

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025685.D
 Acq On : 27 Jul 2018 22:21
 Operator : MD/SY
 Sample : VN0727WBL02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBL02

Quant Time: Jul 28 05:28:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	173454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	268254	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157877	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	133869	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	4.89	113	113098	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	7.57	98	392094	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	10.31	95	152624	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

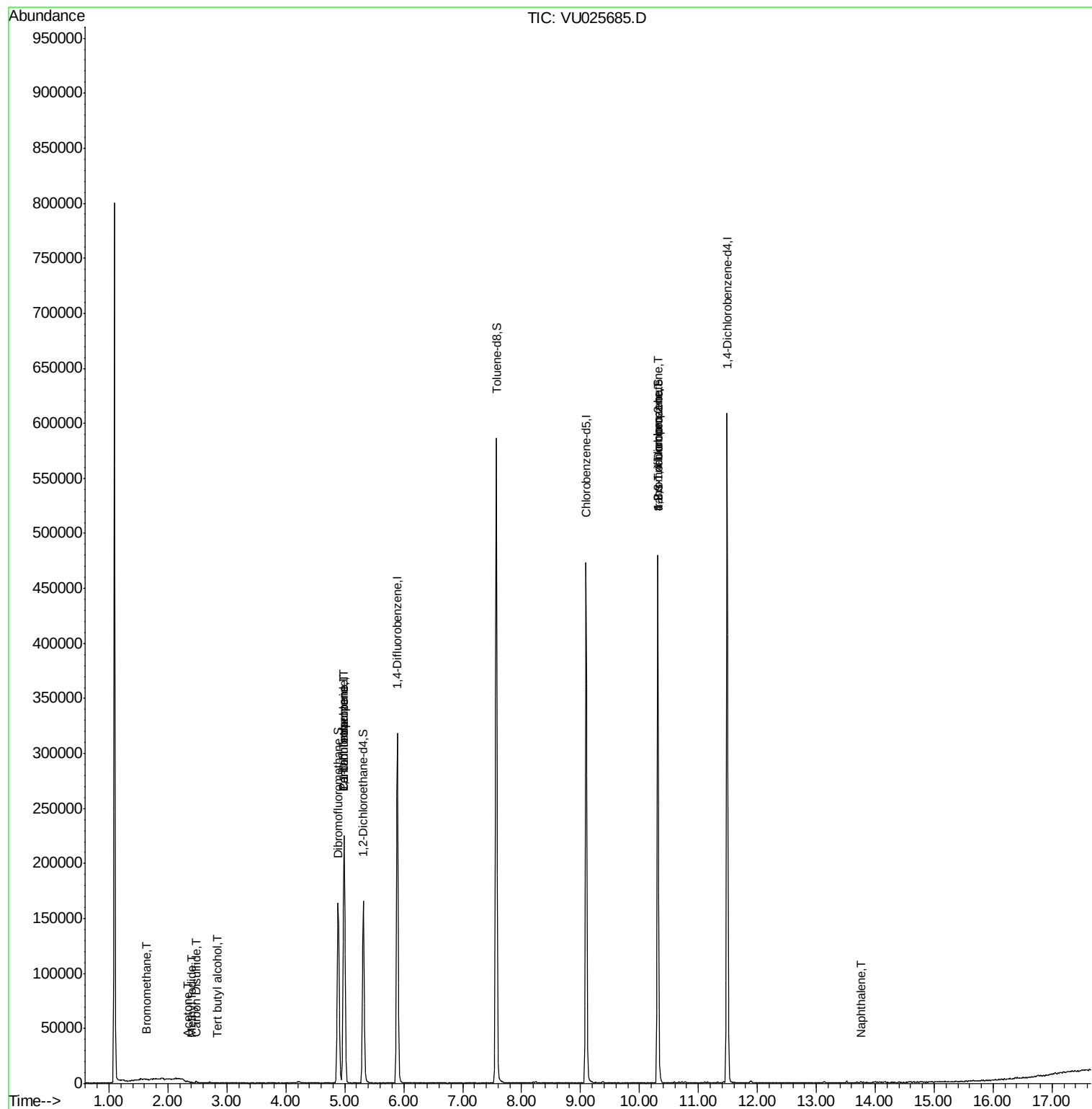
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	244	0.21	ug/l #	75
10) Methyl Iodide	2.41	142	21	8.60	ug/l #	39
11) Tert butyl alcohol	2.84	59	239	0.40	ug/l #	73
13) Acrolein	2.19	56	67	Below Cal	#	1
16) Acetone	2.33	43	858	0.65	ug/l #	46
17) Carbon Disulfide	2.48	76	2039	0.34	ug/l	100
31) Cyclohexane	4.99	56	3433	Below Cal	#	11
36) 1,1-Dichloropropene	4.99	75	12688	4.05	ug/l #	50
38) Carbon Tetrachloride	4.98	117	16789	4.73	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	77980	22.42	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	77980	56.21	ug/l #	100
95) Naphthalene	13.77	128	1296	1.36	ug/l #	79

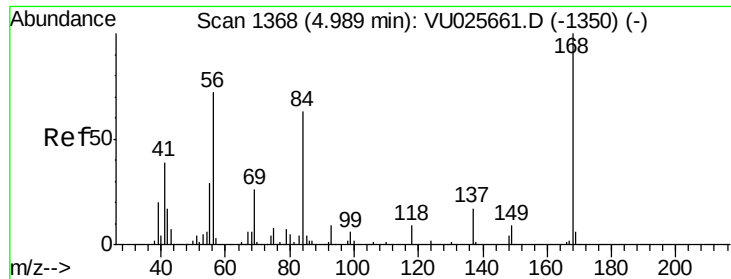
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

Instrument :

MSVOA_U

ClientSampleId :

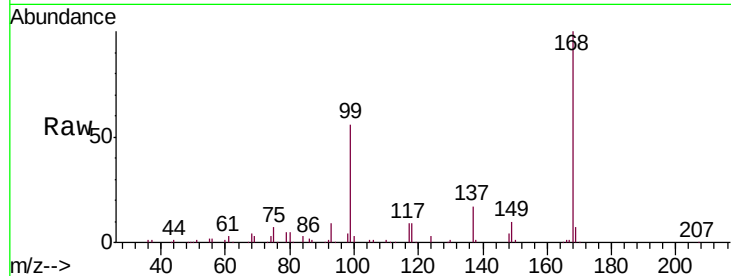
VU0727WBL02

Tot Ion:168 Resp: 173454

Ion Ratio Lower Upper

168 100

99 56.3 42.8 64.2



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

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

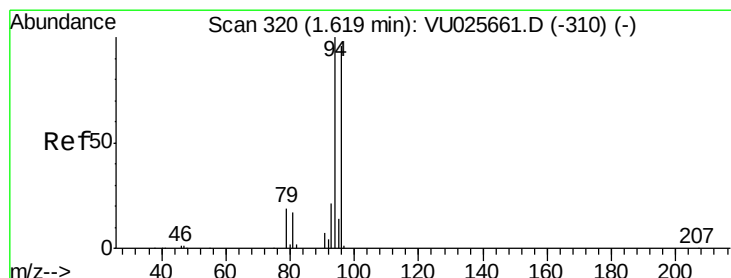
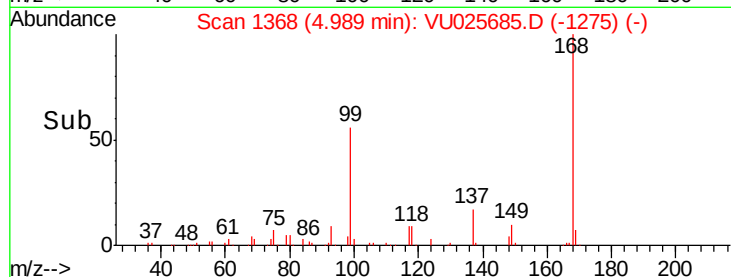
40000

