

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019052.D
 Acq On : 14 Aug 2024 12:33
 Operator : SY/MD
 Sample : P3512-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 21:45:03 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)

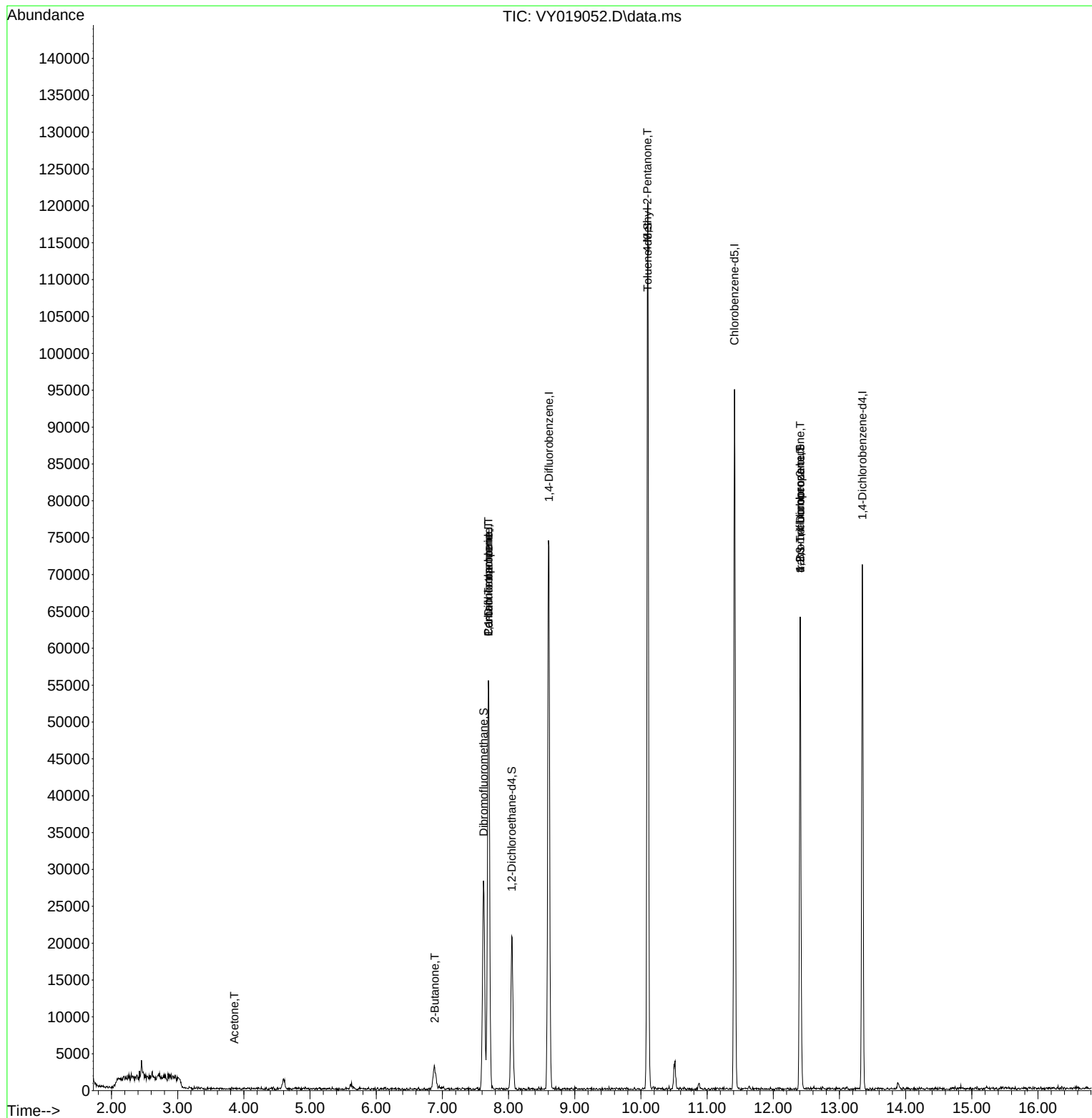
Internal Standards						
1) Pentafluorobenzene	7.695	168	45409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	65686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	47403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	16326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.048	65	12680	31.804	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	63.600%
35) Dibromofluoromethane	7.622	113	17748	42.305	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.600%
50) Toluene-d8	10.103	98	74518	46.244	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.480%
62) 4-Bromofluorobenzene	12.407	95	14568	30.472	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	60.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	57	Below Cal	#	43
11) Tert butyl alcohol	4.866	59	22	Below Cal	#	88
16) Acetone	3.854	43	139	13.807	ug/l #	36
20) Methylene Chloride	4.592	84	702	Below Cal	#	73
25) 2-Butanone	6.884	43	230	1.782	ug/l #	41
31) Cyclohexane	7.695	56	1145	Below Cal	#	51
36) 1,1-Dichloropropene	7.695	75	2985	5.300	ug/l #	50
38) Carbon Tetrachloride	7.695	117	4431	6.862	ug/l #	15
51) 4-Methyl-2-Pentanone	10.097	43	384	1.422	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	8554	70.330	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	8554	144.922	ug/l #	16

