

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025780.D
 Acq On : 01 Aug 2018 16:42
 Operator : MD/SY
 Sample : J4262-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-02

Quant Time: Aug 02 04:47:12 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	200821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314975	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	313027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	193783	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	152458	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
35) Dibromofluoromethane	4.89	113	129305	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
50) Toluene-d8	7.57	98	458237	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	10.31	95	183316	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

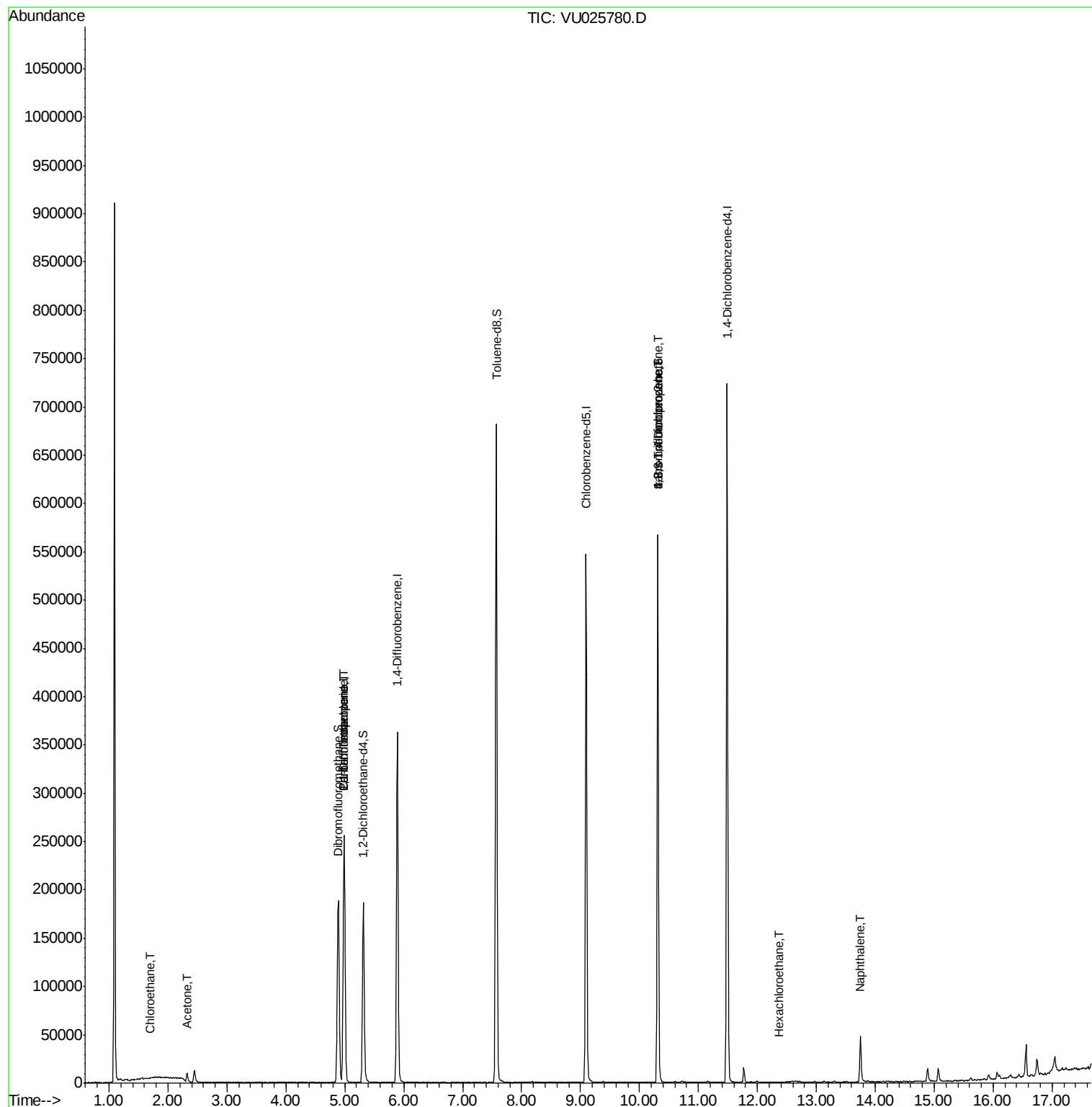
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	632	0.40	ug/l	# 43
13) Acrolein	2.21	56	24	Below Cal		# 1
16) Acetone	2.32	43	9008	5.90	ug/l	95
31) Cyclohexane	4.99	56	3754	Below Cal		# 1
36) 1,1-Dichloropropene	4.99	75	14577	3.96	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	19024	4.56	ug/l	# 16
76) 1,2,3-Trichloropropane	10.31	75	91745	21.49	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.31	75	91745	53.88	ug/l	# 100
90) Hexachloroethane	12.36	117	477	0.22	ug/l	# 7
95) Naphthalene	13.75	128	42327	4.12	ug/l	99

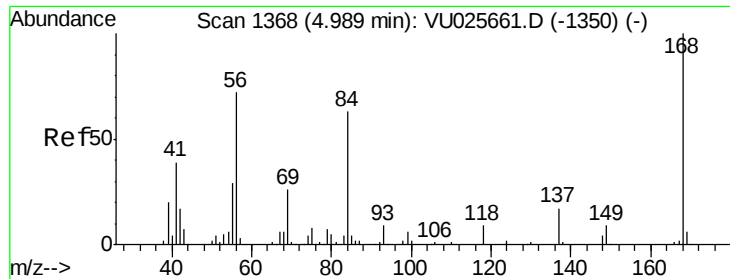
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025780.D

Acq: 01 Aug 2018 16:42

Instrument :

MSVOA_U

ClientSampleId :