20000

0

Time-->

4.90 5.00 5.10



#5

Bromomethane

Concen: 0.21 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025685.D

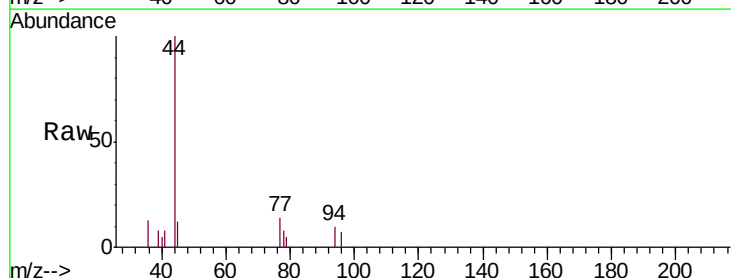
Acq: 27 Jul 2018 22:21

Tgt Ion: 94 Resp: 244

Ion Ratio Lower Upper

94 100

96 69.8 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.63

250

200

150

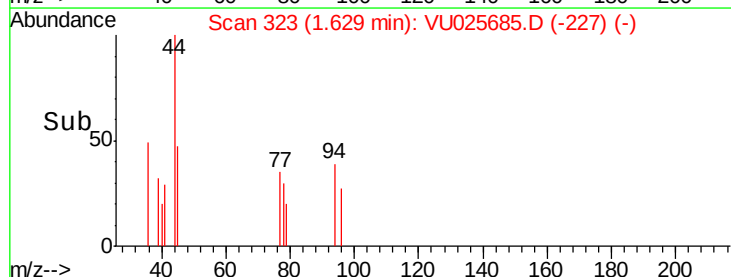
100

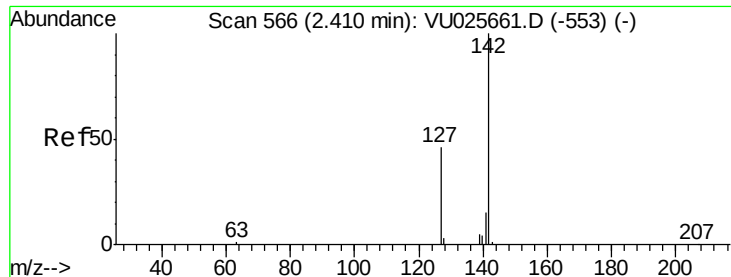
50

0

Time-->

1.62 1.64

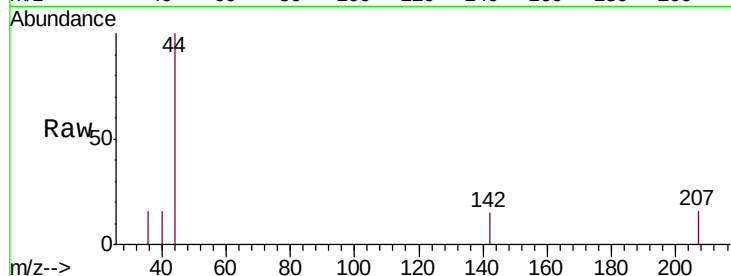




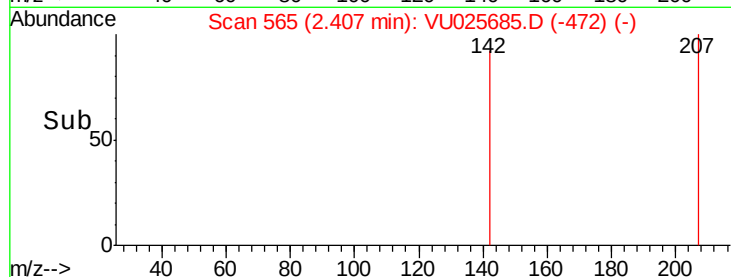
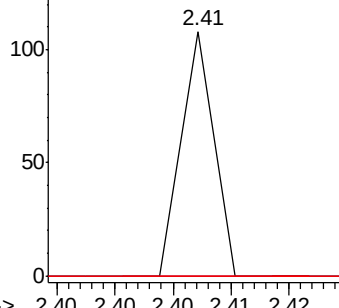
#10
Methvl Iodide
Concen: 8.60 ug/l
RT: 2.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VU025685.D
Acq: 27 Jul 2018 22:21

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBL02

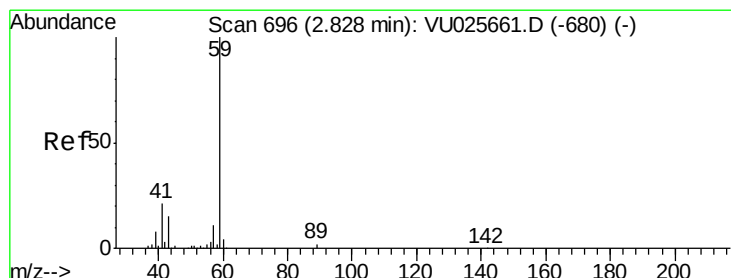
Tot Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 11.4 17.2#



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

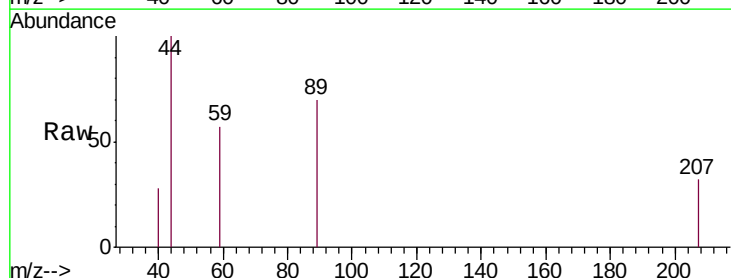


Time-->

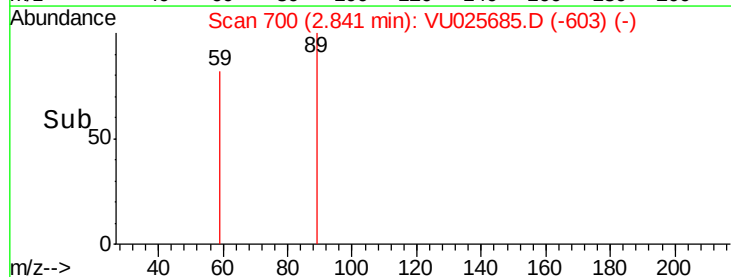
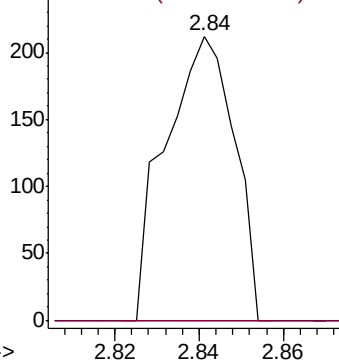


