

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025188.D
 Acq On : 03 Jul 2018 14:03
 Operator : MD/SY
 Sample : J3813-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 04 04:58:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	200306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297999	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	137674	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	151606	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
35) Dibromofluoromethane	4.89	113	117051	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	7.57	98	423390	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	10.31	95	154379	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	

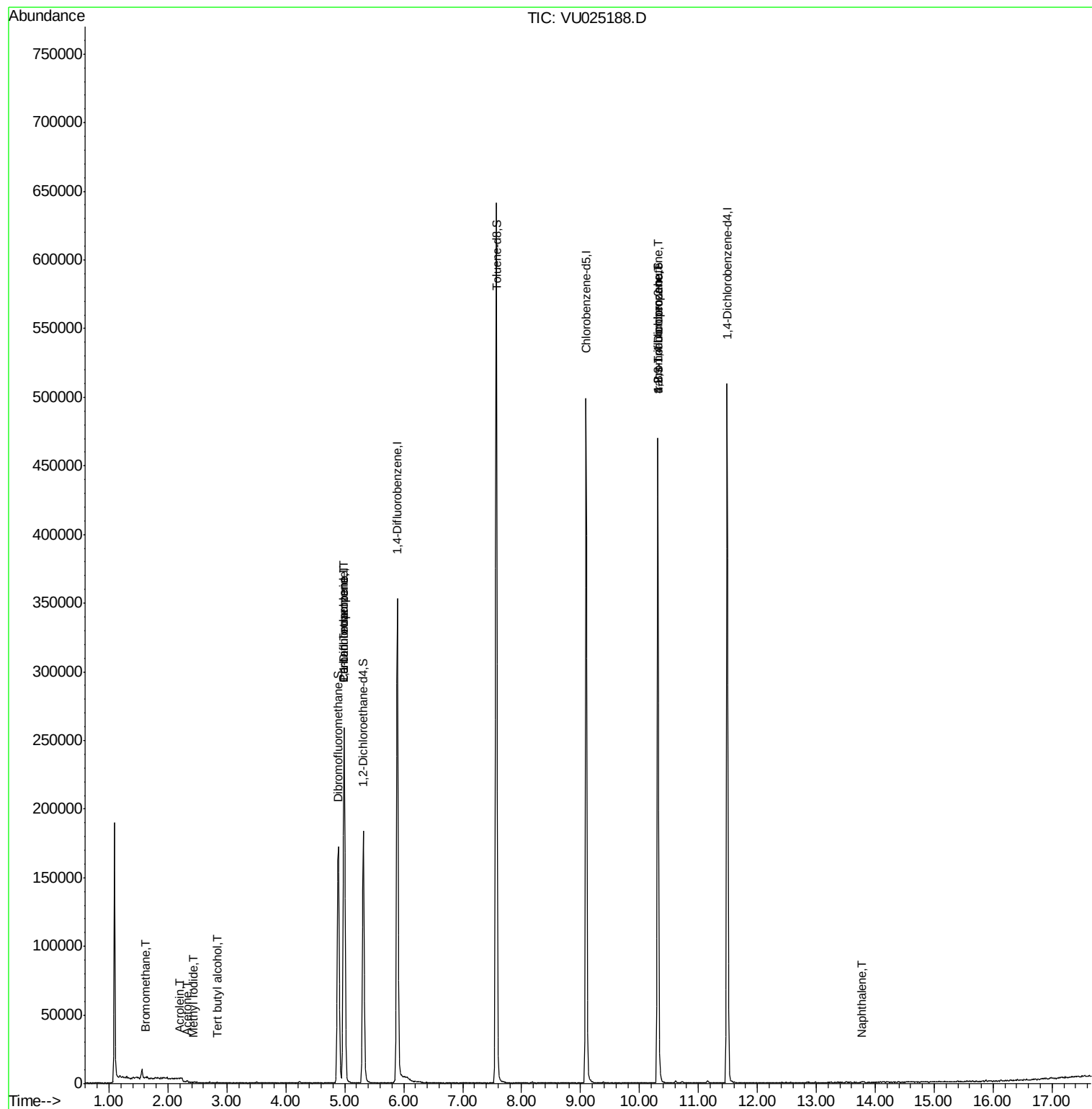
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	330	0.258	ug/l #	49
6) Chloroethane	1.72	64	74	Below Cal	#	43
10) Methyl Iodide	2.42	142	128	5.343	ug/l #	40
11) Tert butyl alcohol	2.83	59	173	0.218	ug/l #	72
13) Acrolein	2.20	56	99	0.237	ug/l #	67
16) Acetone	2.32	43	1730	0.985	ug/l	94
31) Cyclohexane	4.99	56	3900	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14712	4.201	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19567	5.081	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	81602	26.922	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	81602	62.308	ug/l #	100
95) Naphthalene	13.77	128	517	0.730	ug/l #	69

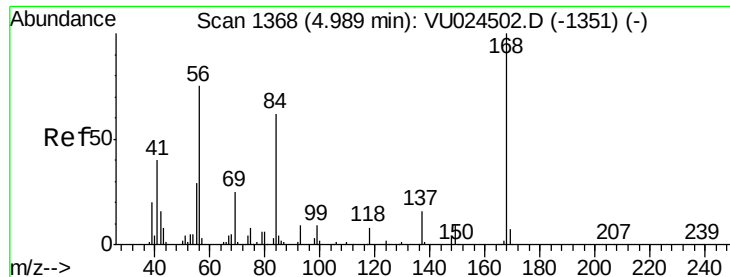
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025188.D

Acq: 03 Jul 2018 14:03

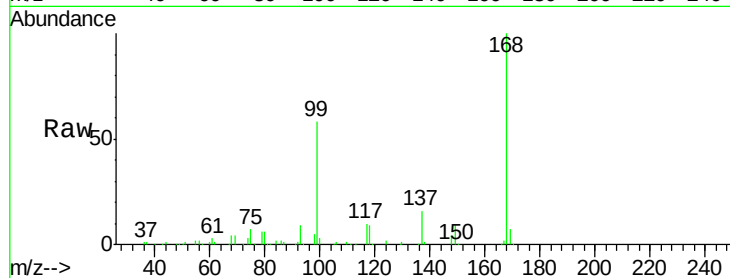
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 200306

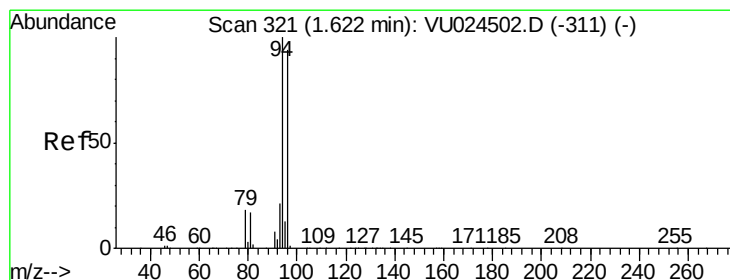
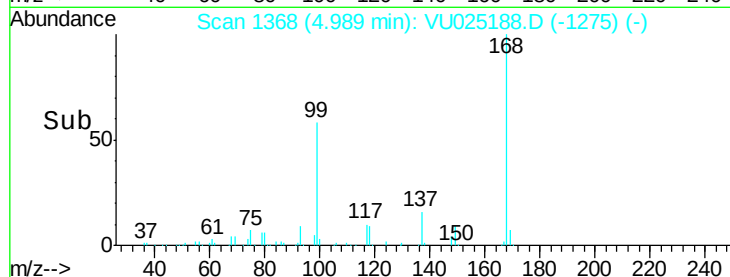
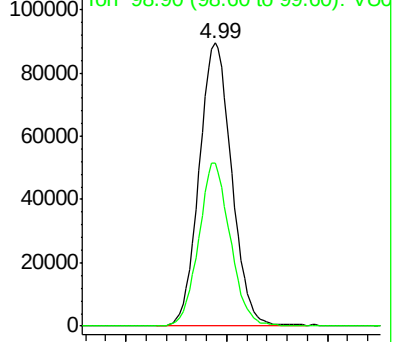
Ion Ratio Lower Upper