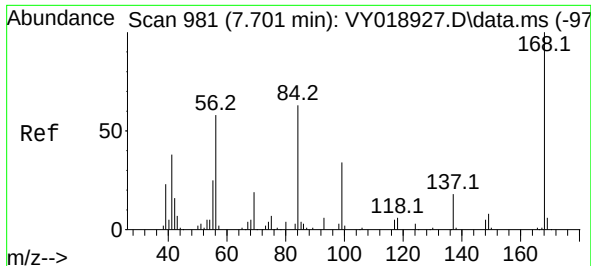
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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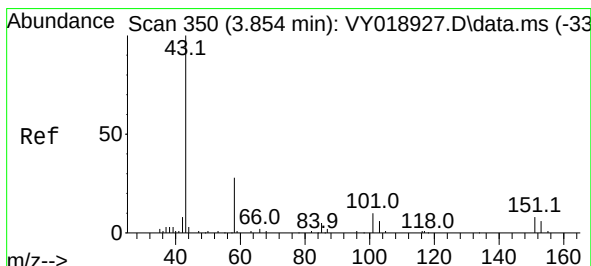
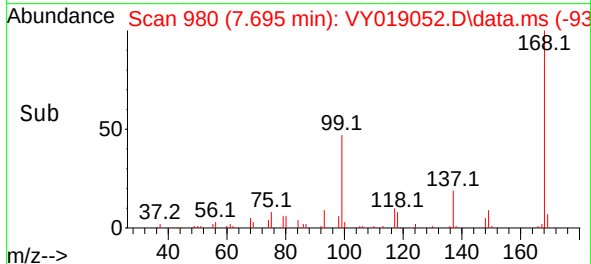
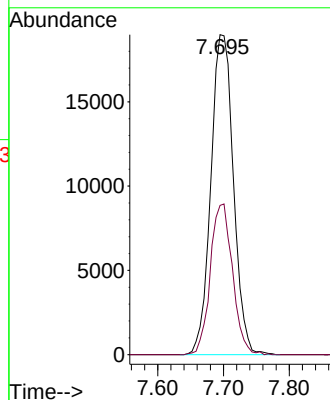
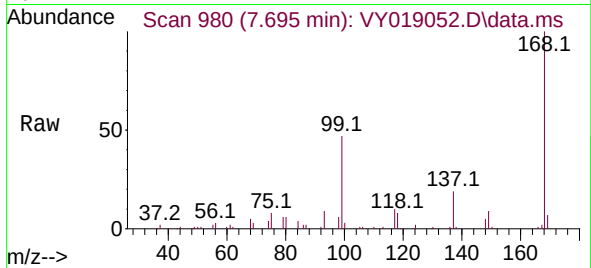




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019052.D
Acq: 14 Aug 2024 12:33

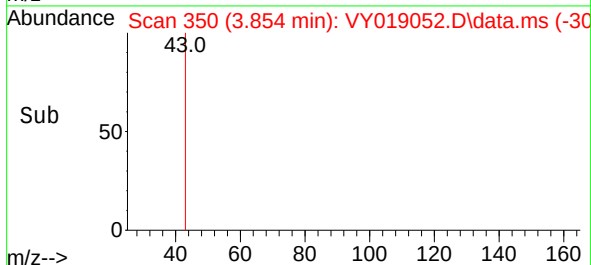
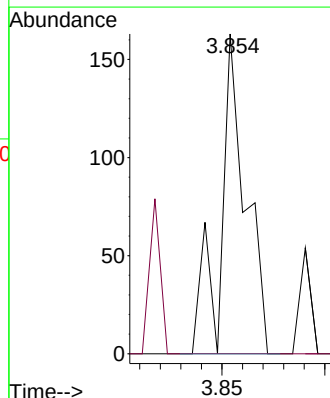
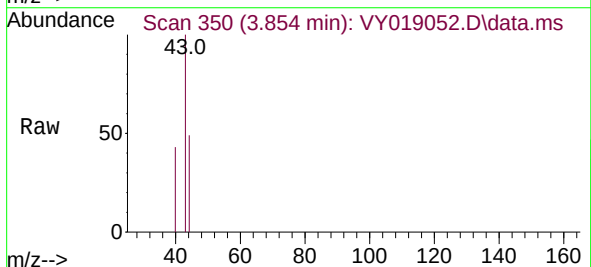
Instrument :
MSVOA_Y
ClientSampleId :

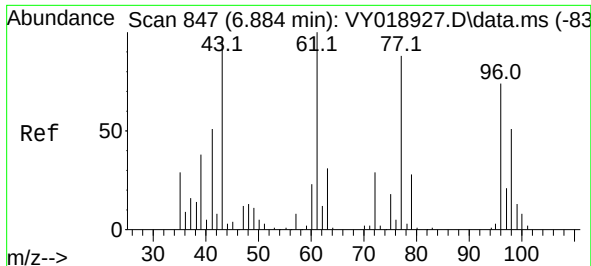
Tgt Ion:168 Resp: 45409
Ion Ratio Lower Upper
168 100
99 46.6 39.1 58.7



#16
Acetone
Concen: 13.807 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY019052.D
Acq: 14 Aug 2024 12:33

Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#25

2-Butanone

Concen: 1.782 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY019052.D

Acq: 14 Aug 2024 12:33

Instrument :

MSVOA_Y

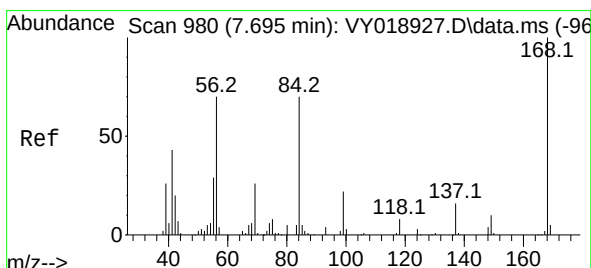
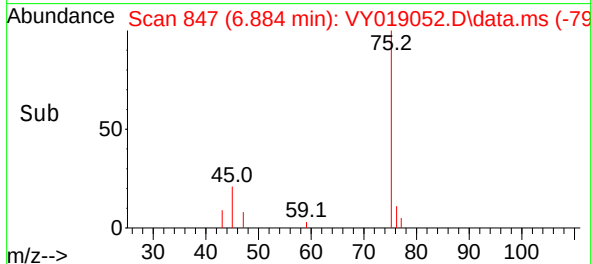
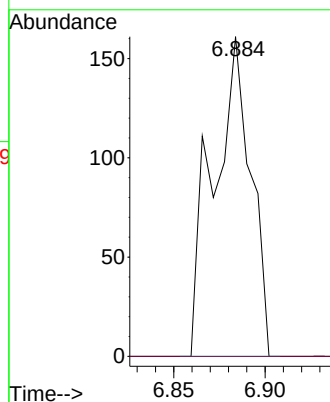
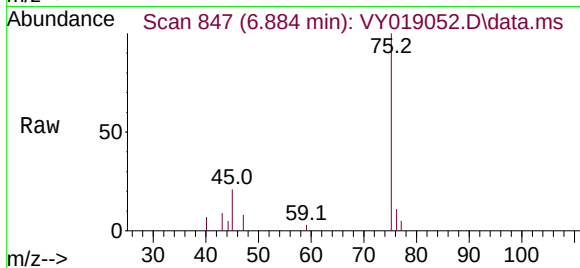
ClientSampleId :

Tgt Ion: 43 Resp: 230

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: VY019052.D

Acq: 14 Aug 2024 12:33

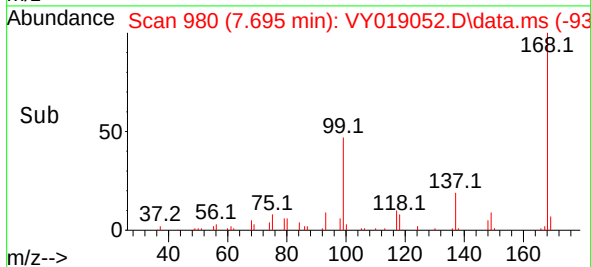
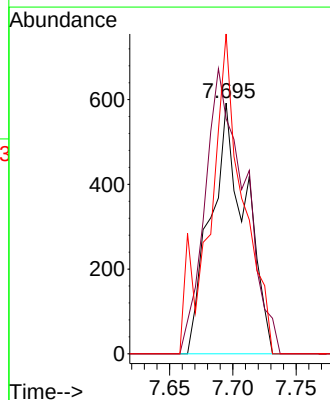
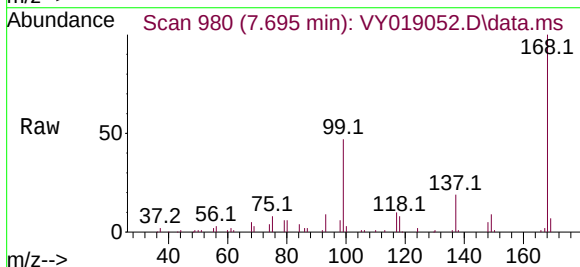
Tgt Ion: 56 Resp: 1145

