

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081224\
 Data File : VY018994.D
 Acq On : 12 Aug 2024 11:56
 Operator : SY/MD
 Sample : P3519-01
 Misc : 3.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 13 01:12:29 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)

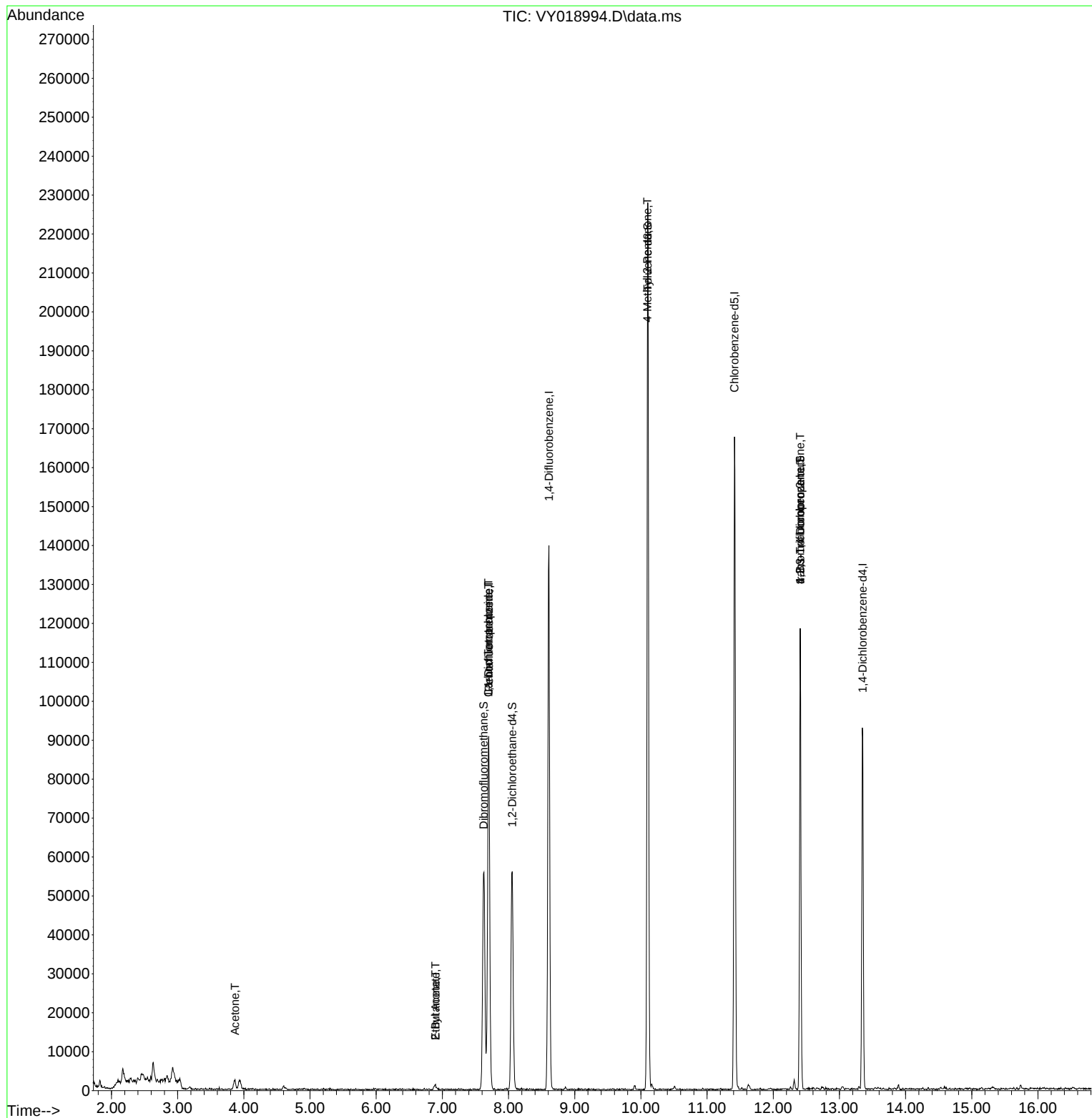
Internal Standards						
1) Pentafluorobenzene	7.701	168	75249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	117041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	84604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	22184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	36967	55.953	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.900%
35) Dibromofluoromethane	7.622	113	37251	49.832	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.660%
50) Toluene-d8	10.103	98	137041	47.728	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.460%
62) 4-Bromofluorobenzene	12.408	95	28055	32.934	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.860%
Target Compounds						
						Qvalue
3) Chloromethane	2.074	50	205	Below Cal	#	43
11) Tert butyl alcohol	4.799	59	22	Below Cal	#	88
13) Acrolein	3.421	56	19	Below Cal	#	15
16) Acetone	3.866	43	3746	33.432	ug/l	93
20) Methylene Chloride	4.610	84	519	Below Cal	#	45
25) 2-Butanone	6.896	43	1718	8.031	ug/l	89
31) Cyclohexane	7.695	56	1709	Below Cal	#	47
36) 1,1-Dichloropropene	7.695	75	5374	5.356	ug/l #	49
37) Ethyl Acetate	6.896	43	1718	3.746	ug/l #	67
38) Carbon Tetrachloride	7.695	117	6669	5.796	ug/l #	16
41) Methacrylonitrile	7.250	41	56	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.097	43	737	1.532	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	16782	101.544	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	16782	209.242	ug/l #	16