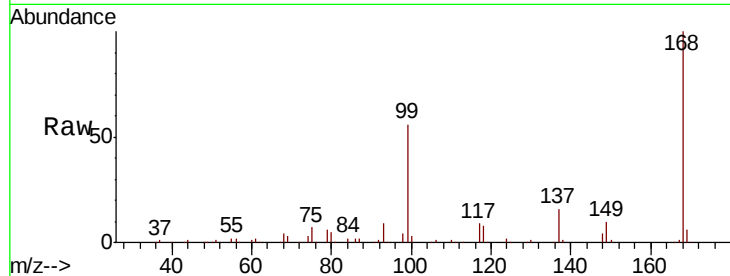
GW-02

Tot Ion:168 Resp: 200821

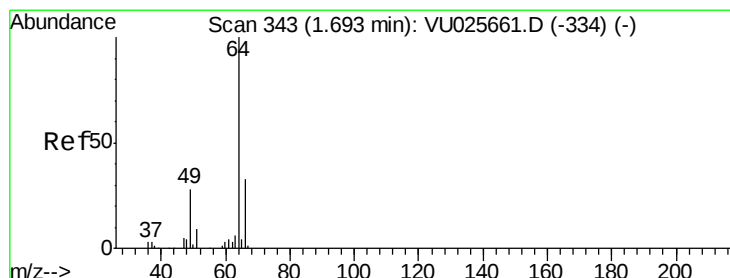
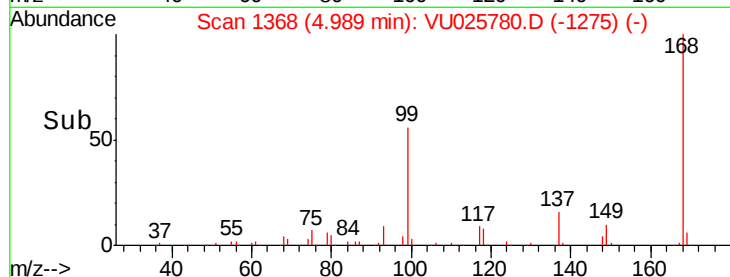
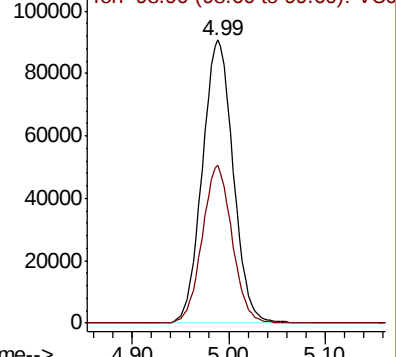
Ion Ratio Lower Upper

168 100

99 55.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)



#6

Chloroethane

Concen: 0.40 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.00 min

Lab File: VU025780.D

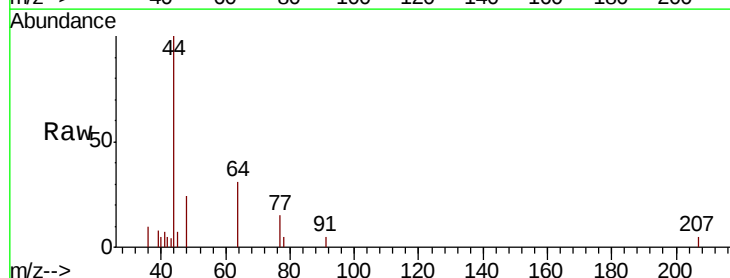
Acq: 01 Aug 2018 16:42

Tgt Ion: 64 Resp: 632

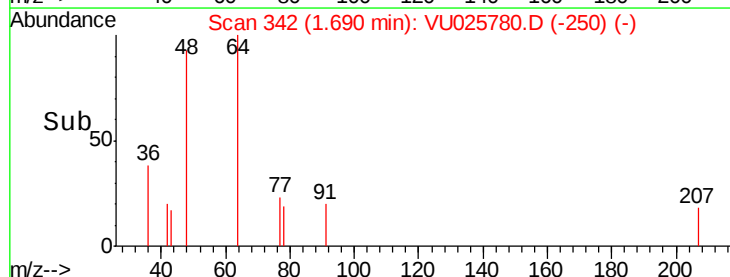
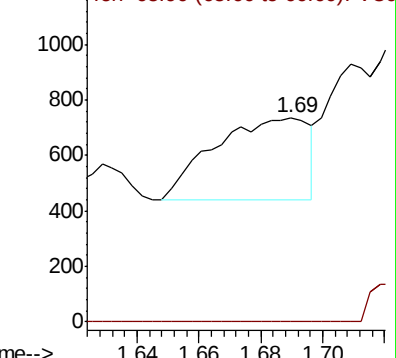
Ion Ratio Lower Upper

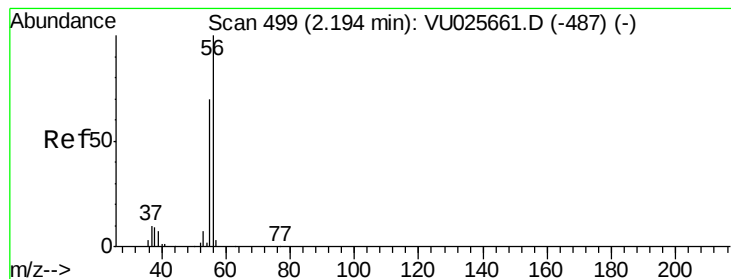
64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.21 min Scan# 504

Delta R.T. 0.02 min

Lab File: VU025780.D

Acq: 01 Aug 2018 16:42

Instrument :

MSVOA_U

ClientSampleId :

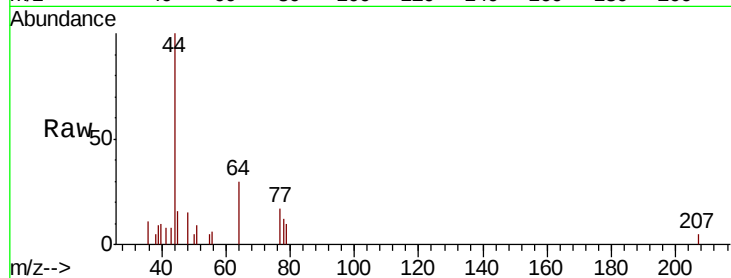
GW-02

Tot Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 900.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.21

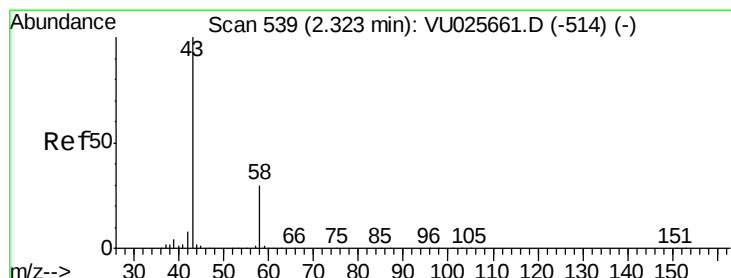
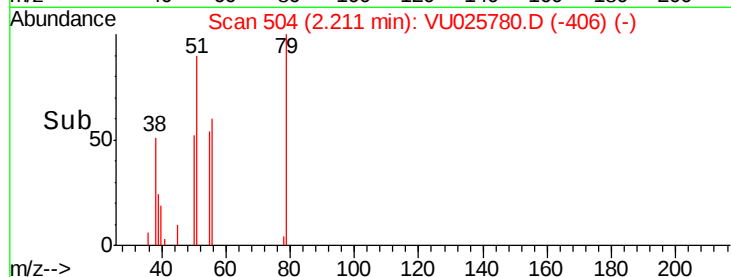
150

