

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025781.D
 Acq On : 01 Aug 2018 17:05
 Operator : MD/SY
 Sample : J4262-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-01

Quant Time: Aug 02 04:47:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	199016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315576	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	314200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	192519	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	153775	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	4.89	113	130238	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	7.57	98	458668	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	10.31	95	182375	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

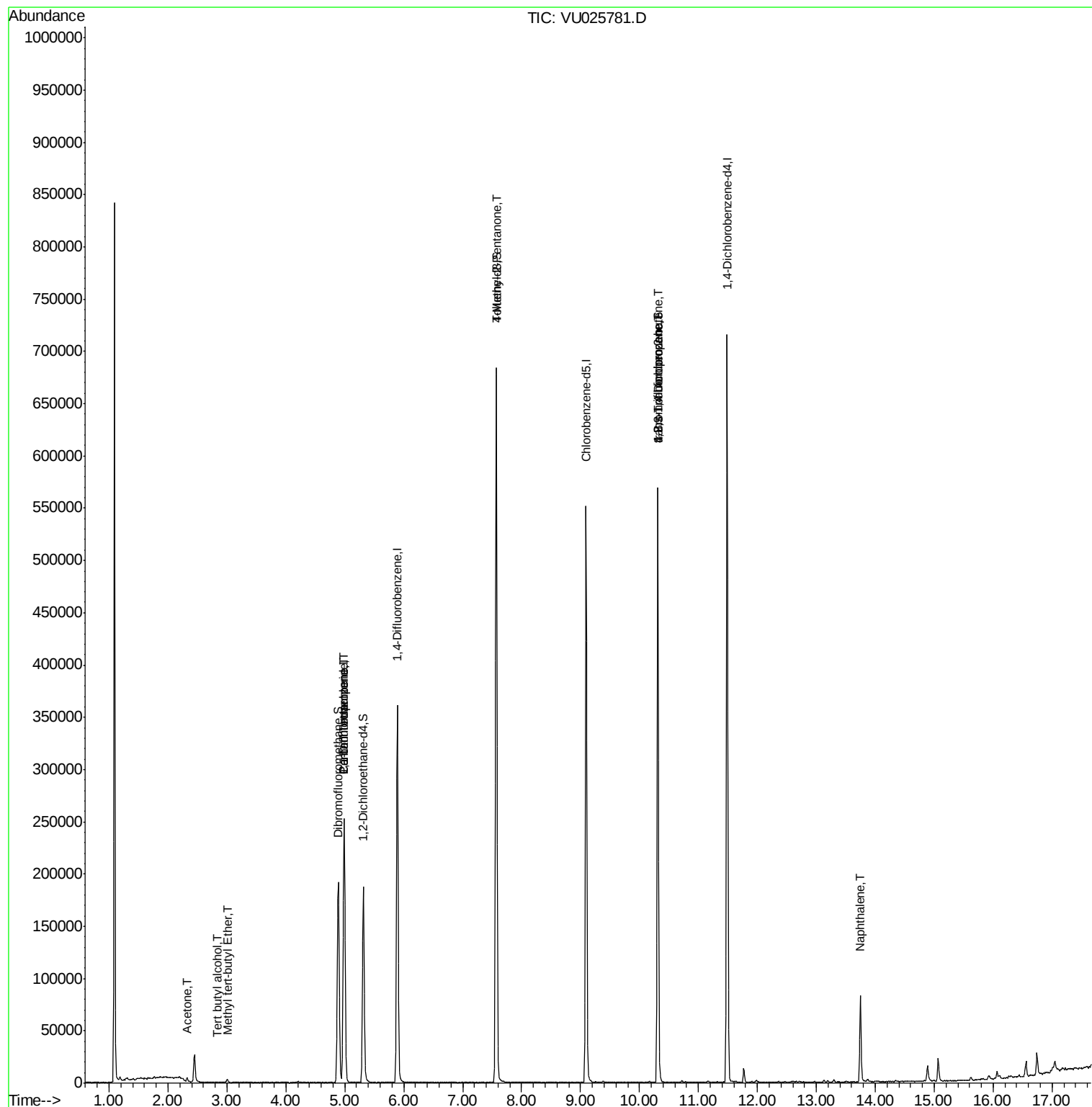
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	431	0.63	ug/l	# 73
13) Acrolein	2.14	56	19	Below	Cal	# 1
16) Acetone	2.33	43	3943	2.61	ug/l	# 85
19) Methyl tert-butyl Ether	3.01	73	2778	0.36	ug/l	# 91
31) Cyclohexane	4.99	56	3687	Below	Cal	# 23
36) 1,1-Dichloropropene	4.99	75	13781	3.74	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	18791	4.50	ug/l	# 16
51) 4-Methyl-2-Pentanone	7.57	43	2077	0.52	ug/l	# 1
76) 1,2,3-Trichloropropane	10.31	75	91260	21.51	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.31	75	91260	53.95	ug/l	# 100
95) Naphthalene	13.75	128	72809	6.22	ug/l	# 99

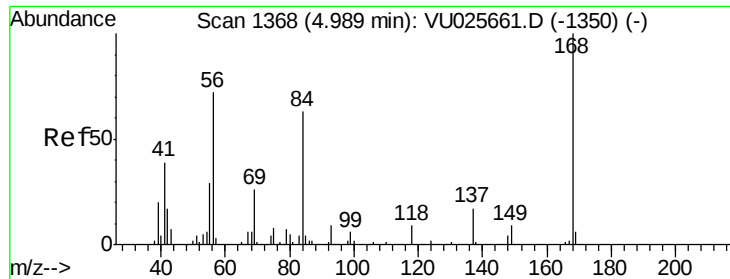
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025781.D