#11
Tert butyl alcohol
Concen: 0.40 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.01 min
Lab File: VU025685.D
Acq: 27 Jul 2018 22:21

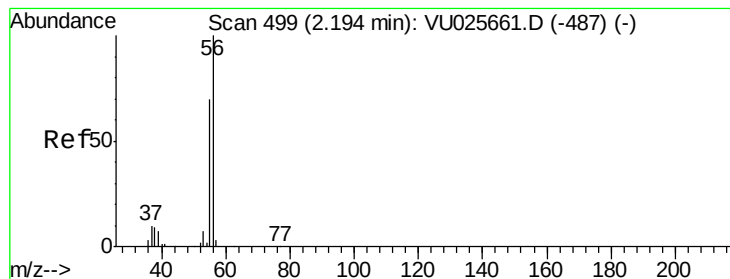
Tgt Ion: 59 Resp: 239
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



Time-->



#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

Instrument :

MSVOA_U

ClientSampleId :

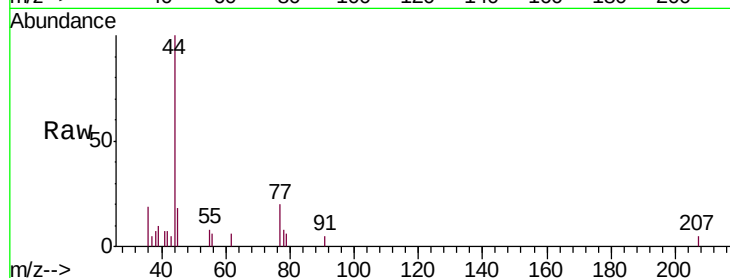
VU0727WBL02

Tot Ion: 56 Resp: 67

Ion Ratio Lower Upper

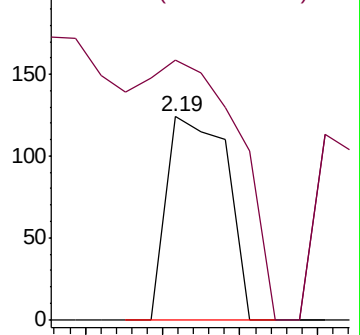
56 100

55 280.6 57.2 85.8#

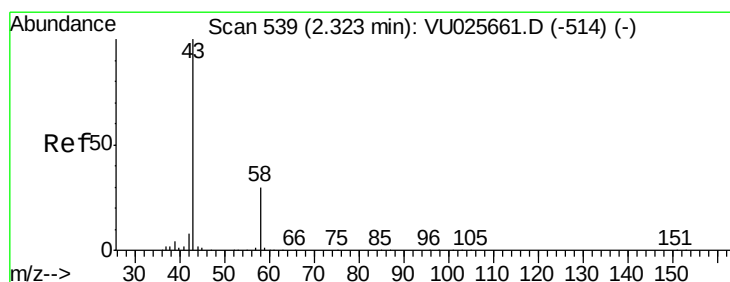
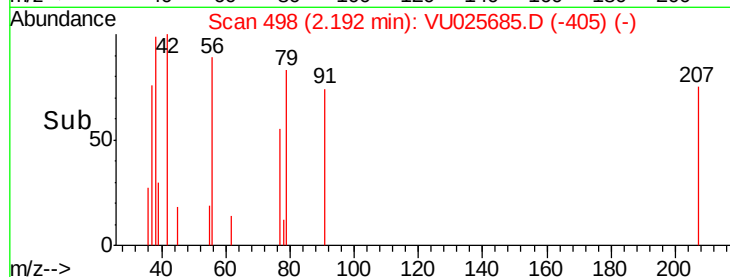


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#16

Acetone

Concen: 0.65 ug/l

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU025685.D

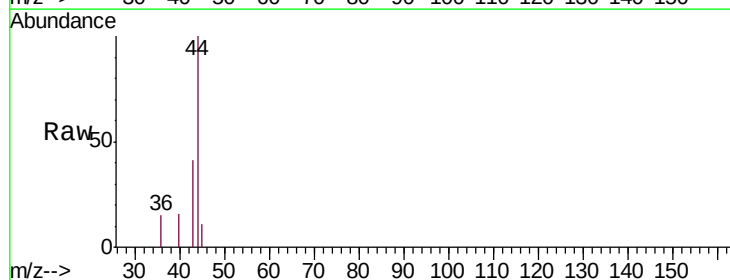
Acq: 27 Jul 2018 22:21

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

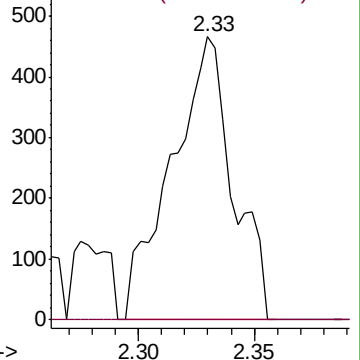
43 100

58 0.0 23.1 34.7#

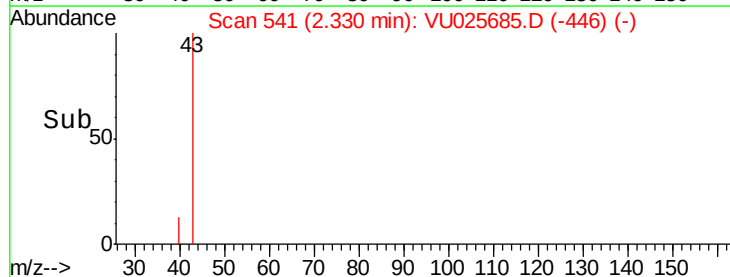


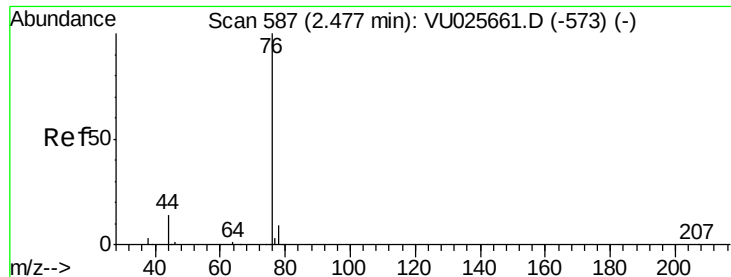
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->





#17

Carbon Disulfide

Concen: 0.34 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

Instrument :

MSVOA_U

ClientSampleId :

