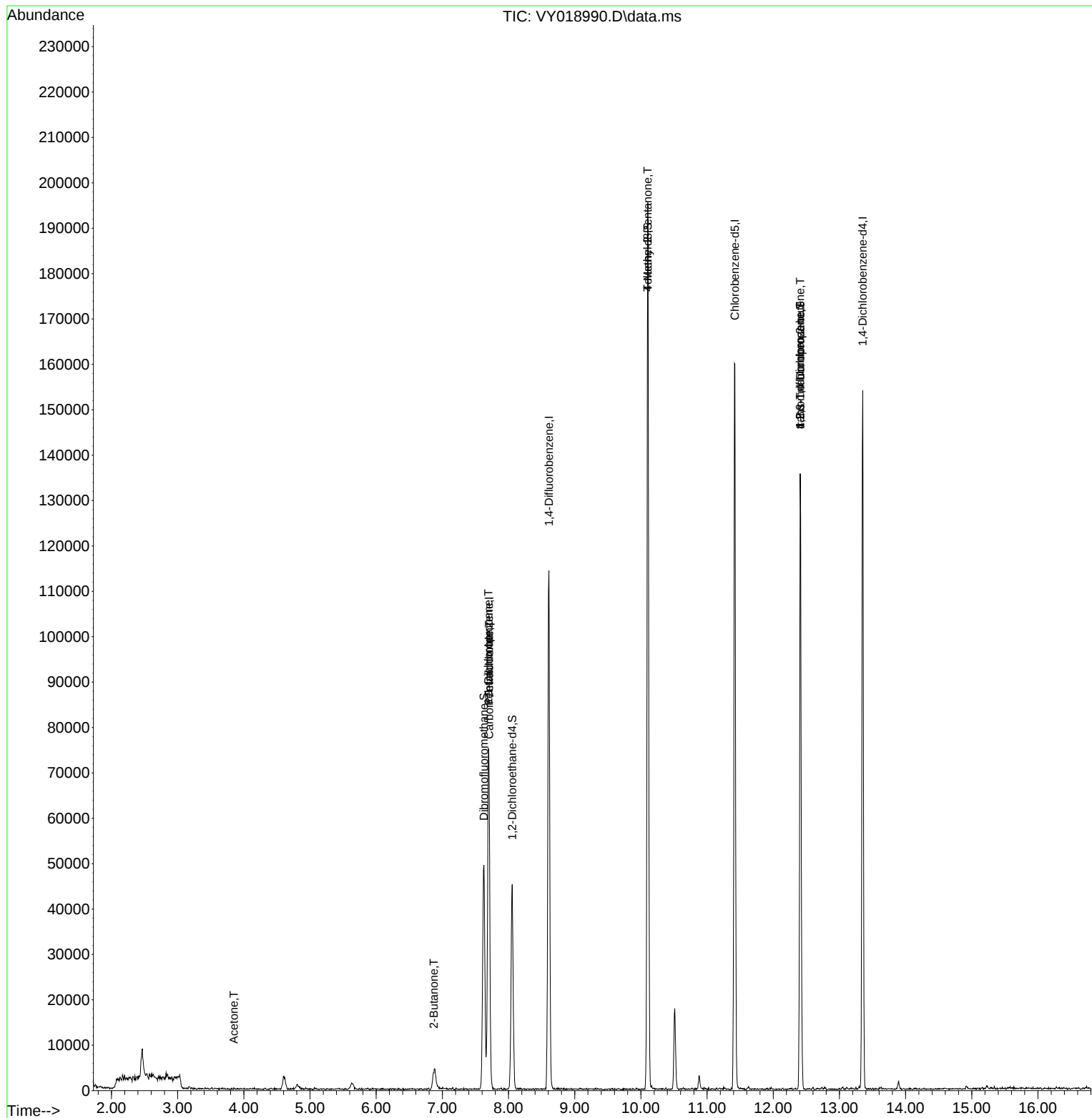
Internal Standards						
1) Pentafluorobenzene	7.701	168	62509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	98706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	82856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	36816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	28349	51.654	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.300%	
35) Dibromofluoromethane	7.628	113	31555	50.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.100%	
50) Toluene-d8	10.103	98	119476	49.340	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.408	95	32665	45.469	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	206	Below Cal		98
11) Tert butyl alcohol	4.805	59	972	Below Cal	#	88
13) Acrolein	3.690	56	26	Below Cal	#	15
16) Acetone	3.848	43	100	13.196	ug/l #	36
20) Methylene Chloride	4.623	84	1904	Below Cal		94
25) 2-Butanone	6.872	43	205	1.154	ug/l #	41
31) Cyclohexane	7.695	56	1549	Below Cal	#	58
36) 1,1-Dichloropropene	7.695	75	4846	5.726	ug/l #	49
38) Carbon Tetrachloride	7.707	117	5831	6.010	ug/l #	21
41) Methacrylonitrile	7.055	41	61	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.103	43	804	1.982	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	18224	66.445	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	18224	136.915	ug/l #	16