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

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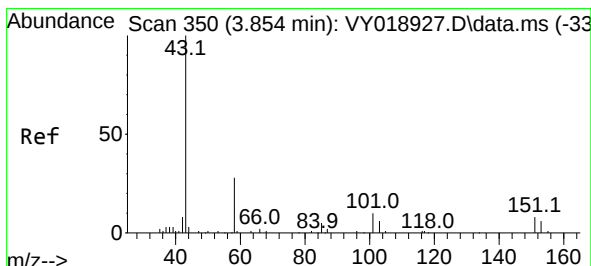
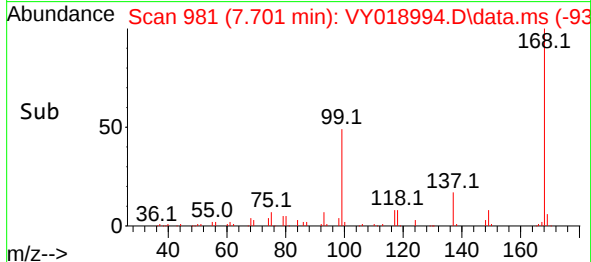
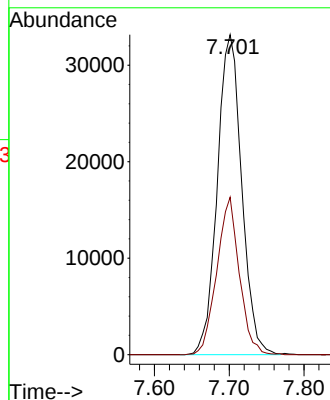
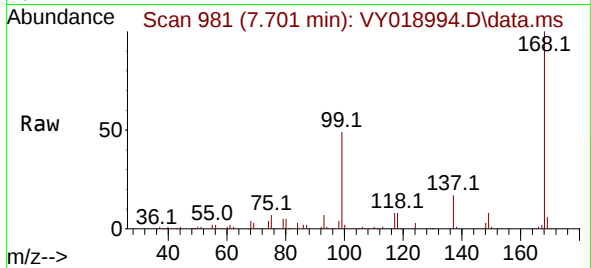




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY018994.D
Acq: 12 Aug 2024 11:56

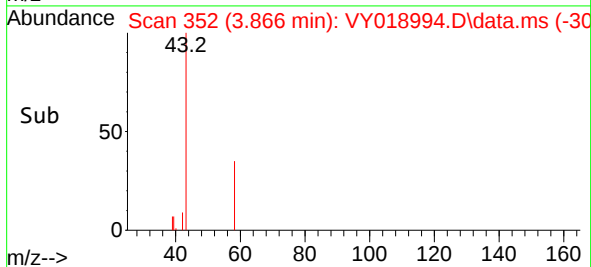
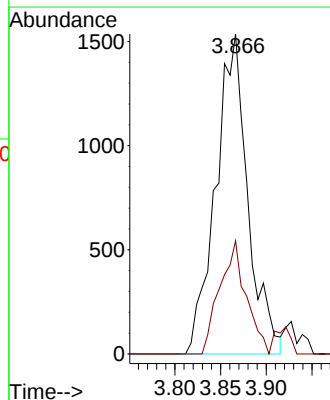
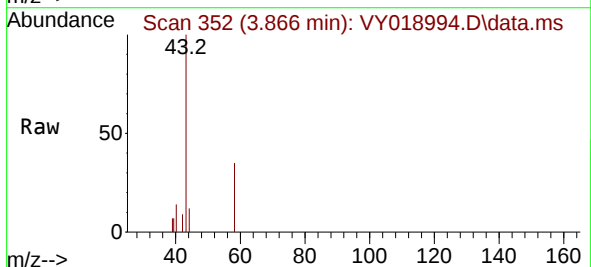
Instrument :
MSVOA_Y
ClientSampleId :

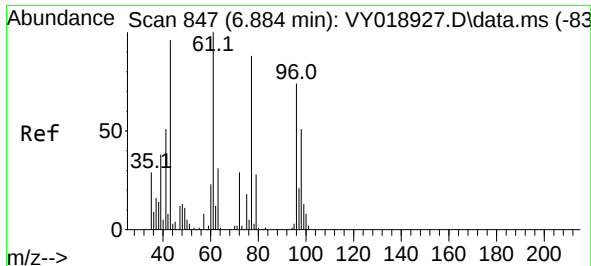
Tgt Ion:168 Resp: 75249
Ion Ratio Lower Upper
168 100
99 49.2 39.1 58.7



#16
Acetone
Concen: 33.432 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY018994.D
Acq: 12 Aug 2024 11:56

Tgt Ion: 43 Resp: 3746
Ion Ratio Lower Upper
43 100
58 35.4 31.7 47.5





#25

2-Butanone

Concen: 8.031 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.012 min

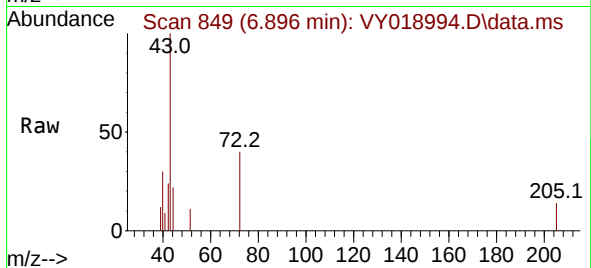
Lab File: VY018994.D

Acq: 12 Aug 2024 11:56

Instrument :