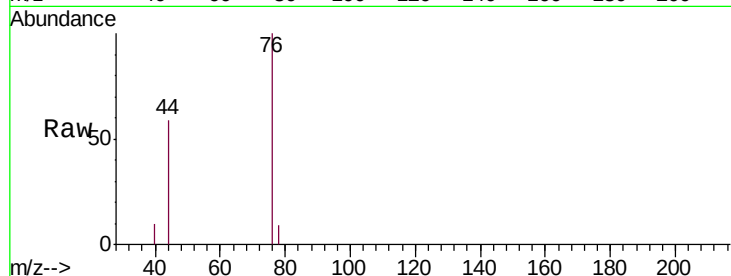
VU0727WBL02

Tot Ion: 76 Resp: 2039

Ion Ratio Lower Upper

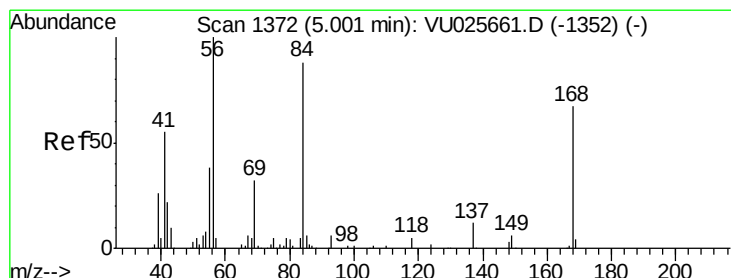
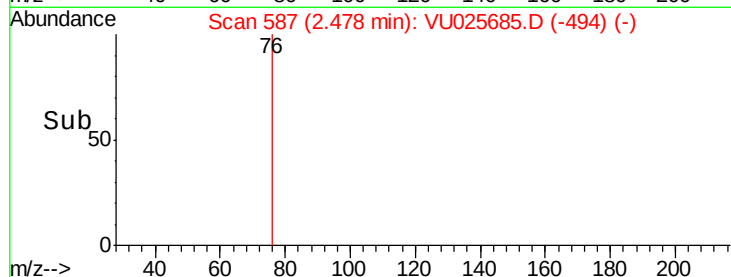
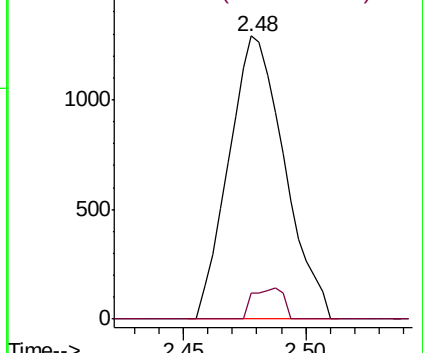
76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

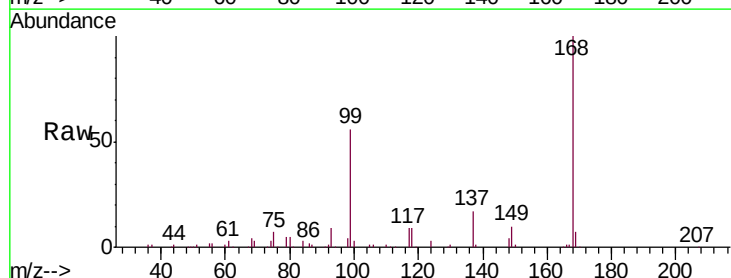
Tgt Ion: 56 Resp: 3433

Ion Ratio Lower Upper

56 100

69 152.0 26.8 40.2#

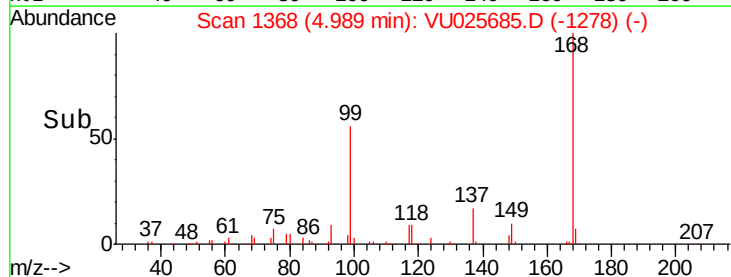
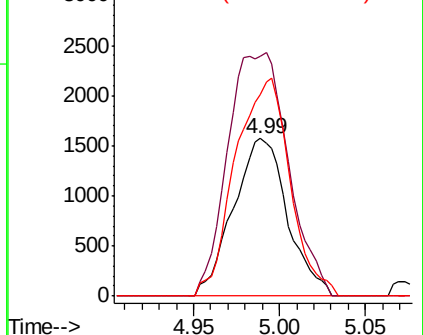
84 127.3 69.7 104.5#

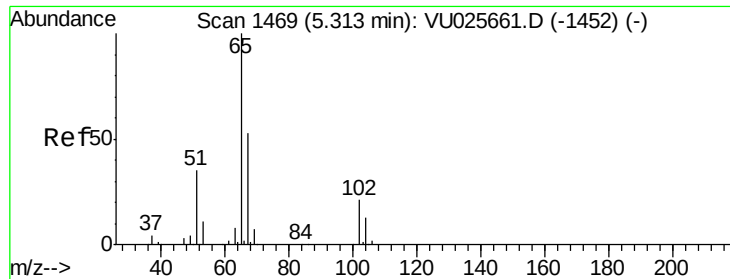


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#33

1,2-Dichloroethane-d4

Concen: 49.53 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

Instrument :

MSVOA_U

ClientSampleId :

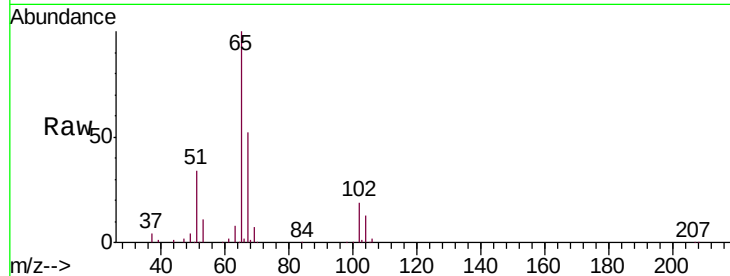
VU0727WBL02

Tot Ion: 65 Resp: 133869

Ion Ratio Lower Upper

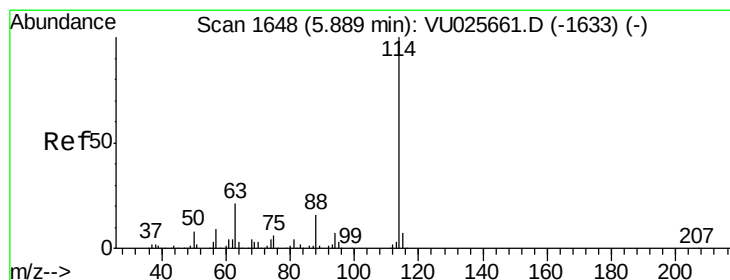
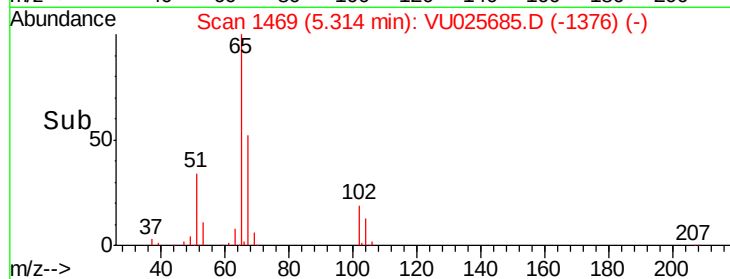
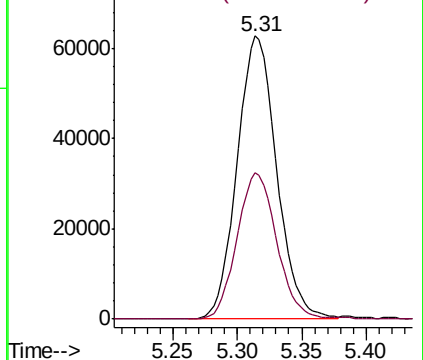
65 100

