

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025081.D
 Acq On : 30 Jun 2018 12:20
 Operator : MD/SY
 Sample : VV0630MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBL01

Quant Time: Jul 02 05:34:54 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	216177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	322581	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156058	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	162539	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
35) Dibromofluoromethane	4.89	113	125481	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
50) Toluene-d8	7.57	98	465755	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	10.31	95	174284	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	

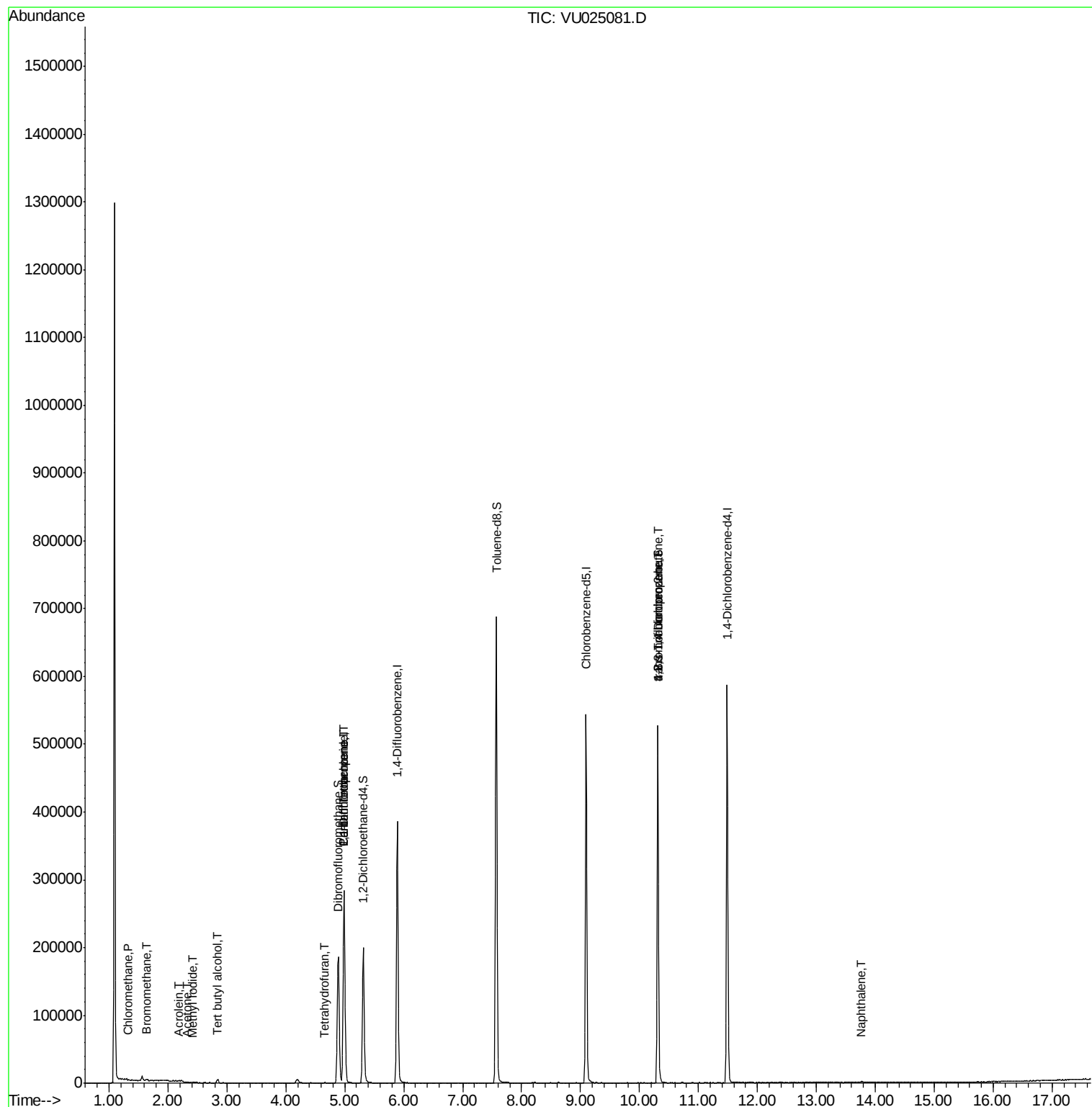
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	829	0.300	ug/l	93
5) Bromomethane	1.64	94	771	0.559	ug/l #	76
6) Chloroethane	1.68	64	41	Below Cal	#	43
10) Methyl Iodide	2.41	142	121	5.336	ug/l #	40
11) Tert butyl alcohol	2.84	59	2880	3.355	ug/l #	74
13) Acrolein	2.19	56	195	0.433	ug/l #	13
16) Acetone	2.33	43	700	0.369	ug/l #	88
29) Tetrahydrofuran	4.65	42	341	0.216	ug/l	90
31) Cyclohexane	4.99	56	4307	Below Cal	#	4
36) 1,1-Dichloropropene	4.99	75	16254	4.288	ug/l #	50
38) Carbon Tetrachloride	4.99	117	21911	5.257	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	89381	26.014	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89381	60.208	ug/l #	100
95) Naphthalene	13.76	128	3159	0.951	ug/l #	75