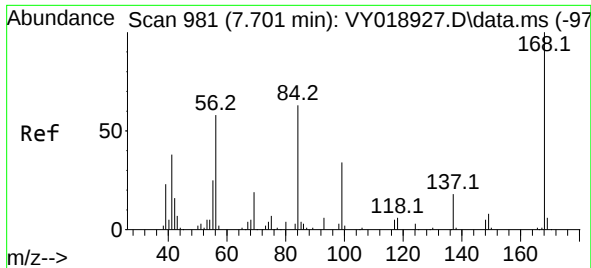
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 13 01:09:32 2024
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Quant Title : SW846 8260
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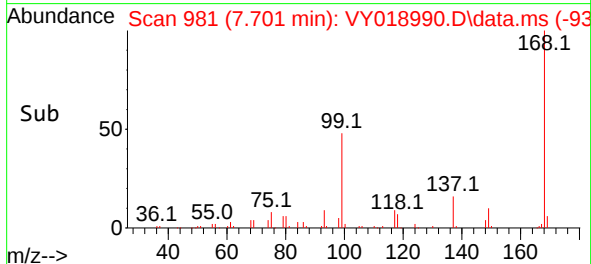
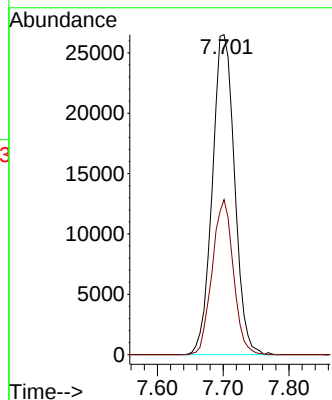
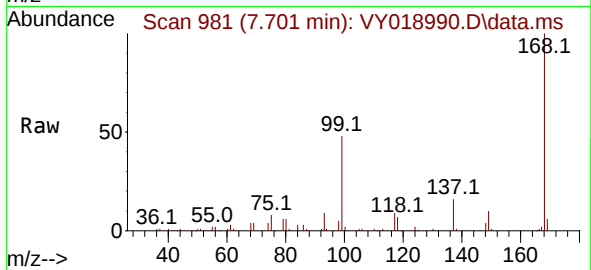




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

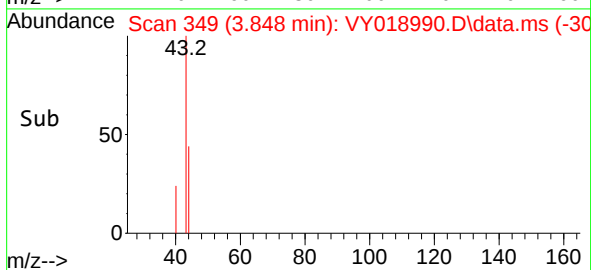
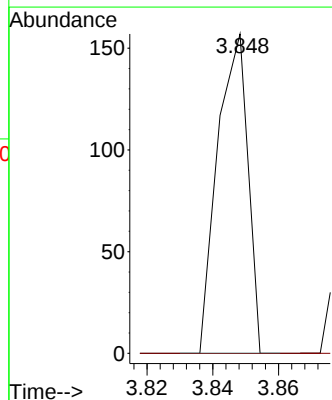
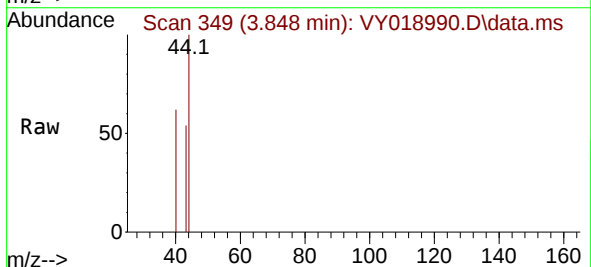
Instrument :
MSVOA_Y
ClientSampleId :

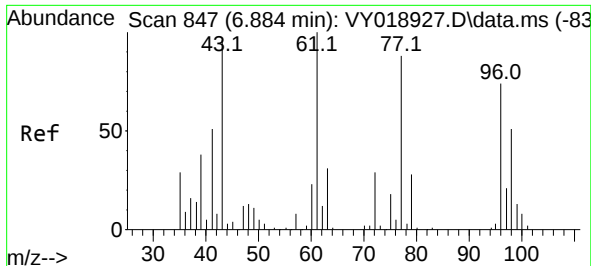
Tgt Ion:168 Resp: 62509
Ion Ratio Lower Upper
168 100
99 48.4 39.1 58.7