168 100

99 57.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025188.D (-1275) (-)



#5

Bromomethane

Concen: 0.258 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025188.D

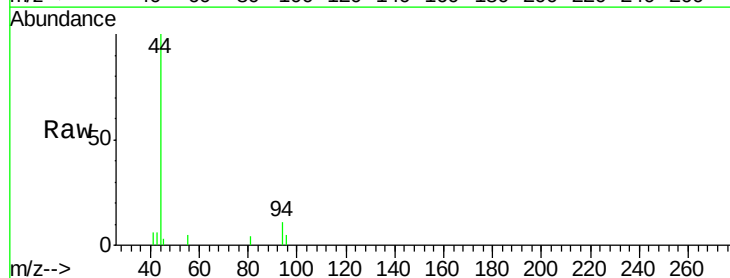
Acq: 03 Jul 2018 14:03

Tgt Ion: 94 Resp: 330

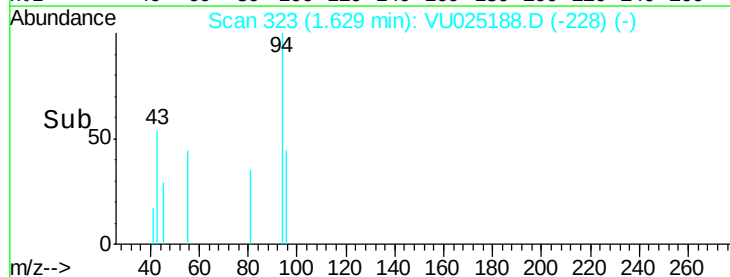
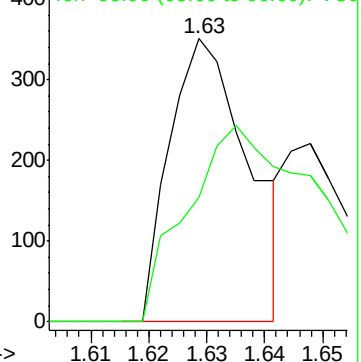
Ion Ratio Lower Upper

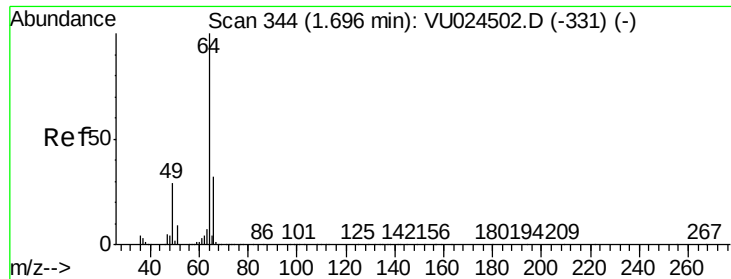
94 100

96 44.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU025188.D (-228) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 351

Delta R.T. 0.02 min

Lab File: VU025188.D

Acq: 03 Jul 2018 14:03

Instrument :

MSVOA_U

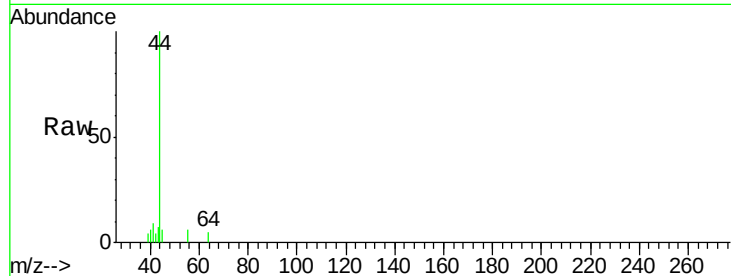
ClientSampleId :

Tot Ion: 64 Resp: 74

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.72

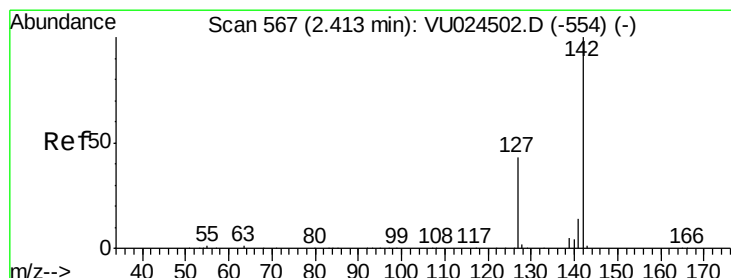
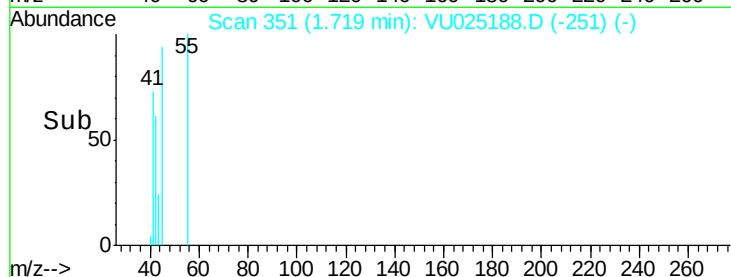
150