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

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Quant Time: Jul 02 05:34:54 2018
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: VU025081.D

Acq: 30 Jun 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

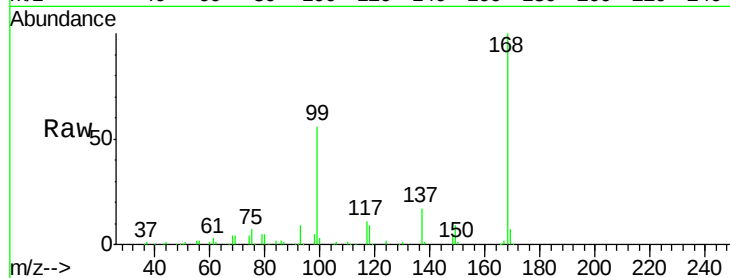
VU0630MBL01

Tgt Ion:168 Resp: 216177

Ion Ratio Lower Upper

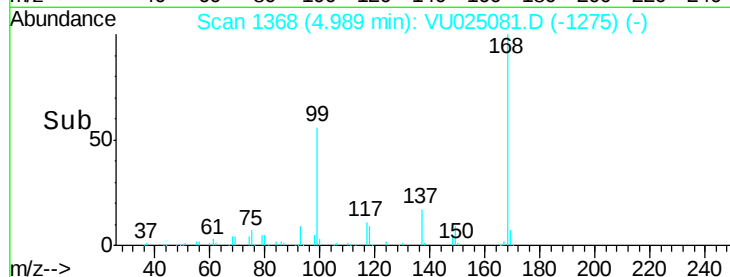
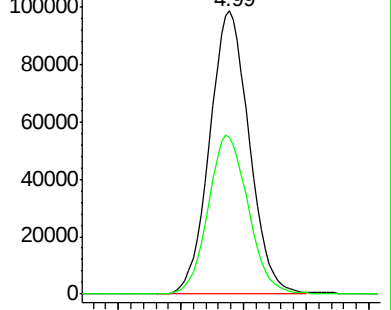
168 100

99 55.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.300 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025081.D

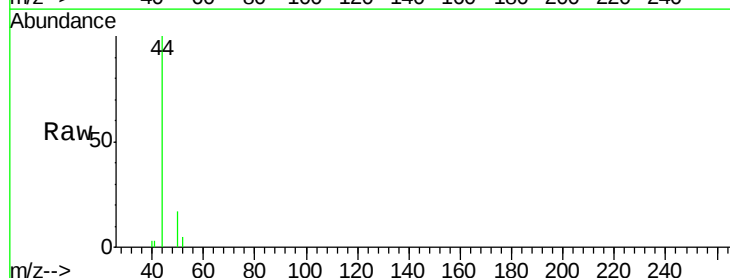
Acq: 30 Jun 2018 12:20

Tgt Ion: 50 Resp: 829

Ion Ratio Lower Upper

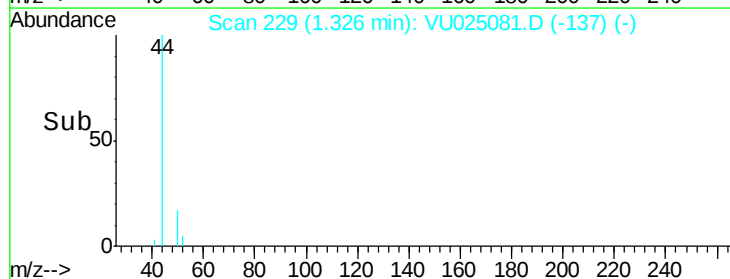
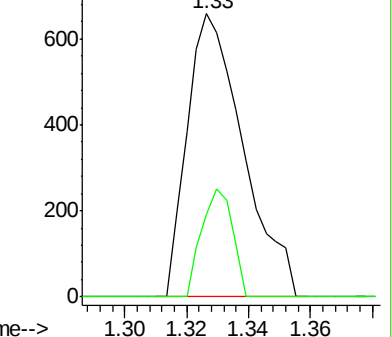
50 100