#16
Acetone
Concen: 13.196 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

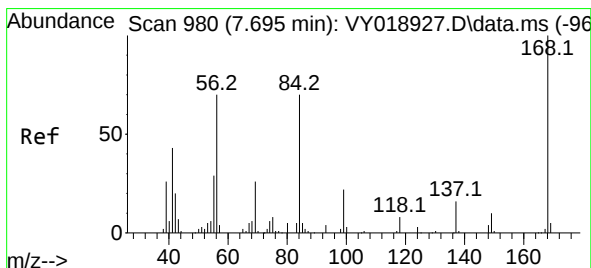
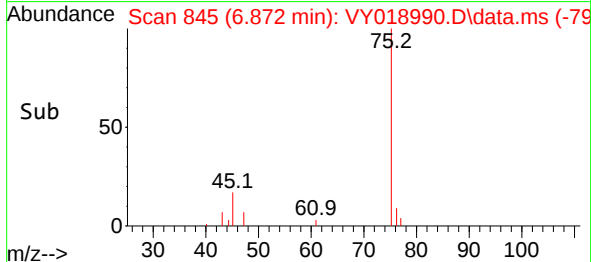
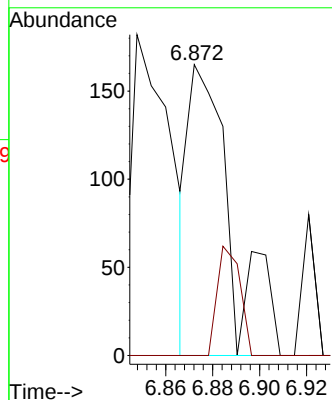
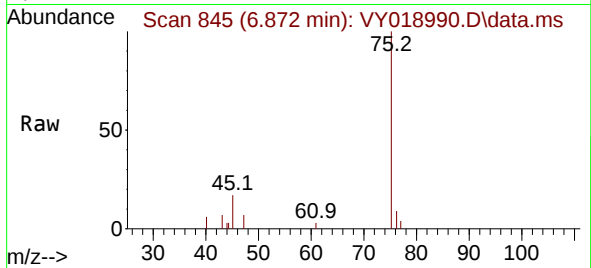




#25
2-Butanone
Concen: 1.154 ug/l
RT: 6.872 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

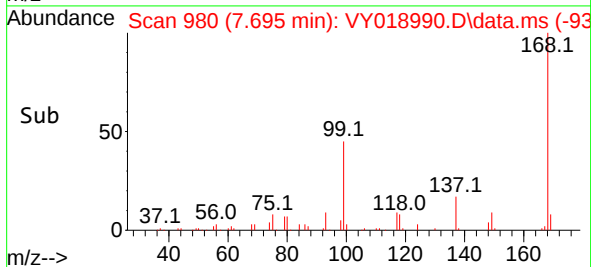
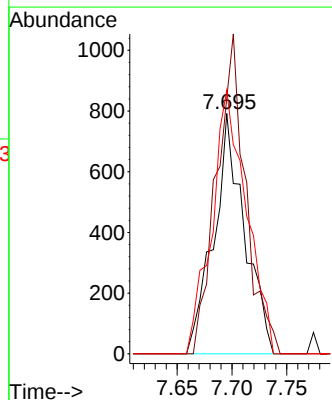
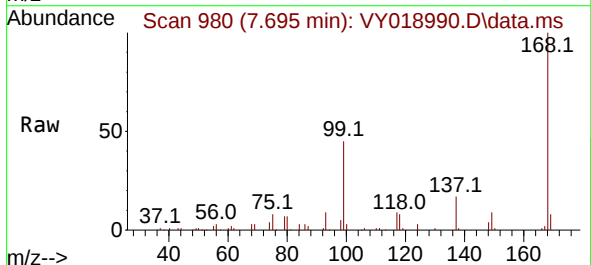
Instrument :
MSVOA_Y
ClientSampleId :

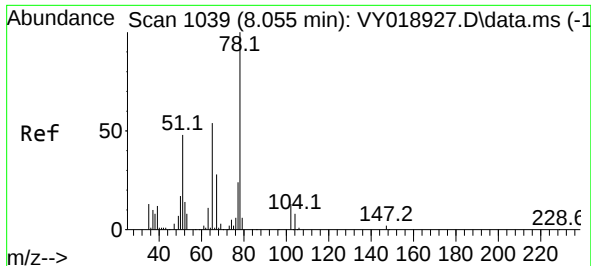
Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

Tgt Ion: 56 Resp: 1549
Ion Ratio Lower Upper
56 100
69 106.3 28.7 43.1#
84 109.6 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 51.654 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY018990.D

Acq: 12 Aug 2024 10:12

Instrument :