100

50

0

Time--> 1.70 1.71 1.72 1.73



#10

Methyl Iodide

Concen: 5.343 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025188.D

Acq: 03 Jul 2018 14:03

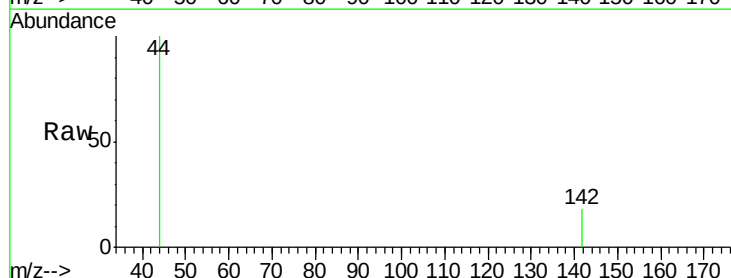
Tgt Ion: 142 Resp: 128

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.42

200

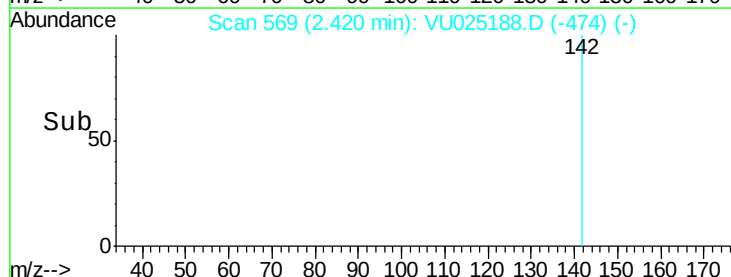
150

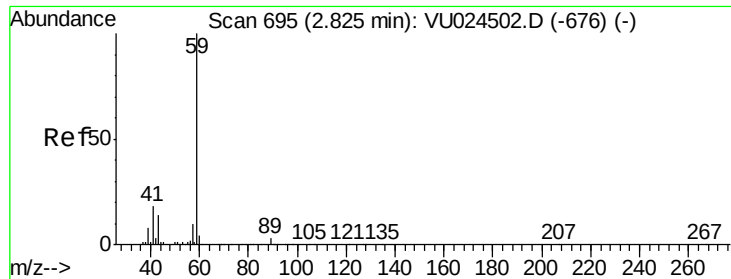
100

50

0

Time--> 2.40 2.41 2.42 2.43 2.44

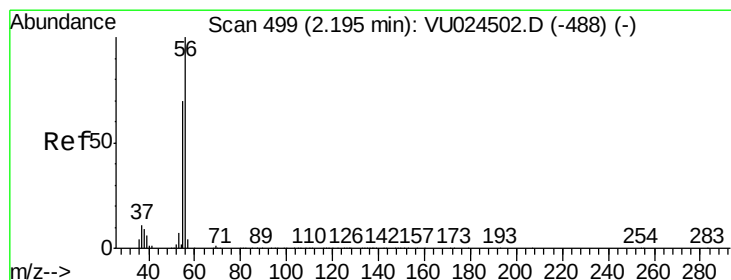
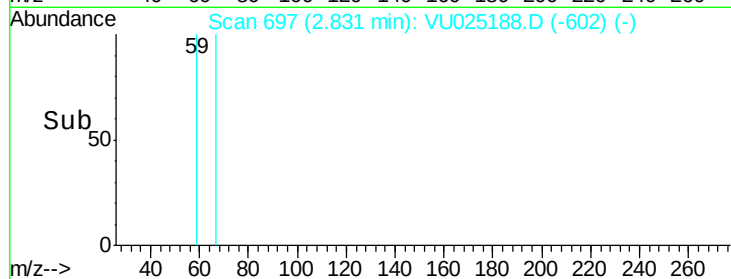
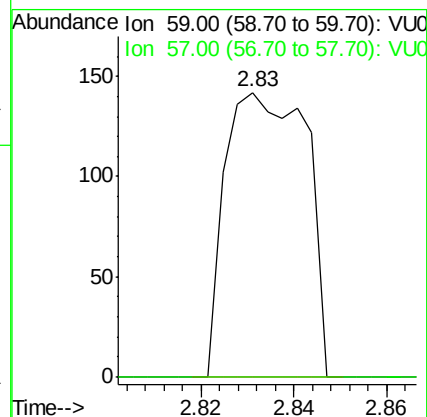
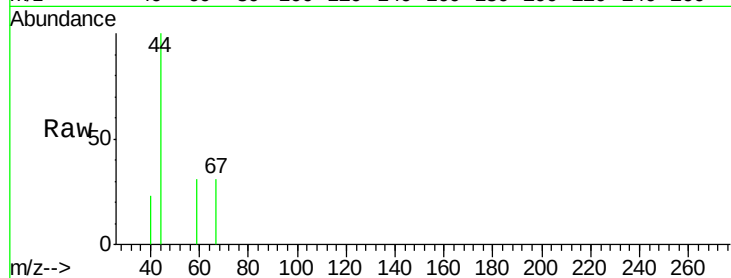




#11
Tert butyl alcohol
Concen: 0.218 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025188.D
Acq: 03 Jul 2018 14:03

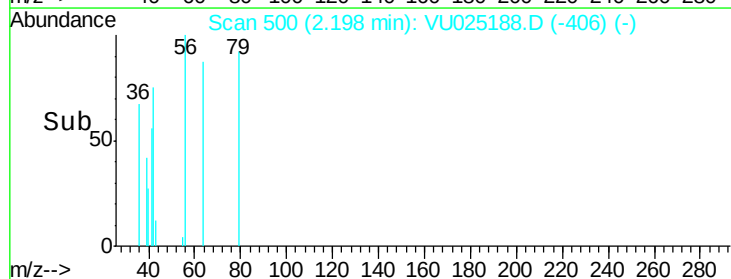
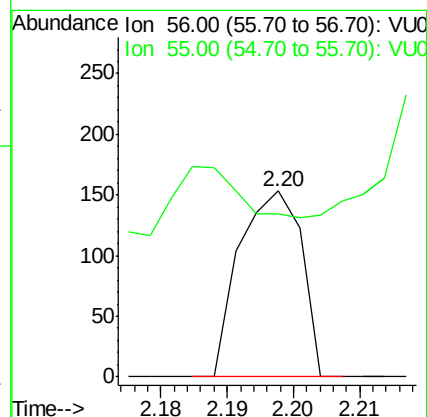
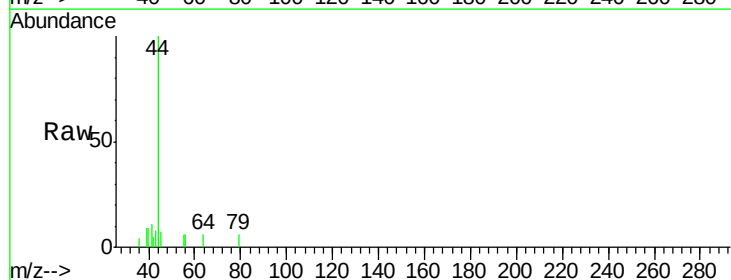
Instrument :
MSVOA_U
ClientSampleId :

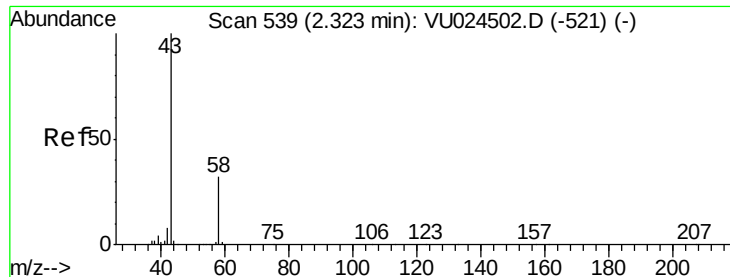
Tot Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.237 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU025188.D
Acq: 03 Jul 2018 14:03

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 45.5 58.4 87.6#





#16

Acetone

Concen: 0.985 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025188.D

Acq: 03 Jul 2018 14:03

Instrument :

MSVOA_U

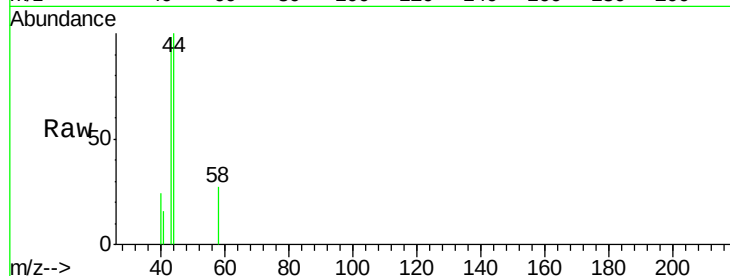
ClientSampleId :

