

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081224\
 Data File : VY018996.D
 Acq On : 12 Aug 2024 12:44
 Operator : SY/MD
 Sample : P3519-05
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-18-080724

Quant Time: Aug 13 01:13:19 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)

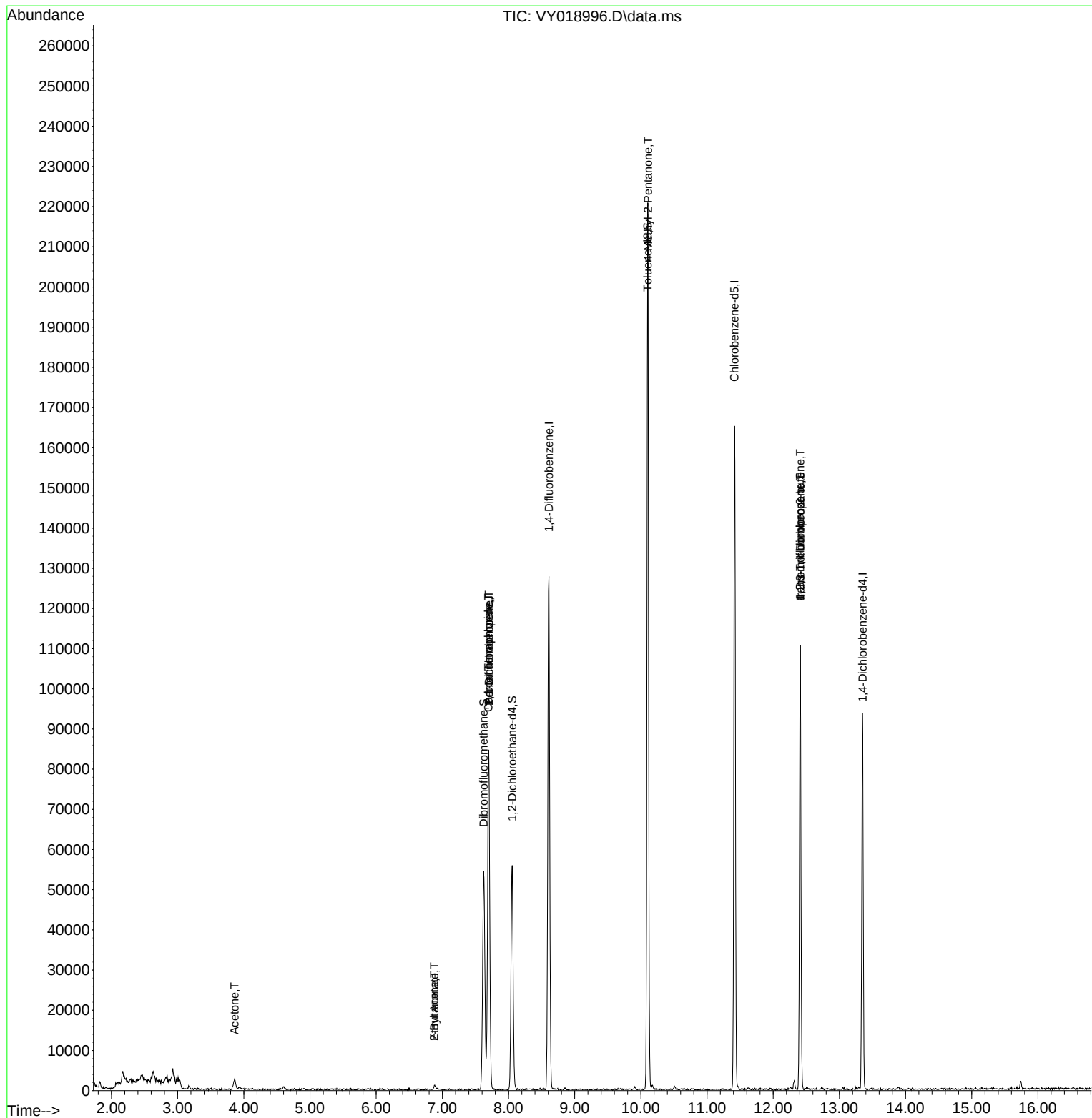
Internal Standards						
1) Pentafluorobenzene	7.701	168	69261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	111236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	84155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	22159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	35642	58.611	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.220%
35) Dibromofluoromethane	7.622	113	35017	49.288	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.580%
50) Toluene-d8	10.103	98	132669	48.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.240%
62) 4-Bromofluorobenzene	12.408	95	26939	33.274	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.062	50	60	Below Cal	#	43
11) Tert butyl alcohol	5.116	59	20	Below Cal	#	88
16) Acetone	3.860	43	4181	37.902	ug/l	98
20) Methylene Chloride	4.604	84	303	Below Cal	#	44
25) 2-Butanone	6.878	43	1692	8.593	ug/l	93
31) Cyclohexane	7.695	56	1567	Below Cal	#	58
36) 1,1-Dichloropropene	7.701	75	5149	5.399	ug/l	# 48
37) Ethyl Acetate	6.878	43	1692	3.882	ug/l	# 67
38) Carbon Tetrachloride	7.695	117	5974	5.463	ug/l	# 13
41) Methacrylonitrile	7.226	41	29	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.109	43	727	1.590	ug/l	# 1
76) 1,2,3-Trichloropropane	12.408	75	15593	94.457	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	15593	194.636	ug/l	# 16