MSVOA_Y

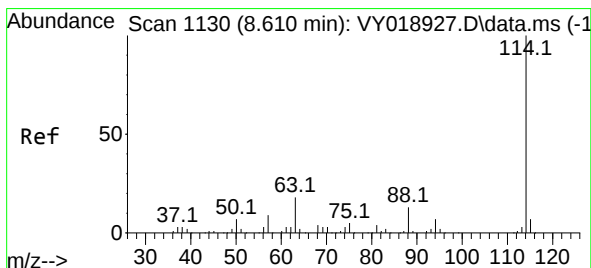
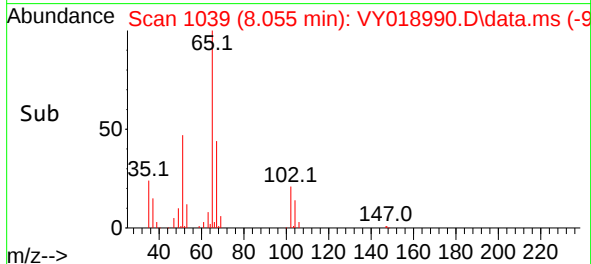
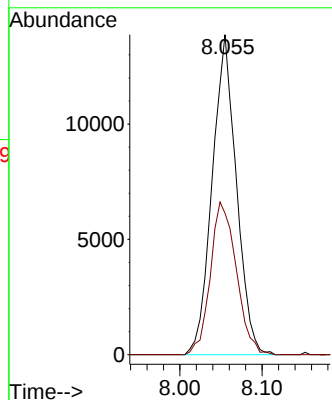
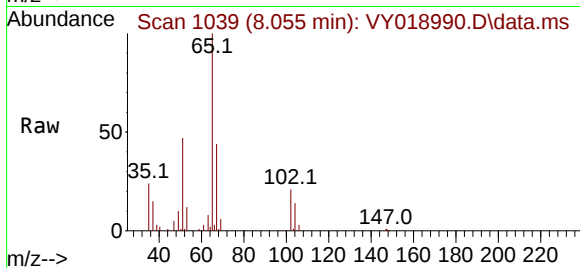
ClientSampleId :

Tgt Ion: 65 Resp: 28349

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY018990.D

Acq: 12 Aug 2024 10:12

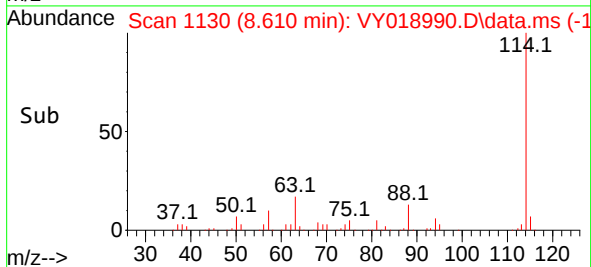
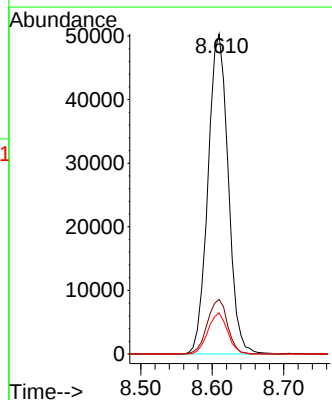
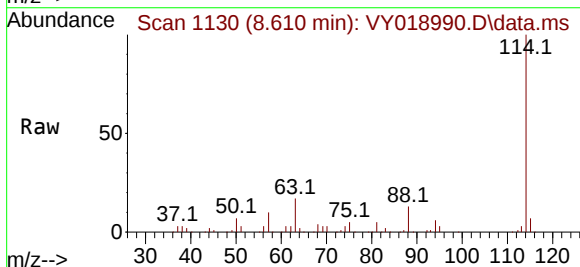
Tgt Ion: 114 Resp: 98706

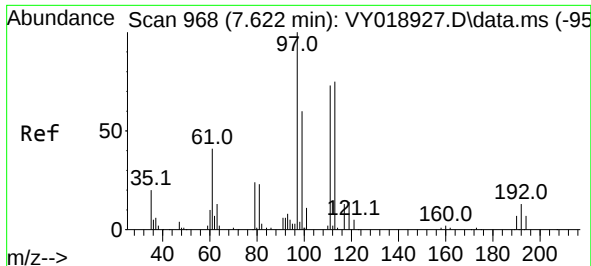
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