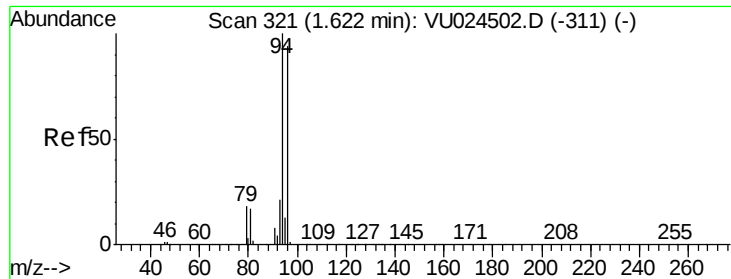
52 29.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.559 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025081.D

Acq: 30 Jun 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

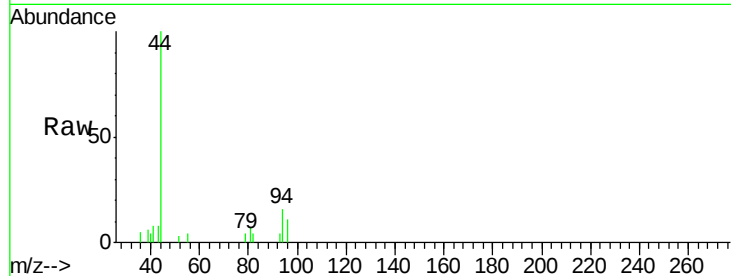
VU0630MBL01

Tgt Ion: 94 Resp: 771

Ion Ratio Lower Upper

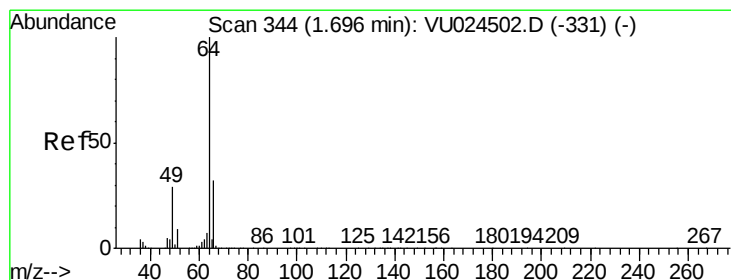
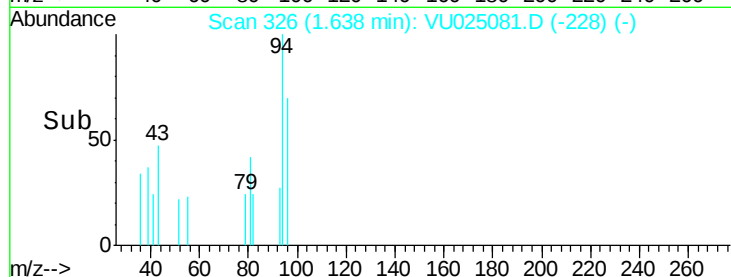
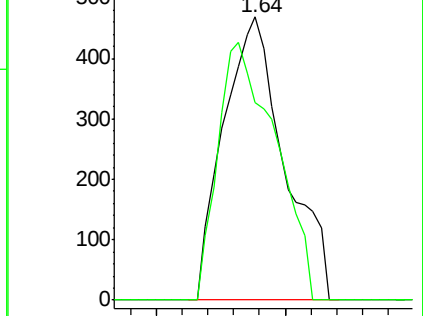
94 100