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

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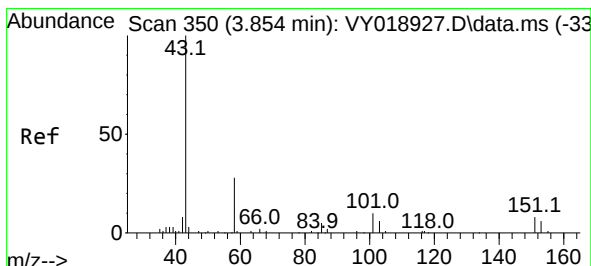
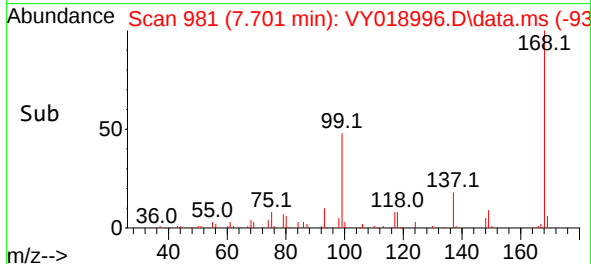
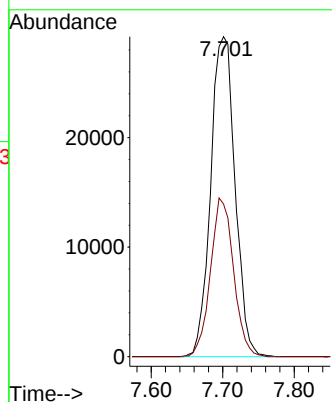
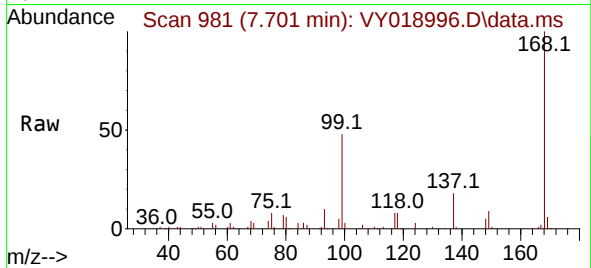




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY018996.D
Acq: 12 Aug 2024 12:44

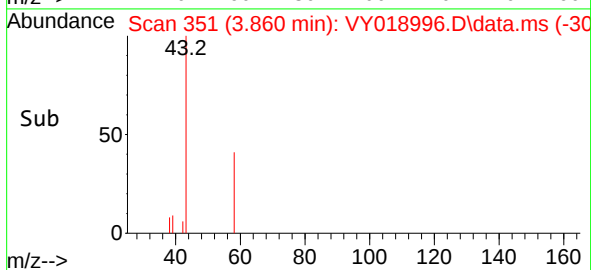
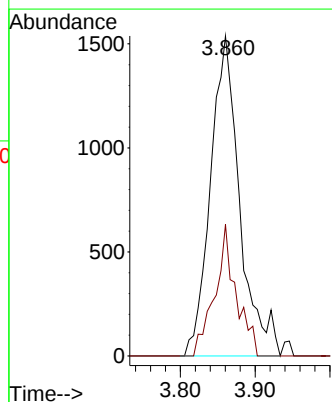
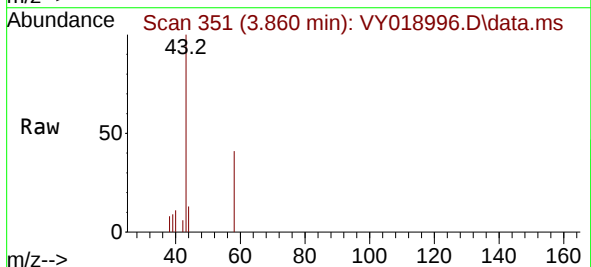
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-18-080724

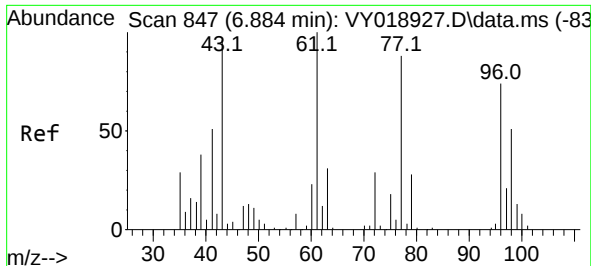
Tgt Ion:168 Resp: 69261
Ion Ratio Lower Upper
168 100
99 47.7 39.1 58.7



#16
Acetone
Concen: 37.902 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY018996.D
Acq: 12 Aug 2024 12:44

Tgt Ion: 43 Resp: 4181
Ion Ratio Lower Upper
43 100
58 41.1 31.7 47.5





#25

2-Butanone

Concen: 8.593 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY018996.D

Acq: 12 Aug 2024 12:44

Instrument :

MSVOA_Y

ClientSampleId :