Acq: 01 Aug 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

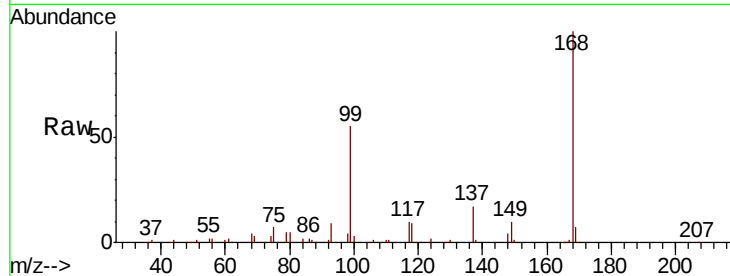
GW-01

Tot Ion:168 Resp: 199016

Ion Ratio Lower Upper

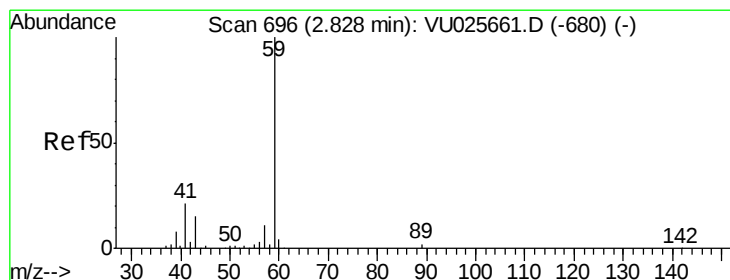
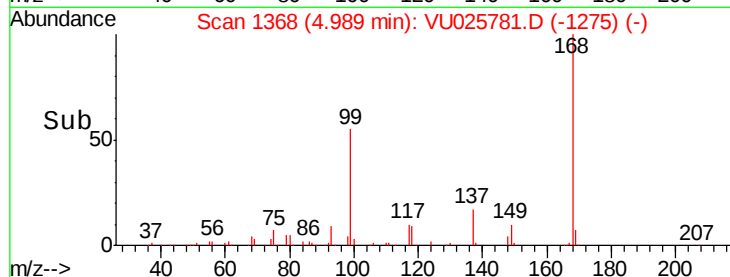
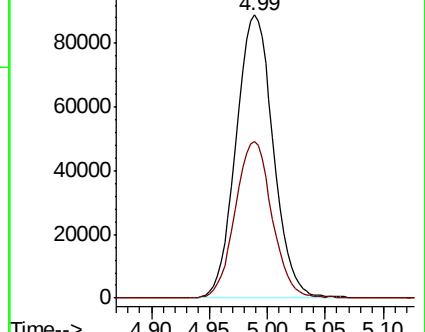
168 100

99 55.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025781.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025781.D (-1275) (-)



#11

Tert butyl alcohol

Concen: 0.63 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU025781.D

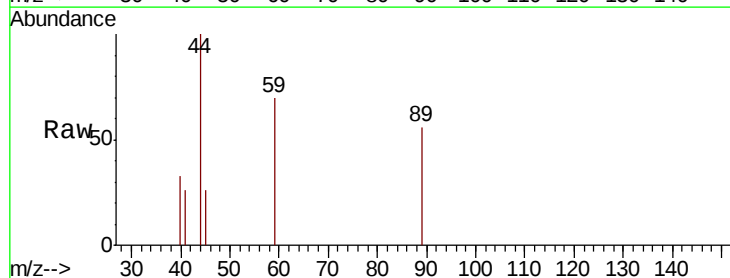
Acq: 01 Aug 2018 17:05

Tgt Ion: 59 Resp: 431

Ion Ratio Lower Upper

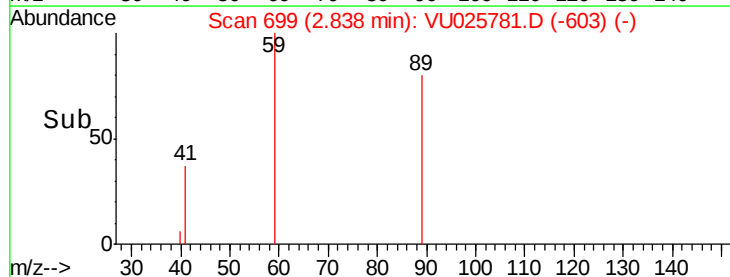
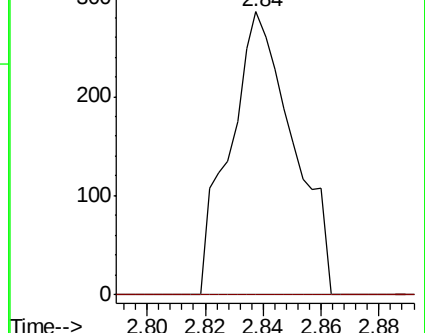
59 100

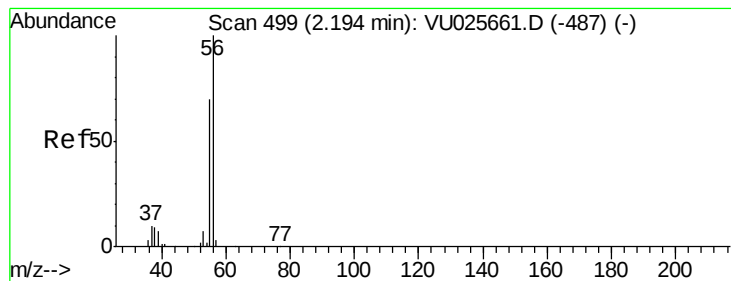
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025781.D (-603) (-)

Ion 57.00 (56.70 to 57.70): VU025781.D (-603) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.14 min Scan# 481

Delta R.T. -0.06 min

Lab File: VU025781.D

Acq: 01 Aug 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

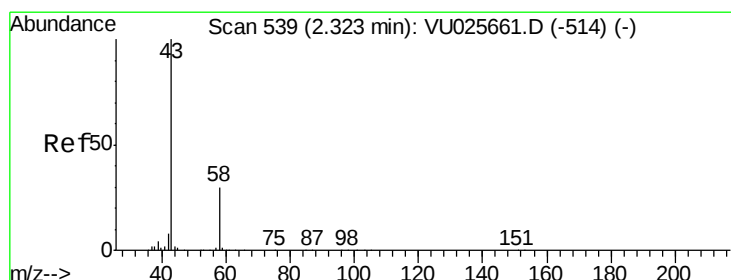
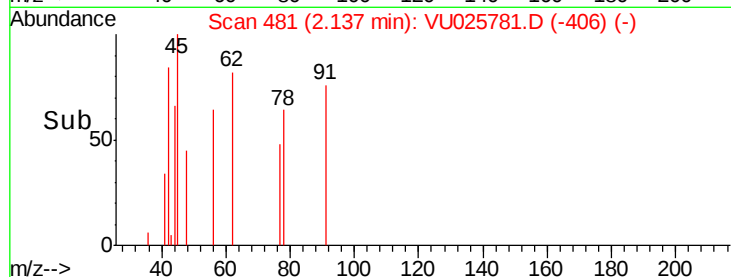
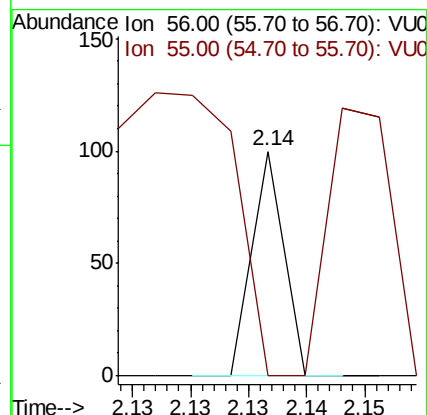
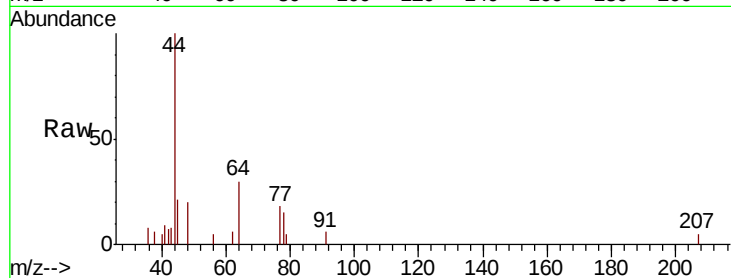
GW-01