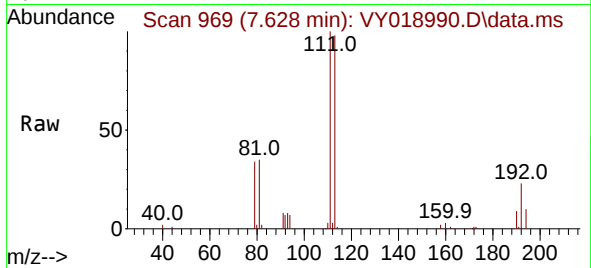
88 12.9 0.0 27.2



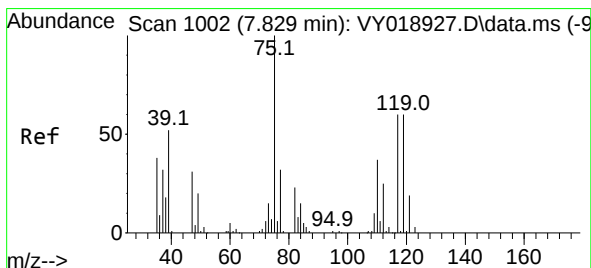
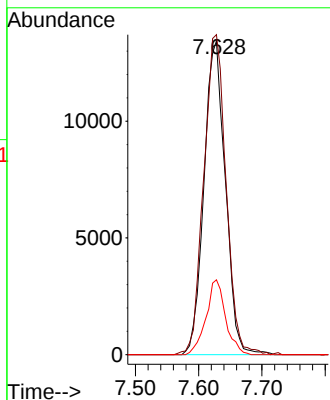
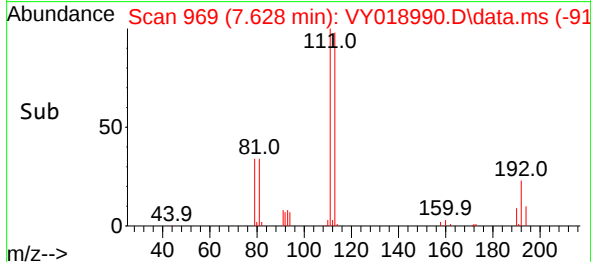


#35
Dibromofluoromethane
Concen: 50.054 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

Instrument :
MSVOA_Y
ClientSampleId :

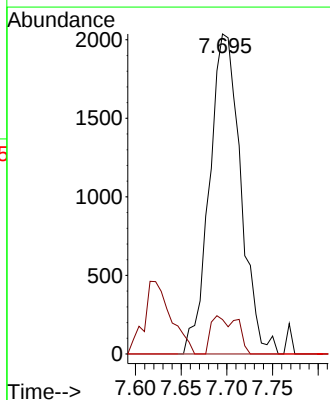
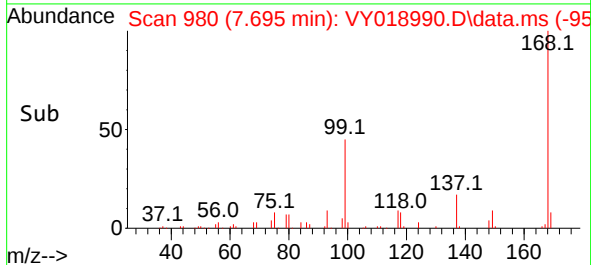
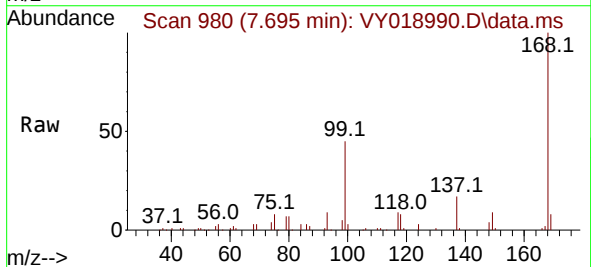


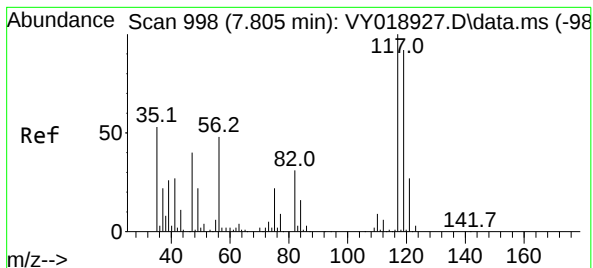
Tgt Ion:113 Resp: 31555
Ion Ratio Lower Upper
113 100
111 106.4 82.2 123.4
192 21.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.726 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

Tgt Ion: 75 Resp: 4846
Ion Ratio Lower Upper
75 100
110 10.0 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.010 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.097 min

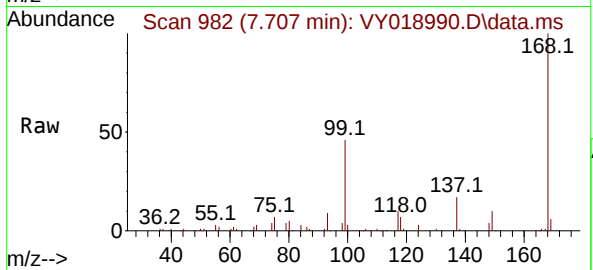
Lab File: VY018990.D

Acq: 12 Aug 2024 10:12

Instrument :

MSVOA_Y

ClientSampleId :



