

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080924\
 Data File : VY018965.D
 Acq On : 09 Aug 2024 14:22
 Operator : SY/MD
 Sample : P3518-07
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-04-080724RE

Quant Time: Aug 09 23:26:53 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)

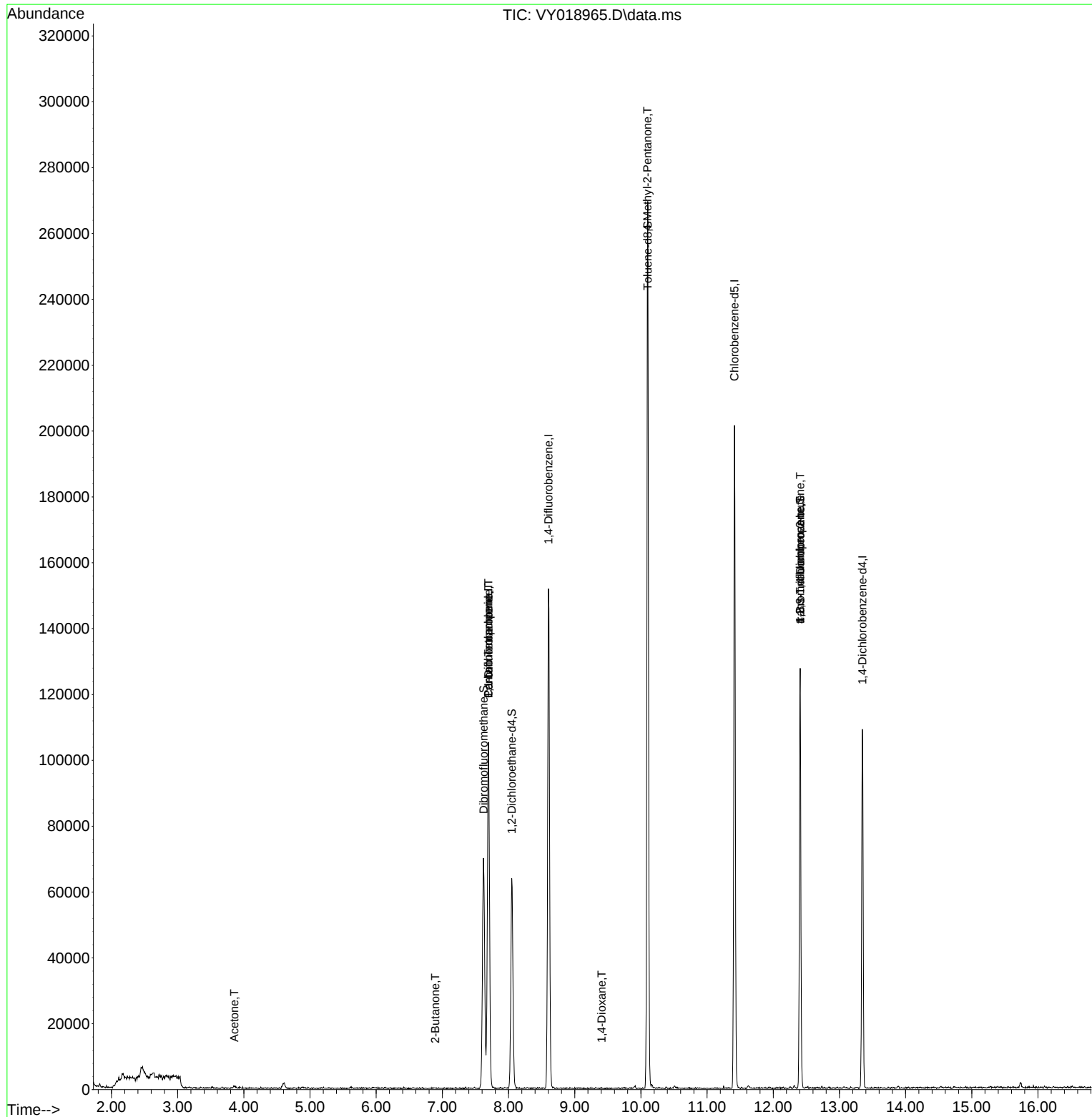
Internal Standards						
1) Pentafluorobenzene	7.695	168	83367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	132488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	98361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	26571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	40259	55.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.000%	
35) Dibromofluoromethane	7.622	113	45733	54.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.100%	
50) Toluene-d8	10.103	98	165539	50.931	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	12.408	95	31579	32.749	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	45	Below Cal	#	1
11) Tert butyl alcohol	4.866	59	24	Below Cal	#	88
13) Acrolein	3.598	56	45	Below Cal	#	67
16) Acetone	3.854	43	873	16.908	ug/l #	65
20) Methylene Chloride	4.598	84	957	Below Cal	#	70
25) 2-Butanone	6.890	43	247	1.042	ug/l	96
31) Cyclohexane	7.695	56	2249	Below Cal	#	74
36) 1,1-Dichloropropene	7.695	75	6253	5.505	ug/l #	48
38) Carbon Tetrachloride	7.695	117	7682	5.898	ug/l #	17
41) Methacrylonitrile	7.098	41	22	Below Cal	#	27
49) 1,4-Dioxane	9.408	88	58	10.054	ug/l #	20
51) 4-Methyl-2-Pentanone	10.097	43	763	1.401	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	18163	91.756	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	18163	189.071	ug/l #	16