MSVOA_Y

ClientSampleId :

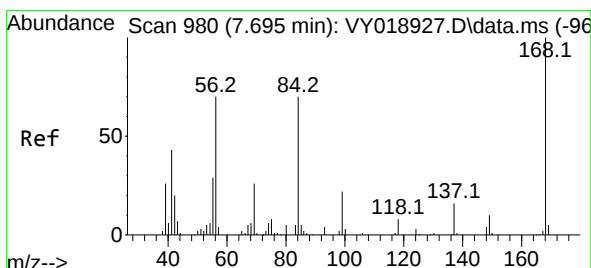
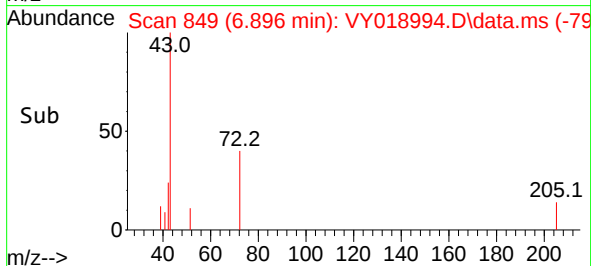
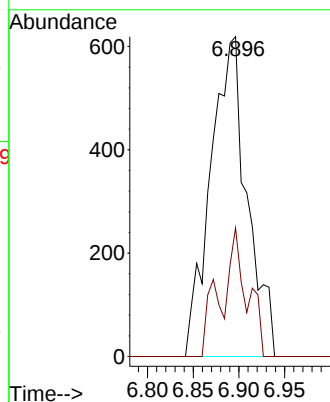


Tgt Ion: 43 Resp: 1718

Ion Ratio Lower Upper

43 100

72 40.2 27.3 40.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. -0.000 min

Lab File: VY018994.D

Acq: 12 Aug 2024 11:56

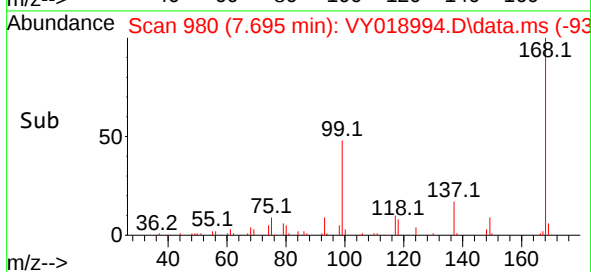
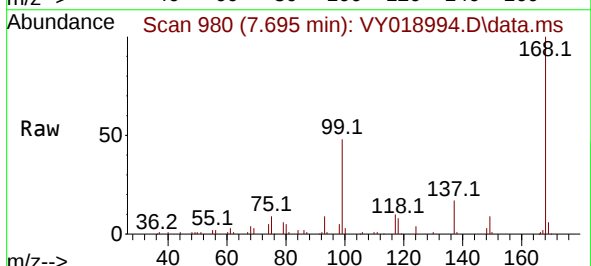
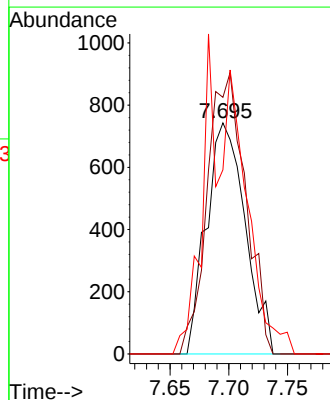
Tgt Ion: 56 Resp: 1709

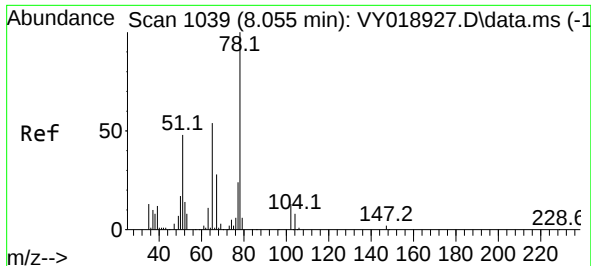
Ion Ratio Lower Upper

56 100

69 111.0 28.7 43.1#

84 71.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 55.953 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY018994.D

Acq: 12 Aug 2024 11:56

Instrument :

MSVOA_Y

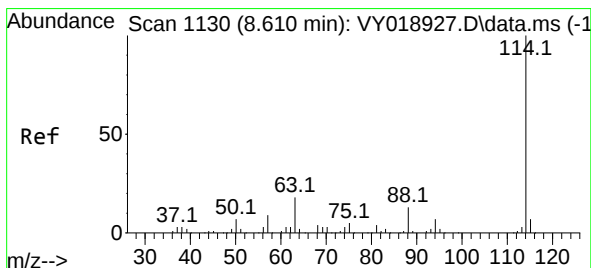
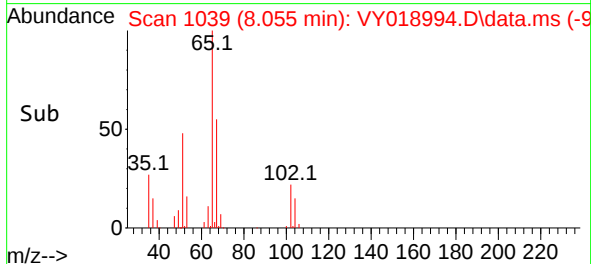
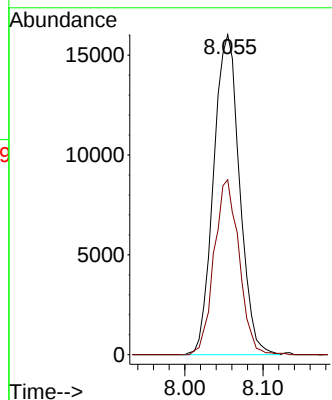
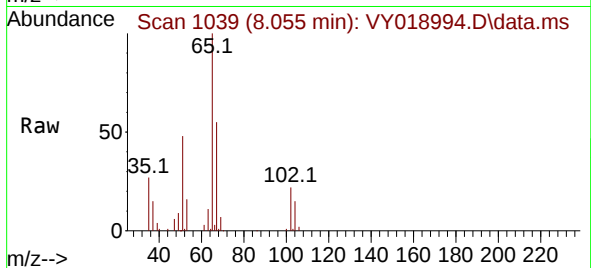
ClientSampleId :