96 69.7 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 338

Delta R.T. -0.02 min

Lab File: VU025081.D

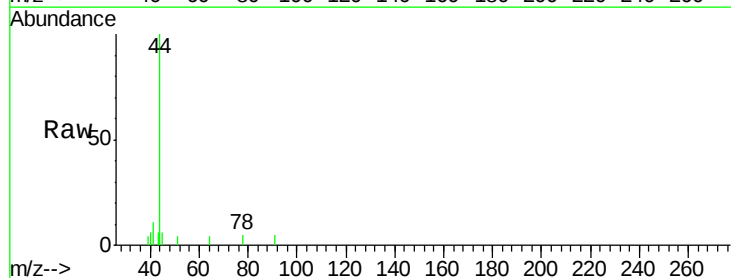
Acq: 30 Jun 2018 12:20

Tgt Ion: 64 Resp: 41

Ion Ratio Lower Upper

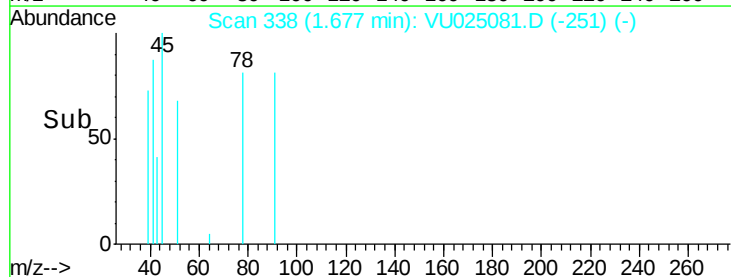
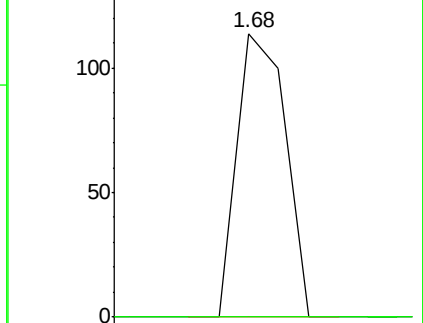
64 100

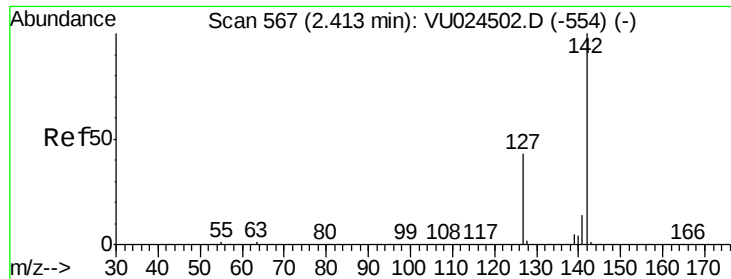
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

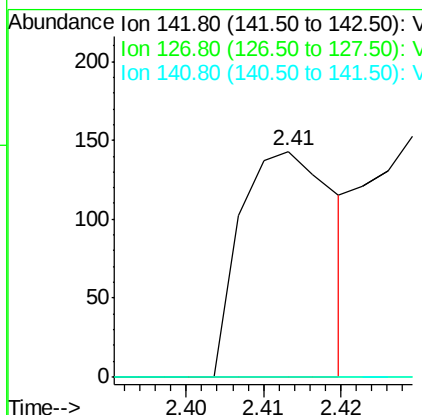
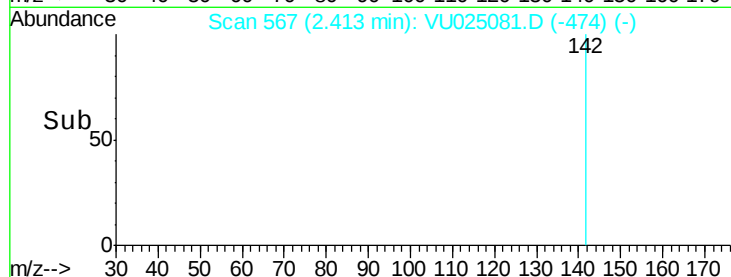
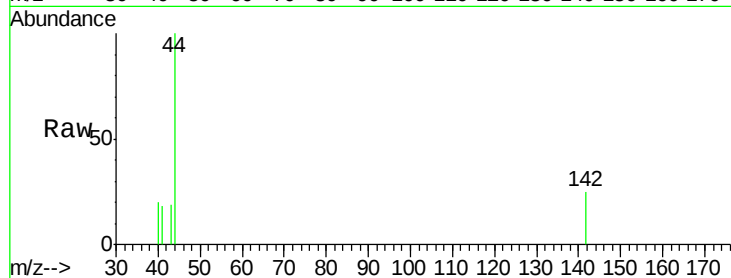




#10
Methyl Iodide
Concen: 5.336 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU025081.D
Acq: 30 Jun 2018 12:20