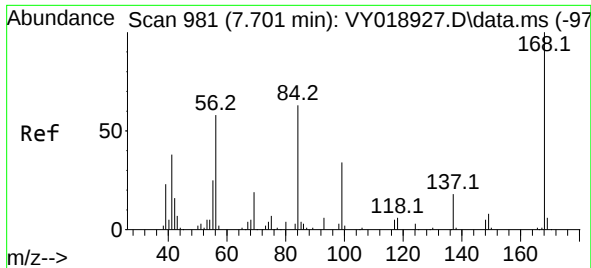
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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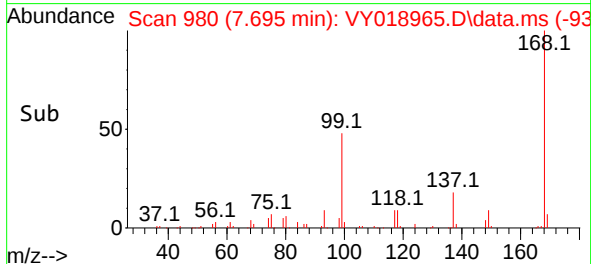
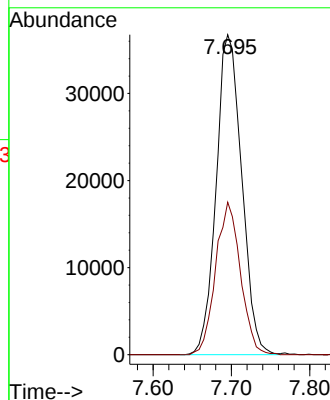
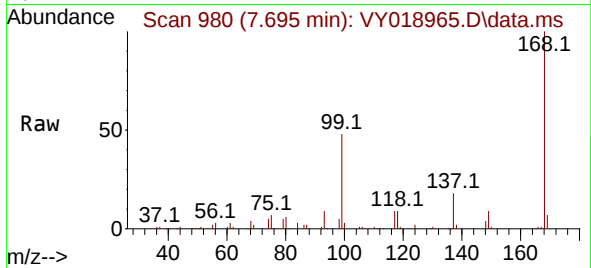




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018965.D
Acq: 09 Aug 2024 14:22

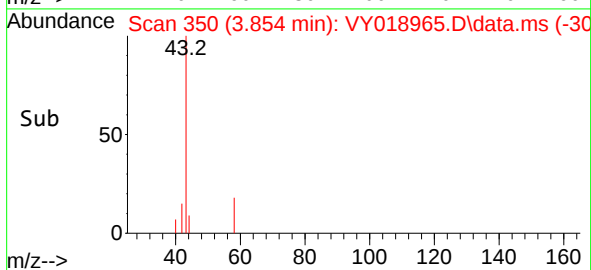
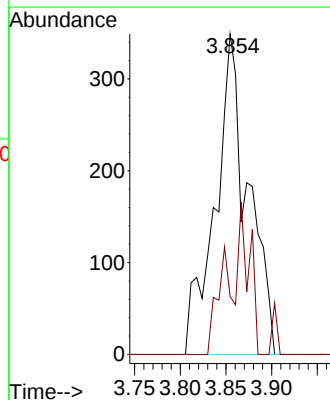
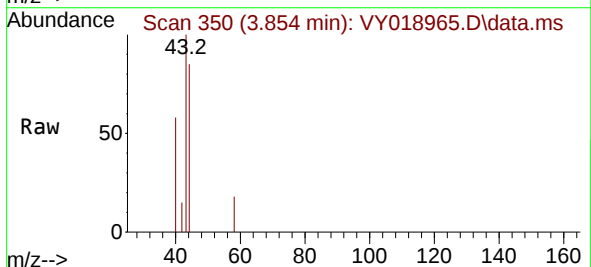
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-04-080724RE

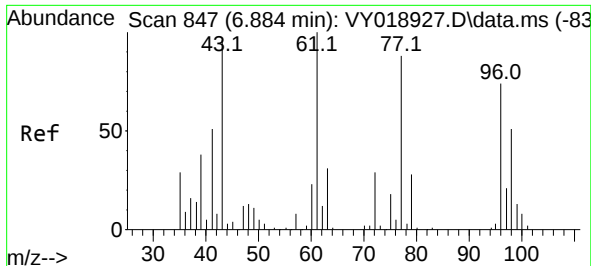
Tgt Ion:168 Resp: 83367
Ion Ratio Lower Upper
168 100
99 47.6 39.1 58.7



#16
Acetone
Concen: 16.908 ug/l
RT: 3.854 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY018965.D
Acq: 09 Aug 2024 14:22

Tgt Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
58 18.1 31.7 47.5#





#25

2-Butanone

Concen: 1.042 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY018965.D

Acq: 09 Aug 2024 14:22

Instrument :

MSVOA_Y

ClientSampleId :