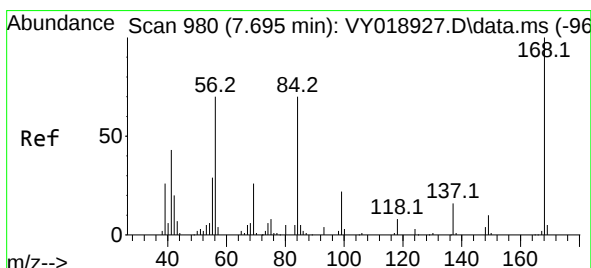
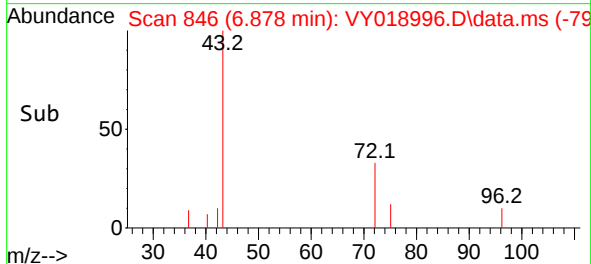
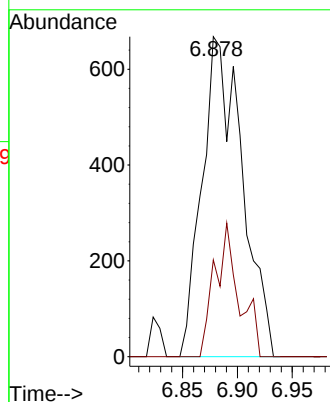
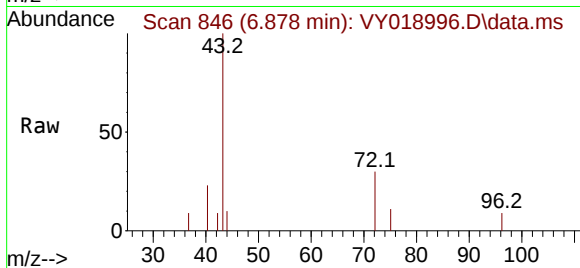
OU4-TS-18-080724

Tgt Ion: 43 Resp: 1692

Ion Ratio Lower Upper

43 100

72 30.2 27.3 40.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. -0.000 min

Lab File: VY018996.D

Acq: 12 Aug 2024 12:44

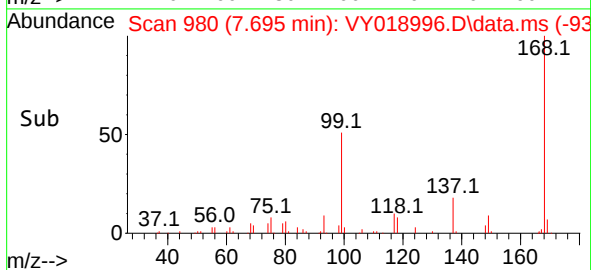
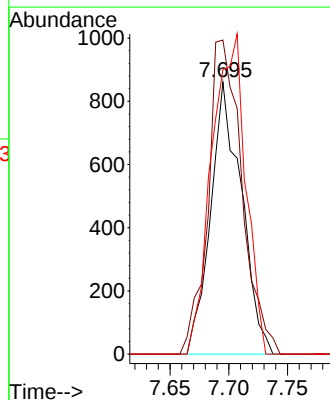
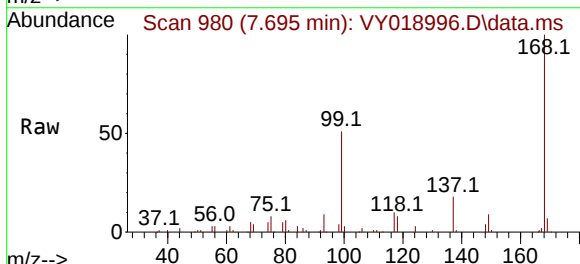
Tgt Ion: 56 Resp: 1567

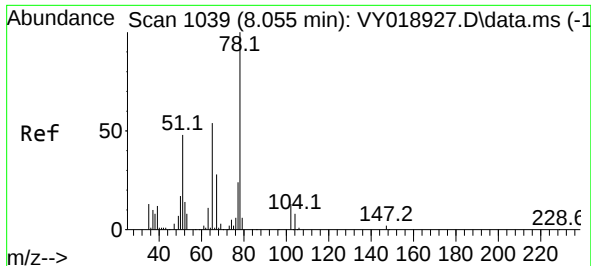
Ion Ratio Lower Upper

56 100

69 115.6 28.7 43.1#

84 104.8 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 58.611 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY018996.D

Acq: 12 Aug 2024 12:44

Instrument :

MSVOA_Y

ClientSampleId :

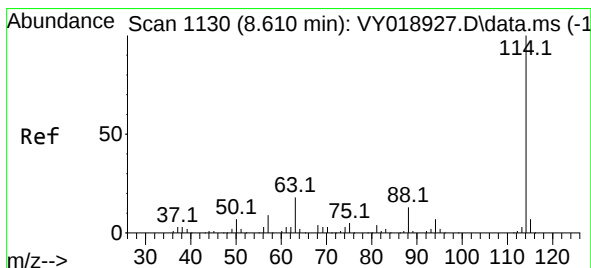
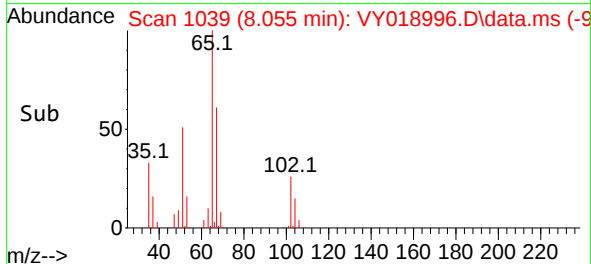
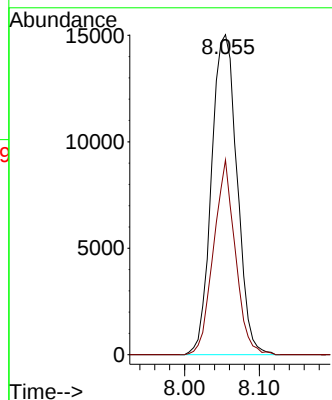
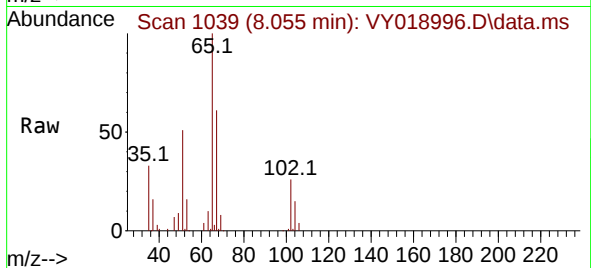
OU4-TS-18-080724