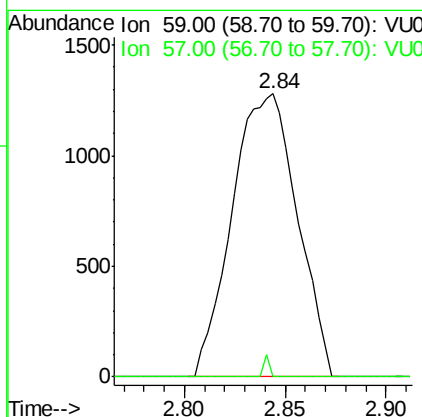
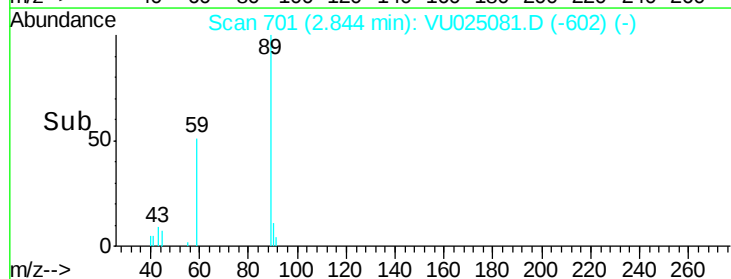
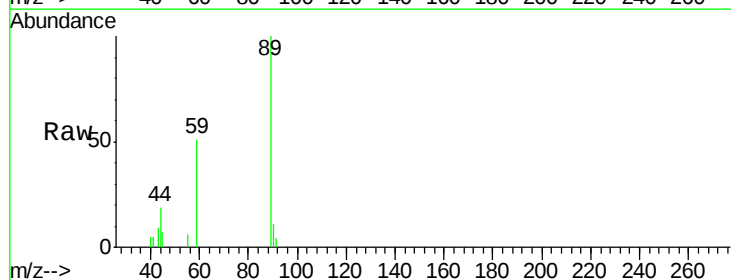
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBL01

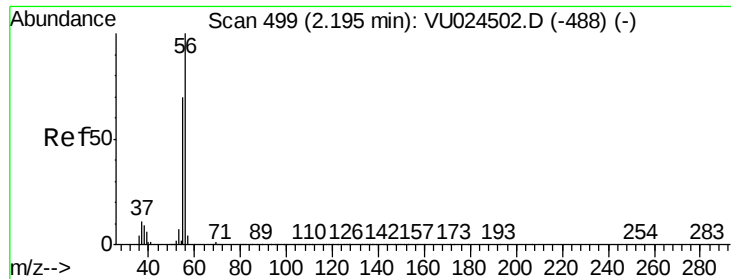
Tgt Ion: 142 Resp: 121
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 3.355 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU025081.D
Acq: 30 Jun 2018 12:20

Tgt Ion: 59 Resp: 2880
Ion Ratio Lower Upper
59 100
57 0.7 8.5 12.7#

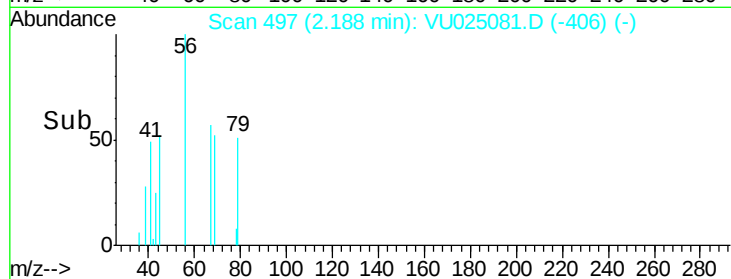
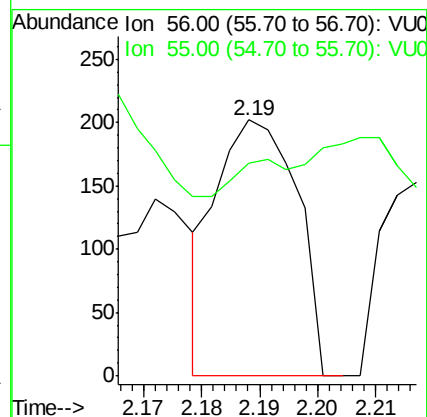
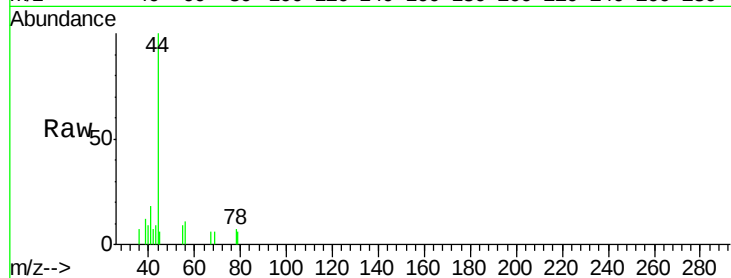