100

50

0

Time-->



#16

Acetone

Concen: 5.90 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025780.D

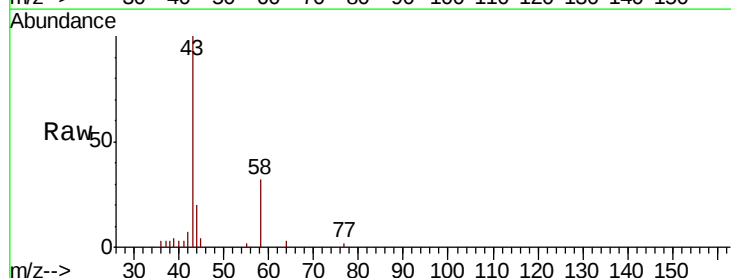
Acq: 01 Aug 2018 16:42

Tgt Ion: 43 Resp: 9008

Ion Ratio Lower Upper

43 100

58 31.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

6000

5000

4000

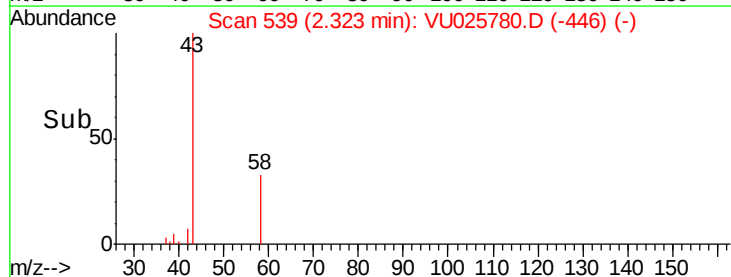
3000

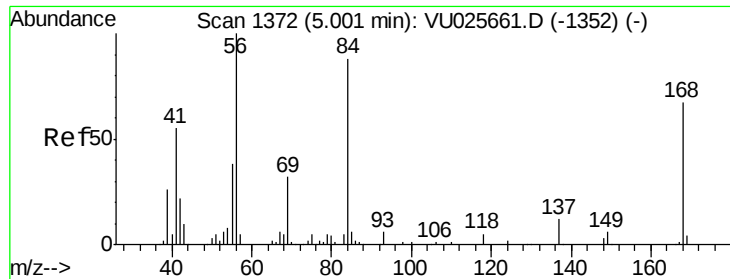
2000

1000

0

Time-->

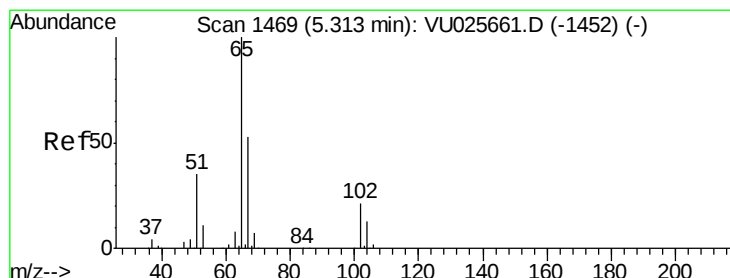
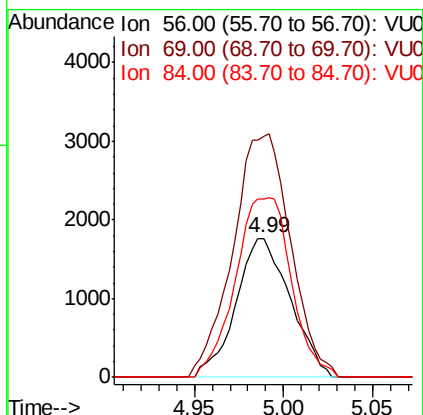
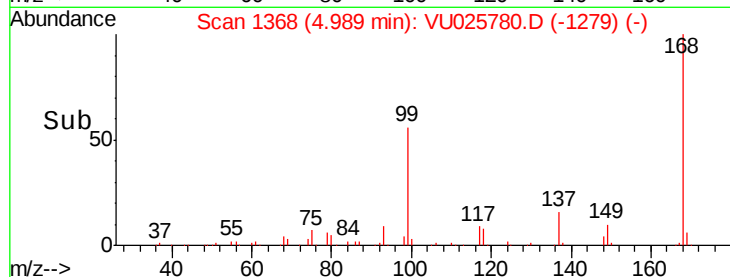
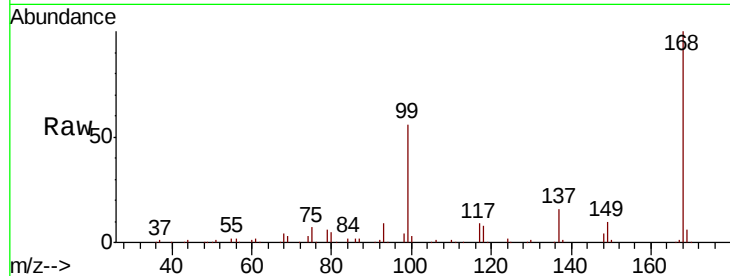




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025780.D
Acq: 01 Aug 2018 16:42

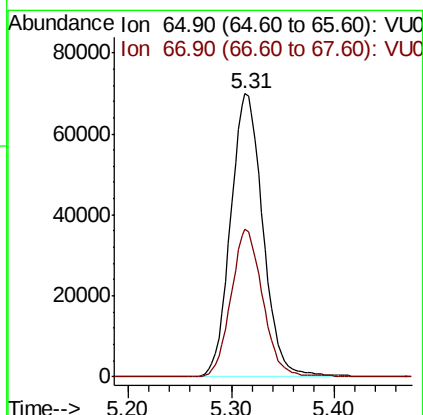
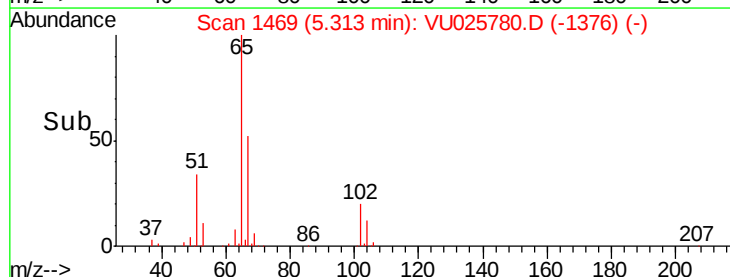
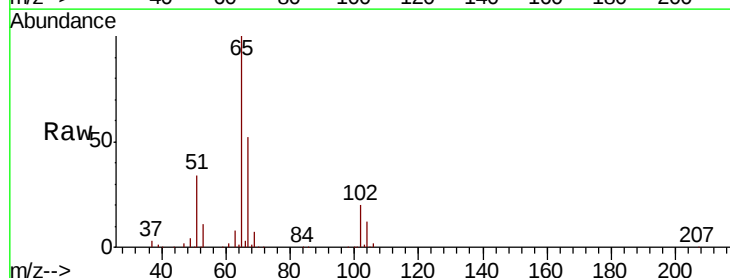
Instrument :
MSVOA_U
ClientSampleId :
GW-02