Tgt Ion: 65 Resp: 35642

Ion Ratio Lower Upper

65 100

67 52.0 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: VY018996.D

Acq: 12 Aug 2024 12:44

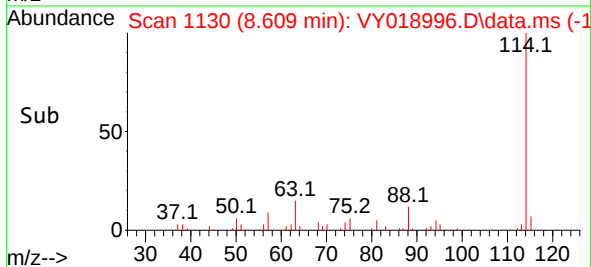
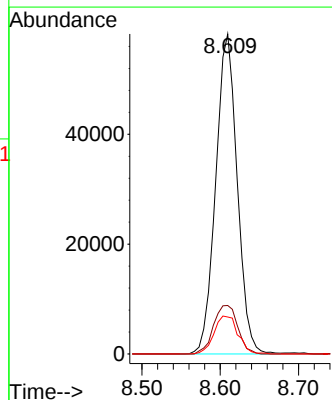
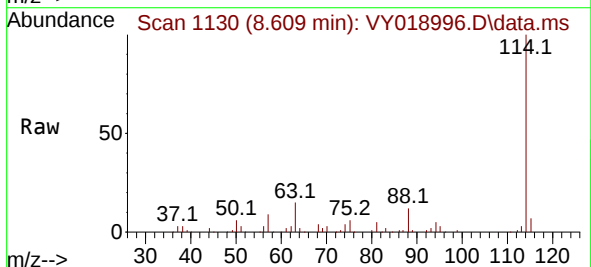
Tgt Ion: 114 Resp: 111236

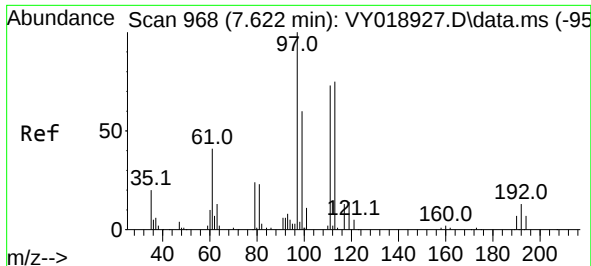
Ion Ratio Lower Upper

114 100

63 15.2 0.0 35.0

88 11.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 49.288 ug/l

RT: 7.622 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY018996.D

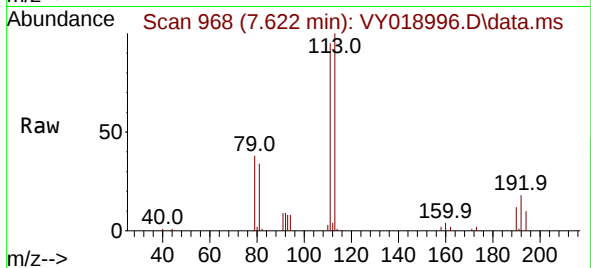
Acq: 12 Aug 2024 12:44

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-18-080724



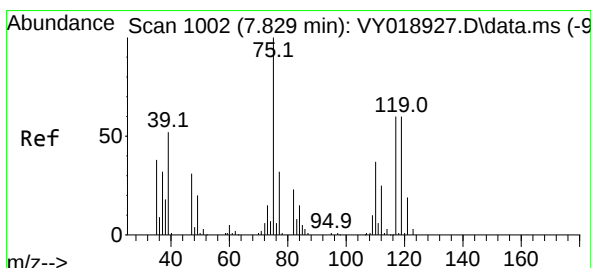
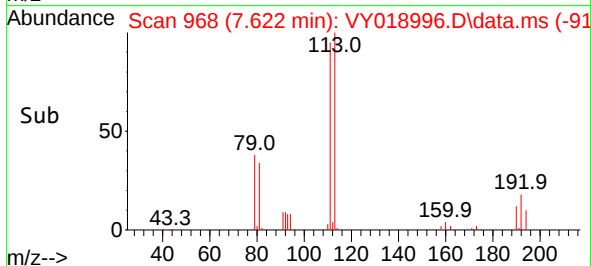
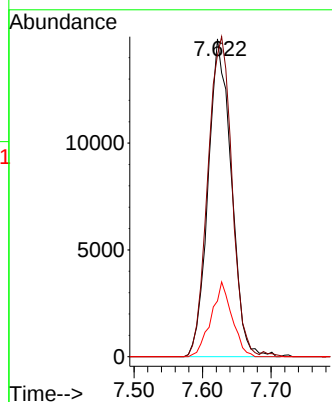
Tgt Ion:113 Resp: 35017