Tot Ion: 43 Resp: 1730

Ion Ratio Lower Upper

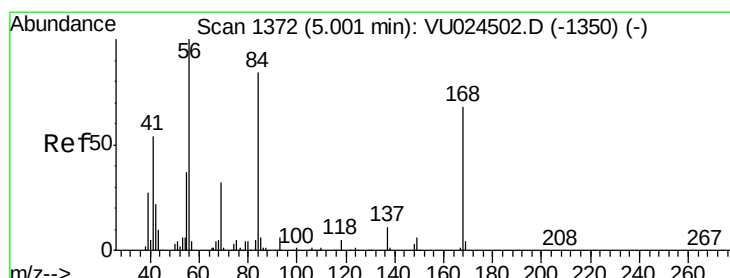
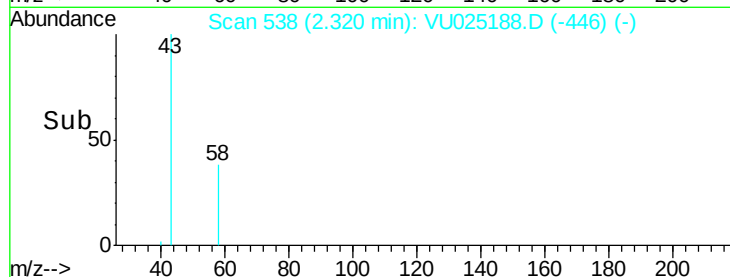
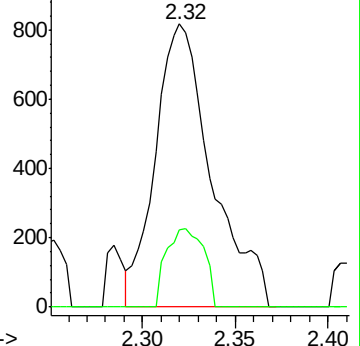
43 100

58 27.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025188.D

Acq: 03 Jul 2018 14:03

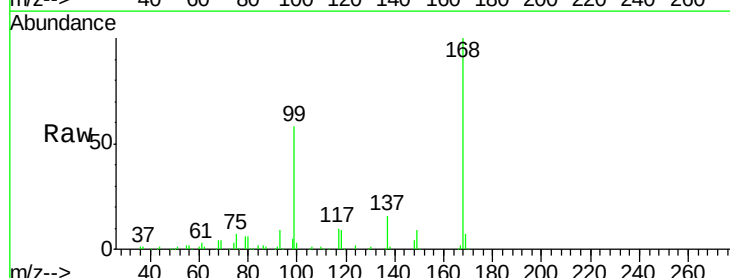
Tgt Ion: 56 Resp: 3900

Ion Ratio Lower Upper

56 100

69 199.9 24.8 37.2#

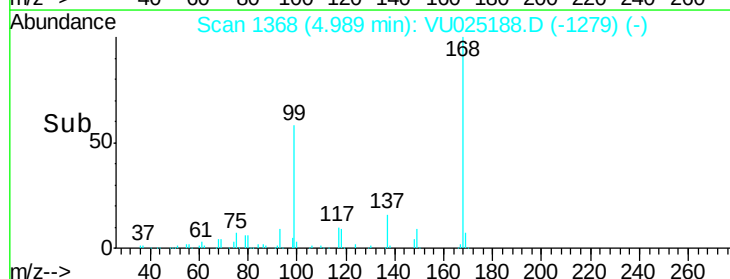
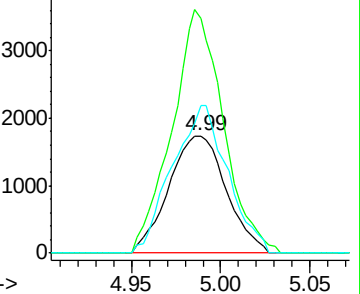
84 125.4 65.2 97.8#

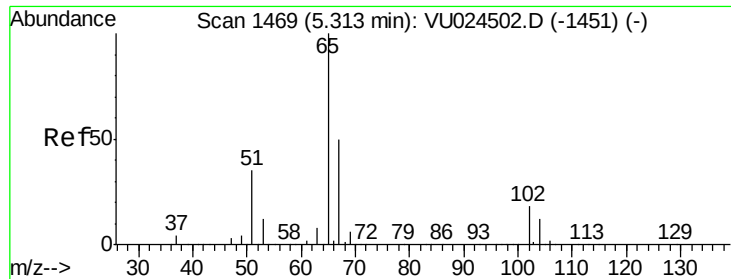


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

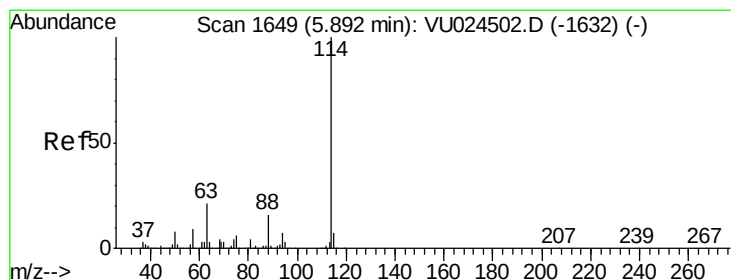
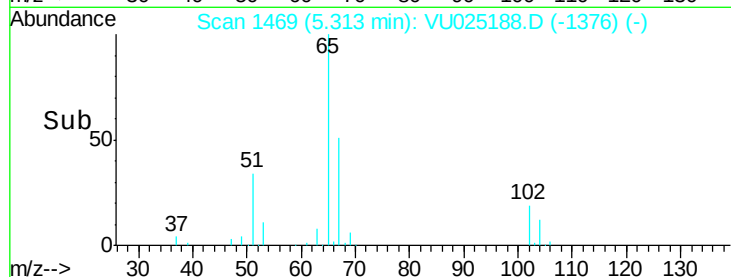
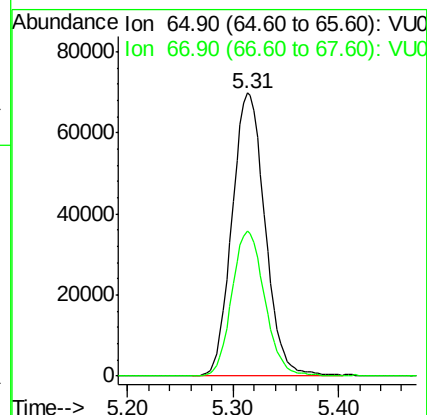
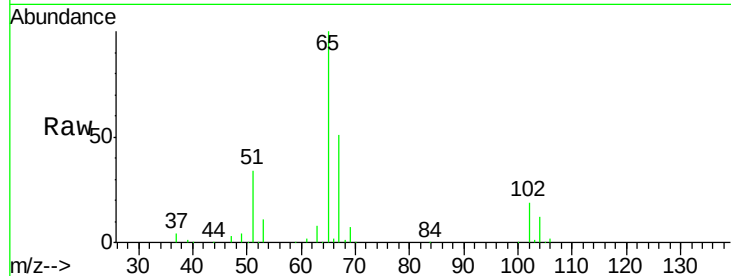