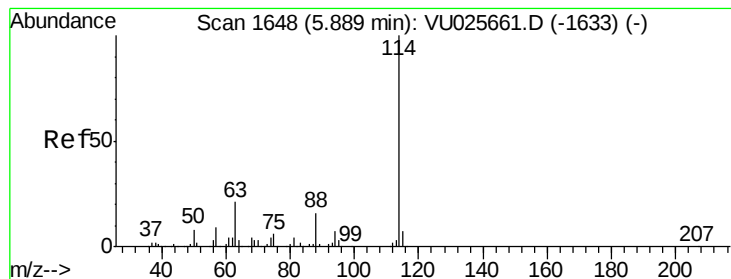
Tot Ion: 56 Resp: 3754
Ion Ratio Lower Upper
56 100
69 173.8 26.8 40.2#
84 128.4 69.7 104.5#



#33
1,2-Dichloroethane-d4
Concen: 48.72 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025780.D
Acq: 01 Aug 2018 16:42

Tgt Ion: 65 Resp: 152458
Ion Ratio Lower Upper
65 100
67 50.9 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: VU025780.D

Acq: 01 Aug 2018 16:42

Instrument :

MSVOA_U

ClientSampleId :

GW-02

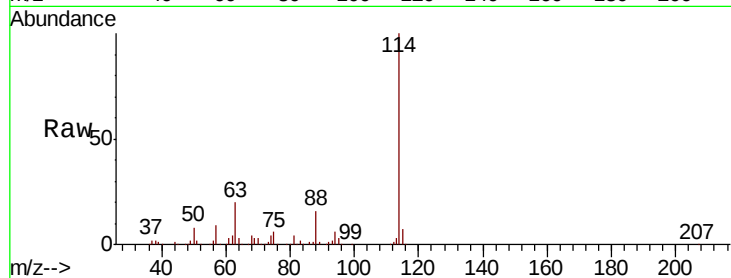
Tot Ion:114 Resp: 314975

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

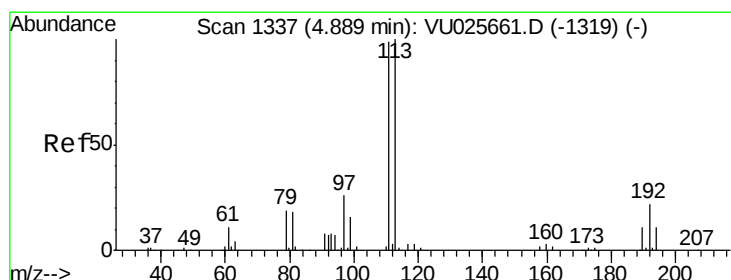
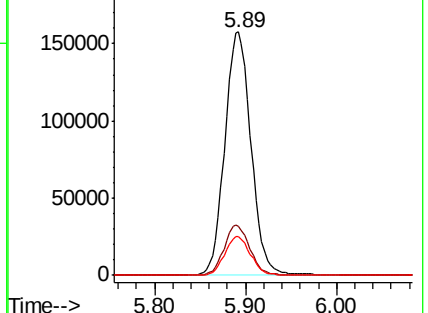
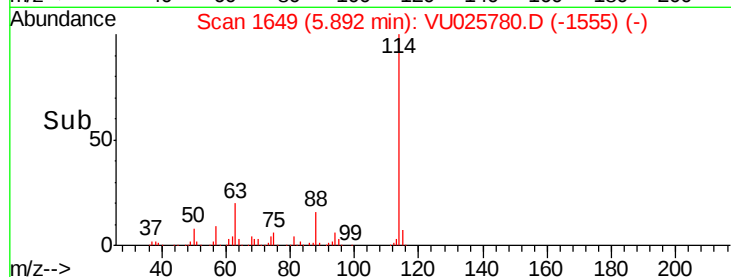
88 15.9 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.20 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025780.D

Acq: 01 Aug 2018 16:42

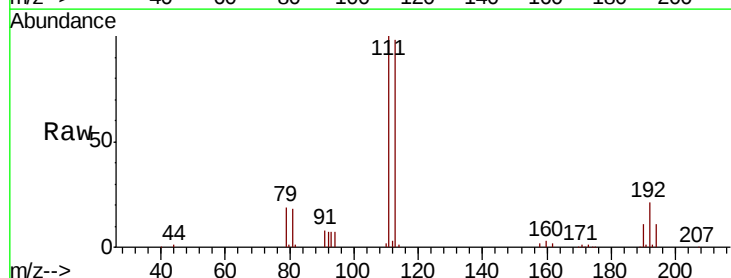
Tgt Ion:113 Resp: 129305

Ion Ratio Lower Upper

113 100

111 102.8 81.7 122.5

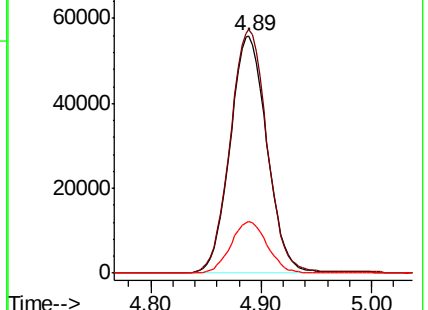
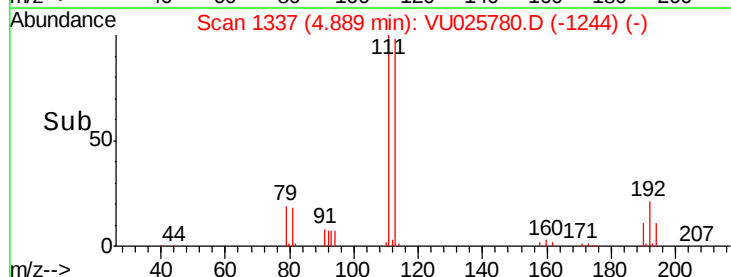
192 21.4 17.1 25.7