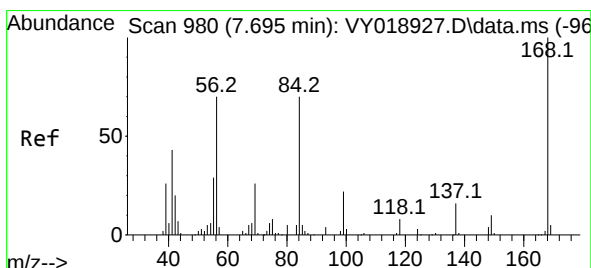
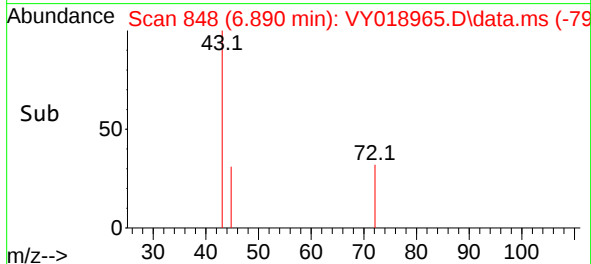
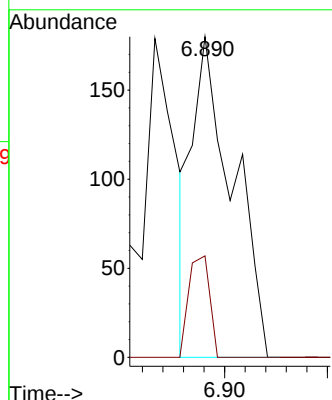
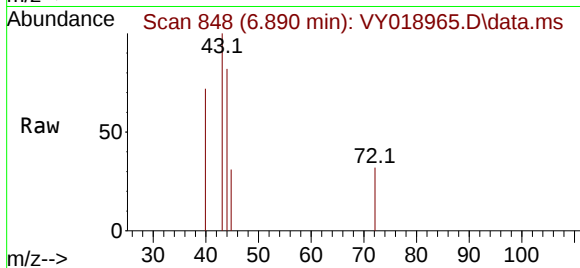
OU4-TS-04-080724RE

Tgt Ion: 43 Resp: 247

Ion Ratio Lower Upper

43 100

72 31.7 27.3 40.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY018965.D

Acq: 09 Aug 2024 14:22

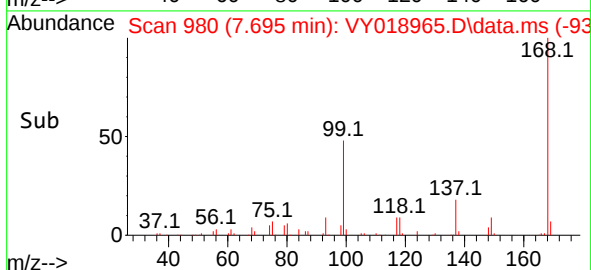
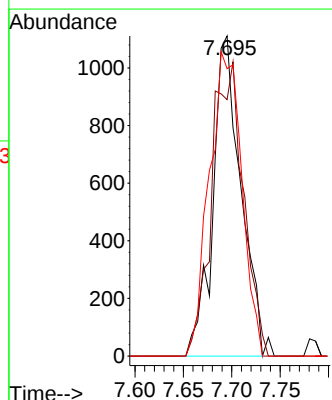
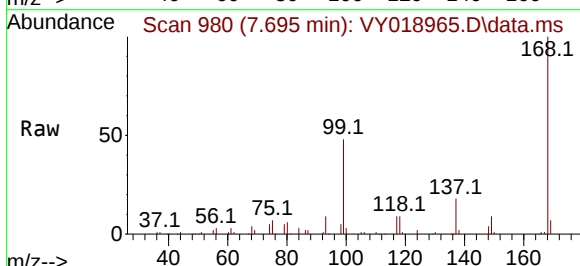
Tgt Ion: 56 Resp: 2249

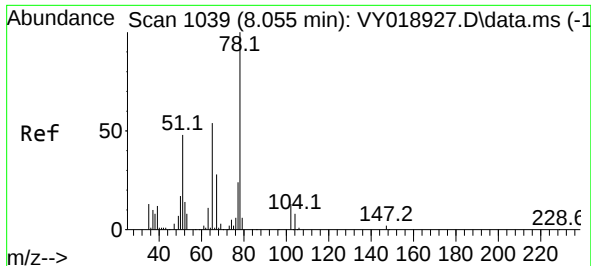
Ion Ratio Lower Upper

56 100

69 80.1 28.7 43.1#

84 89.8 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 55.002 ug/l

RT: 8.049 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY018965.D

Acq: 09 Aug 2024 14:22

Instrument :

MSVOA_Y

ClientSampleId :

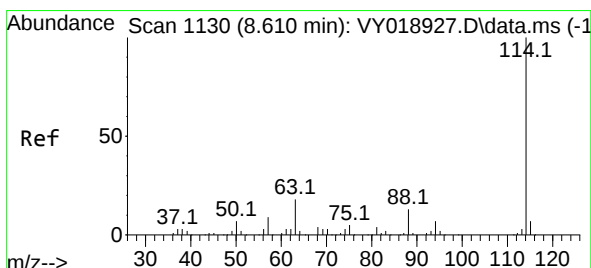
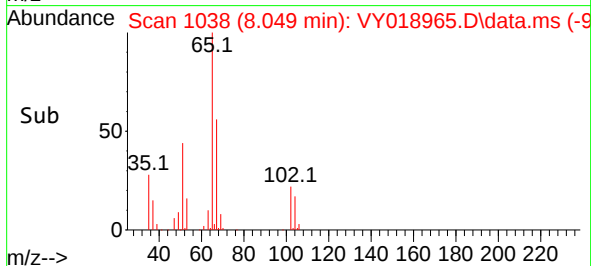
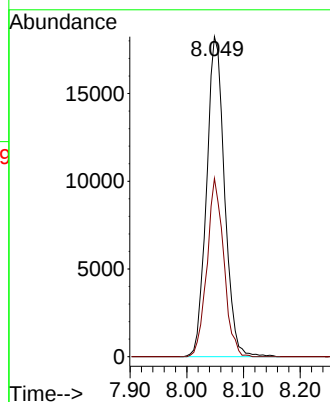
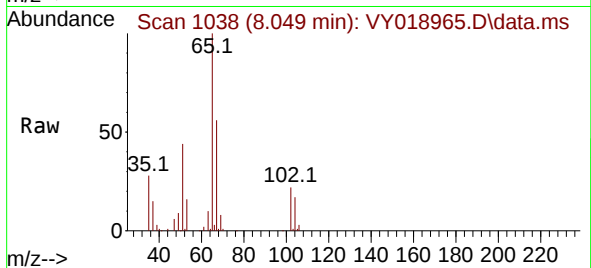
OU4-TS-04-080724RE