#13
Acrolein
Concen: 0.433 ug/l
RT: 2.19 min Scan# 497
Delta R.T. -0.01 min
Lab File: VU025081.D
Acq: 30 Jun 2018 12:20

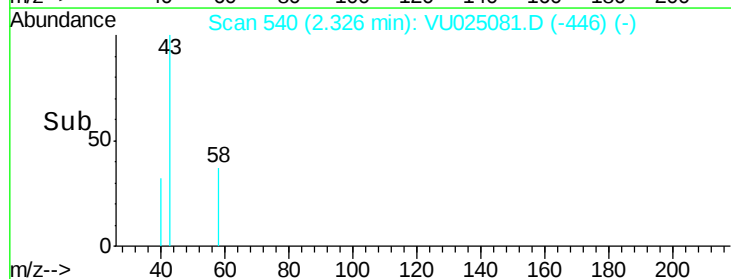
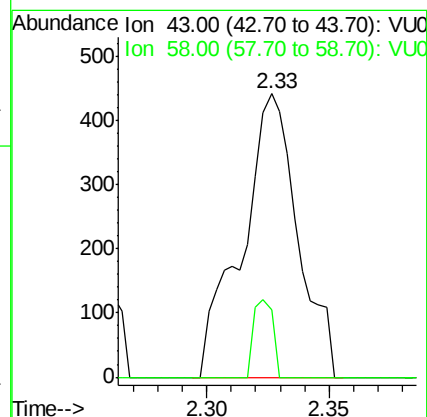
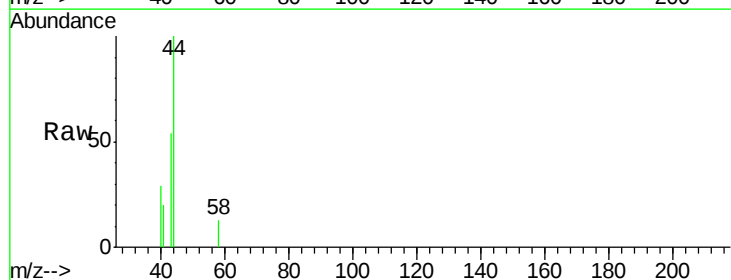
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBL01

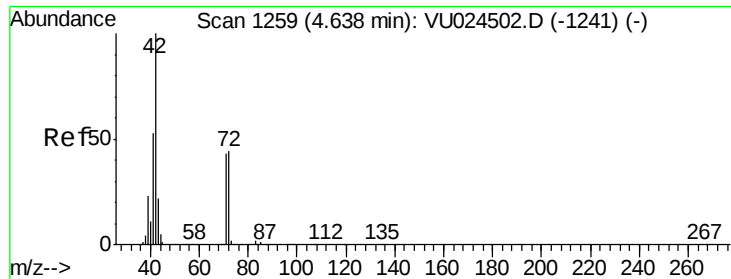
Tgt Ion: 56 Resp: 195
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#16
Acetone
Concen: 0.369 ug/l
RT: 2.33 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU025081.D
Acq: 30 Jun 2018 12:20