67 51.7 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

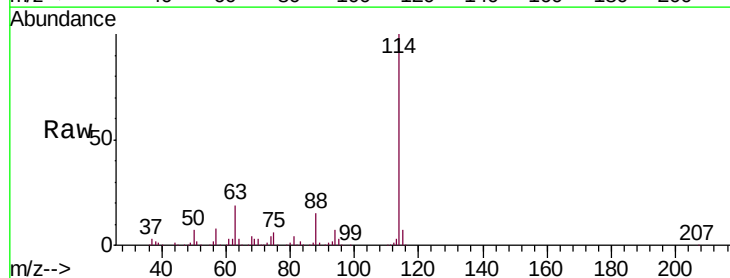
Tgt Ion: 114 Resp: 268254

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.6

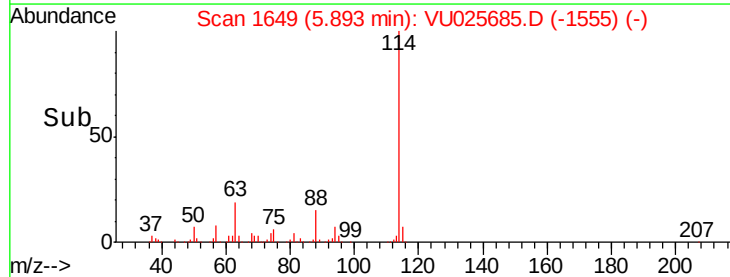
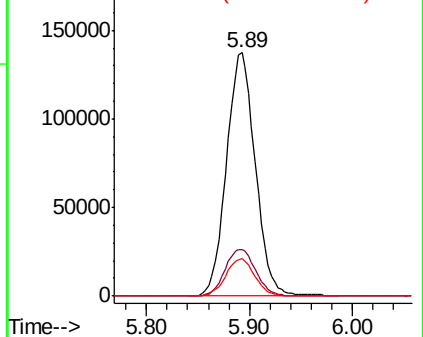
88 15.3 0.0 32.4

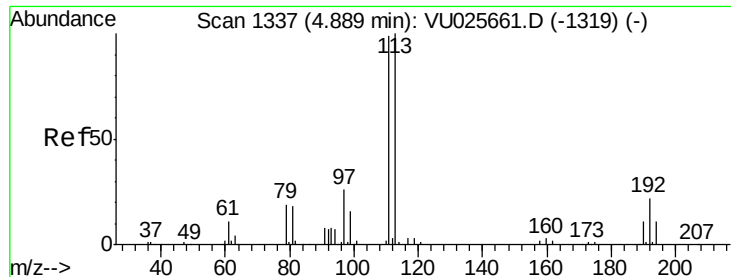


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

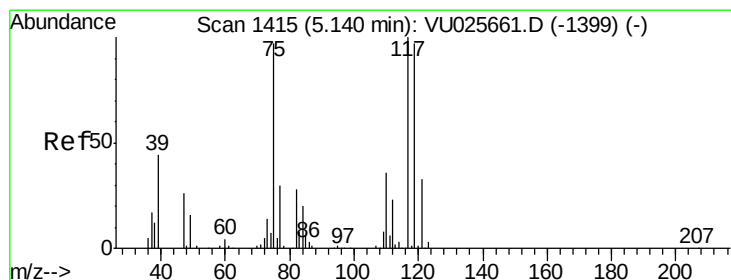
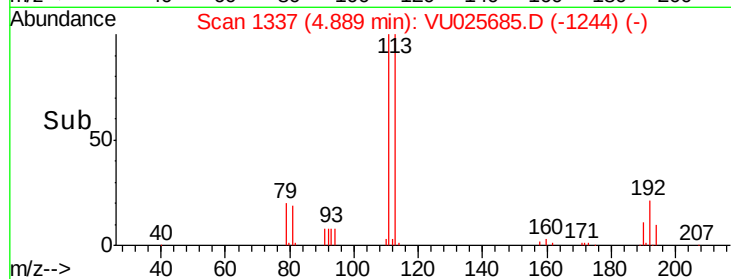
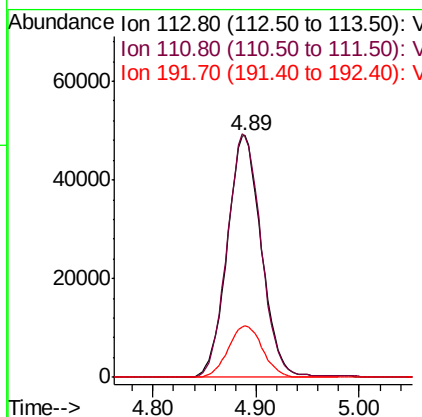
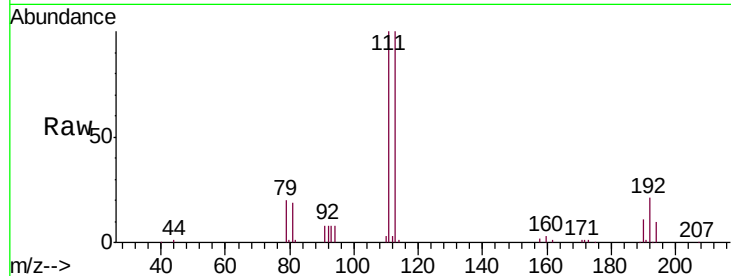




#35
 Dibromofluoromethane
 Concen: 48.47 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025685.D
 Acq: 27 Jul 2018 22:21

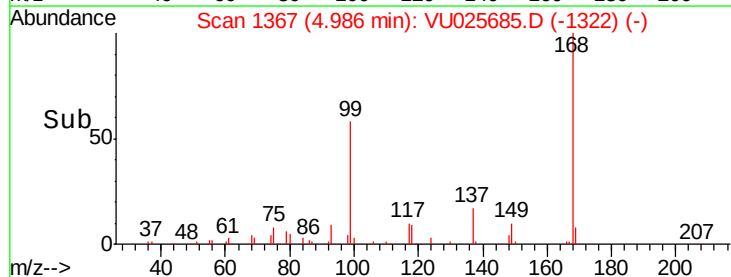
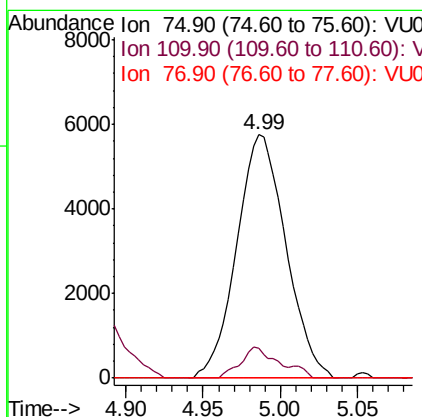
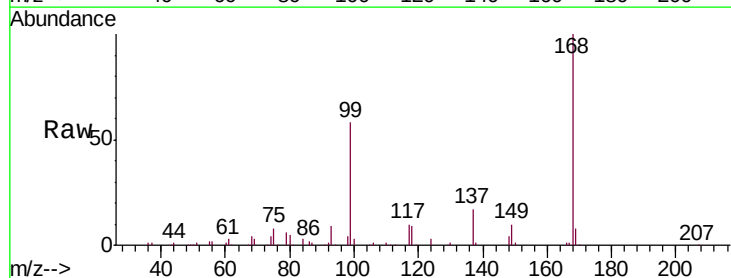
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBL02