Tgt Ion: 65 Resp: 40259

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.604 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY018965.D

Acq: 09 Aug 2024 14:22

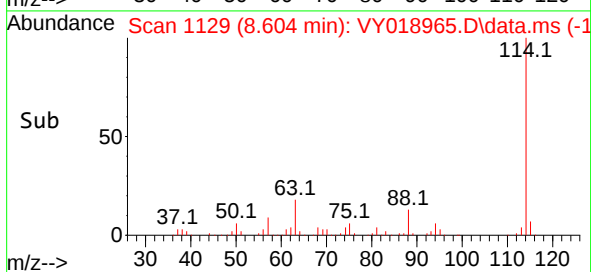
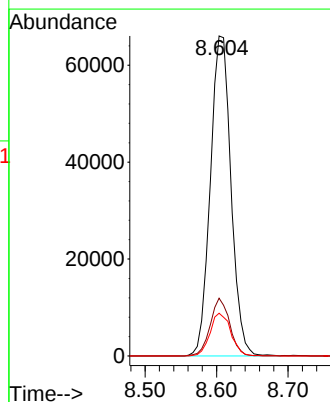
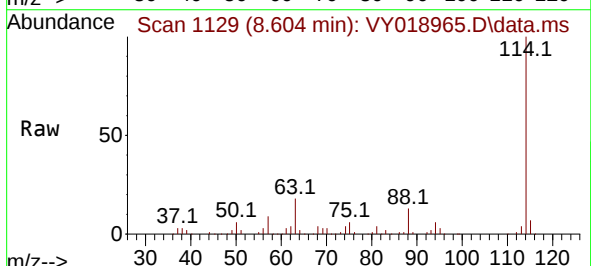
Tgt Ion: 114 Resp: 132488

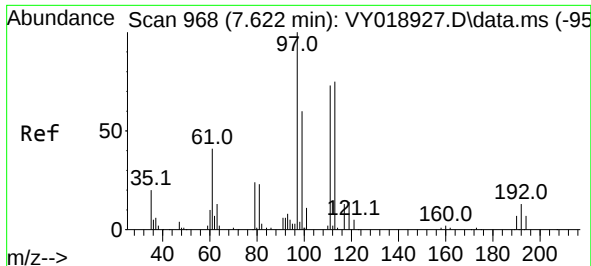
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 13.4 0.0 27.2

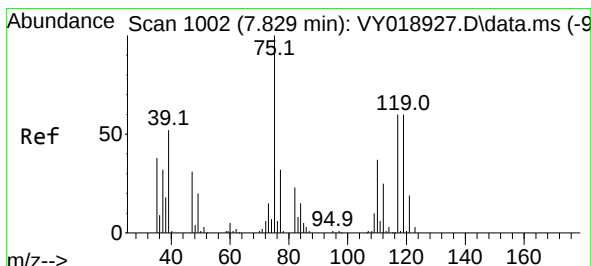
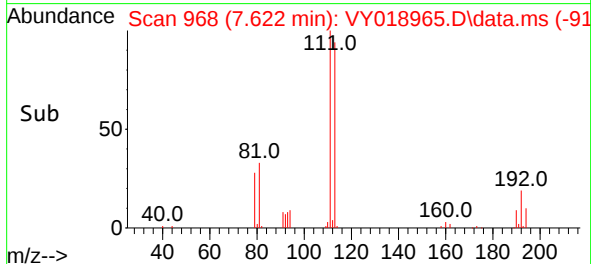
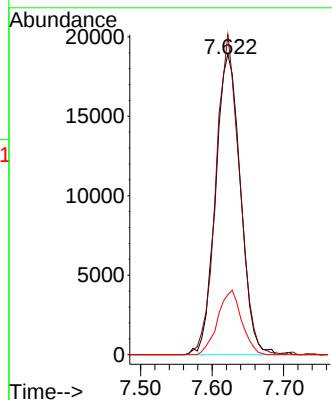
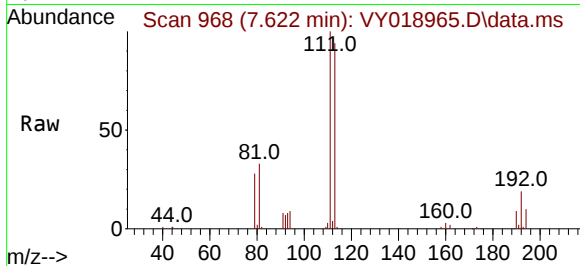




#35
Dibromofluoromethane
Concen: 54.046 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY018965.D
Acq: 09 Aug 2024 14:22