#33
 1,2-Dichloroethane-d4
 Concen: 46.362 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025188.D
 Acq: 03 Jul 2018 14:03

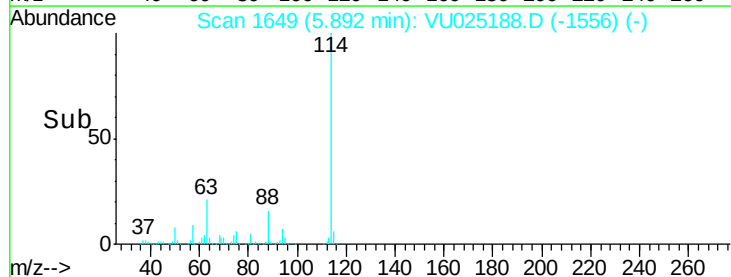
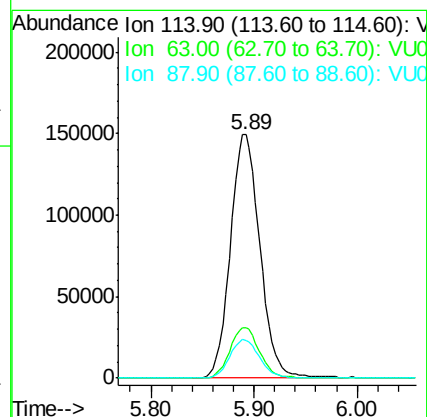
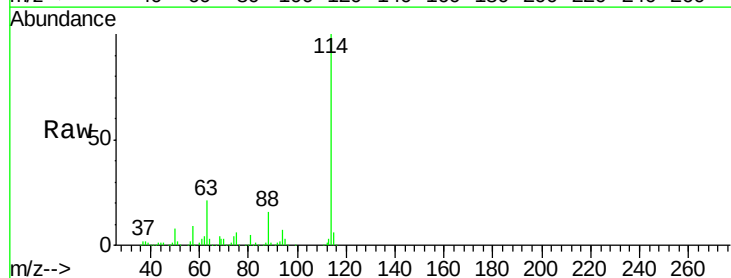
Instrument :
 MSVOA_U
 ClientSampleId :

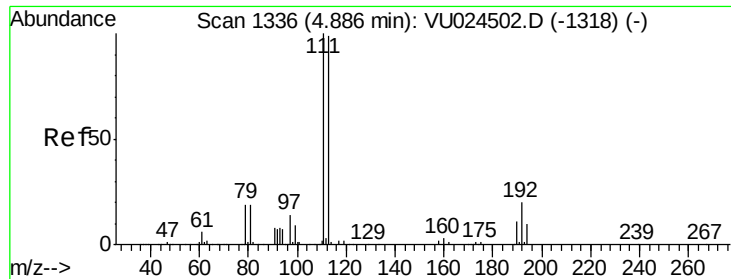
Tot Ion: 65 Resp: 151606
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025188.D
 Acq: 03 Jul 2018 14:03

Tgt Ion: 114 Resp: 297999
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.4
 88 15.7 0.0 31.0

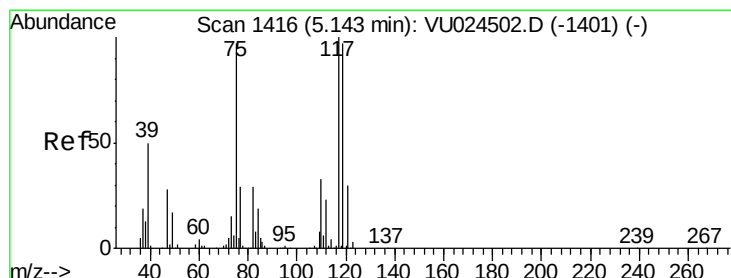
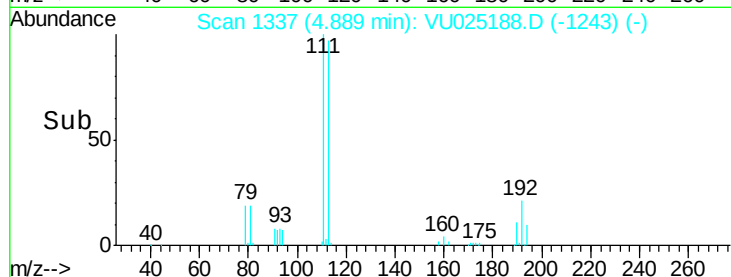
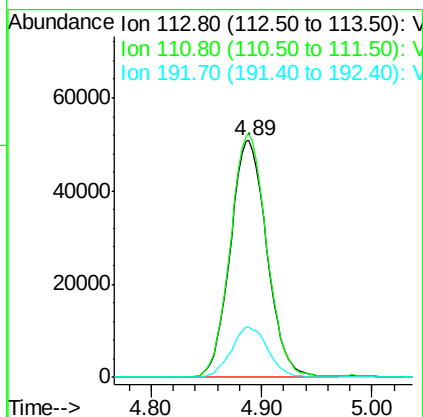
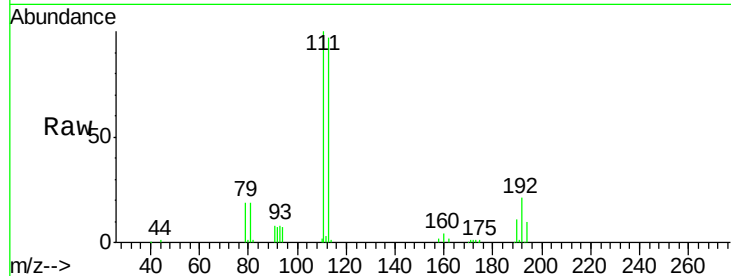




#35
 Dibromofluoromethane
 Concen: 47.328 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025188.D
 Acq: 03 Jul 2018 14:03

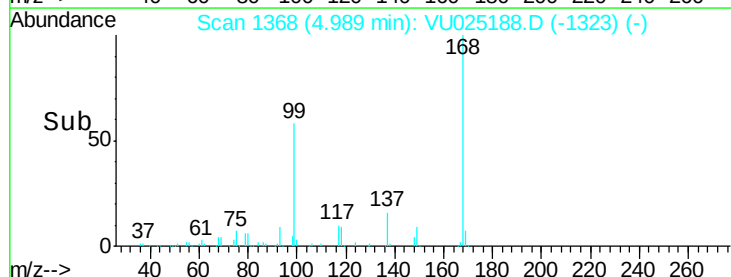
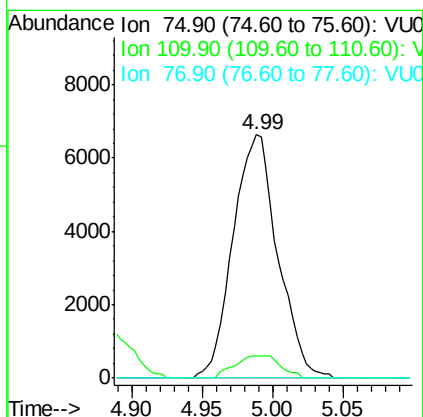
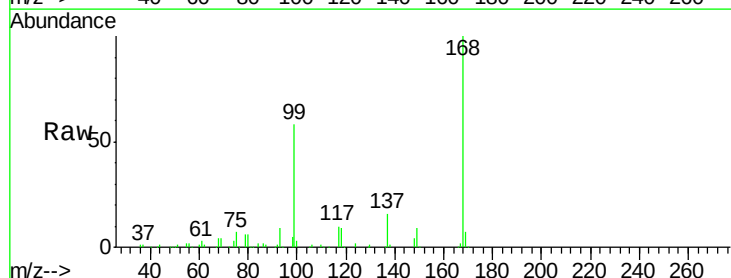
Instrument :
 MSVOA_U
 ClientSampleId :