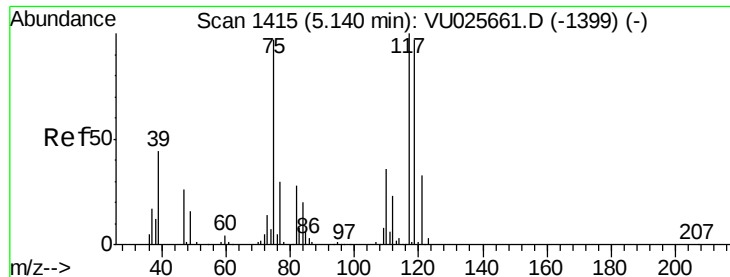


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.96 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025780.D

Acq: 01 Aug 2018 16:42

Instrument :

MSVOA_U

ClientSampled :

GW-02

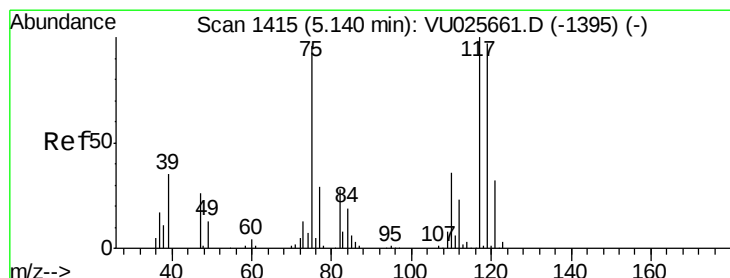
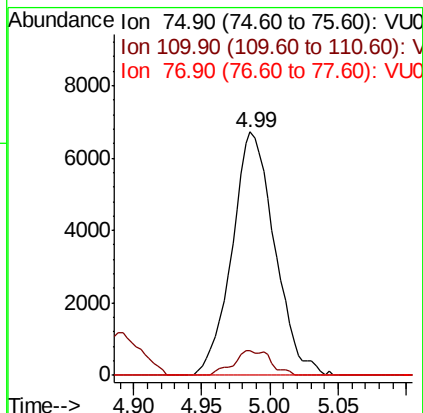
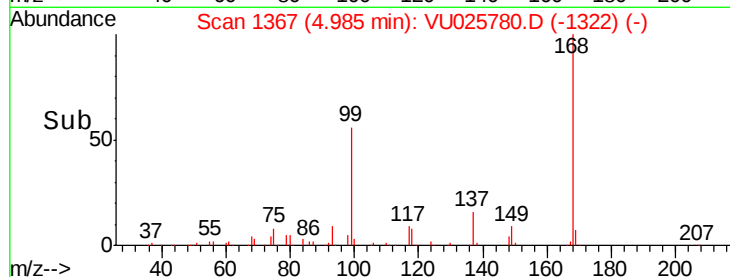
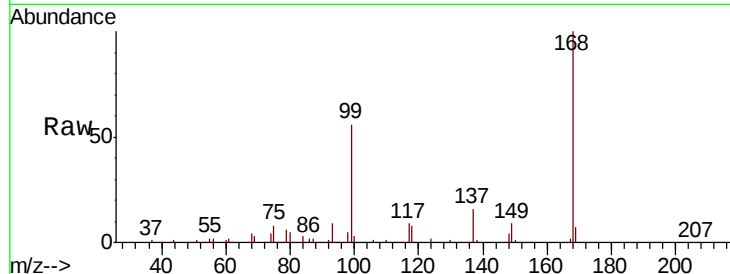
Tot Ion: 75 Resp: 14577

Ion Ratio Lower Upper

75 100

110 8.9 17.6 52.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.56 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025780.D

Acq: 01 Aug 2018 16:42

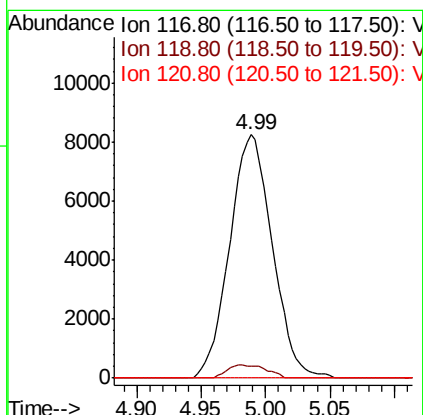
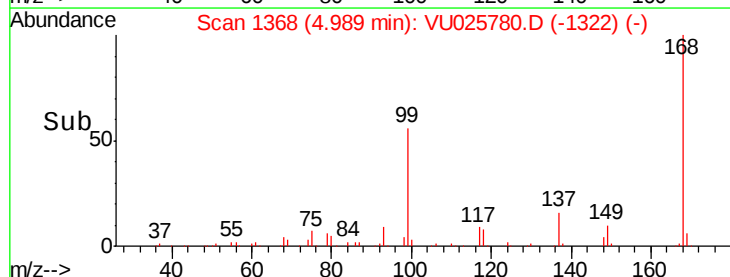
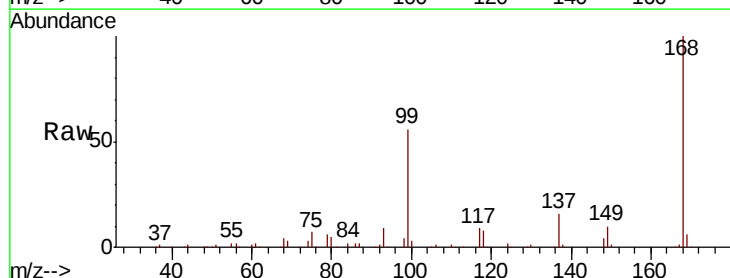
Tgt Ion: 117 Resp: 19024

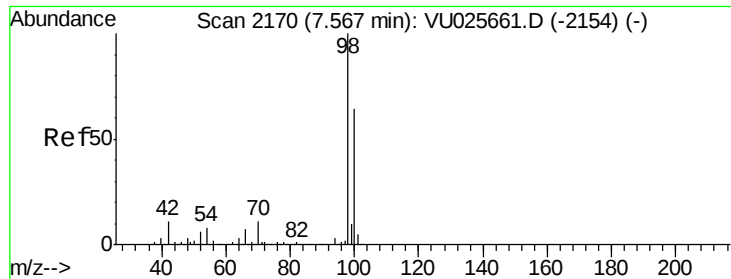
Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 47.80 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025780.D