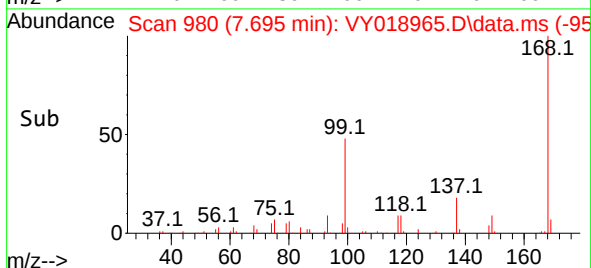
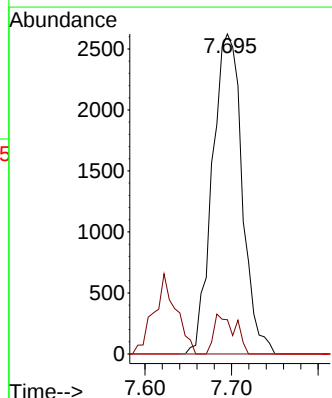
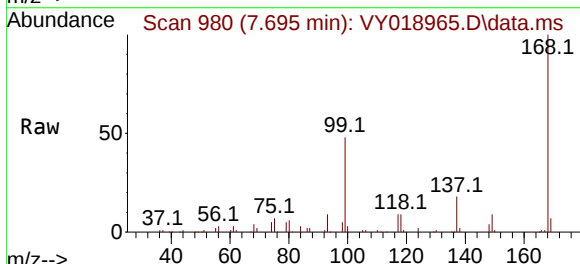
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-04-080724RE

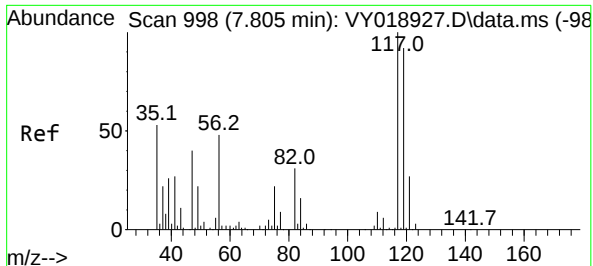
Tgt Ion:113 Resp: 45733
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.4
192 20.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.505 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY018965.D
Acq: 09 Aug 2024 14:22

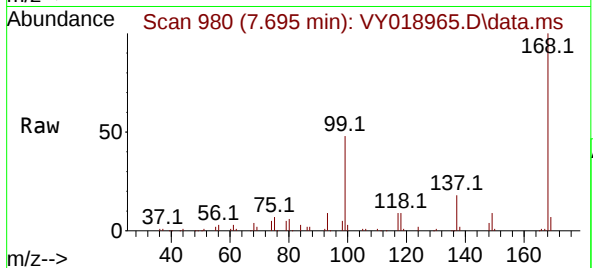
Tgt Ion: 75 Resp: 6253
Ion Ratio Lower Upper
75 100
110 8.8 19.0 57.0#
77 0.0 25.3 37.9#



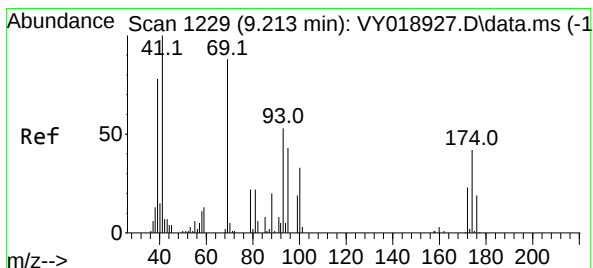
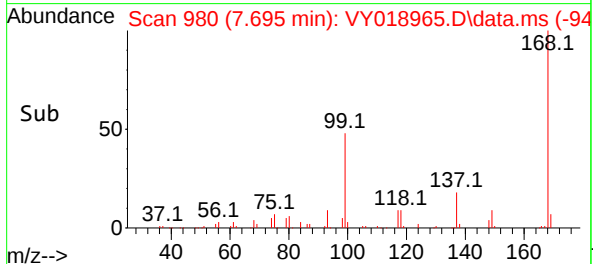
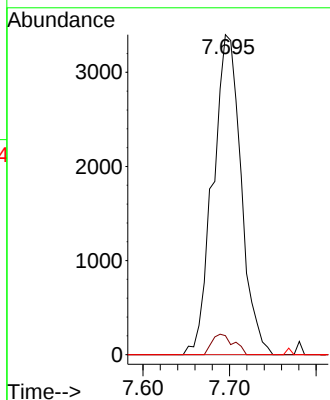


#38
Carbon Tetrachloride
Concen: 5.898 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018965.D
Acq: 09 Aug 2024 14:22

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-04-080724RE

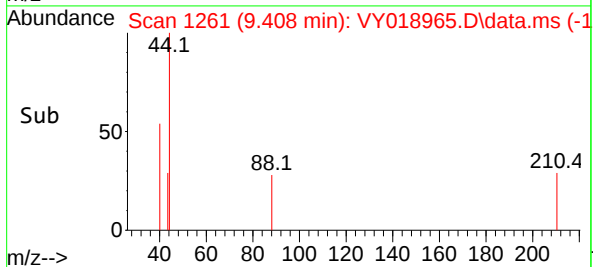
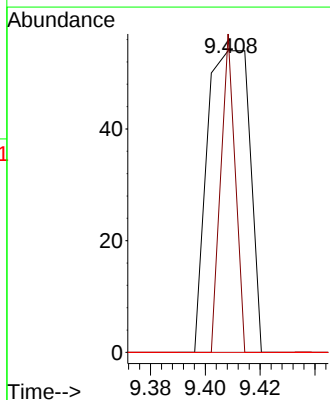
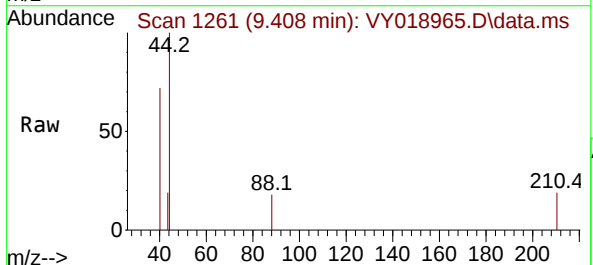