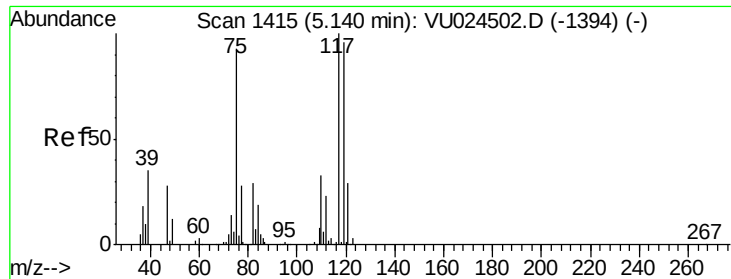
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	21.3	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.201 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025188.D
 Acq: 03 Jul 2018 14:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.081 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025188.D

Acq: 03 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

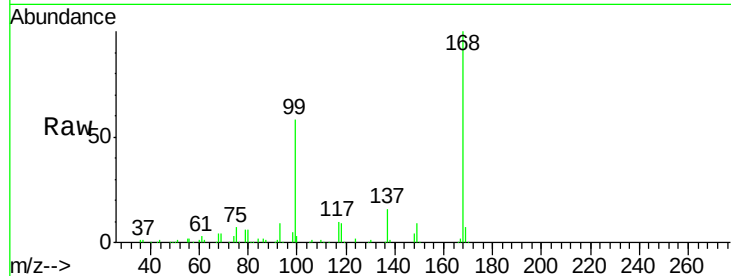
Tot Ion:117 Resp: 19567

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

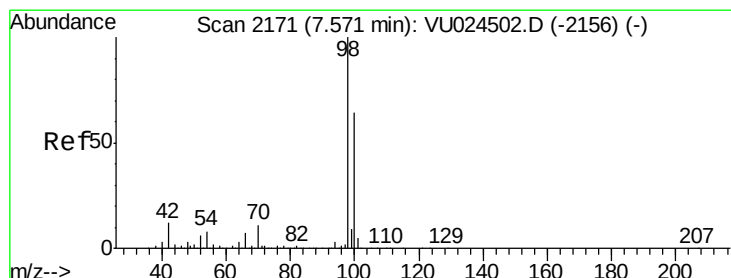
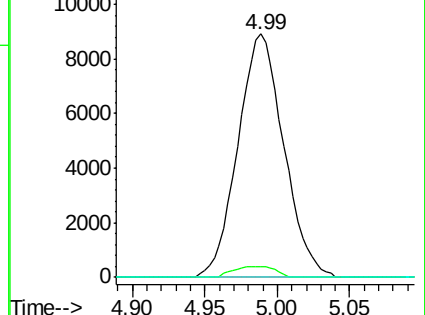
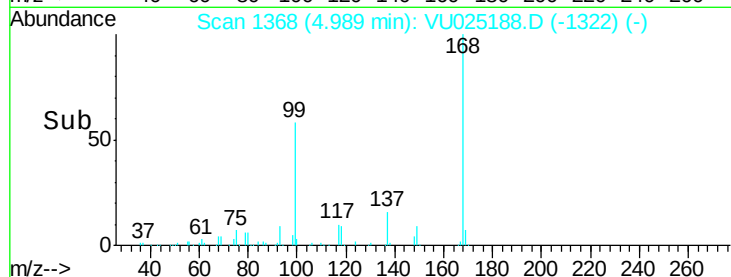
121 0.0 23.7 35.5#



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: 46.933 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025188.D

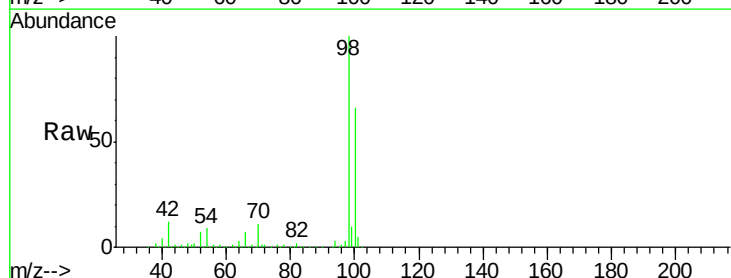
Acq: 03 Jul 2018 14:03

Tgt Ion: 98 Resp: 423390

Ion Ratio Lower Upper

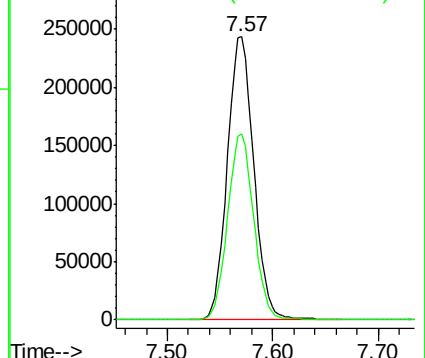
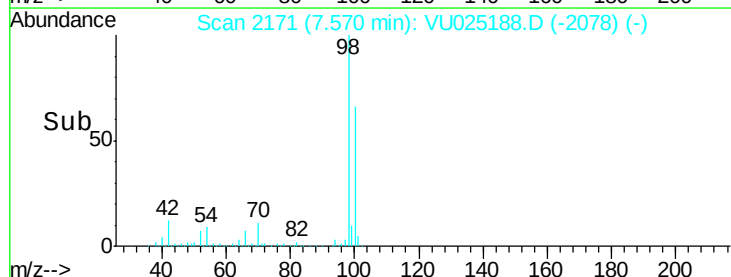
98 100

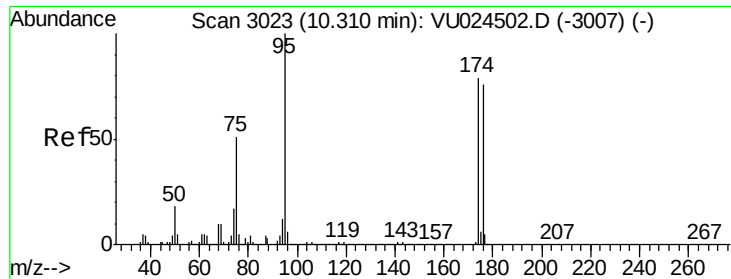
100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