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 236.8 57.2 85.8#



#16

Acetone

Concen: 2.61 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025781.D

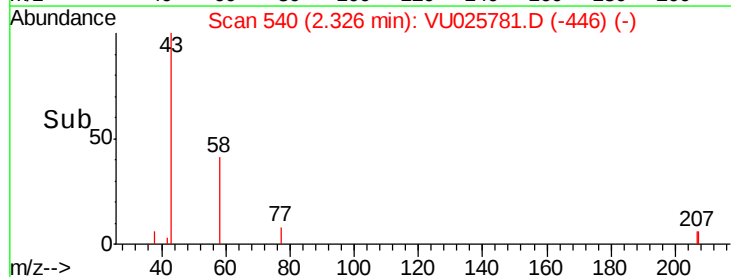
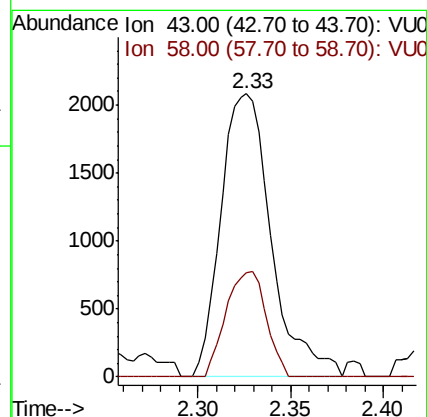
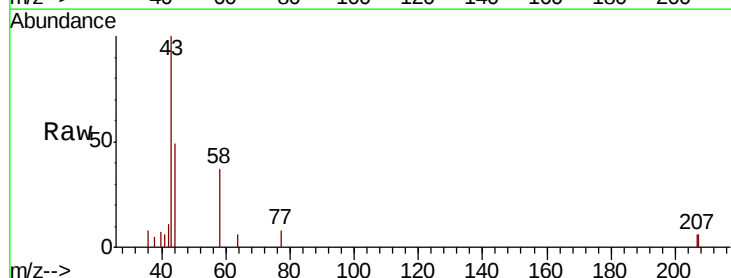
Acq: 01 Aug 2018 17:05

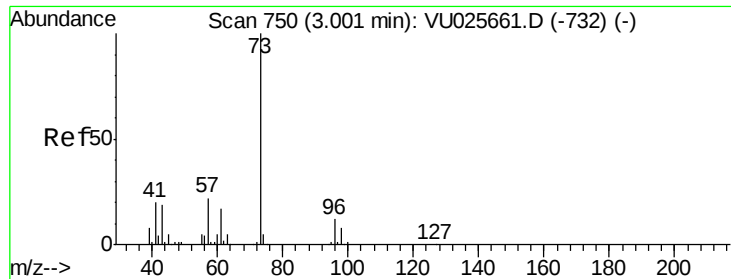
Tgt Ion: 43 Resp: 3943

Ion Ratio Lower Upper

43 100

58 36.7 23.1 34.7#

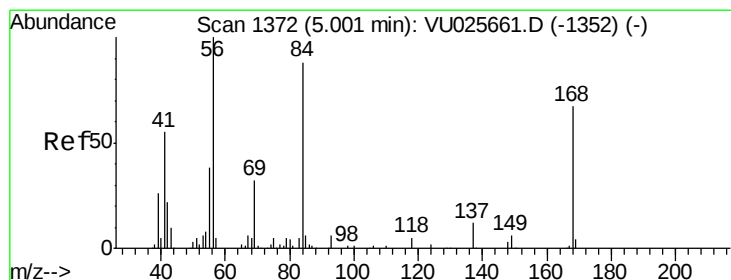
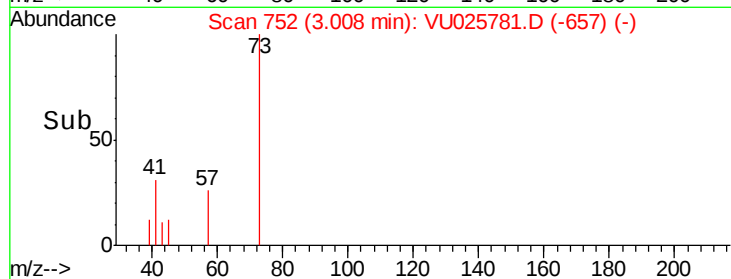
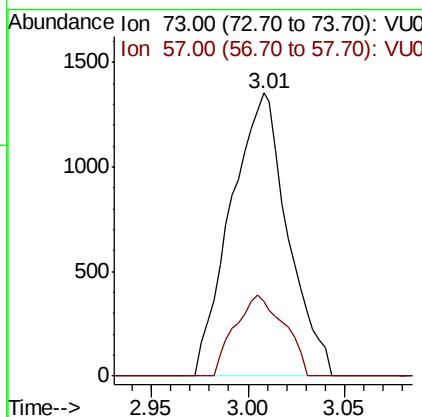
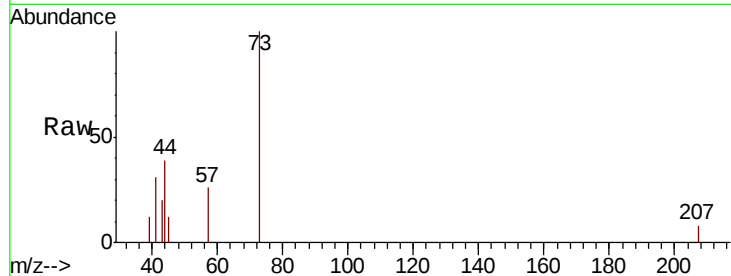




#19
Methvl tert-butvl Ether
Concen: 0.36 ug/l
RT: 3.01 min Scan# 752
Delta R.T. 0.01 min
Lab File: VU025781.D
Acq: 01 Aug 2018 17:05

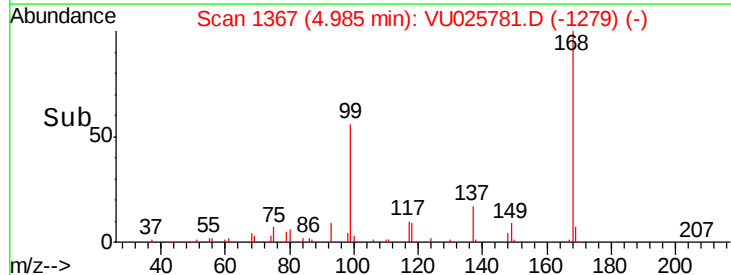
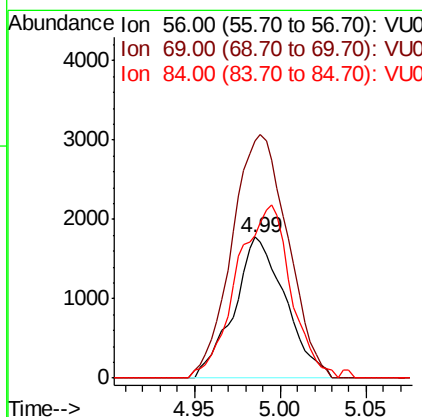
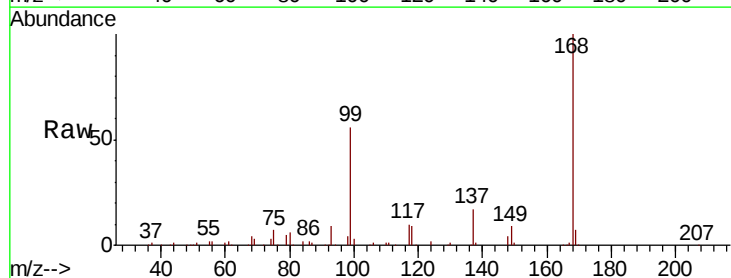
Instrument :
MSVOA_U
ClientSampleId :
GW-01