Acq: 01 Aug 2018 16:42

Instrument :

MSVOA_U

ClientSampleId :

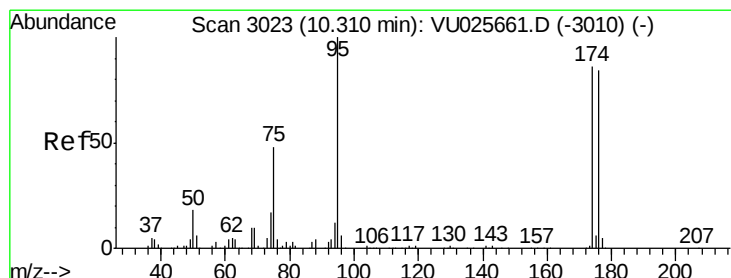
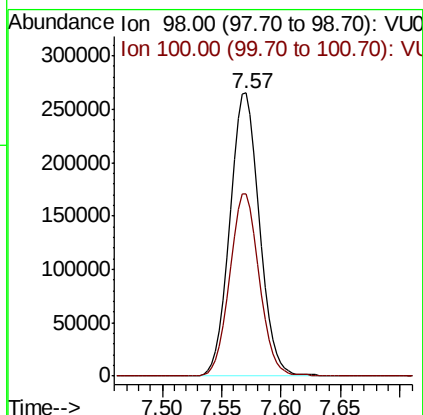
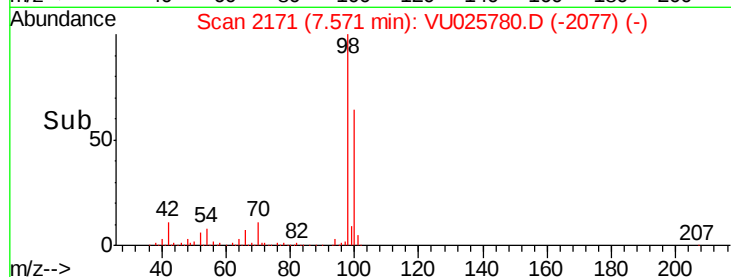
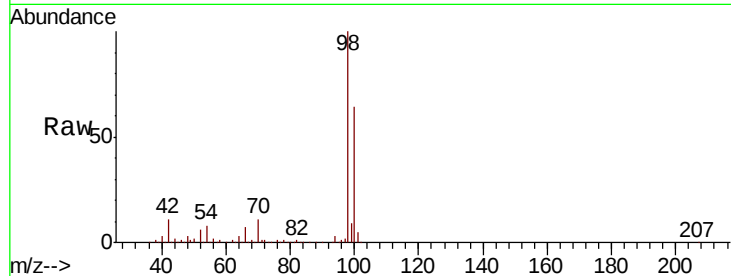
GW-02

Tot Ion: 98 Resp: 458237

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 49.27 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025780.D

Acq: 01 Aug 2018 16:42

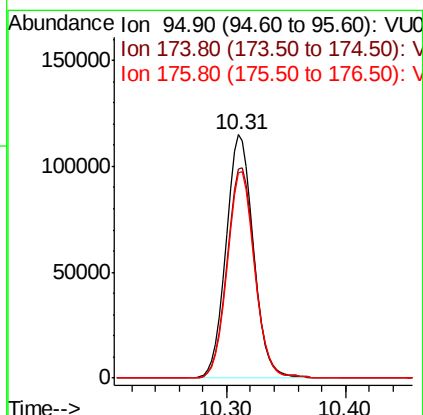
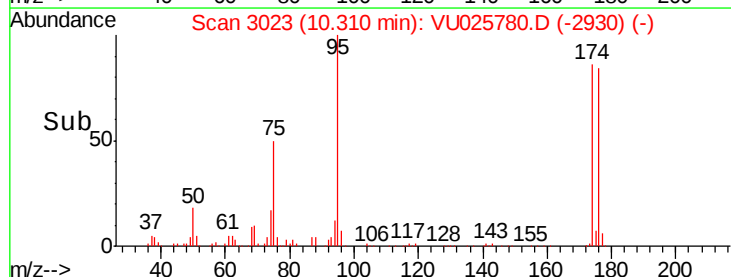
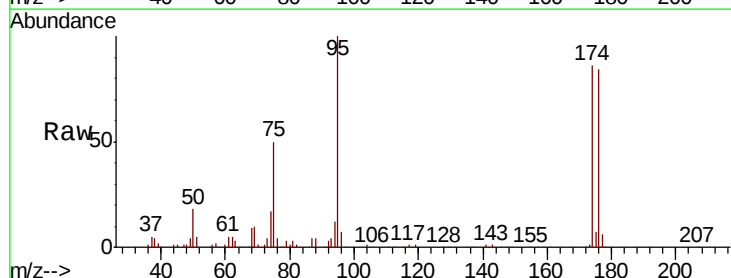
Tgt Ion: 95 Resp: 183316