Tgt Ion: 65 Resp: 36967

Ion Ratio Lower Upper

65 100

67 52.6 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: VY018994.D

Acq: 12 Aug 2024 11:56

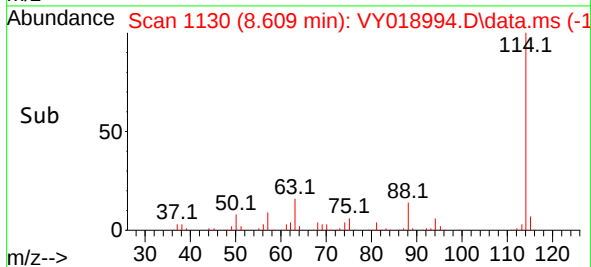
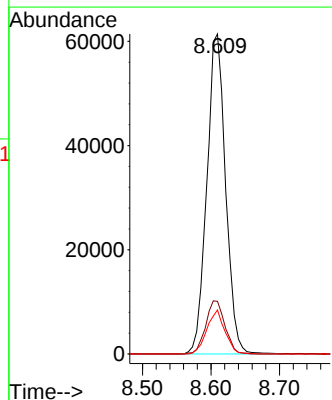
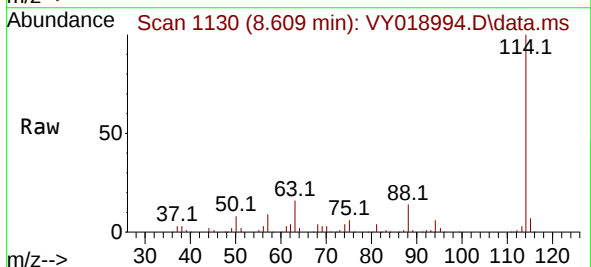
Tgt Ion: 114 Resp: 117041

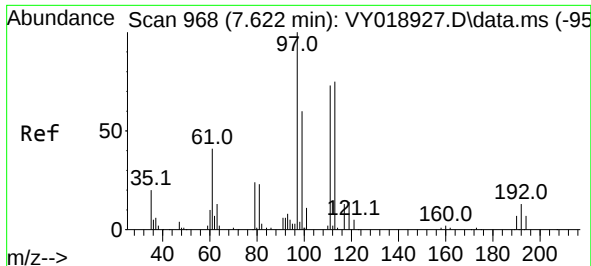
Ion Ratio Lower Upper

114 100

63 16.4 0.0 35.0

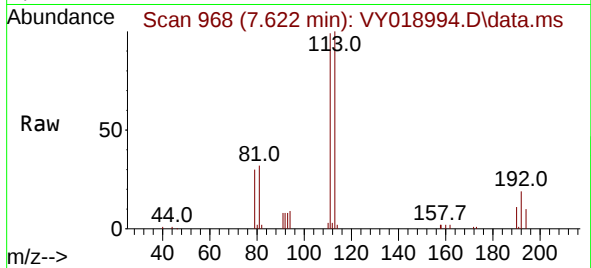
88 13.7 0.0 27.2



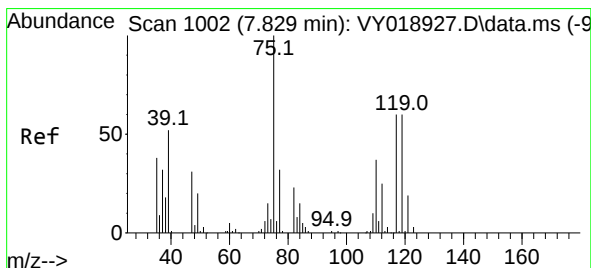
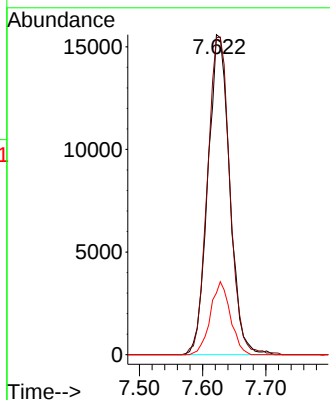
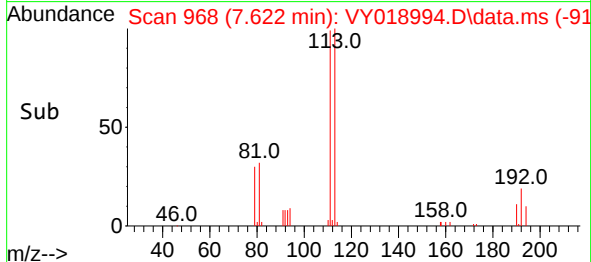