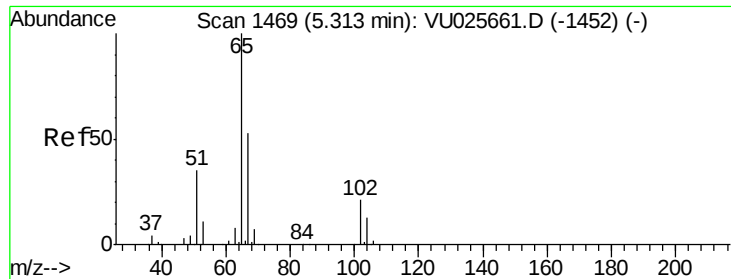
Tot Ion: 73 Resp: 2778
Ion Ratio Lower Upper
73 100
57 26.3 17.4 26.2#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025781.D
Acq: 01 Aug 2018 17:05

Tgt Ion: 56 Resp: 3687
Ion Ratio Lower Upper
56 100
69 168.5 26.8 40.2#
84 101.3 69.7 104.5





#33

1,2-Dichloroethane-d4

Concen: 49.59 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025781.D

Acq: 01 Aug 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

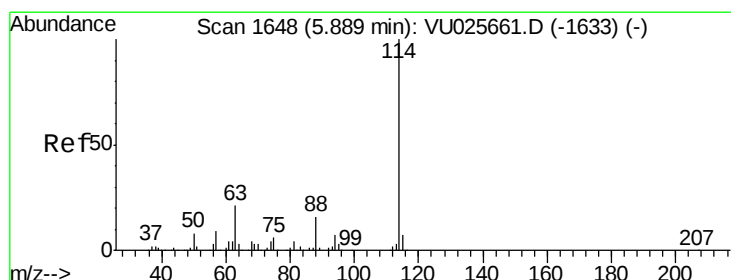
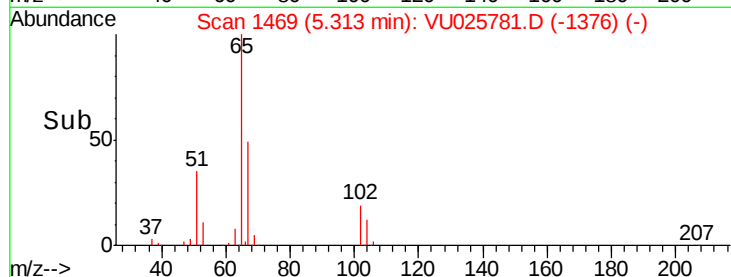
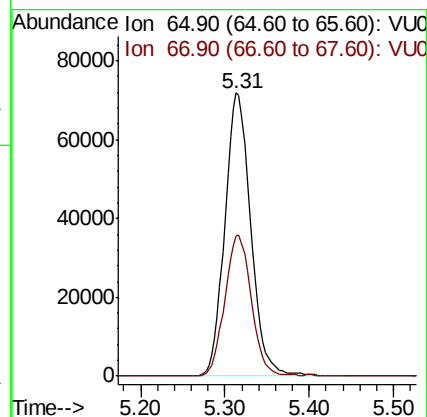
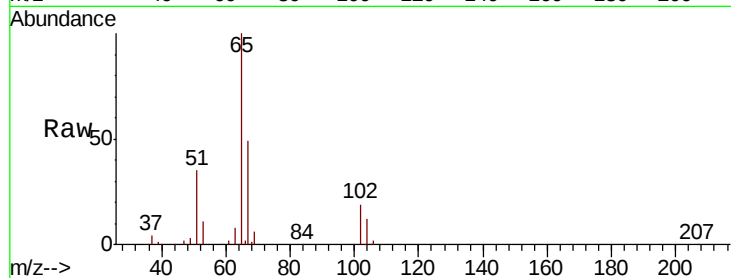
GW-01

Tot Ion: 65 Resp: 153775

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025781.D

Acq: 01 Aug 2018 17:05

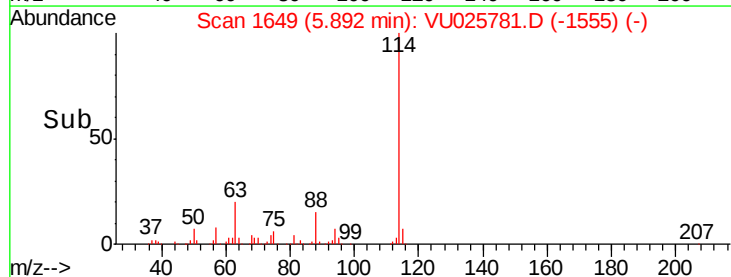
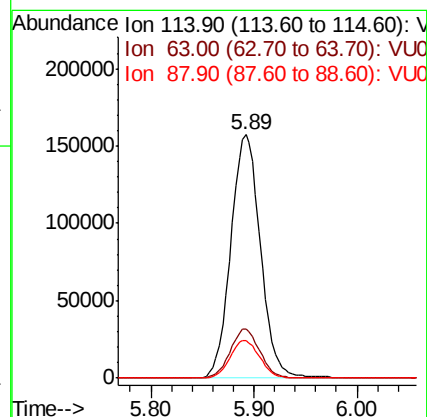
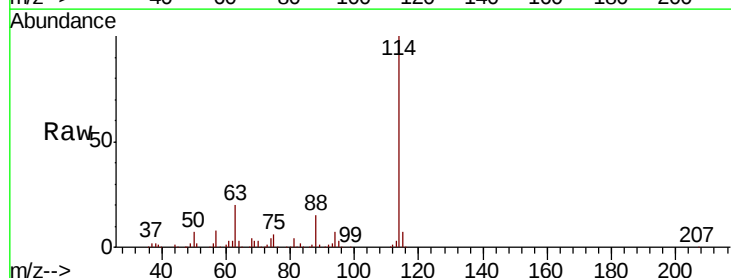
Tgt Ion: 114 Resp: 315576