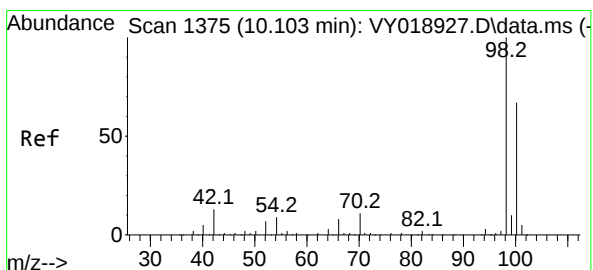
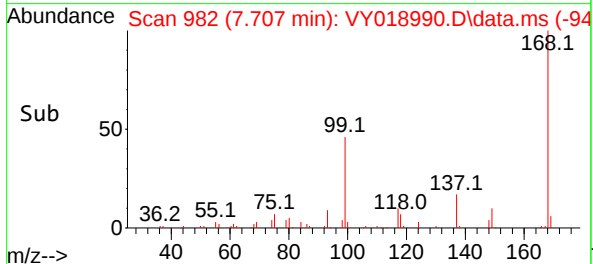
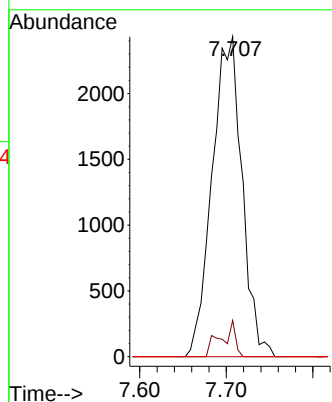
Tgt Ion:117 Resp: 5831

Ion Ratio Lower Upper

117 100

119 11.3 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 49.340 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY018990.D

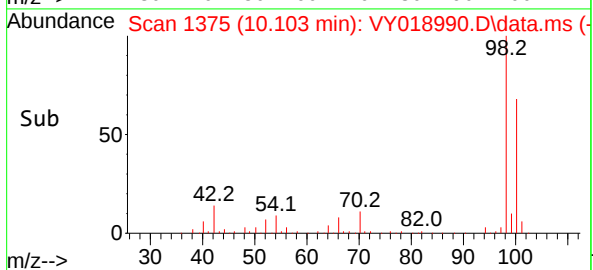
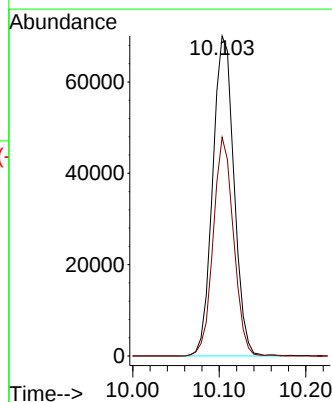
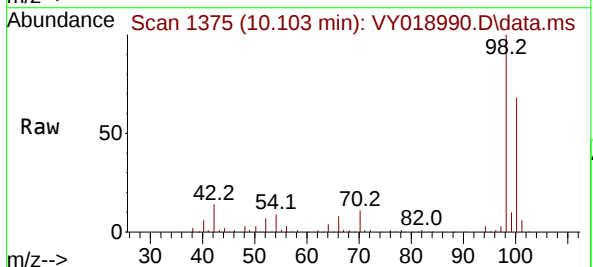
Acq: 12 Aug 2024 10:12

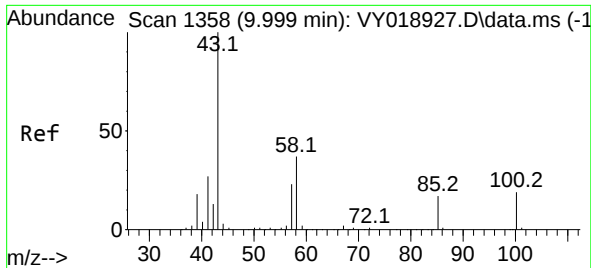
Tgt Ion: 98 Resp: 119476

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.982 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.104 min

Lab File: VY018990.D

Acq: 12 Aug 2024 10:12

Instrument :

MSVOA_Y

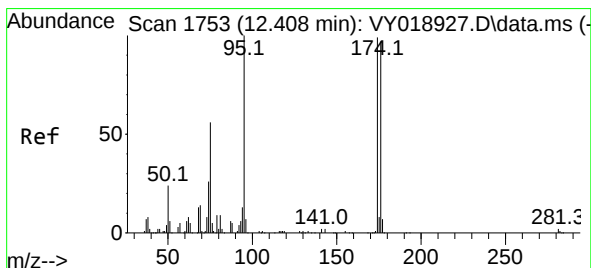
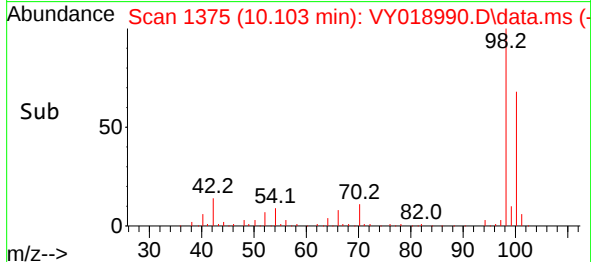
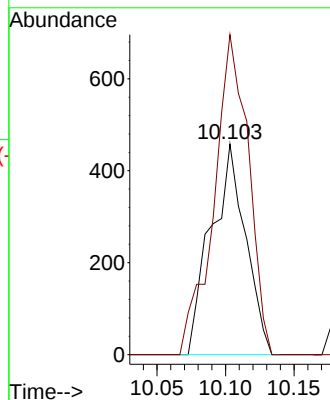
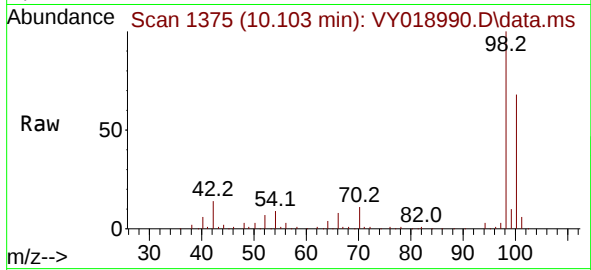
ClientSampleId :