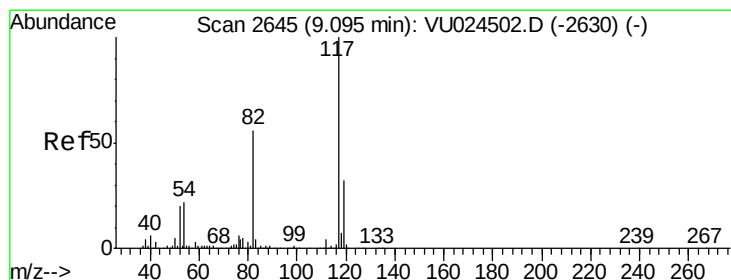
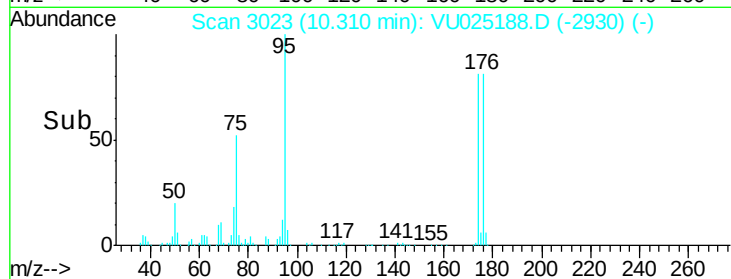
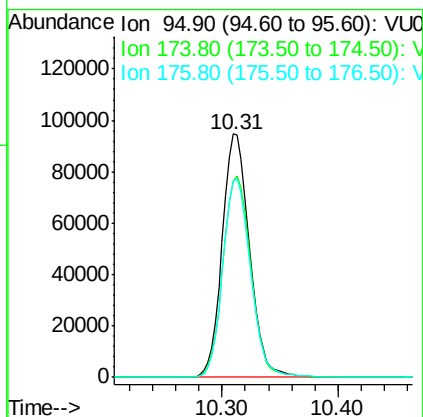
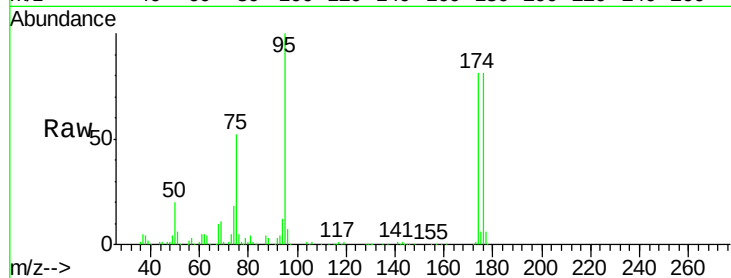




#62
4-Bromofluorobenzene
Concen: 43.102 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025188.D
Acq: 03 Jul 2018 14:03

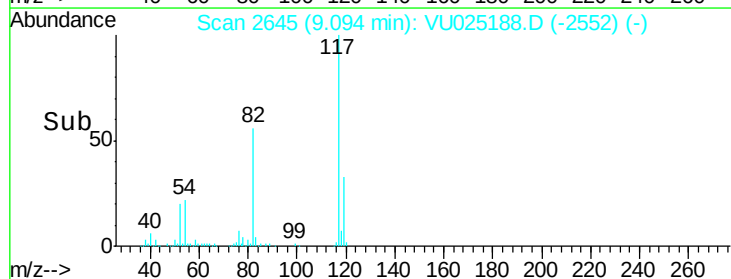
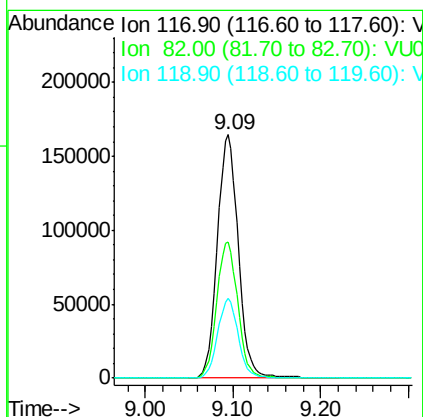
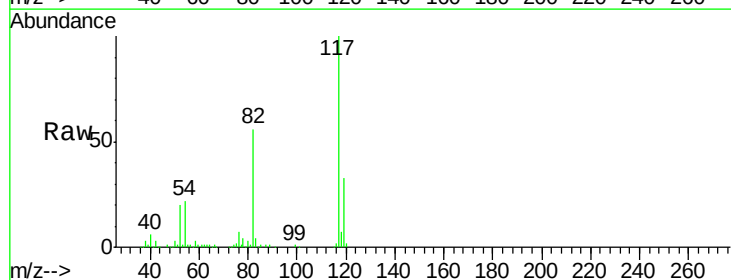
Instrument :
MSVOA_U
ClientSampleId :

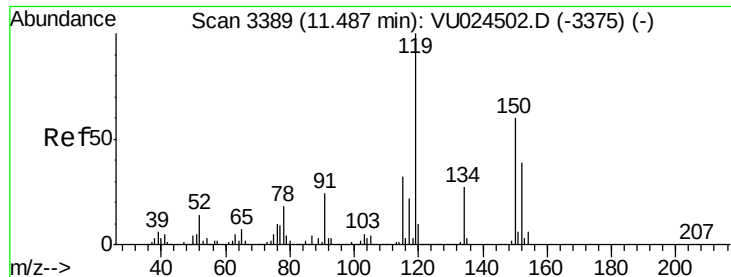
Tot Ion: 95 Resp: 154379
Ion Ratio Lower Upper
95 100
174 84.6 0.0 165.8
176 83.0 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025188.D
Acq: 03 Jul 2018 14:03

Tgt Ion: 117 Resp: 274080
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 32.8 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU025188.D

Acq: 03 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

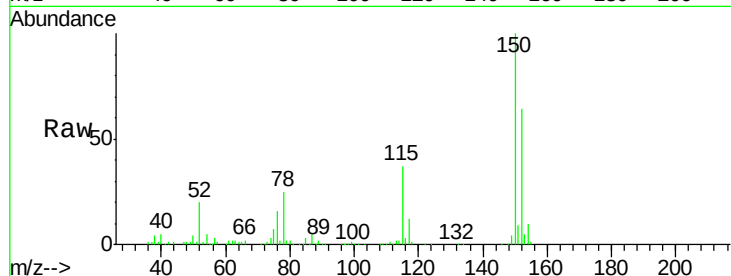
Tot Ion:152 Resp: 137674

Ion Ratio Lower Upper

152 100

115 57.8 43.0 129.0

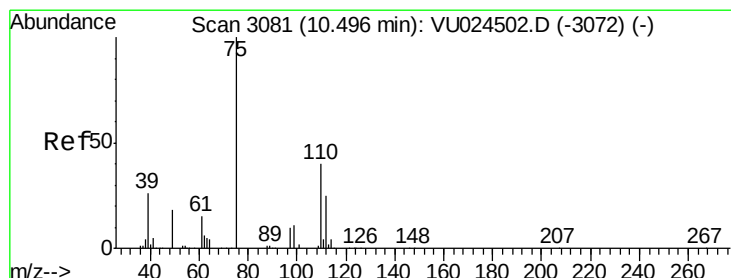
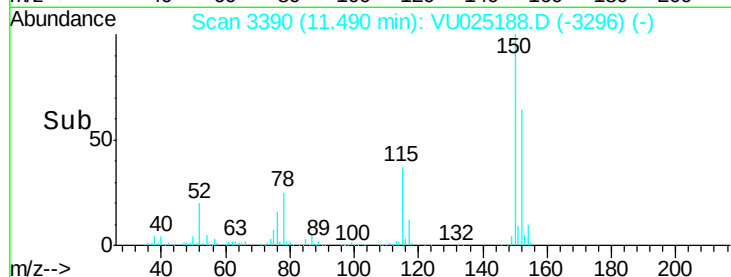
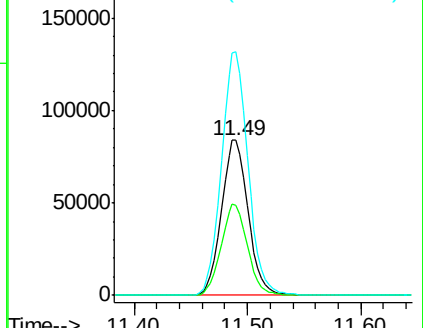
150 155.9 0.0 354.0