#35
Dibromofluoromethane
Concen: 49.832 ug/l
RT: 7.622 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY018994.D
Acq: 12 Aug 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :

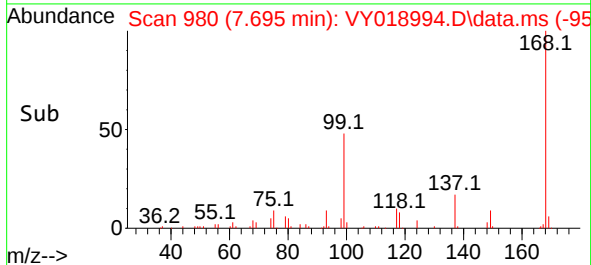
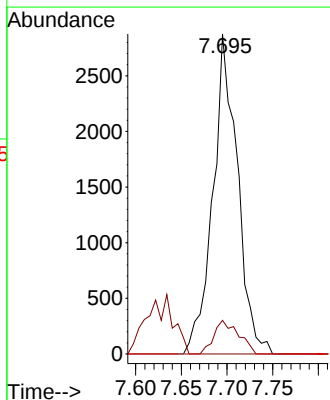
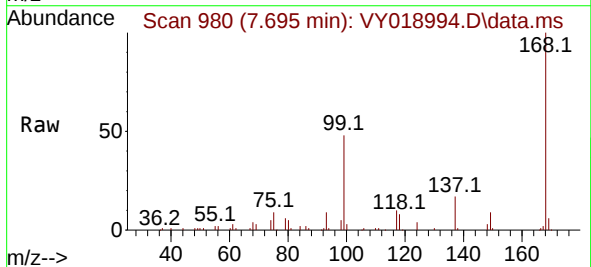


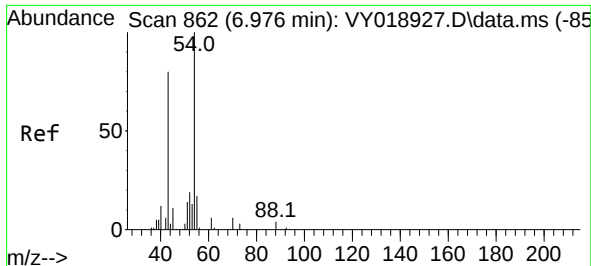
Tgt Ion:113 Resp: 37251
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 20.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.356 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY018994.D
Acq: 12 Aug 2024 11:56

Tgt Ion: 75 Resp: 5374
Ion Ratio Lower Upper
75 100
110 10.5 19.0 57.0#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.746 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.079 min

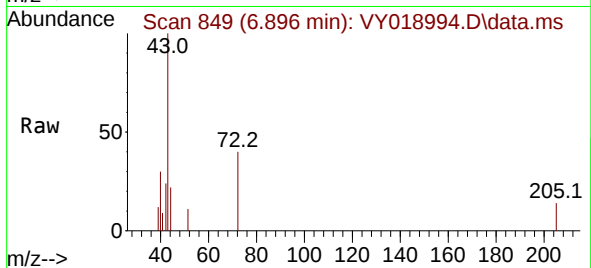
Lab File: VY018994.D

Acq: 12 Aug 2024 11:56

Instrument :

MSVOA_Y

ClientSampleId :



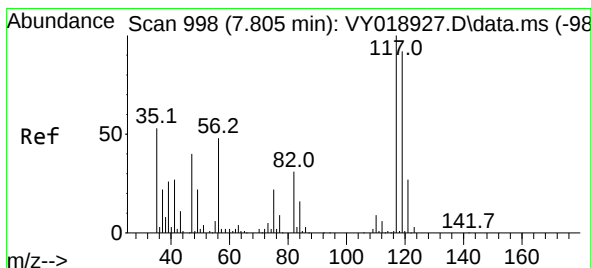
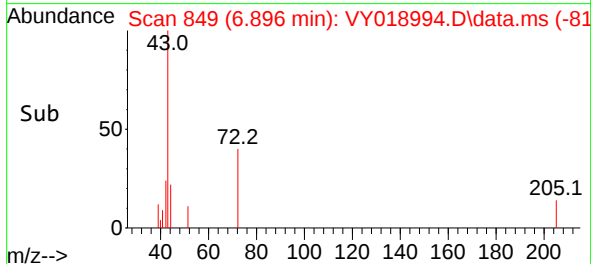
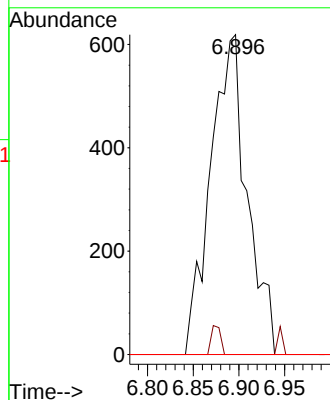
Tgt Ion: 43 Resp: 1718

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.796 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY018994.D