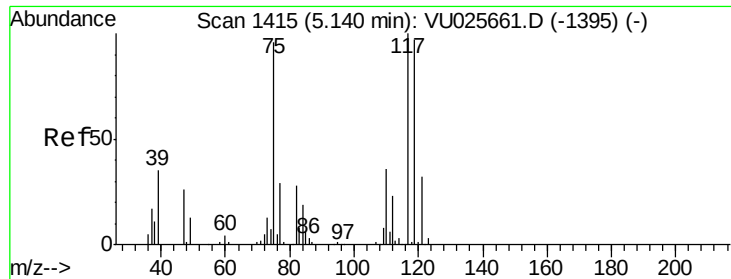
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.7	122.5
192	21.4	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.05 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025685.D
 Acq: 27 Jul 2018 22:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.6	52.9#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 4.73 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.16 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL02

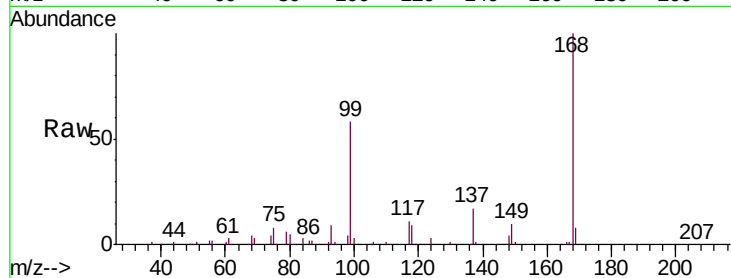
Tot Ion:117 Resp: 16789

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

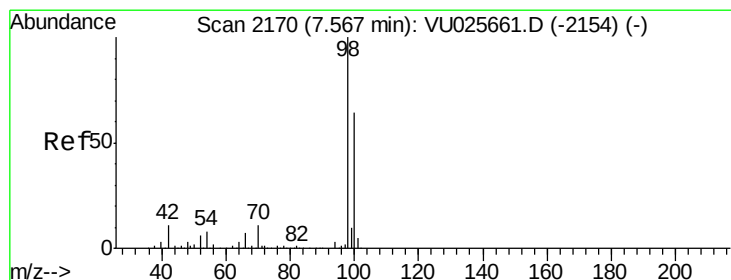
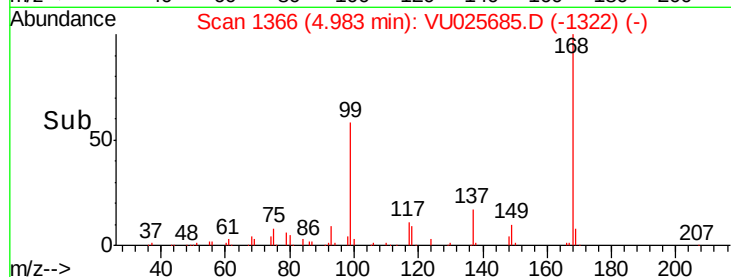
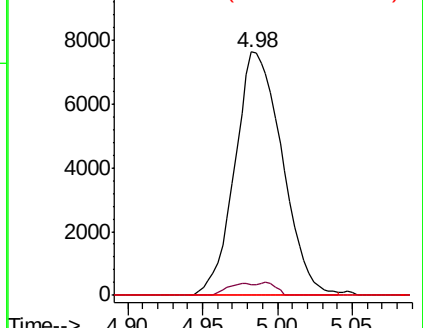
121 0.0 24.6 36.8#



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: 48.02 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025685.D

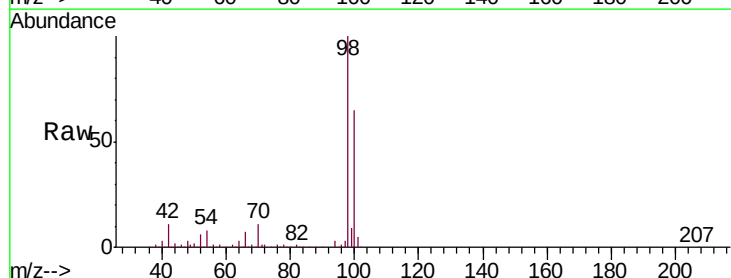
Acq: 27 Jul 2018 22:21

Tgt Ion: 98 Resp: 392094

Ion Ratio Lower Upper

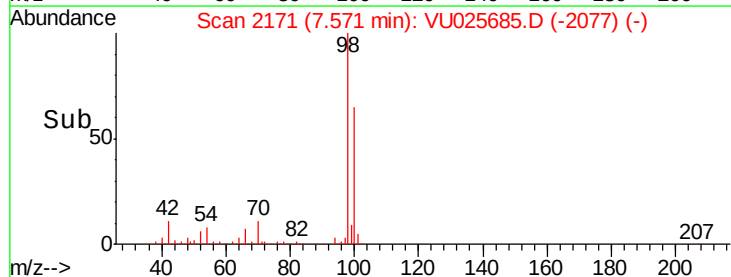
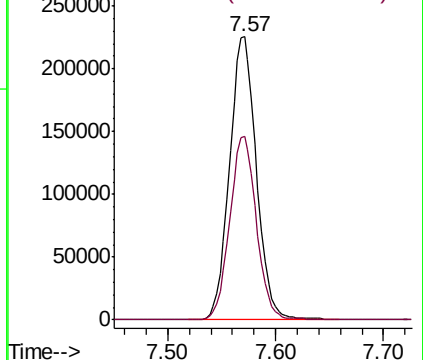
98 100

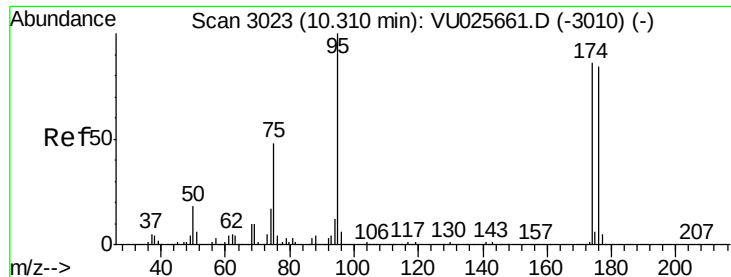
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