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 21.1 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.399 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY018996.D

Acq: 12 Aug 2024 12:44

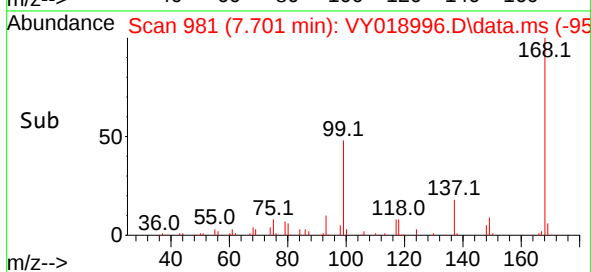
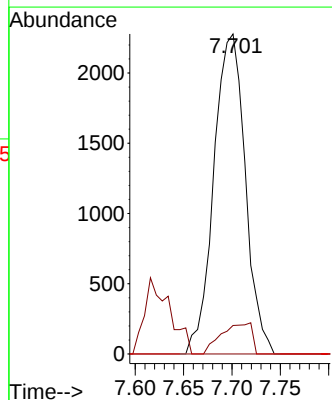
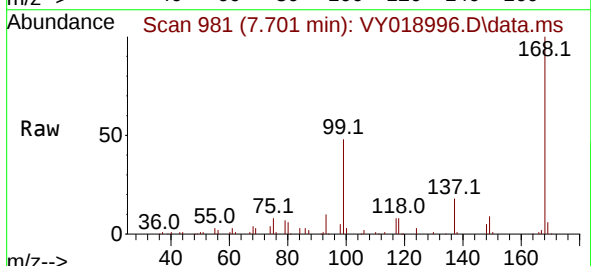
Tgt Ion: 75 Resp: 5149

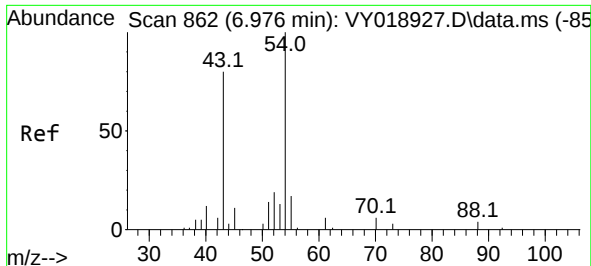
Ion Ratio Lower Upper

75 100

110 9.3 19.0 57.0#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.882 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY018996.D

Acq: 12 Aug 2024 12:44

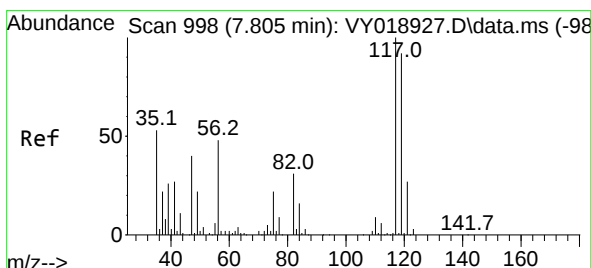
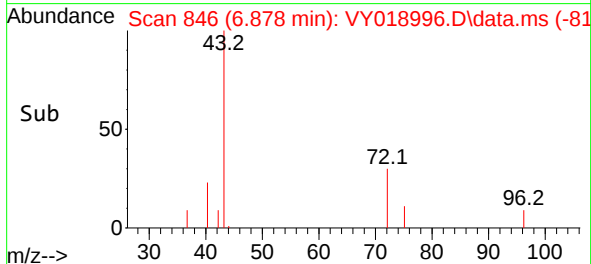
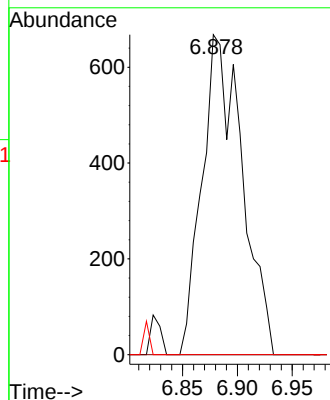
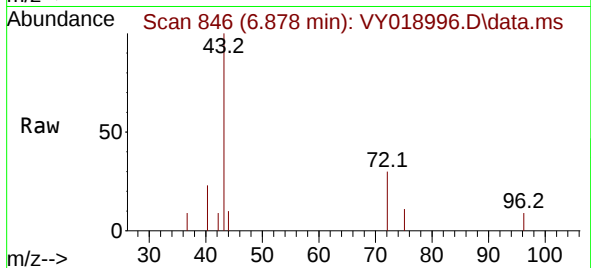
Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-18-080724

Tgt Ion: 43	Resp:	1692
Ion	Ratio	Lower Upper
43	100	
61	0.0	12.6 19.0#
70	0.0	7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.463 ug/l