Tgt Ion: 43 Resp: 804

Ion Ratio Lower Upper

43 100

58 151.9 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 45.469 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY018990.D

Acq: 12 Aug 2024 10:12

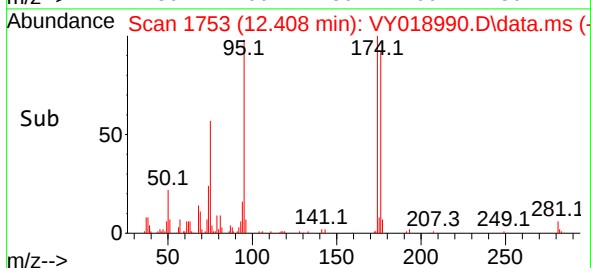
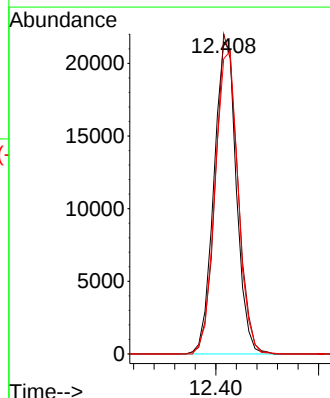
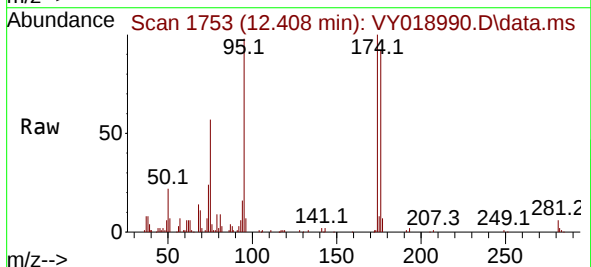
Tgt Ion: 95 Resp: 32665

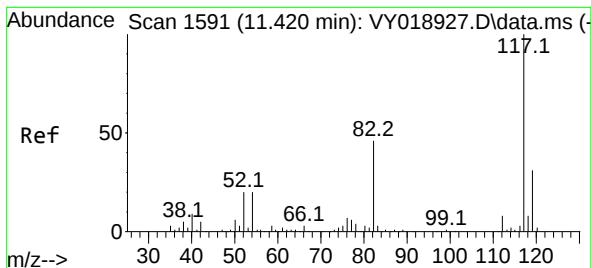
Ion Ratio Lower Upper

95 100

174 100.7 0.0 175.6

176 99.0 0.0 171.4

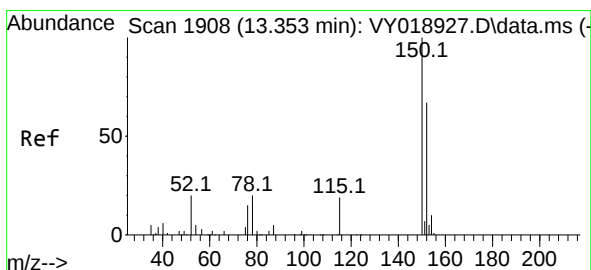
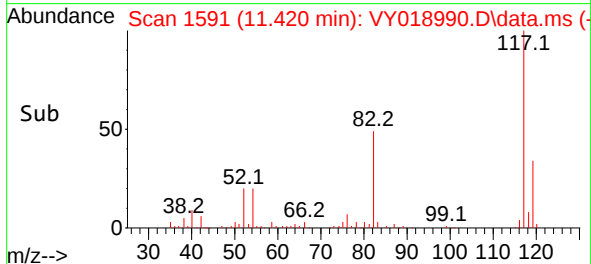
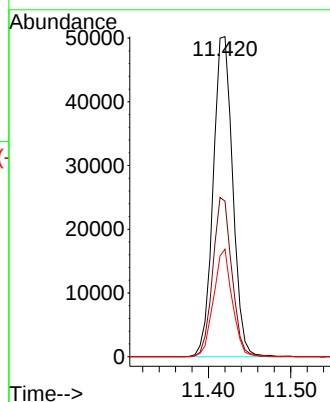
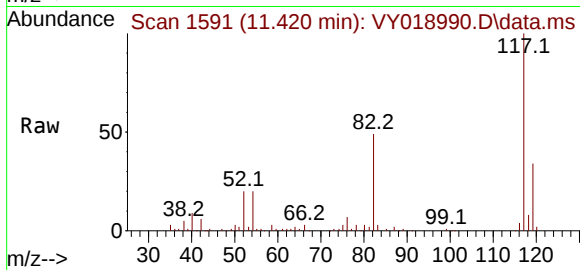