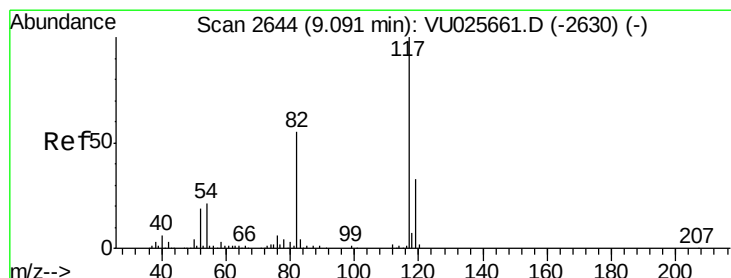
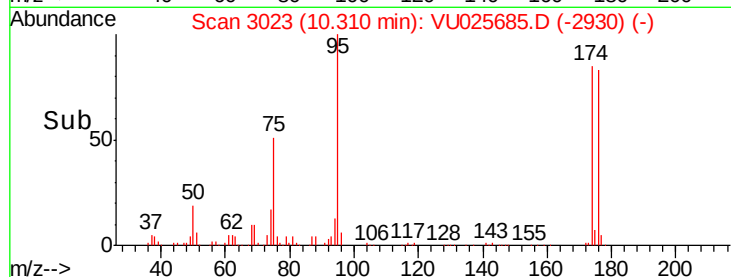
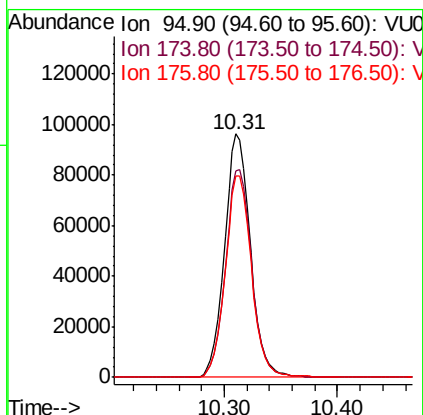
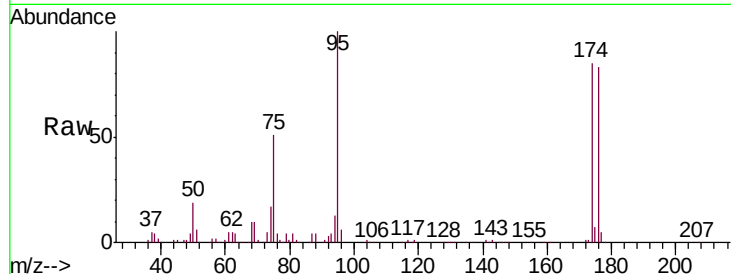




#62
4-Bromofluorobenzene
Concen: 48.16 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025685.D
Acq: 27 Jul 2018 22:21

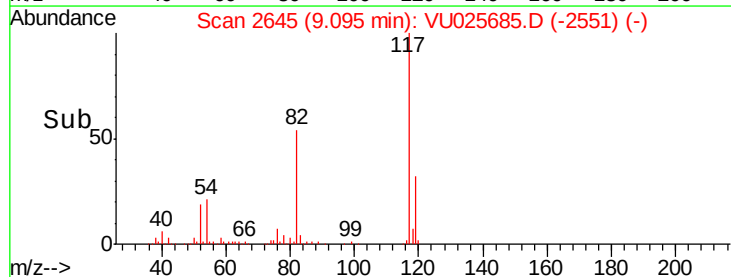
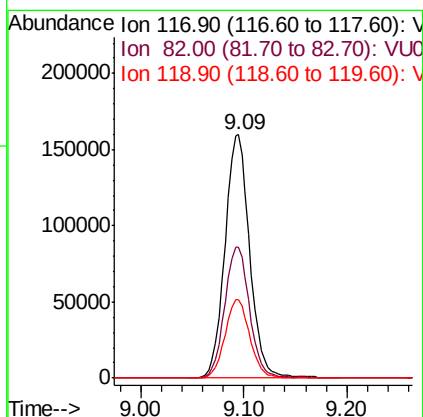
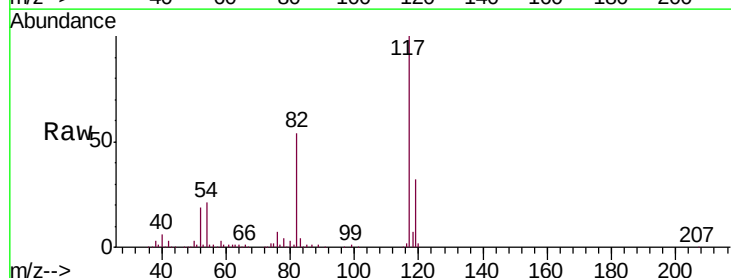
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBL02

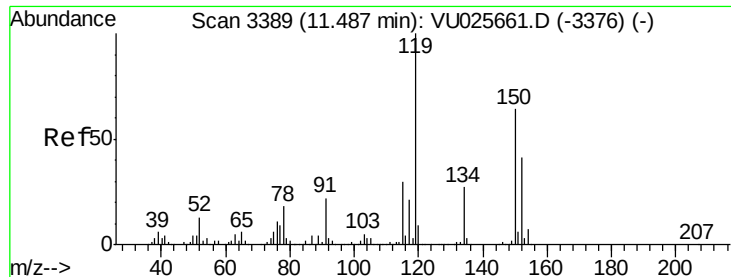
Tot Ion: 95 Resp: 152624
Ion Ratio Lower Upper
95 100
174 86.6 0.0 172.2
176 84.2 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025685.D
Acq: 27 Jul 2018 22:21

Tgt Ion: 117 Resp: 266573
Ion Ratio Lower Upper
117 100
82 53.8 46.0 69.0
119 32.4 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL02

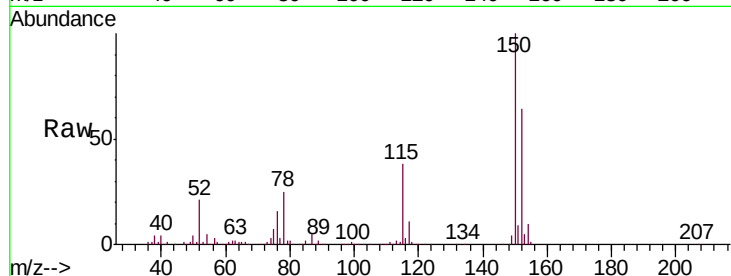
Tot Ion:152 Resp: 157877

Ion Ratio Lower Upper

152 100

115 58.1 40.1 120.3

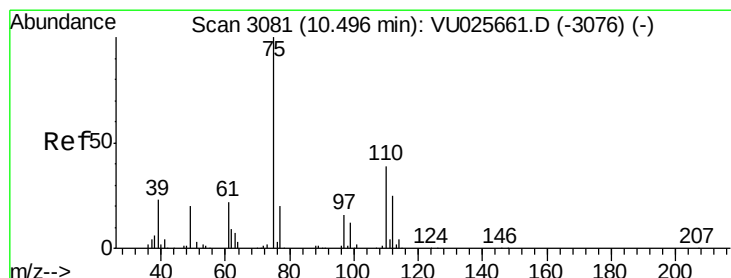
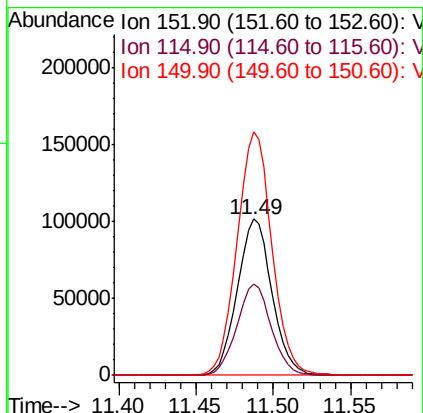
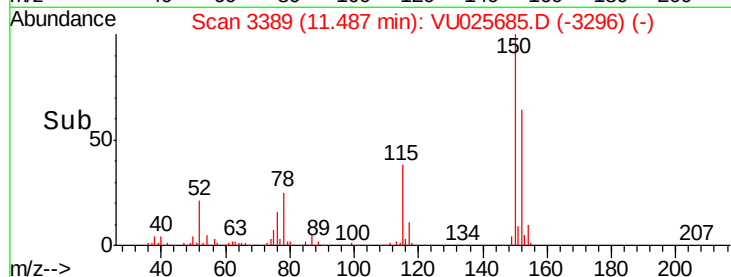
150 156.9 0.0 351.4