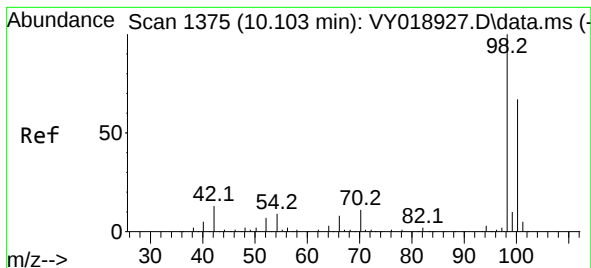
Tgt Ion:117 Resp: 7682
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 10.054 ug/l
RT: 9.408 min Scan# 1261
Delta R.T. 0.195 min
Lab File: VY018965.D
Acq: 09 Aug 2024 14:22

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 36.2 0.0 0.0#
58 0.0 49.3 73.9#





#50

Toluene-d8

Concen: 50.931 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY018965.D

Acq: 09 Aug 2024 14:22

Instrument :

MSVOA_Y

ClientSampleId :

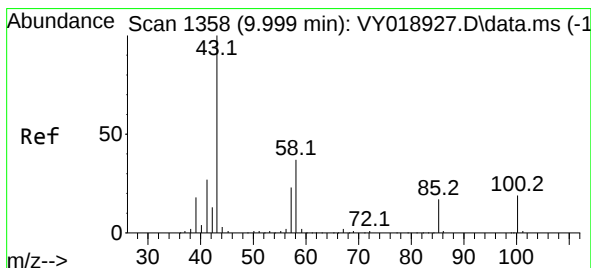
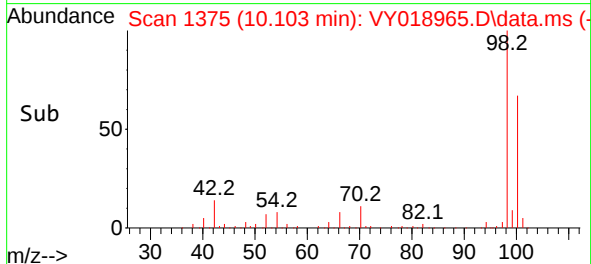
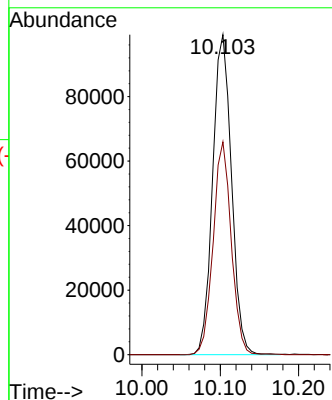
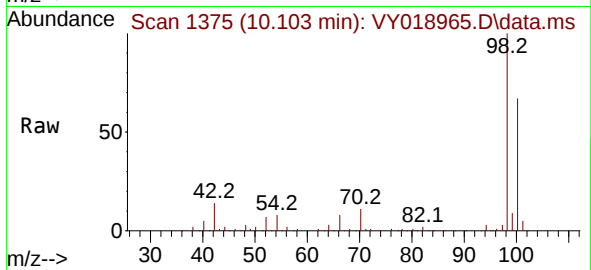
OU4-TS-04-080724RE

Tgt Ion: 98 Resp: 165539

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.401 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.098 min

Lab File: VY018965.D

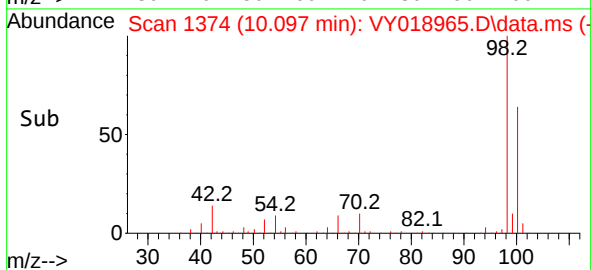
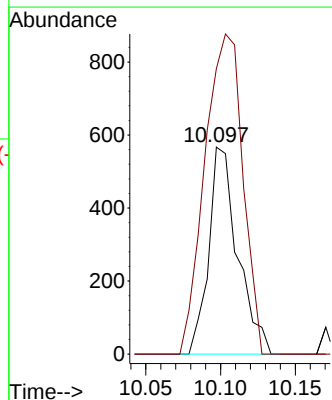
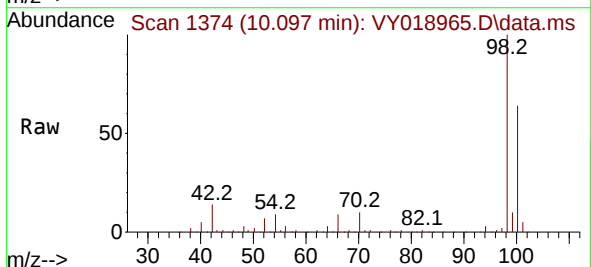
Acq: 09 Aug 2024 14:22