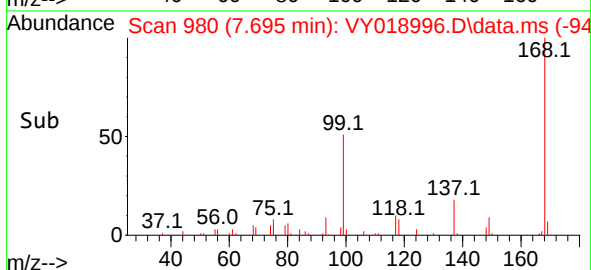
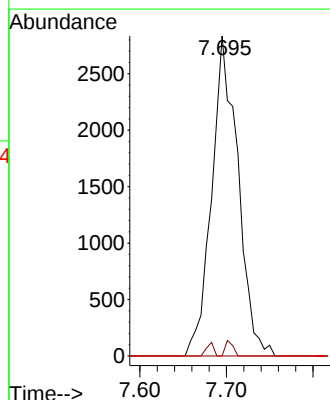
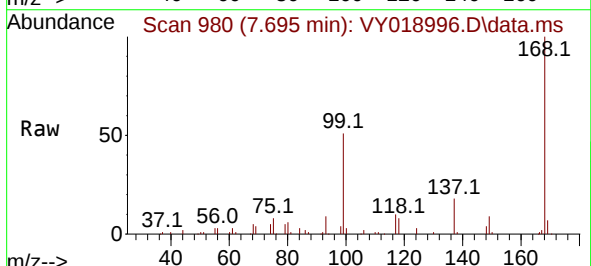
RT: 7.695 min Scan# 980

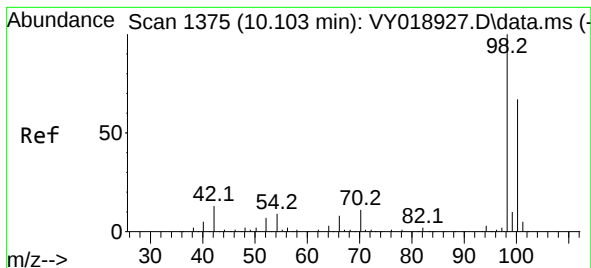
Delta R.T. -0.110 min

Lab File: VY018996.D

Acq: 12 Aug 2024 12:44

Tgt Ion: 117	Resp:	5974
Ion	Ratio	Lower Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	24.0 36.0#





#50

Toluene-d8

Concen: 48.617 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018996.D

Acq: 12 Aug 2024 12:44

Instrument :

MSVOA_Y

ClientSampleId :

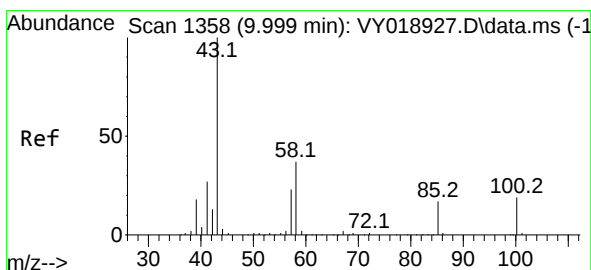
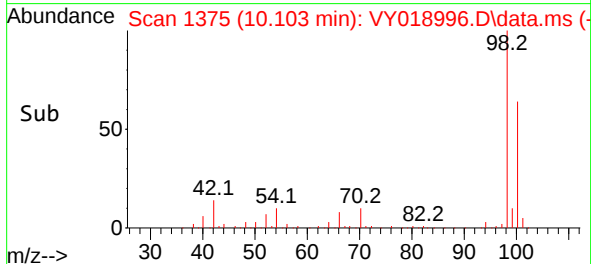
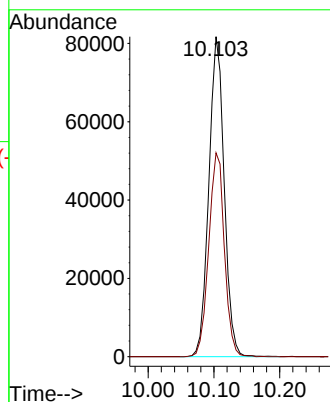
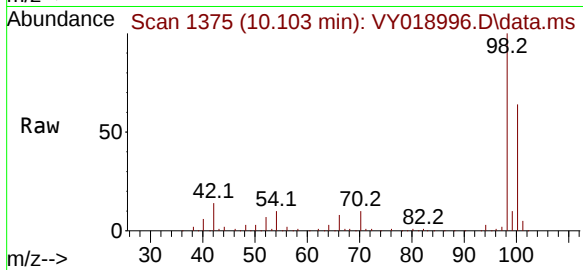
OU4-TS-18-080724

Tgt Ion: 98 Resp: 132669

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.590 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.110 min

Lab File: VY018996.D

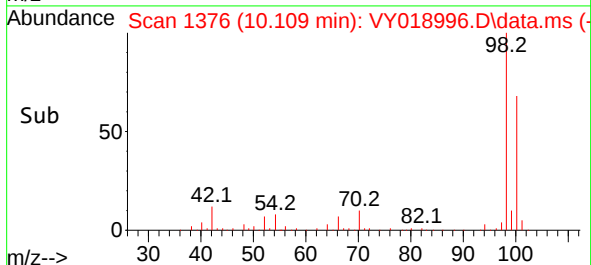
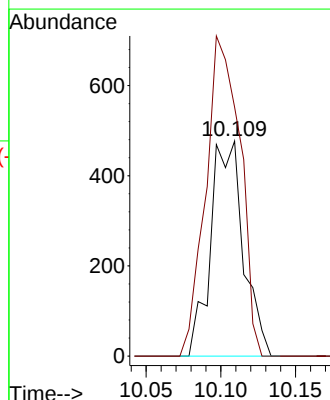
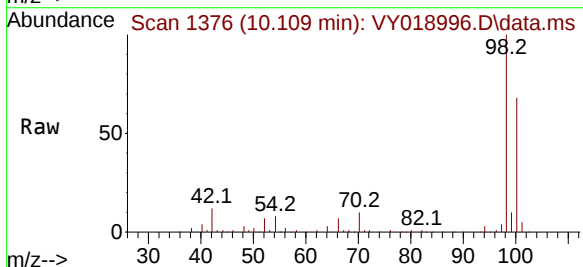
Acq: 12 Aug 2024 12:44