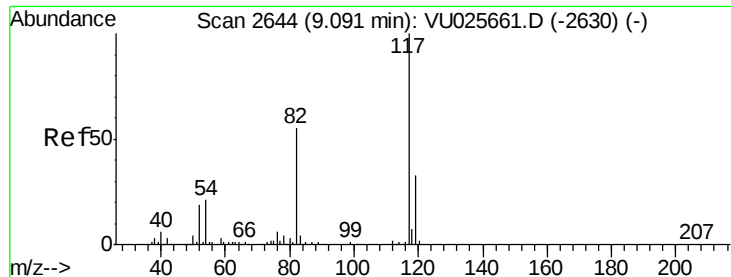
Ion Ratio Lower Upper

95 100

174 87.8 0.0 172.2

176 85.1 0.0 162.6

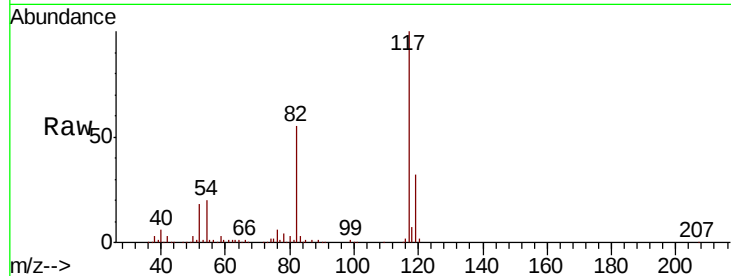




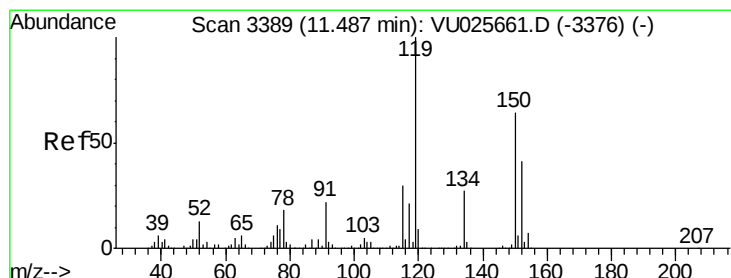
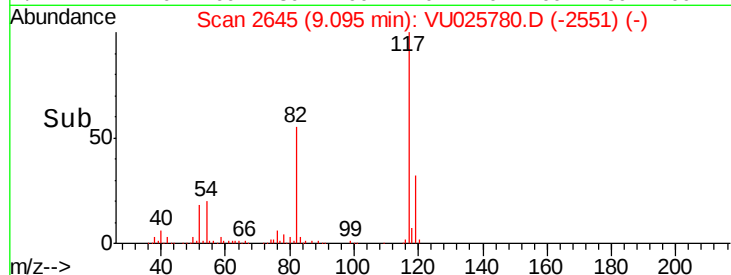
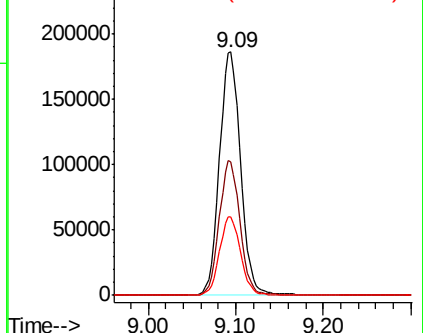
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025780.D
Acq: 01 Aug 2018 16:42

Instrument :
MSVOA_U
ClientSampleId :
GW-02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.0	69.0
119	32.2	26.0	39.0

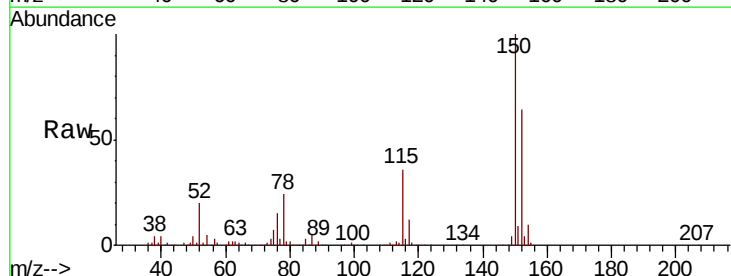


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

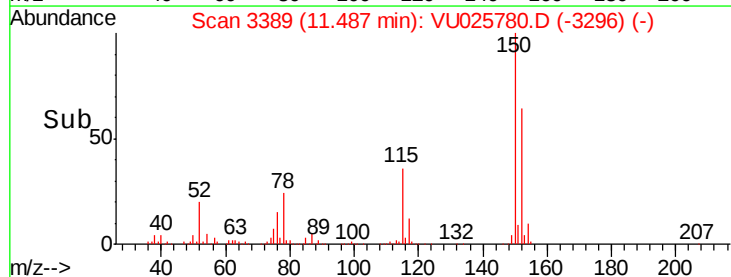
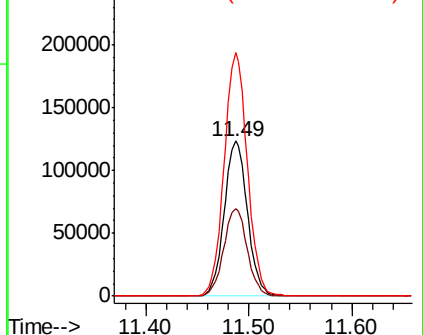


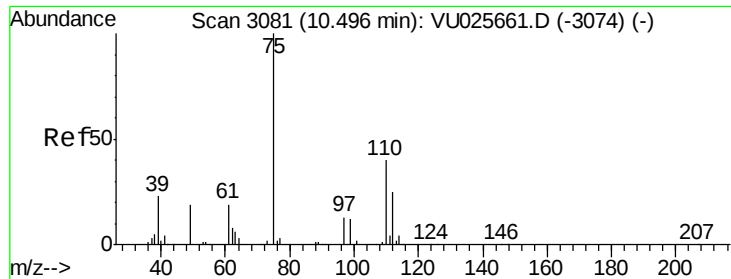
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025780.D
Acq: 01 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	40.1	120.3
150	157.0	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: 21.49 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025780.D

Acq: 01 Aug 2018 16:42

Instrument :

MSVOA_U

ClientSampleId :

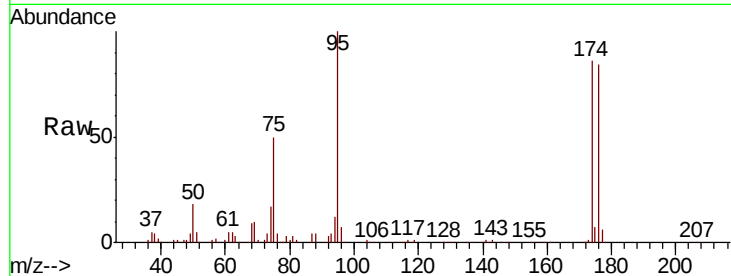
GW-02

Tot Ion: 75 Resp: 91745

Ion Ratio Lower Upper

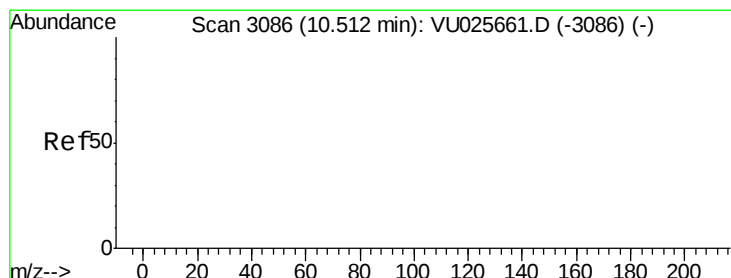
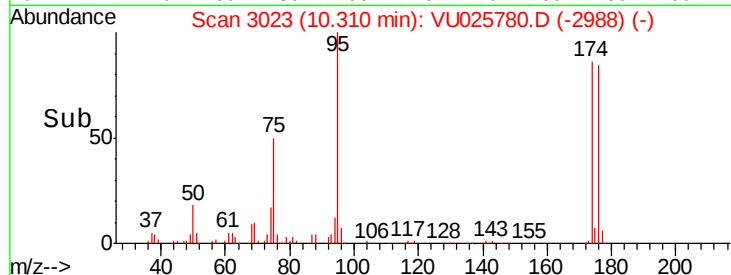
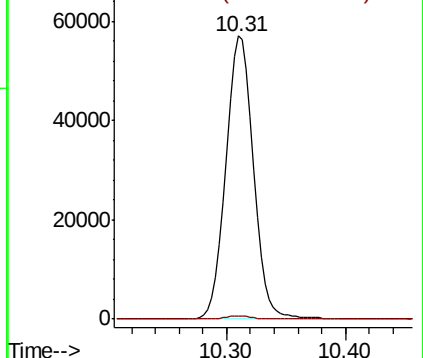
75 100