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: 22.42 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025685.D

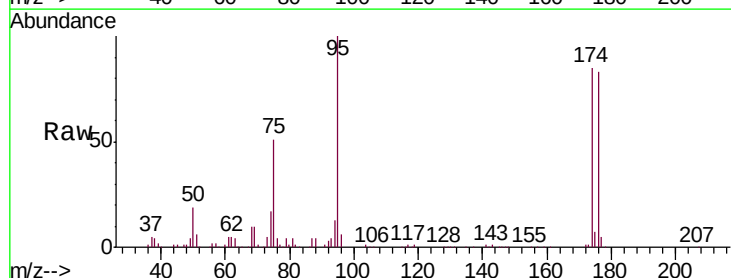
Acq: 27 Jul 2018 22:21

Tgt Ion: 75 Resp: 77980

Ion Ratio Lower Upper

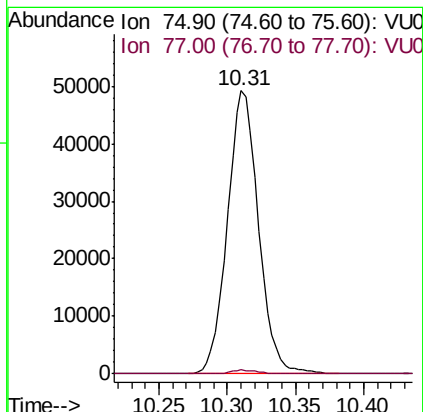
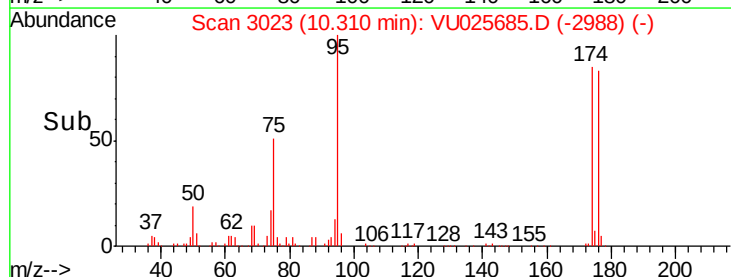
75 100

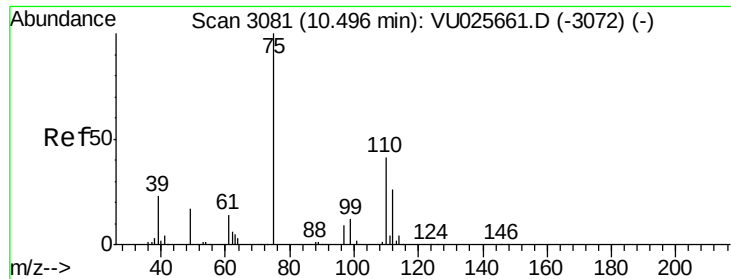
77 1.2 20.4 61.3#



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: 56.21 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL02

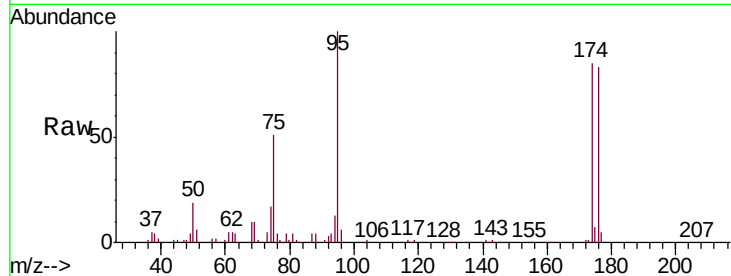
Tot Ion: 75 Resp: 77980

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

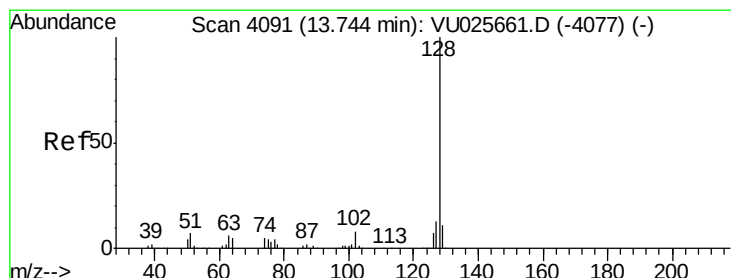
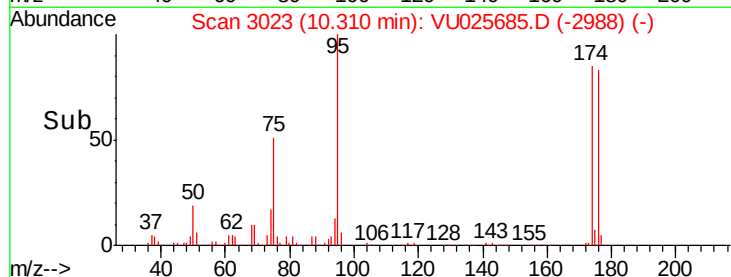
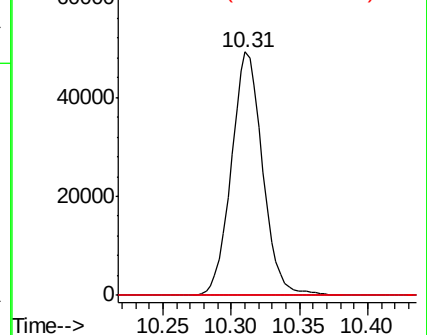
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3072) (-)

Ion 53.00 (52.70 to 53.70): VU025661.D (-3072) (-)

Ion 88.90 (88.60 to 89.60): VU025661.D (-3072) (-)



#95

Naphthalene

Concen: 1.36 ug/l

RT: 13.77 min Scan# 4099

Delta R.T. 0.03 min

Lab File: VU025685.D

Acq: 27 Jul 2018 22:21

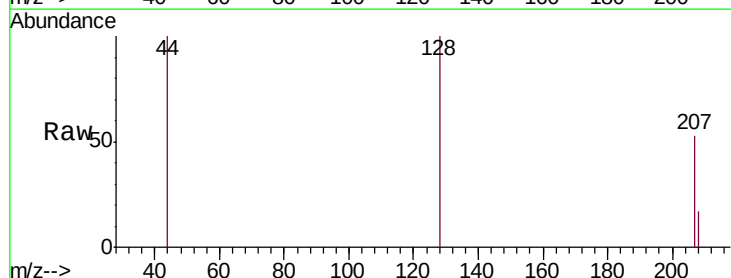
Tgt Ion: 128 Resp: 1296

Ion Ratio Lower Upper

128 100

127 6.7 10.5 15.7#

129 0.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): VU025661.D (-4077) (-)

Ion 127.00 (126.70 to 127.70): VU025661.D (-4077) (-)

Ion 129.00 (128.70 to 129.70): VU025661.D (-4077) (-)