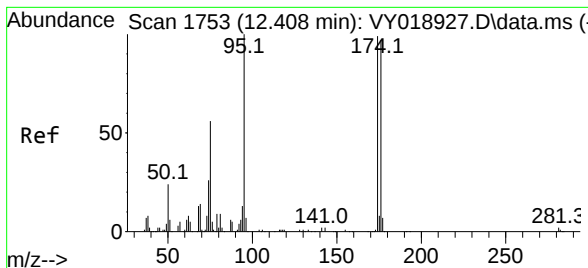
Tgt Ion: 43 Resp: 727

Ion Ratio Lower Upper

43 100

58 156.0 35.7 53.5#

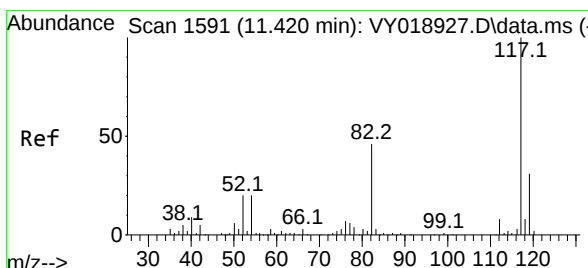
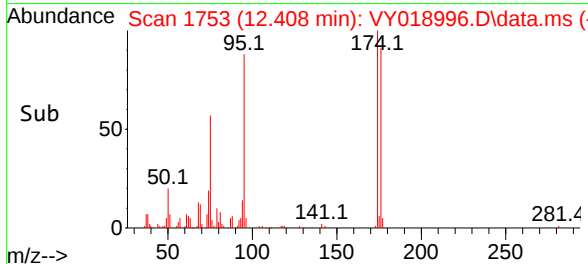
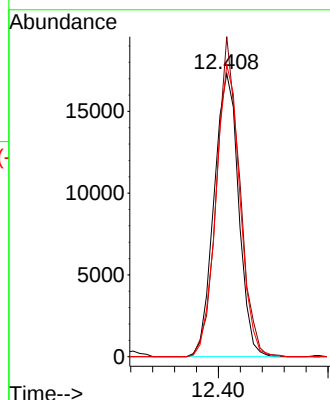
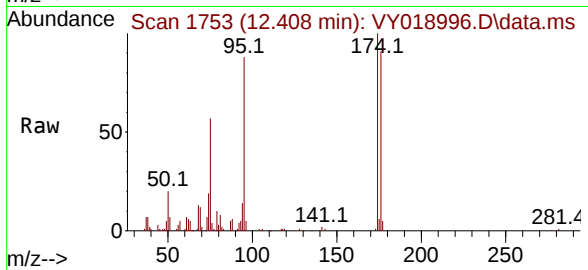




#62
4-Bromofluorobenzene
Concen: 33.274 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018996.D
Acq: 12 Aug 2024 12:44

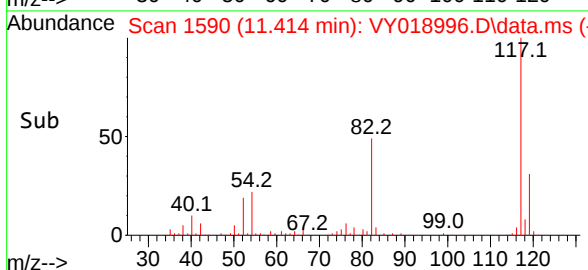
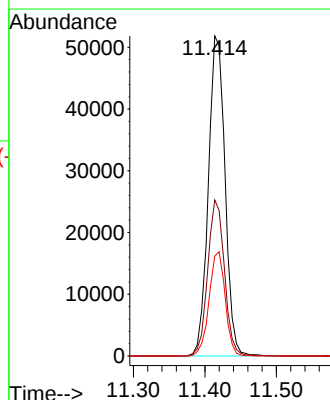
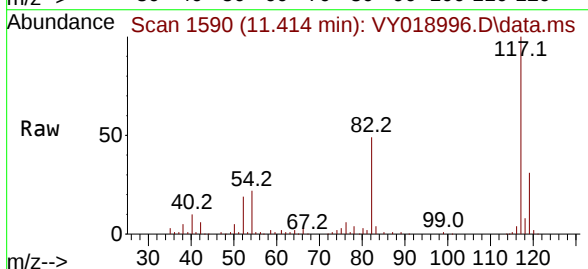
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-18-080724

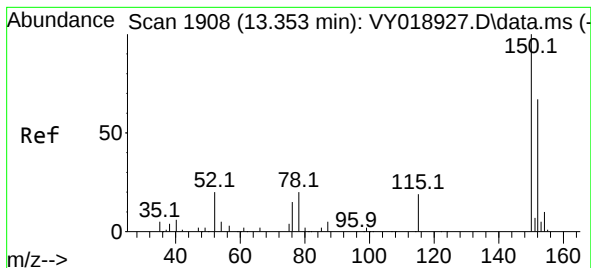
Tgt Ion:	95	Resp:	26939
Ion Ratio	Lower	Upper	
95	100		
174	105.7	0.0	175.6
176	101.5	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY018996.D
Acq: 12 Aug 2024 12:44