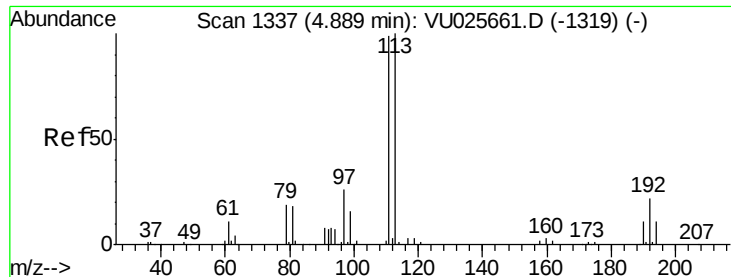
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 15.4 0.0 32.4

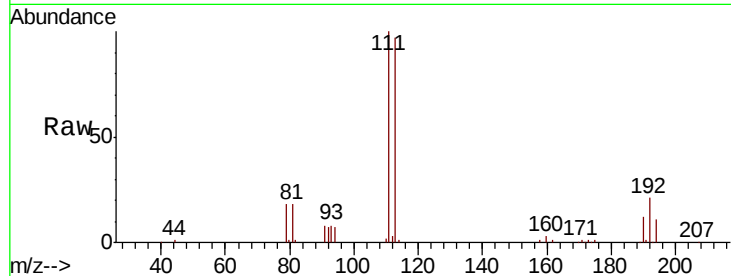




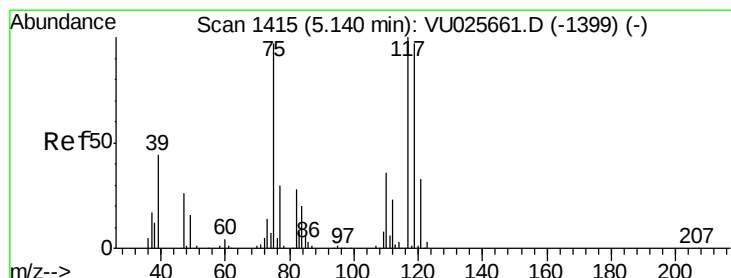
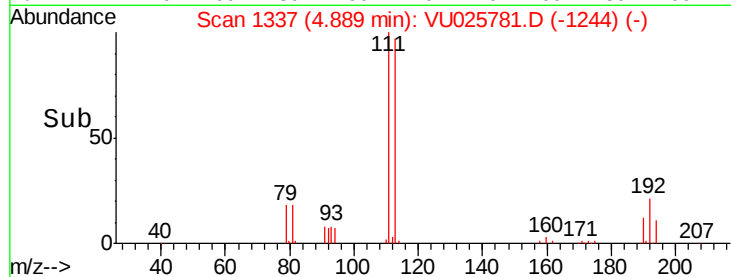
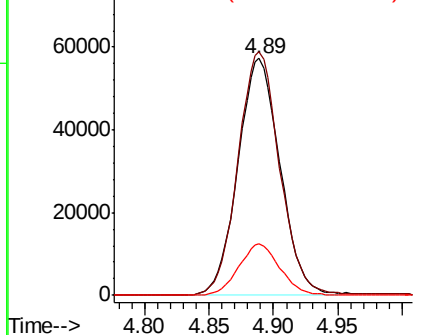
#35
 Dibromofluoromethane
 Concen: 47.45 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025781.D
 Acq: 01 Aug 2018 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.7	122.5
192	21.2	17.1	25.7

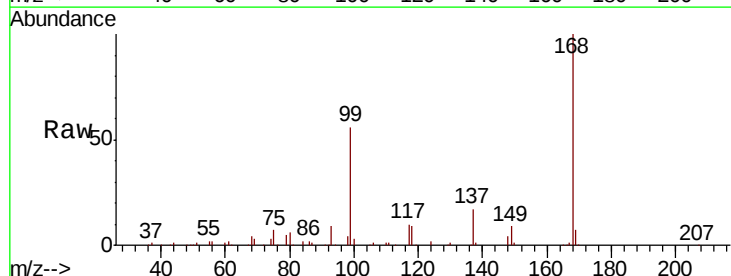


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

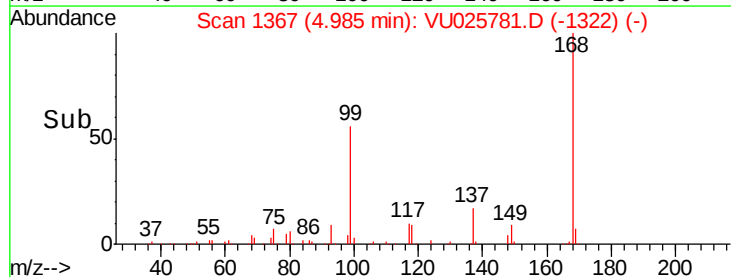
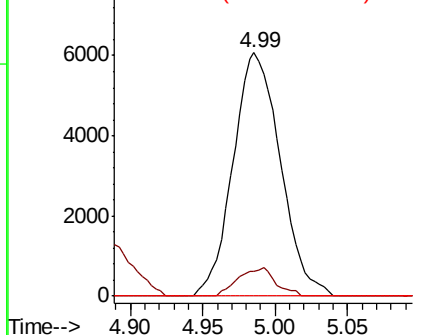


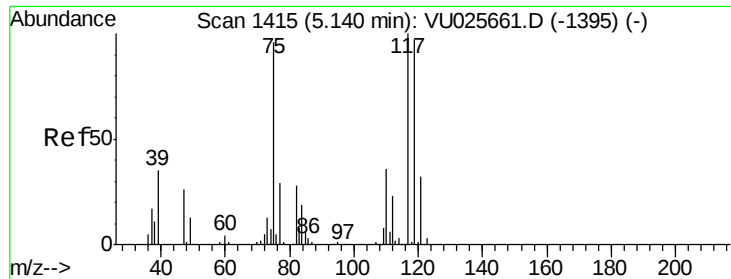
#36
 1,1-Dichloropropene
 Concen: 3.74 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025781.D
 Acq: 01 Aug 2018 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.6	52.9#
77	0.0	24.4	36.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.50 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025781.D