Acq: 12 Aug 2024 11:56

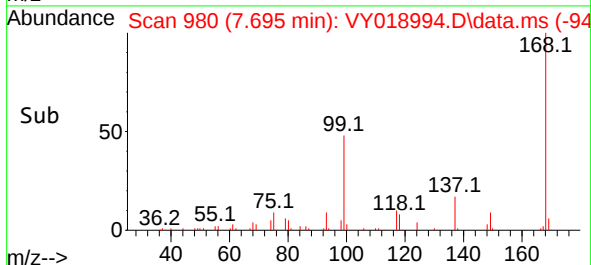
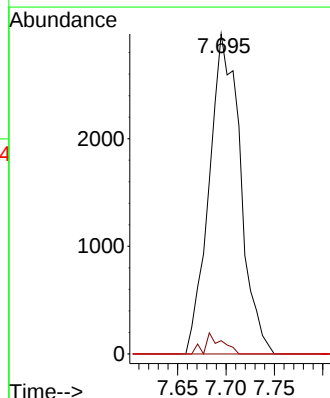
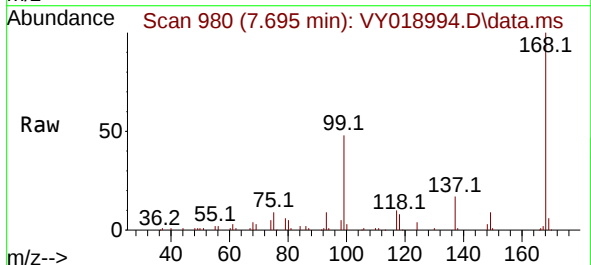
Tgt Ion: 117 Resp: 6669

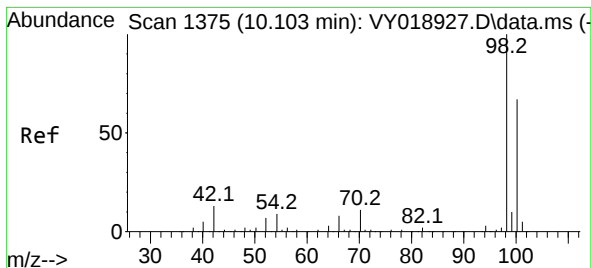
Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 47.728 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY018994.D

Acq: 12 Aug 2024 11:56

Instrument :

MSVOA_Y

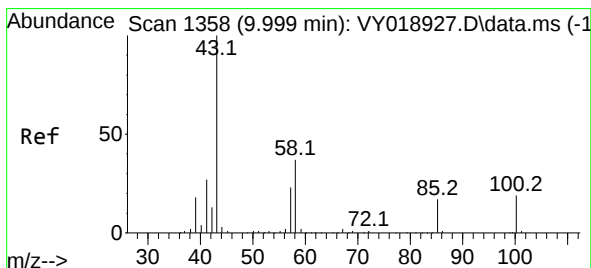
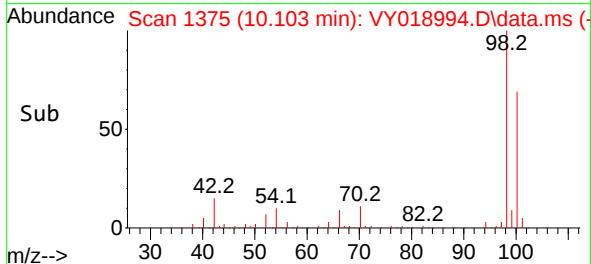
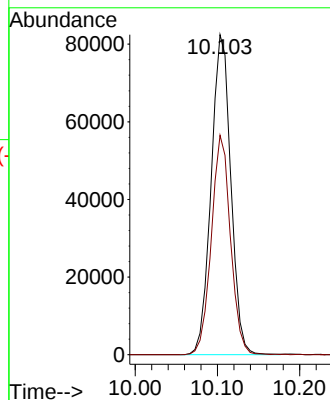
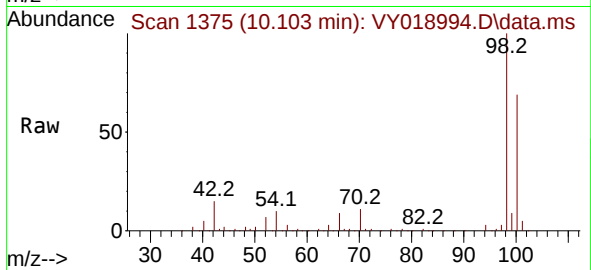
ClientSampleId :

Tgt Ion: 98 Resp: 137041

Ion Ratio Lower Upper

98 100

100 66.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.532 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.097 min

Lab File: VY018994.D

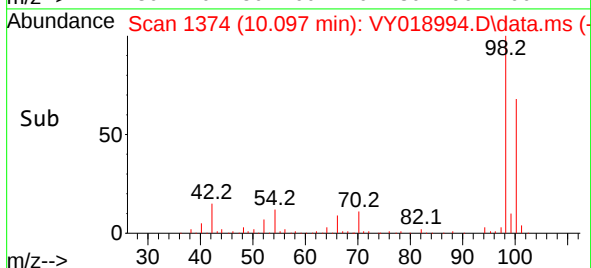
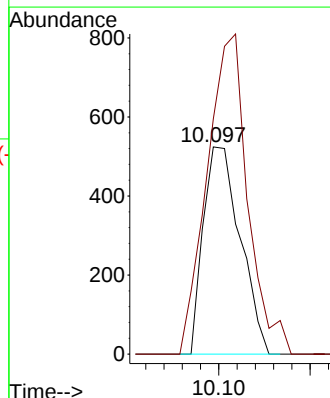
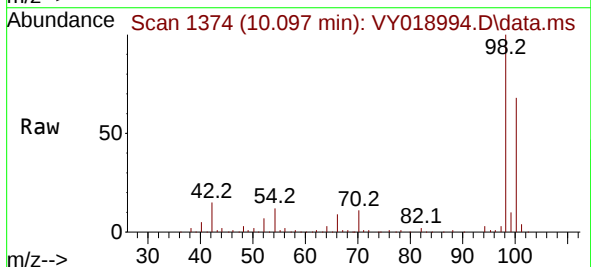
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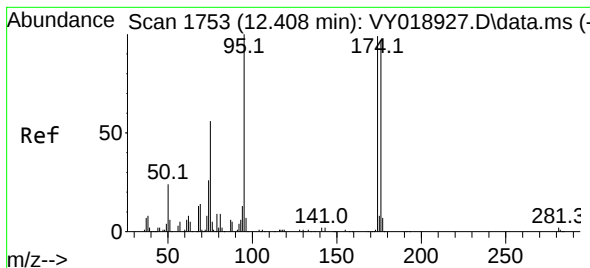
Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