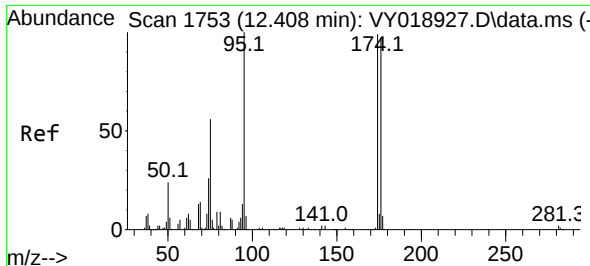
Tgt Ion: 43 Resp: 763

Ion Ratio Lower Upper

43 100

58 203.1 35.7 53.5#

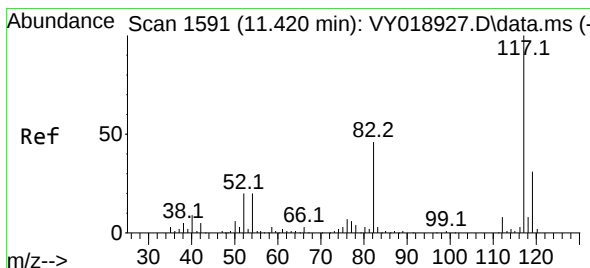
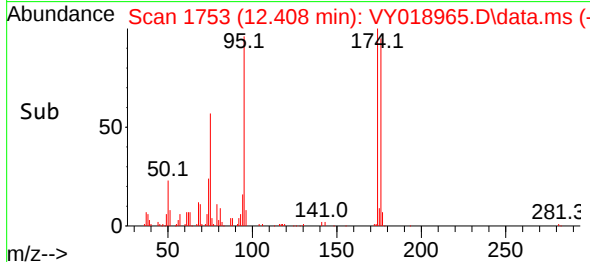
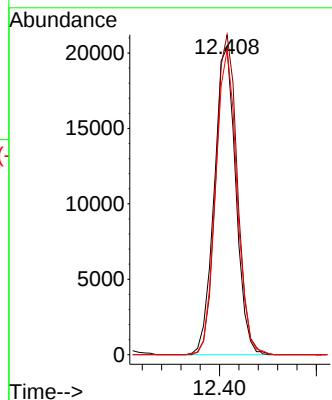
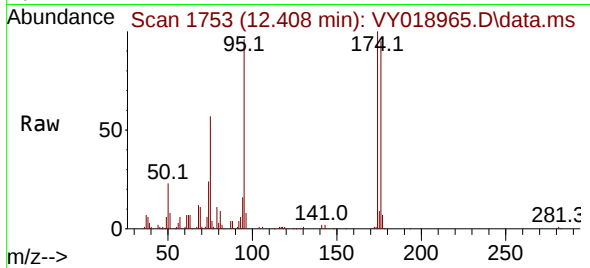




#62
4-Bromofluorobenzene
Concen: 32.749 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018965.D
Acq: 09 Aug 2024 14:22

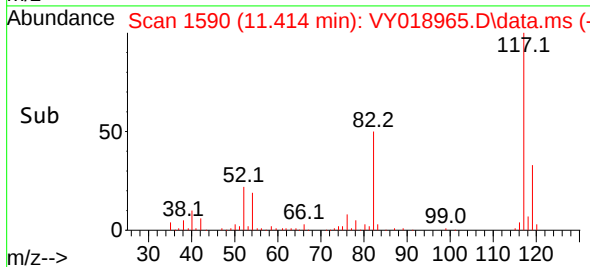
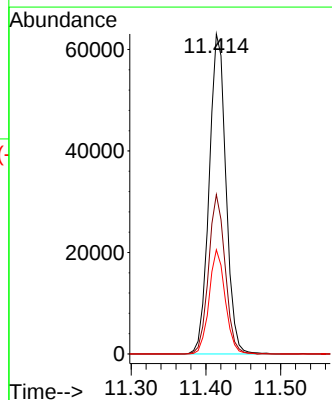
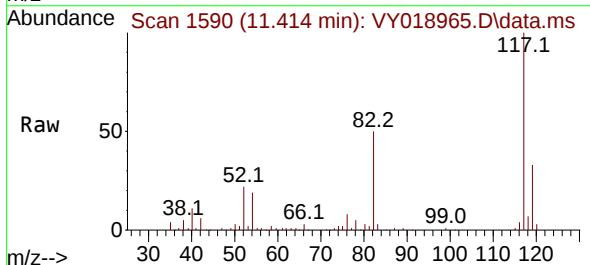
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-04-080724RE

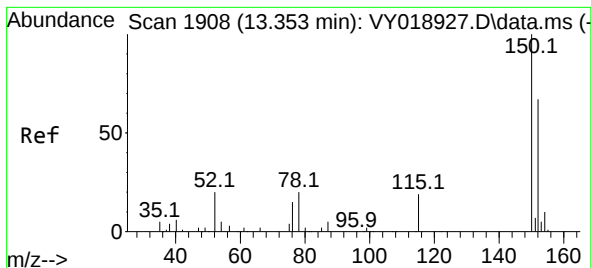
Tgt Ion: 95 Resp: 31579
Ion Ratio Lower Upper
95 100
174 102.8 0.0 175.6
176 98.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY018965.D
Acq: 09 Aug 2024 14:22