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: 26.922 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025188.D

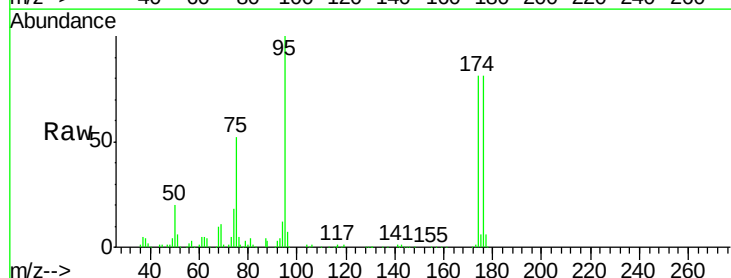
Acq: 03 Jul 2018 14:03

Tgt Ion: 75 Resp: 81602

Ion Ratio Lower Upper

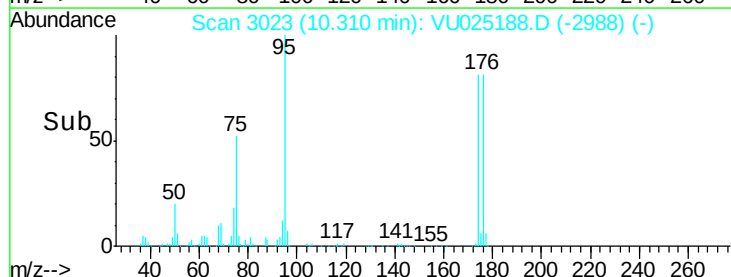
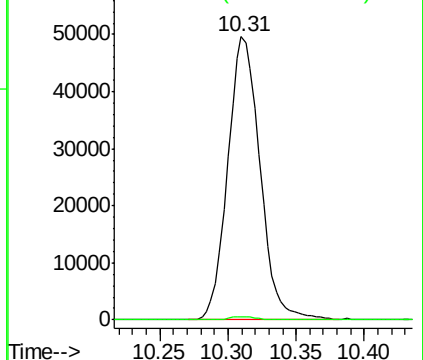
75 100

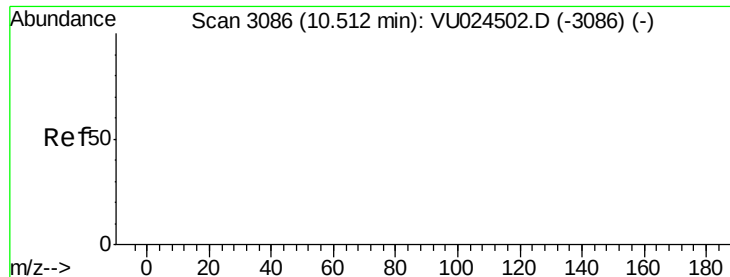
77 1.0 20.9 62.7#



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: 62.308 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025188.D

Acq: 03 Jul 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

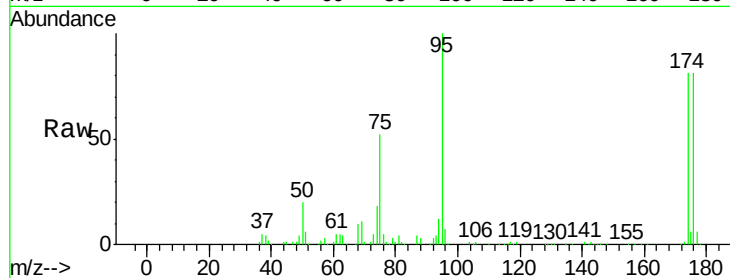
Tot Ion: 75 Resp: 81602

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

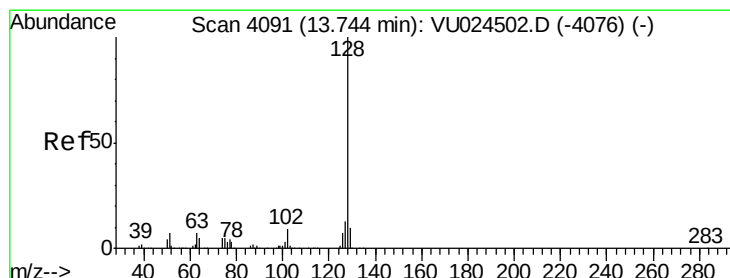
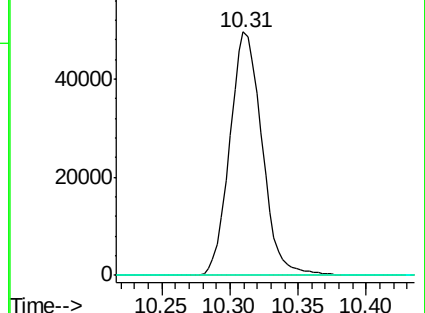
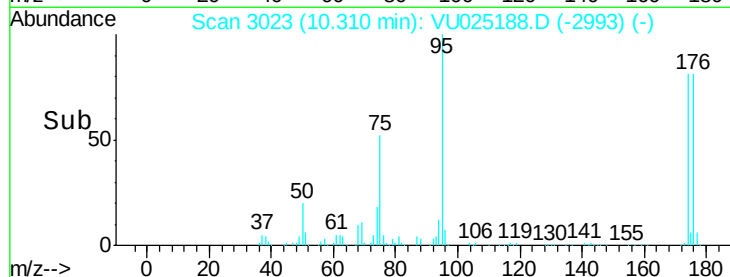
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.730 ug/l

RT: 13.77 min Scan# 4099

Delta R.T. 0.03 min

Lab File: VU025188.D

Acq: 03 Jul 2018 14:03

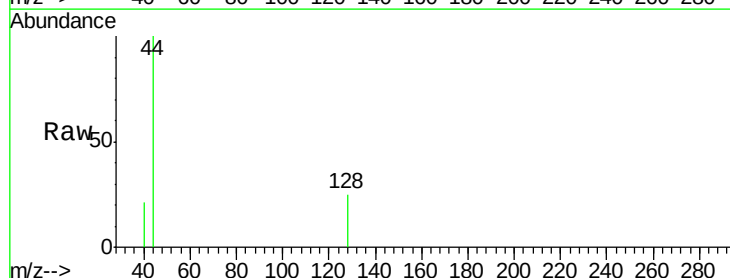
Tgt Ion: 128 Resp: 517

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