Acq: 01 Aug 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

GW-01

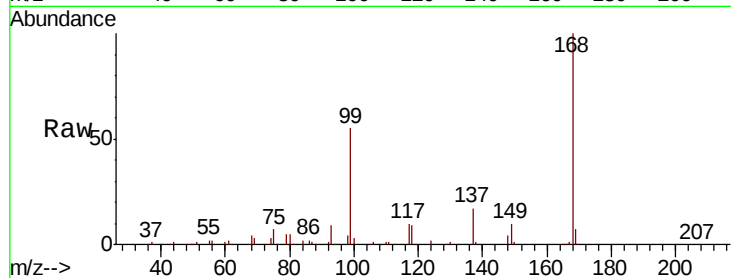
Tot Ion:117 Resp: 18791

Ion Ratio Lower Upper

117 100

119 4.2 75.7 113.5#

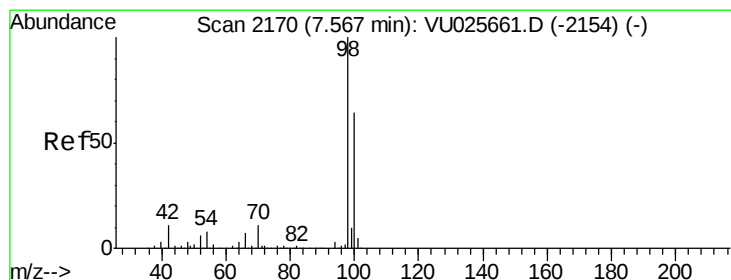
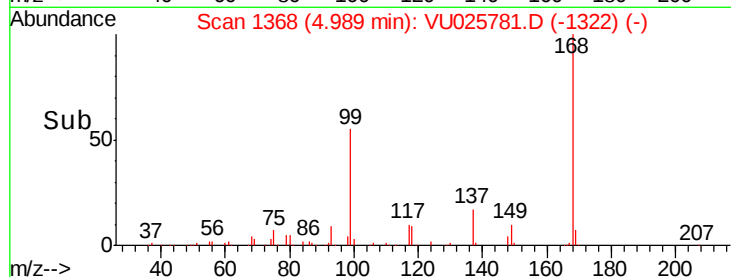
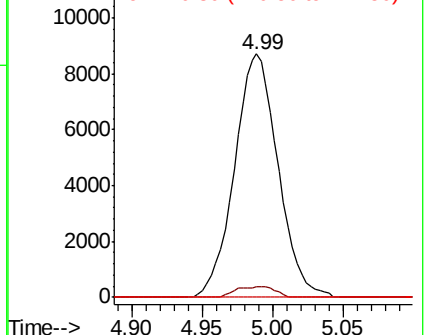
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.75 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025781.D

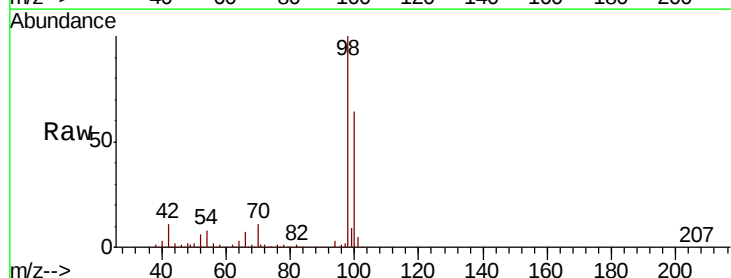
Acq: 01 Aug 2018 17:05

Tgt Ion: 98 Resp: 458668

Ion Ratio Lower Upper

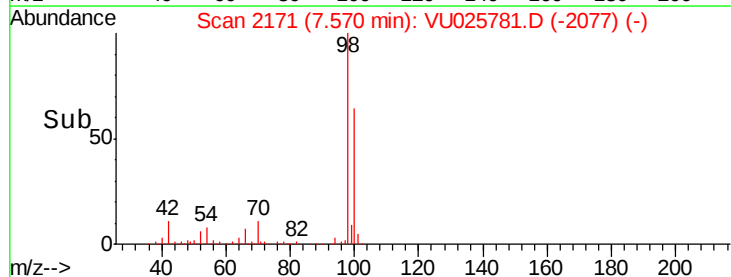
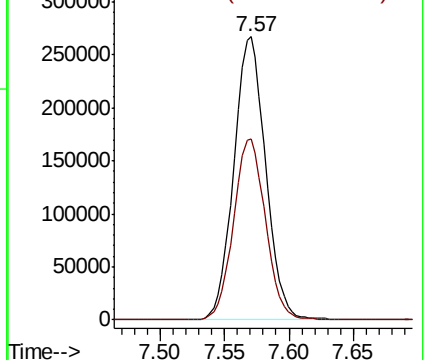
98 100

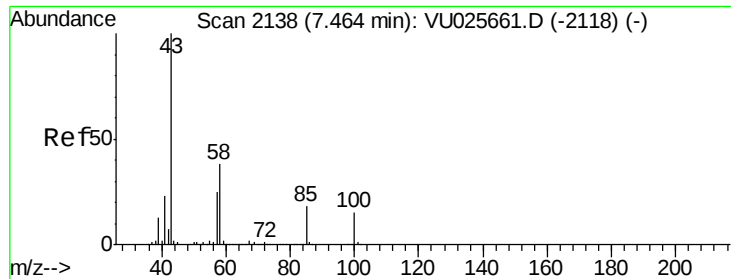
100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.52 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.10 min

Lab File: VU025781.D

Acq: 01 Aug 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

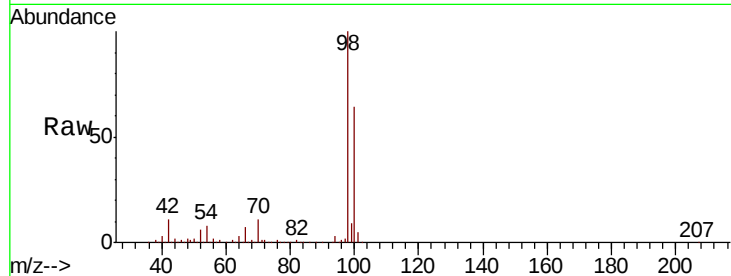
GW-01

Tot Ion: 43 Resp: 2077

Ion Ratio Lower Upper

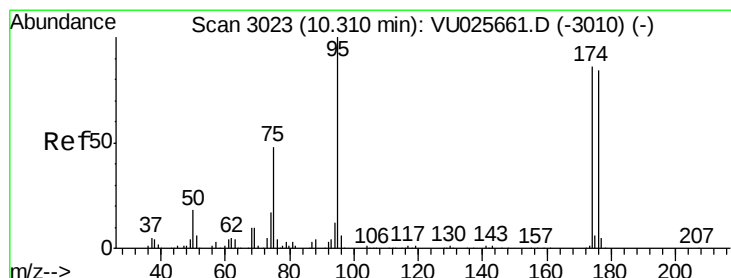
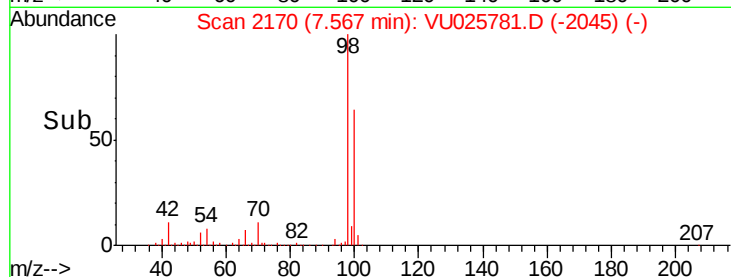
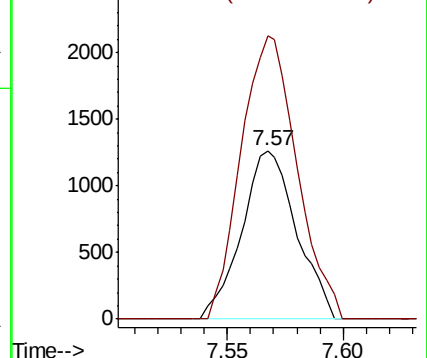
43 100

58 171.2 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 48.92 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025781.D