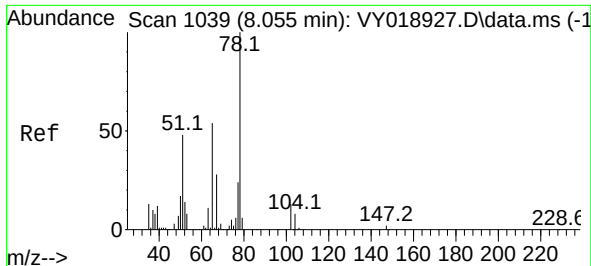
Ion Ratio Lower Upper

56 100

69 93.8 28.7 43.1#

84 127.5 77.7 116.5#

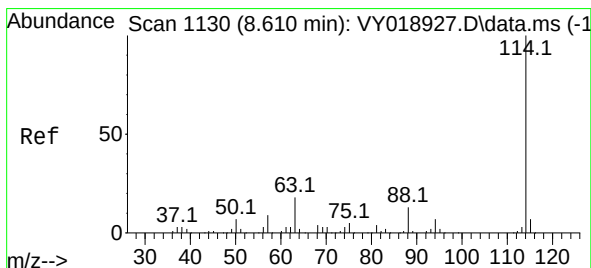
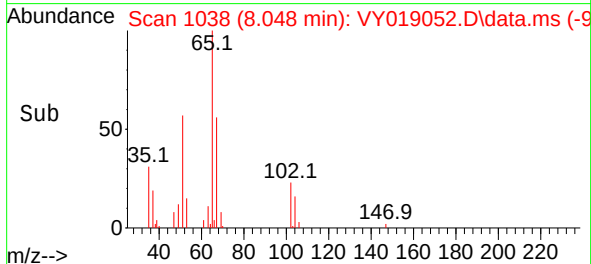
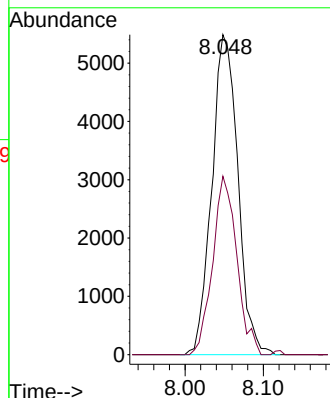
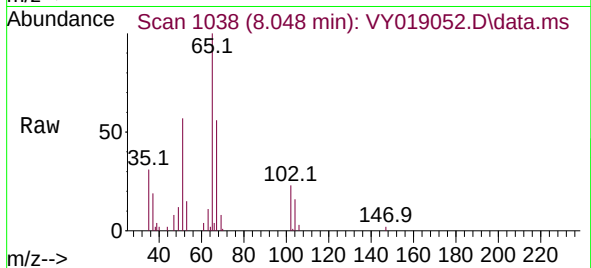




#33
1,2-Dichloroethane-d4
Concen: 31.804 ug/l
RT: 8.048 min Scan# 1103
Delta R.T. -0.007 min
Lab File: VY019052.D
Acq: 14 Aug 2024 12:33

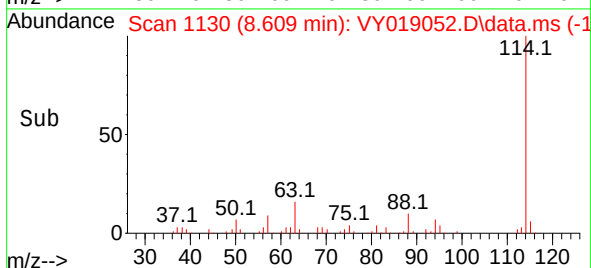
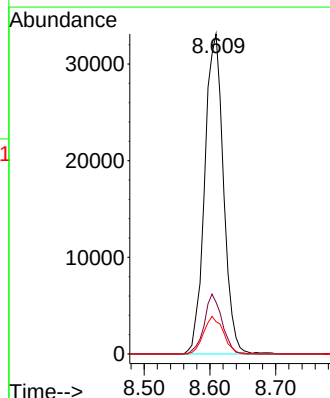
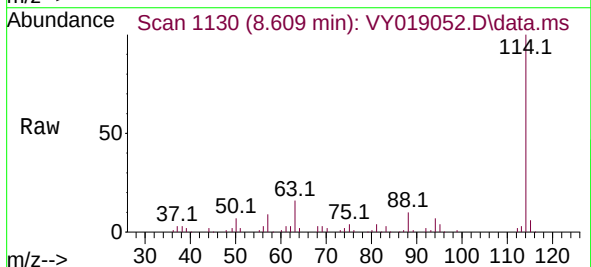
Instrument :
MSVOA_Y
ClientSampleId :

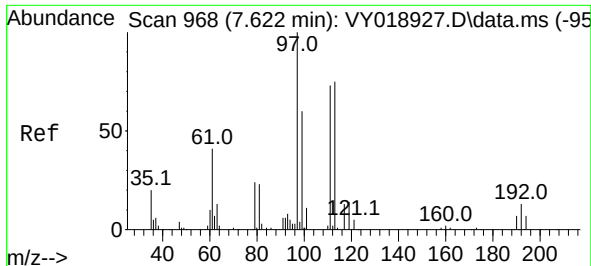
Tgt Ion: 65 Resp: 12680
Ion Ratio Lower Upper
65 100
67 51.7 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VY019052.D
Acq: 14 Aug 2024 12:33

Tgt Ion:114 Resp: 65686
Ion Ratio Lower Upper
114 100
63 16.2 0.0 35.0
88 10.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 42.305 ug/l

RT: 7.622 min Scan# 9

Delta R.T. -0.000 min

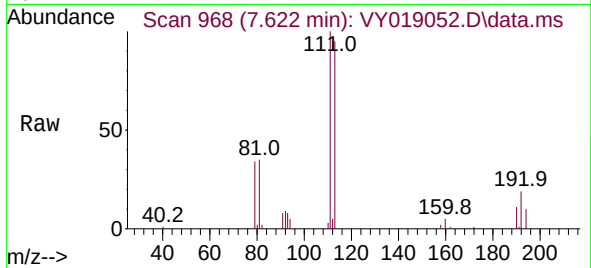
Lab File: VY019052.D

Acq: 14 Aug 2024 12:33

Instrument :

MSVOA_Y

ClientSampleId :