58 170.3 35.7 53.5

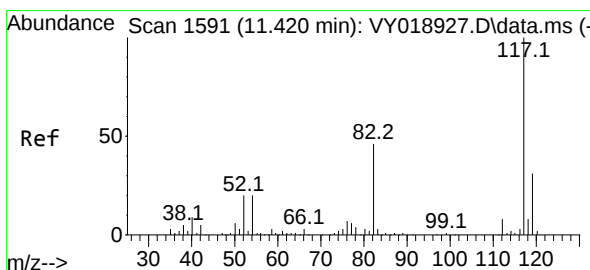
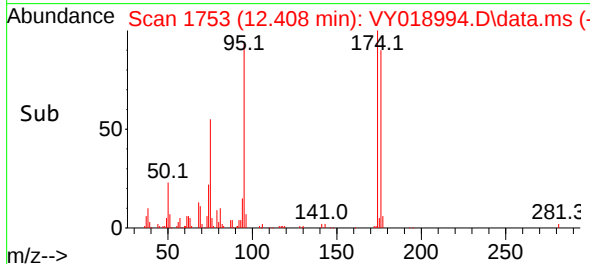
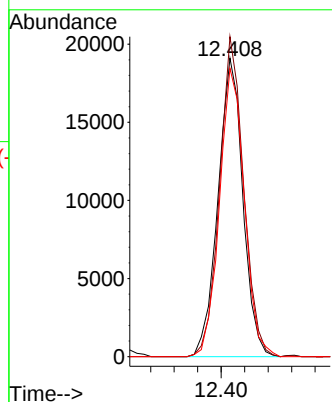
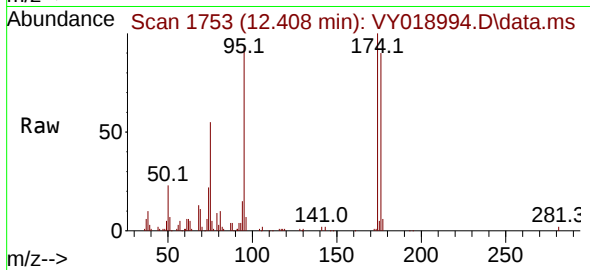




#62
4-Bromofluorobenzene
Concen: 32.934 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY018994.D
Acq: 12 Aug 2024 11:56

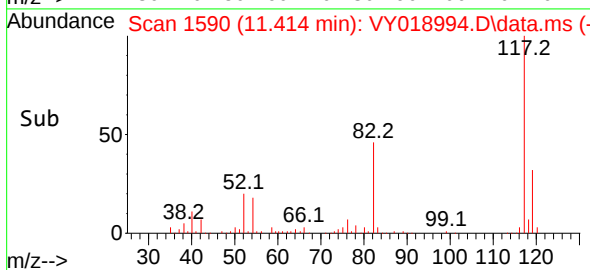
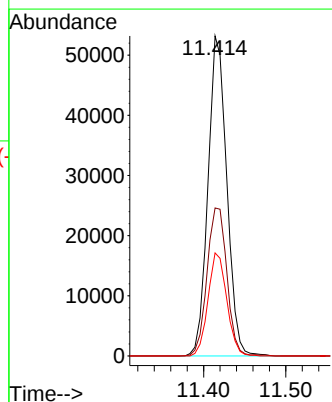
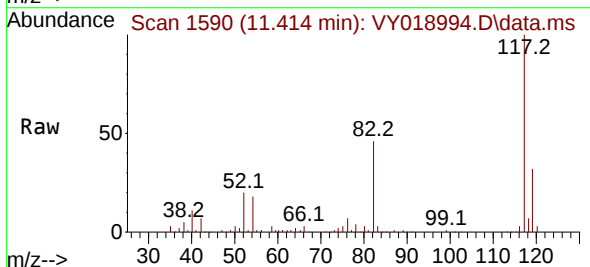
Instrument :
MSVOA_Y
ClientSampleId :

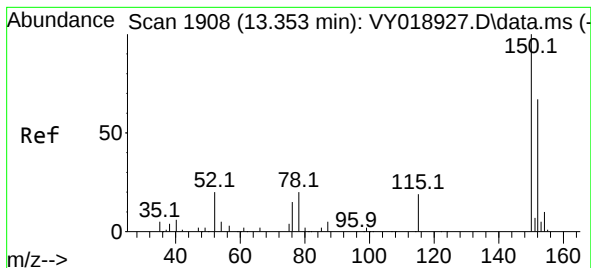
Tgt Ion:	95	Resp:	28055
Ion Ratio	Lower	Upper	
95	100		
174	103.9	0.0	175.6
176	96.5	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY018994.D
Acq: 12 Aug 2024 11:56