Acq: 01 Aug 2018 17:05

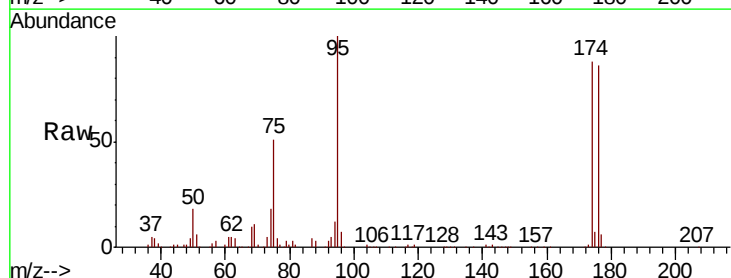
Tgt Ion: 95 Resp: 182375

Ion Ratio Lower Upper

95 100

174 88.6 0.0 172.2

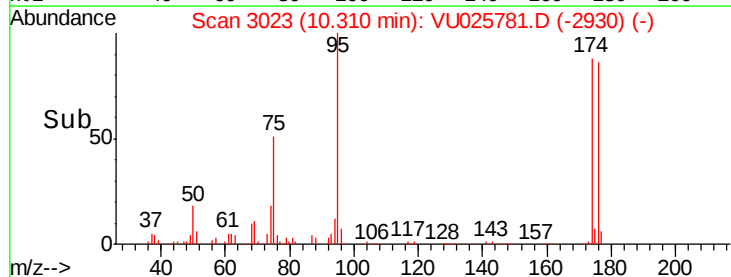
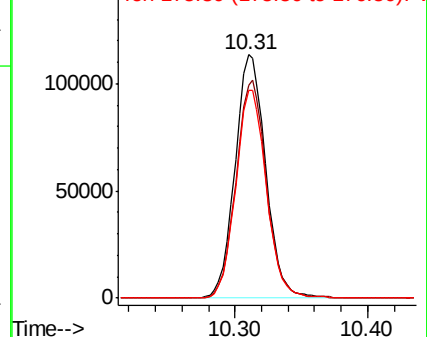
176 85.2 0.0 162.6

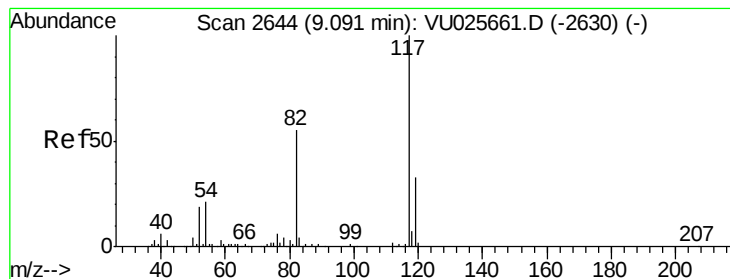


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025781.D

Acq: 01 Aug 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

GW-01

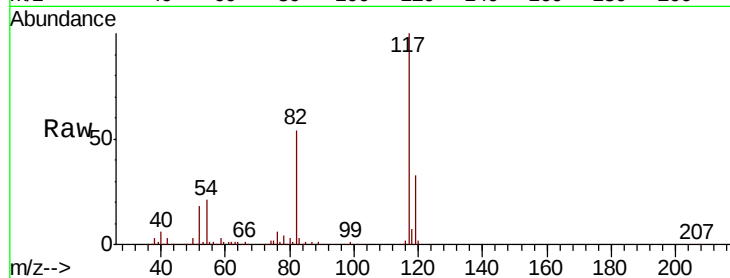
Tot Ion:117 Resp: 314200

Ion Ratio Lower Upper

117 100

82 54.5 46.0 69.0

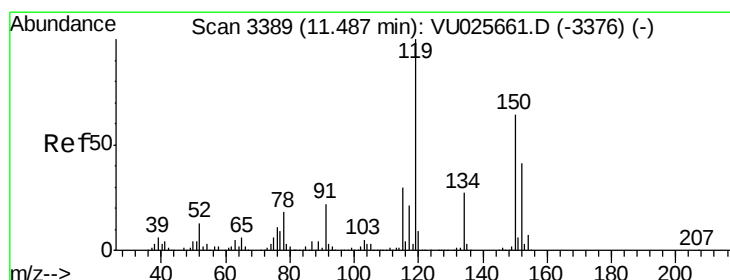
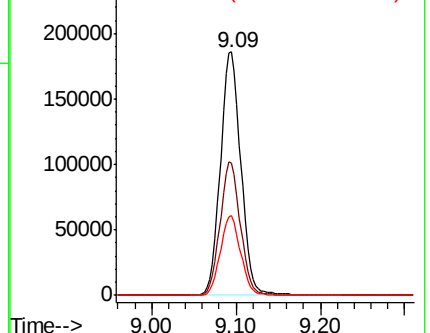
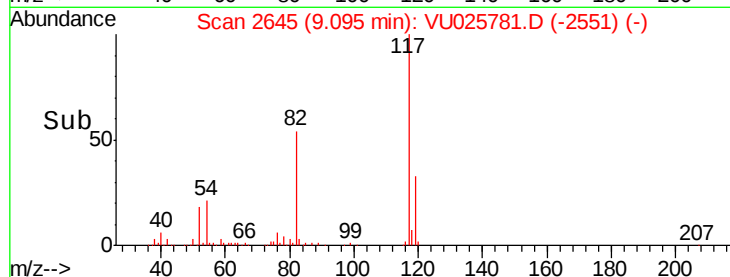
119 32.6 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025781.D

Acq: 01 Aug 2018 17:05

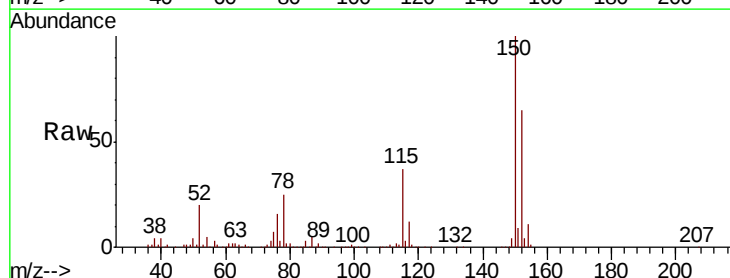
Tgt Ion:152 Resp: 192519

Ion Ratio Lower Upper

152 100

115 57.1 40.1 120.3

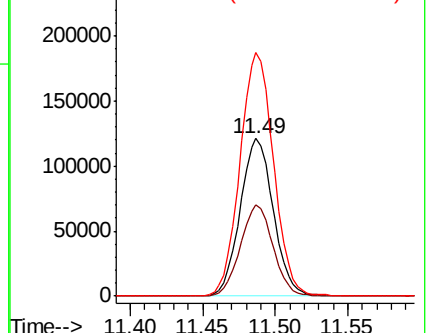
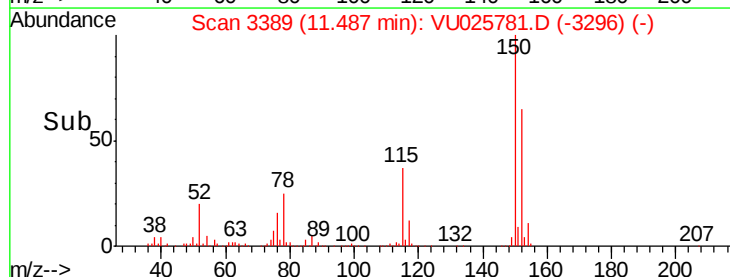
150 156.9 0.0 351.4