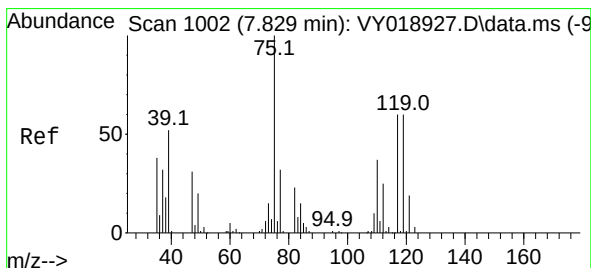
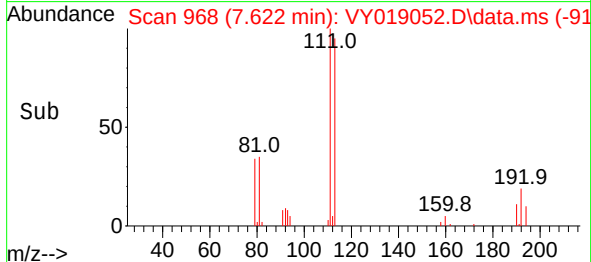
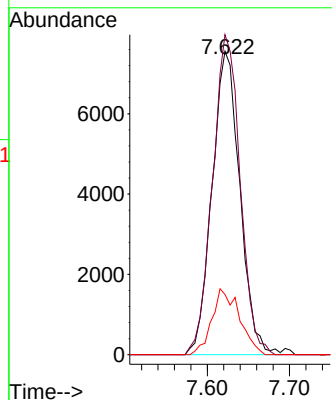
Tgt Ion:113 Resp: 17748

Ion Ratio Lower Upper

113 100

111 104.7 82.2 123.4

192 21.6 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.300 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY019052.D

Acq: 14 Aug 2024 12:33

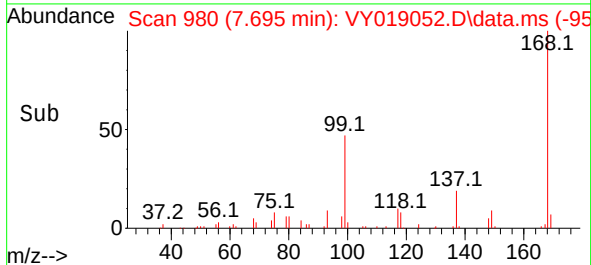
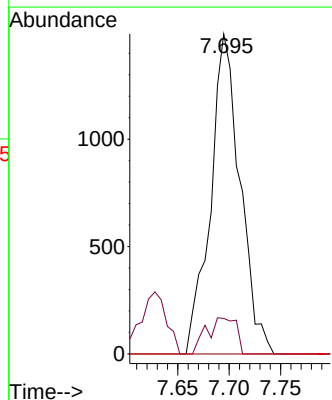
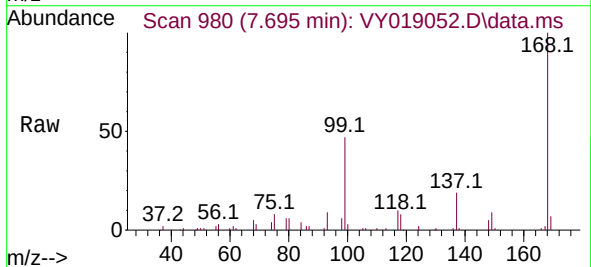
Tgt Ion: 75 Resp: 2985