Tgt Ion:	117	Resp:	84155
Ion Ratio	Lower	Upper	
117	100		
82	48.7	42.4	63.6
119	31.2	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: VY018996.D

Acq: 12 Aug 2024 12:44

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-18-080724

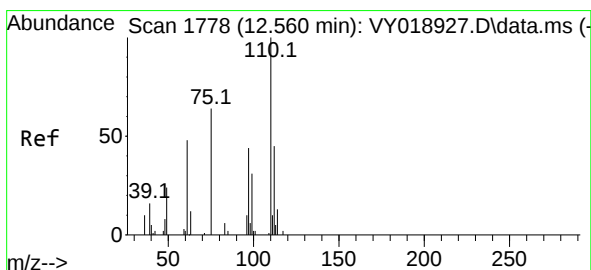
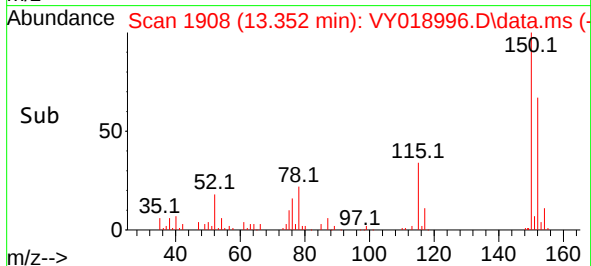
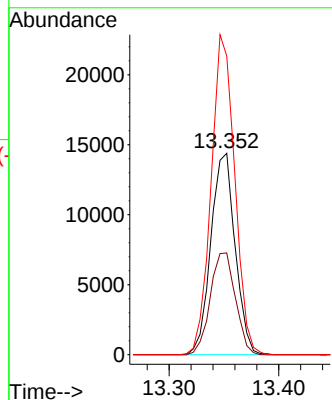
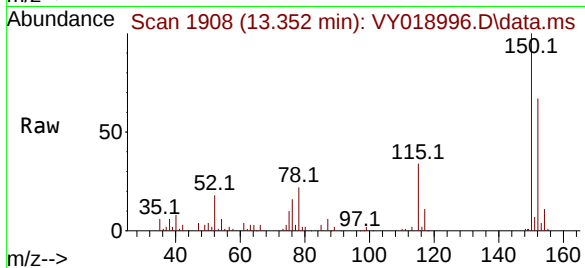
Tgt Ion:152 Resp: 22159

Ion Ratio Lower Upper

152 100

115 52.3 28.2 84.7

150 154.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 94.457 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY018996.D

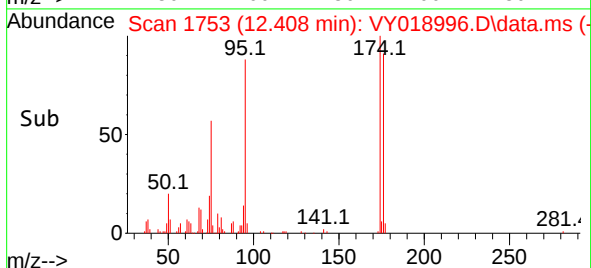
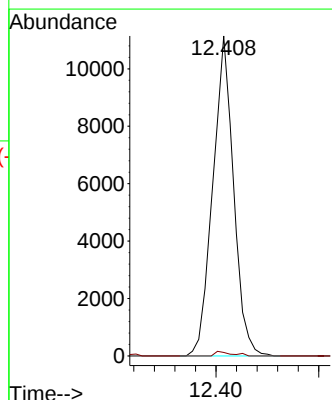
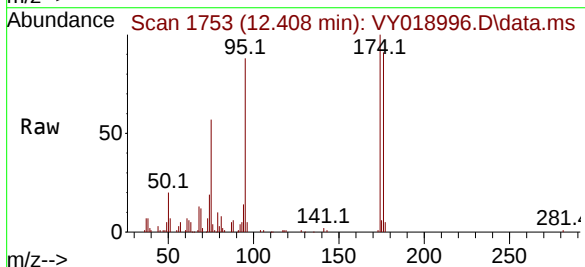
Acq: 12 Aug 2024 12:44

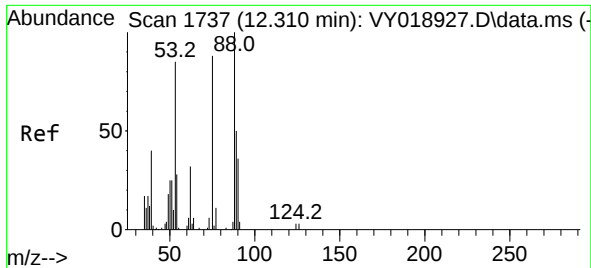
Tgt Ion: 75 Resp: 15593

Ion Ratio Lower Upper

75 100

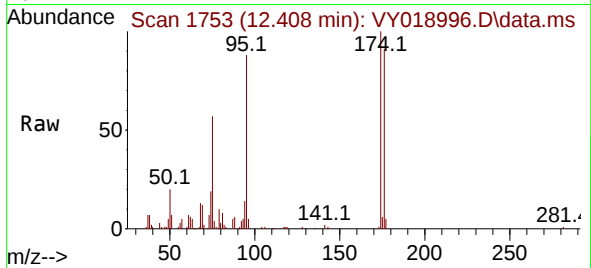
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 194.636 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY018996.D
 Acq: 12 Aug 2024 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-18-080724



Tgt Ion:	75	Resp:	15593
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