Tgt Ion:	117	Resp:	84604
Ion Ratio	Lower	Upper	
117	100		
82	46.2	42.4	63.6
119	32.2	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: VY018994.D

Acq: 12 Aug 2024 11:56

Instrument :

MSVOA_Y

ClientSampleId :

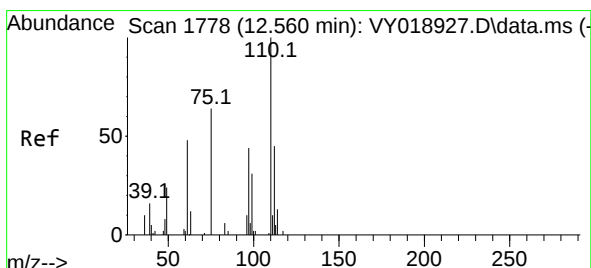
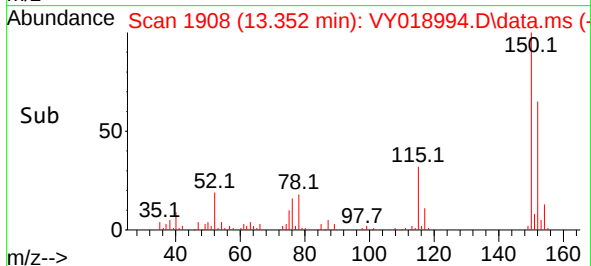
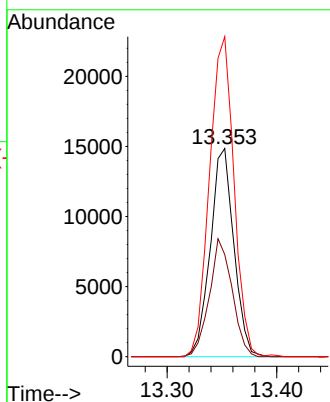
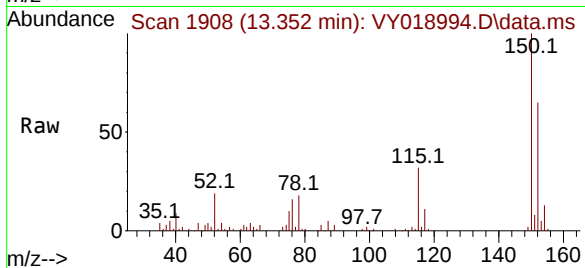
Tgt Ion:152 Resp: 22184

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

150 159.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 101.544 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY018994.D

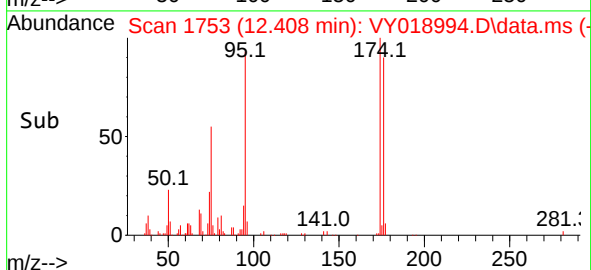
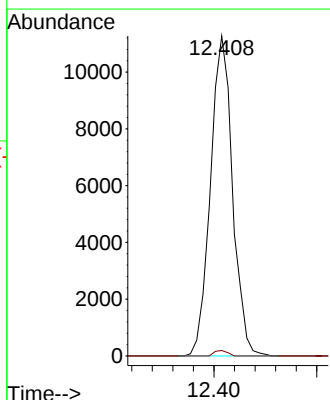
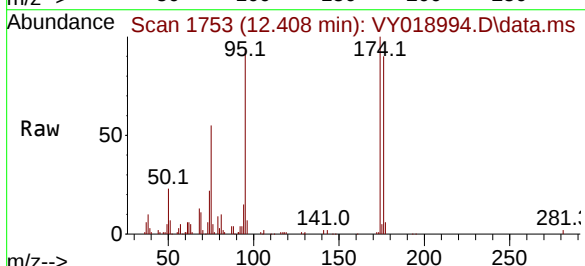
Acq: 12 Aug 2024 11:56

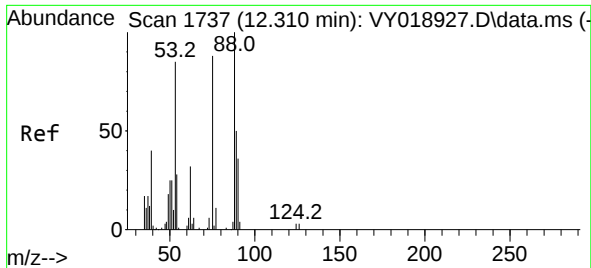
Tgt Ion: 75 Resp: 16782

Ion Ratio Lower Upper

75 100

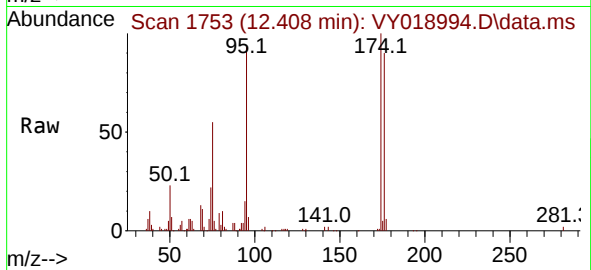
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 209.242 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY018994.D
 Acq: 12 Aug 2024 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	16782
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.2	35.8	53.6#