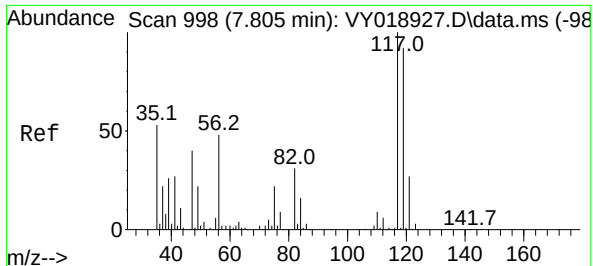
Ion Ratio Lower Upper

75 100

110 11.3 19.0 57.0#

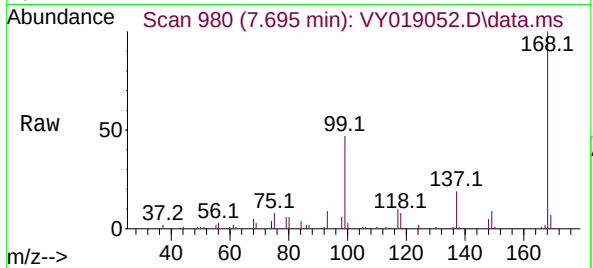
77 0.0 25.3 37.9#



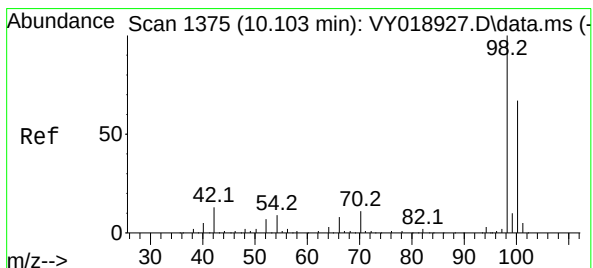
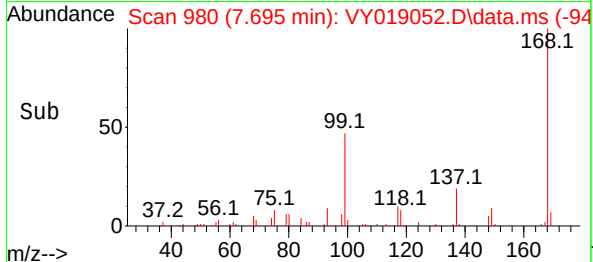
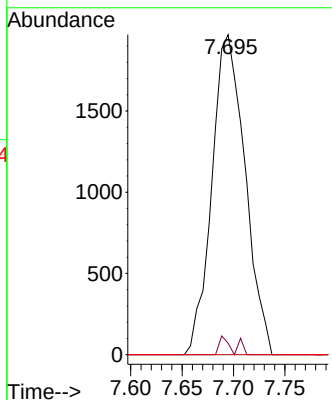


#38
Carbon Tetrachloride
Concen: 6.862 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY019052.D
Acq: 14 Aug 2024 12:33

Instrument :
MSVOA_Y
ClientSampleId :

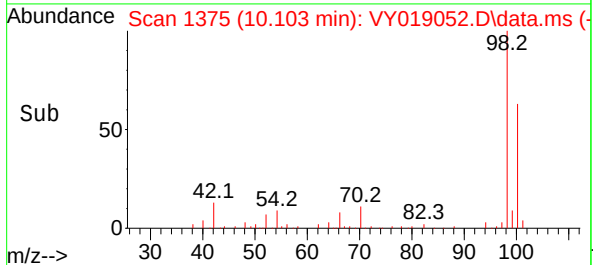
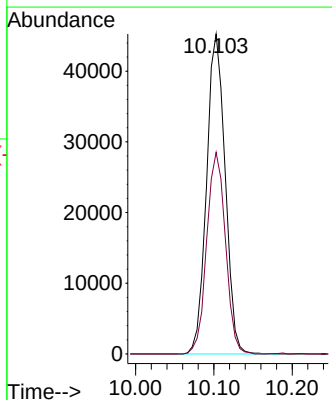
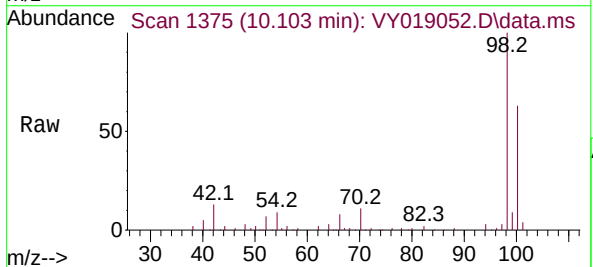


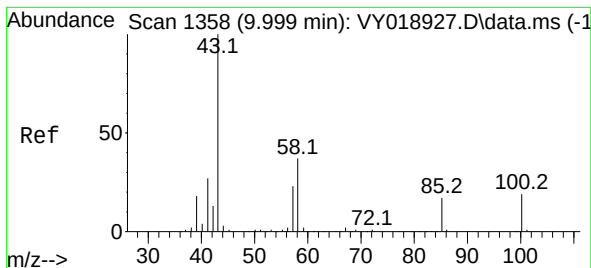
Tgt Ion:117 Resp: 4431
Ion Ratio Lower Upper
117 100
119 3.6 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.244 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019052.D
Acq: 14 Aug 2024 12:33

Tgt Ion: 98 Resp: 74518
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.422 ug/l

RT: 10.097 min Scan# 1358

Delta R.T. 0.097 min

Lab File: VY019052.D

Acq: 14 Aug 2024 12:33

Instrument :

MSVOA_Y

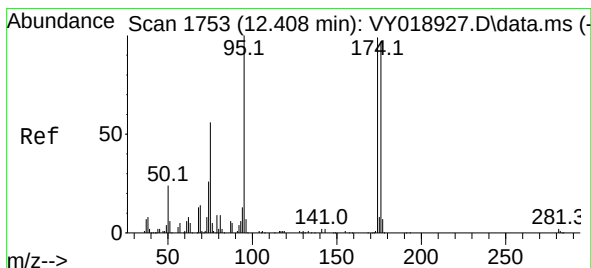
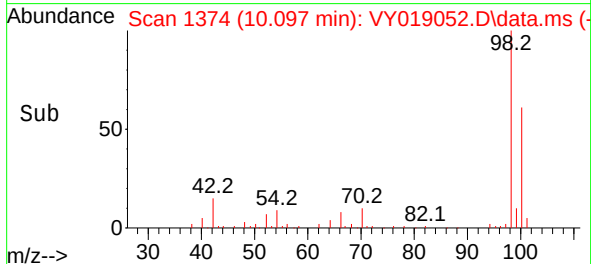
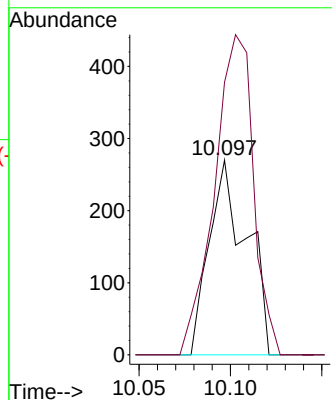
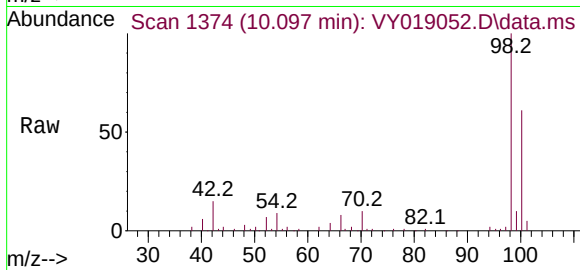
ClientSampleId :