Tgt Ion: 117 Resp: 98361
Ion Ratio Lower Upper
117 100
82 49.8 42.4 63.6
119 32.5 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY018965.D

Acq: 09 Aug 2024 14:22

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-04-080724RE

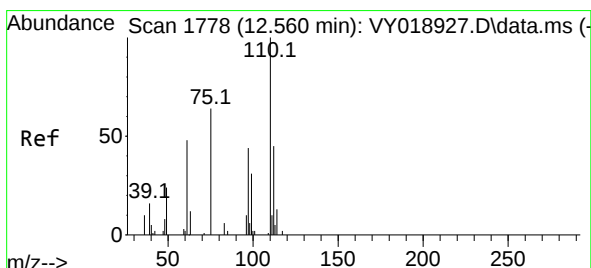
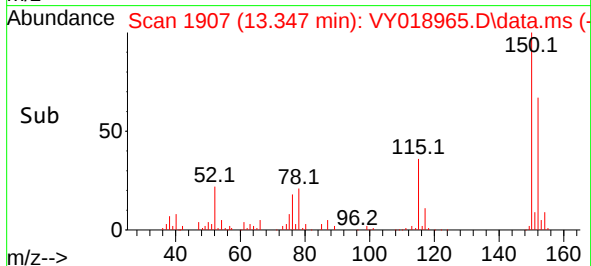
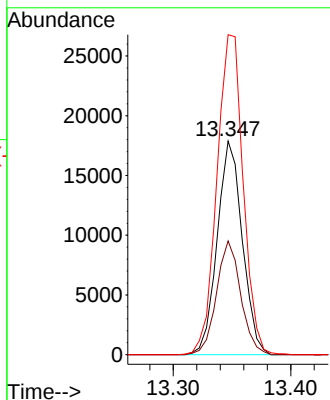
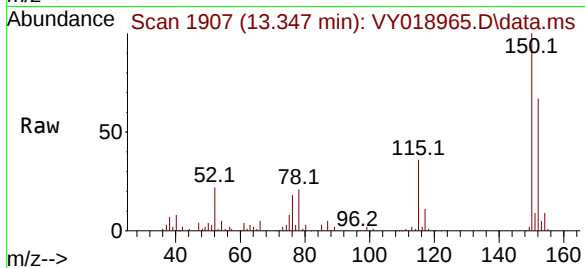
Tgt Ion:152 Resp: 26571

Ion Ratio Lower Upper

152 100

115 51.3 28.2 84.7

150 156.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 91.756 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY018965.D

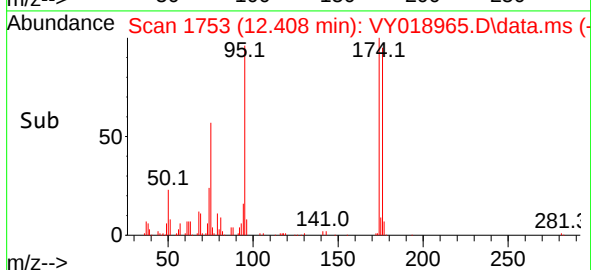
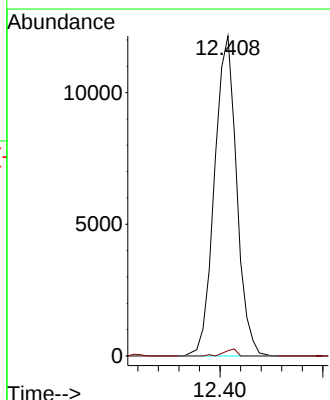
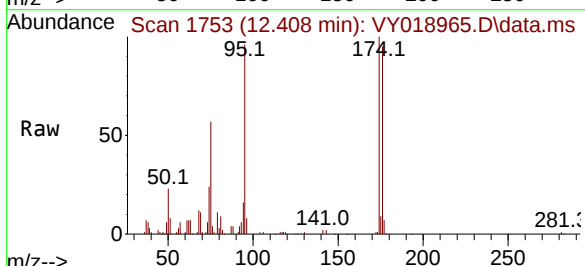
Acq: 09 Aug 2024 14:22

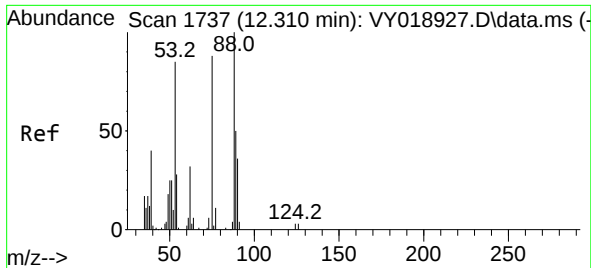
Tgt Ion: 75 Resp: 18163

Ion Ratio Lower Upper

75 100

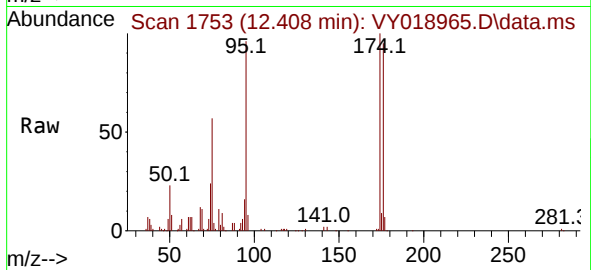
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 189.071 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY018965.D
 Acq: 09 Aug 2024 14:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-04-080724RE



Tgt Ion: 75 Resp: 18163
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