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

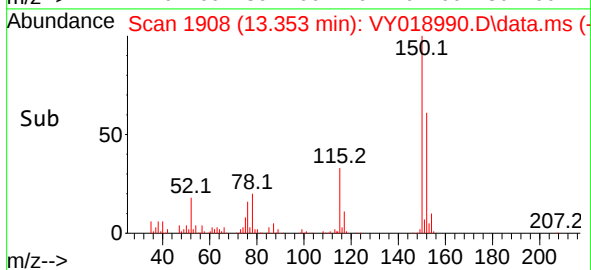
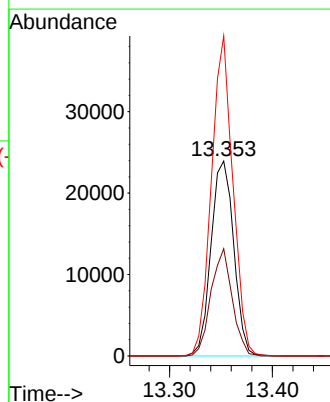
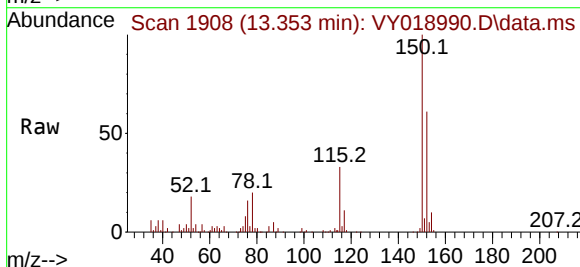
Instrument :
MSVOA_Y
ClientSampleId :

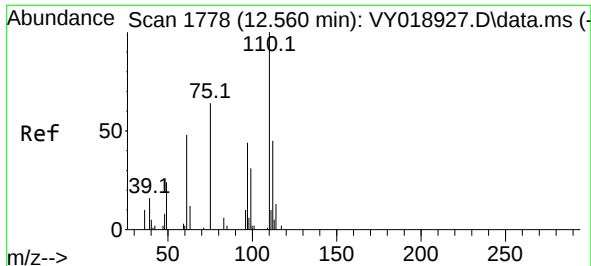
Tgt Ion:117 Resp: 82856
Ion Ratio Lower Upper
117 100
82 48.6 42.4 63.6
119 33.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

Tgt Ion:152 Resp: 36816
Ion Ratio Lower Upper
152 100
115 51.5 28.2 84.7
150 154.6 0.0 345.6

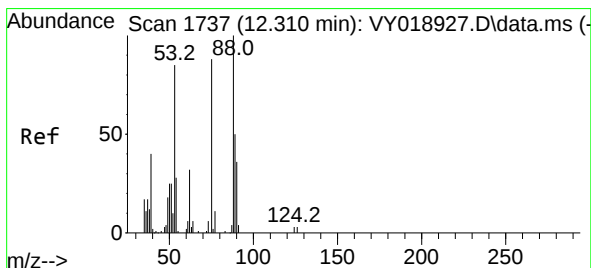
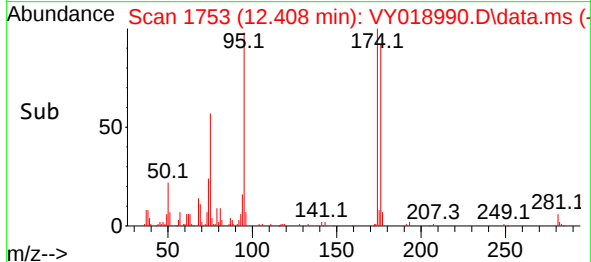
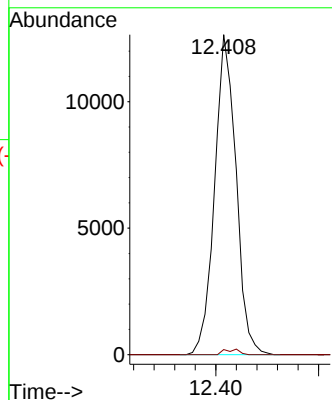
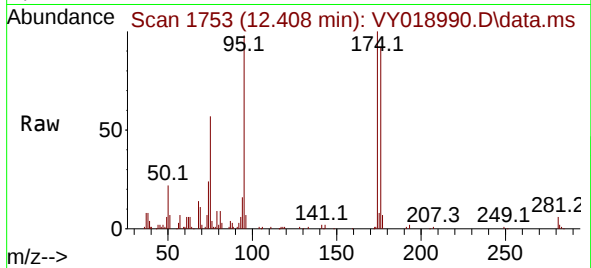




#76
1,2,3-Trichloropropane
Concen: 66.445 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 18224
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.915 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY018990.D
Acq: 12 Aug 2024 10:12

Tgt Ion: 75 Resp: 18224
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#