Tgt Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

58 172.1 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 30.472 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.001 min

Lab File: VY019052.D

Acq: 14 Aug 2024 12:33

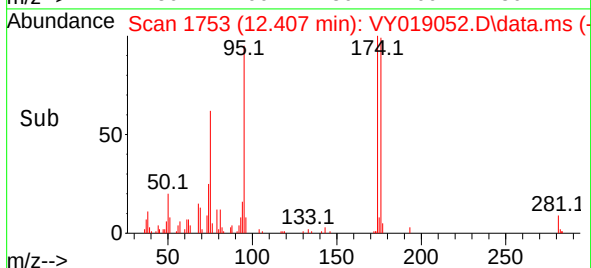
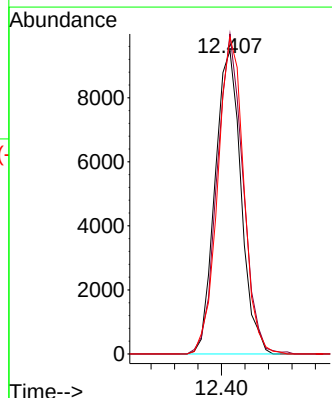
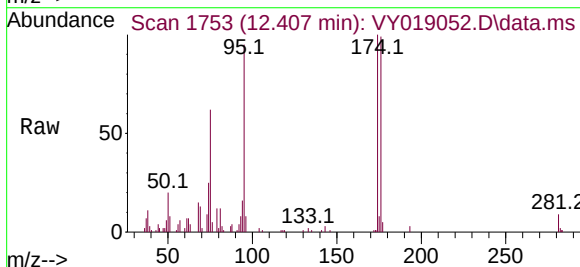
Tgt Ion: 95 Resp: 14568

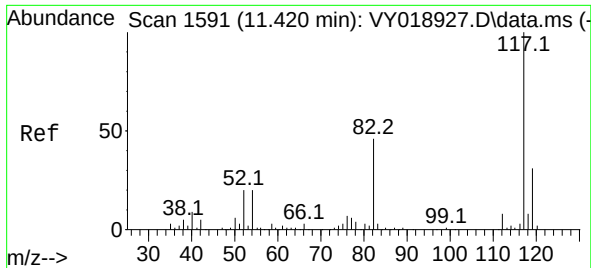
Ion Ratio Lower Upper

95 100

174 104.6 0.0 175.6

176 104.1 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: VY019052.D

Acq: 14 Aug 2024 12:33

Instrument :

MSVOA_Y

ClientSampleId :

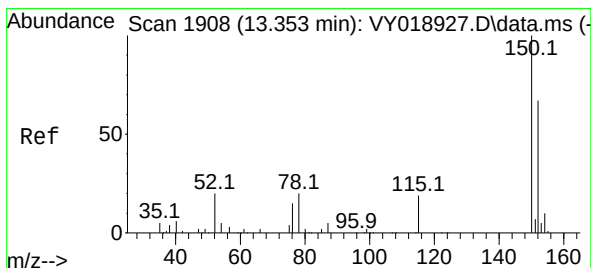
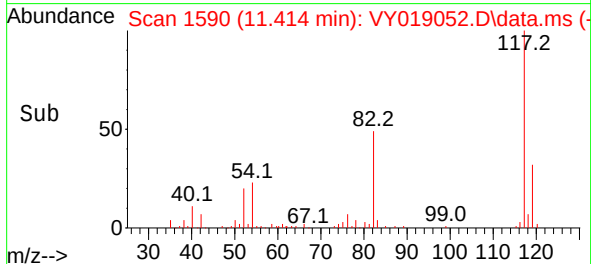
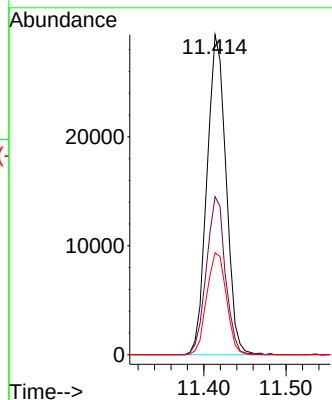
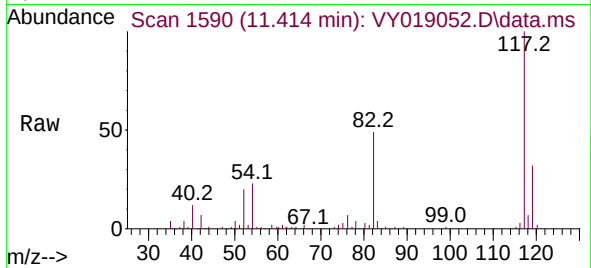
Tgt Ion:117 Resp: 47403