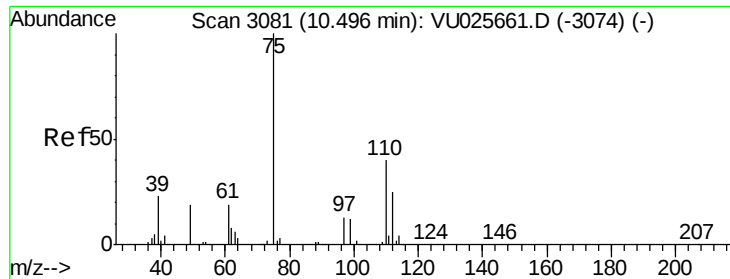


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

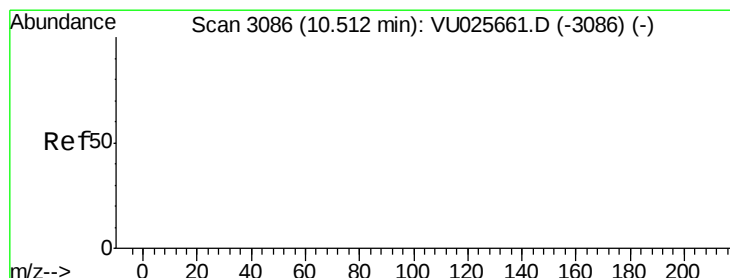
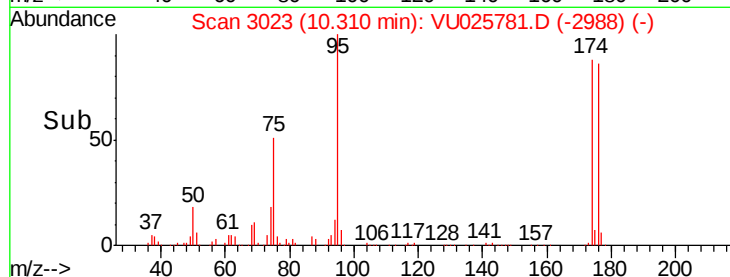
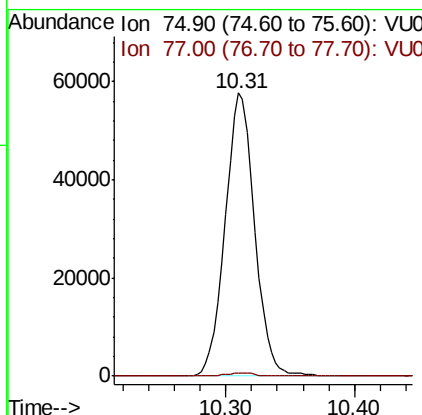
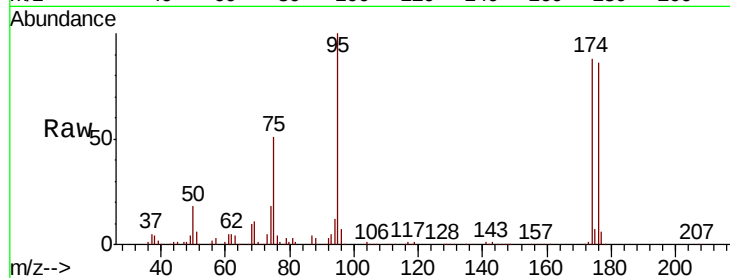




#76
 1,2,3-Trichloropropane
 Concen: 21.51 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025781.D
 Acq: 01 Aug 2018 17:05

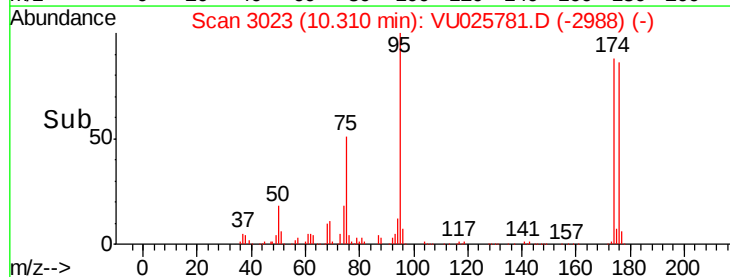
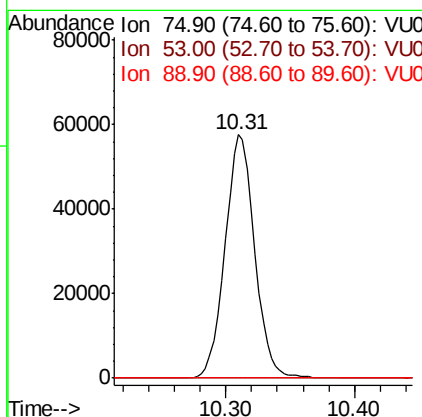
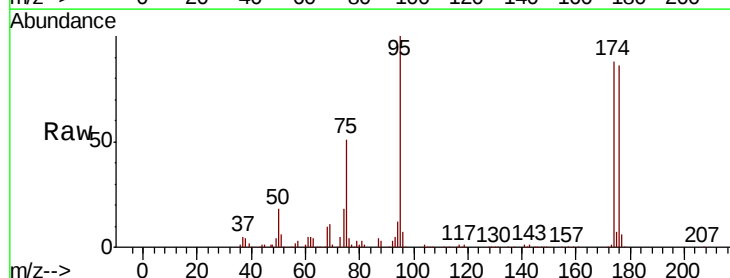
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-01

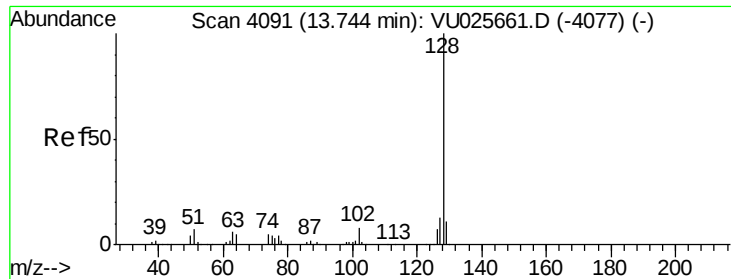
Tot Ion: 75 Resp: 91260
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.4 61.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.95 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025781.D
 Acq: 01 Aug 2018 17:05

Tgt Ion: 75 Resp: 91260
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95
Naphthalene
Concen: 6.22 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025781.D
Acq: 01 Aug 2018 17:05

Instrument :
MSVOA_U
ClientSampleId :
GW-01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.4	8.3	12.5