77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 53.88 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025780.D

Acq: 01 Aug 2018 16:42

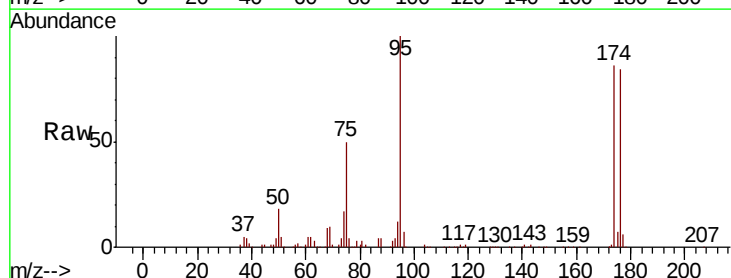
Tgt Ion: 75 Resp: 91745

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

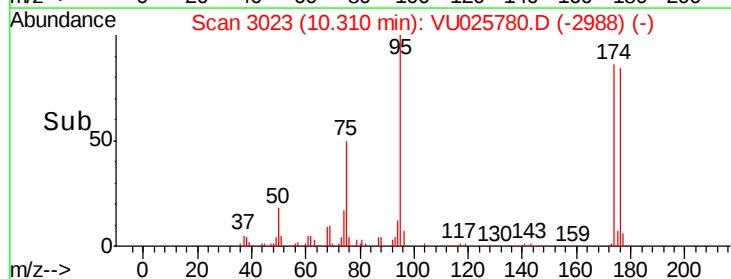
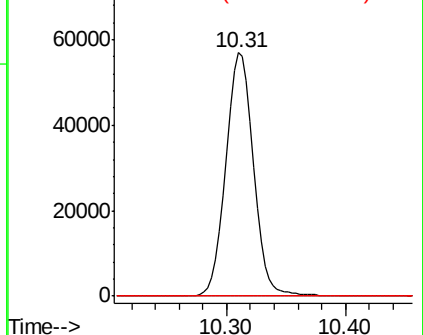
89 0.0 0.0 0.0

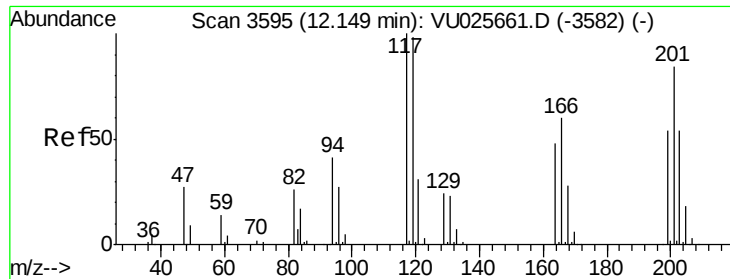


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

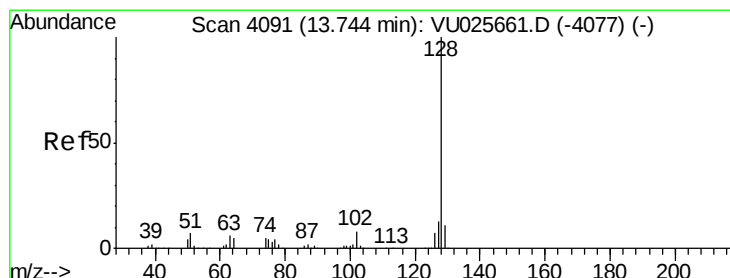
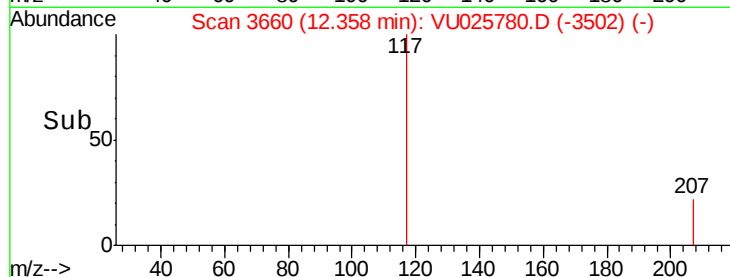
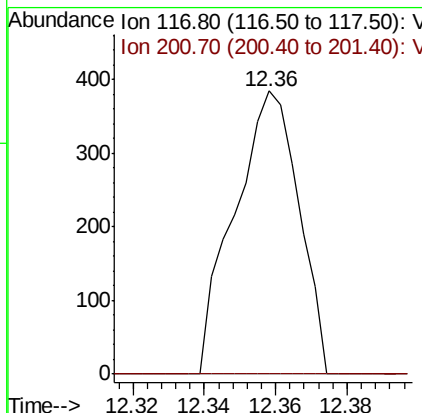
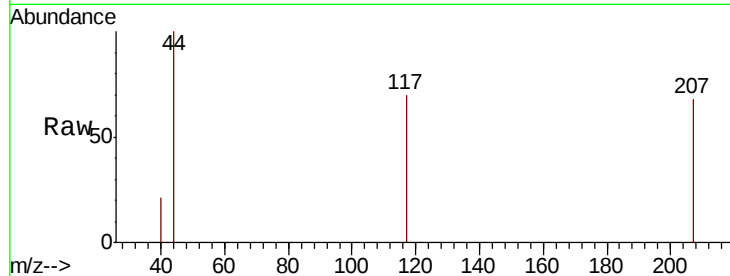




#90
 Hexachloroethane
 Concen: 0.22 ug/l
 RT: 12.36 min Scan# 3660
 Delta R.T. 0.21 min
 Lab File: VU025780.D
 Acq: 01 Aug 2018 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-02

Tot Ion:117 Resp: 477
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.5 127.6#



#95
 Naphthalene
 Concen: 4.12 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU025780.D
 Acq: 01 Aug 2018 16:42

Tgt Ion:128 Resp: 42327
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.5 15.7
 129 9.8 8.3 12.5