Ion Ratio Lower Upper

117 100

82 49.4 42.4 63.6

119 31.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019052.D

Acq: 14 Aug 2024 12:33

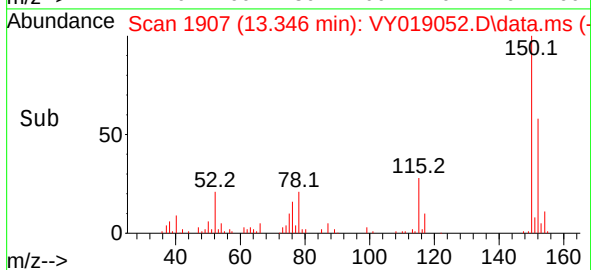
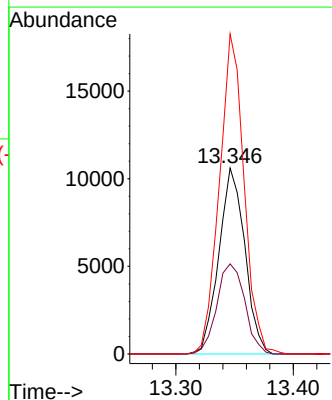
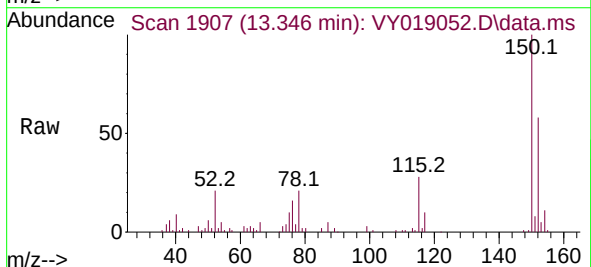
Tgt Ion:152 Resp: 16326

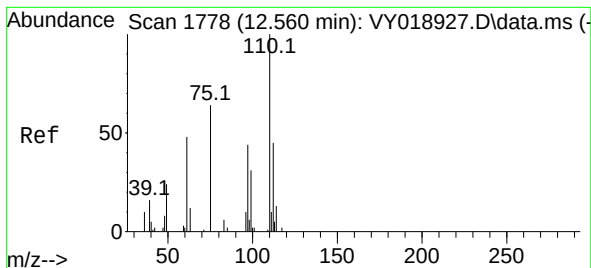
Ion Ratio Lower Upper

152 100

115 51.9 28.2 84.7

150 163.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 70.330 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY019052.D

Acq: 14 Aug 2024 12:33

Instrument :

MSVOA_Y

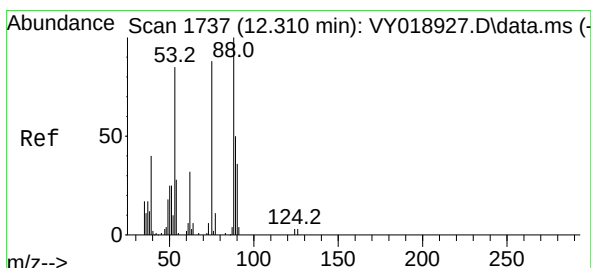
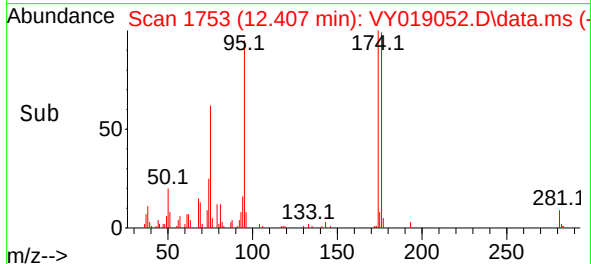
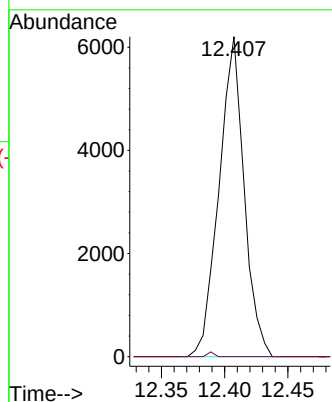
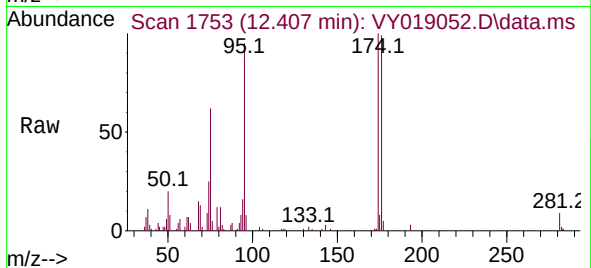
ClientSampleId :

Tgt Ion: 75 Resp: 8554

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.922 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.097 min

Lab File: VY019052.D

Acq: 14 Aug 2024 12:33

Tgt Ion: 75 Resp: 8554

Ion Ratio Lower Upper

75 100

53 0.3 66.8 100.2#

89 0.0 35.8 53.6#