Tgt Ion: 43 Resp: 700
Ion Ratio Lower Upper
43 100
58 23.8 24.4 36.6#

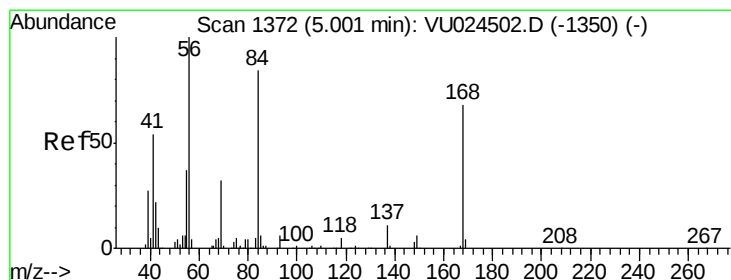
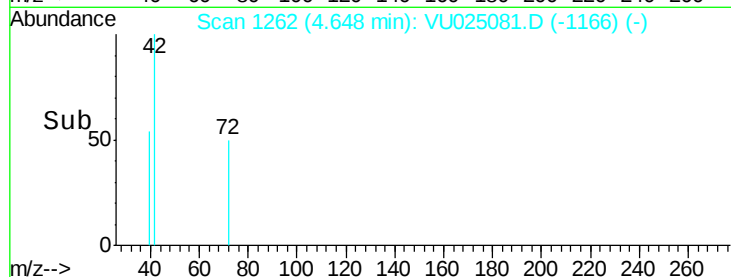
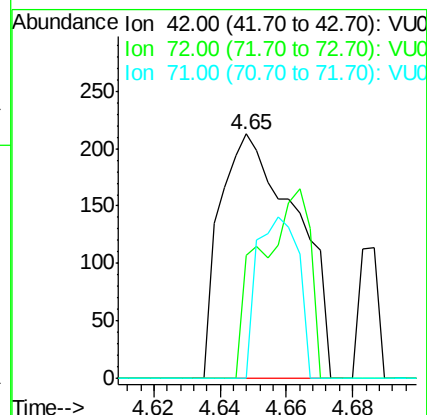
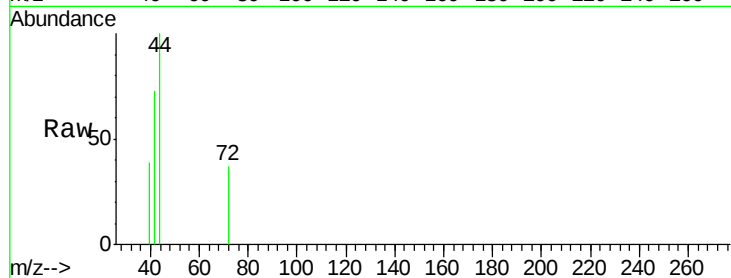




#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 4.65 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VU025081.D
Acq: 30 Jun 2018 12:20

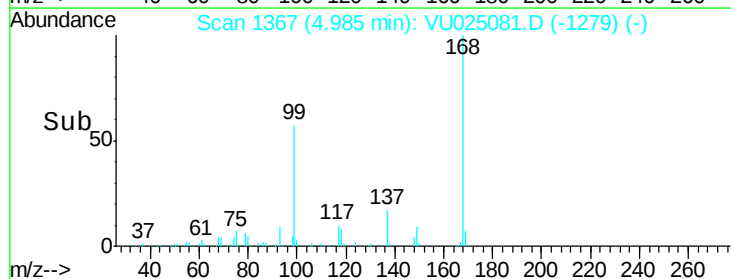
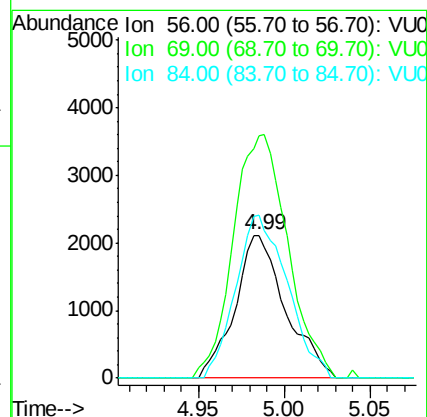
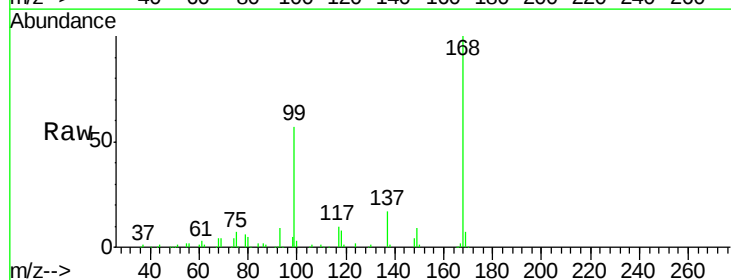
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBL01

Tgt Ion: 42 Resp: 341
Ion Ratio Lower Upper
42 100
72 50.4 34.5 51.7
71 35.5 32.2 48.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025081.D
Acq: 30 Jun 2018 12:20

Tgt Ion: 56 Resp: 4307
Ion Ratio Lower Upper
56 100
69 169.8 24.8 37.2#
84 114.6 65.2 97.8#

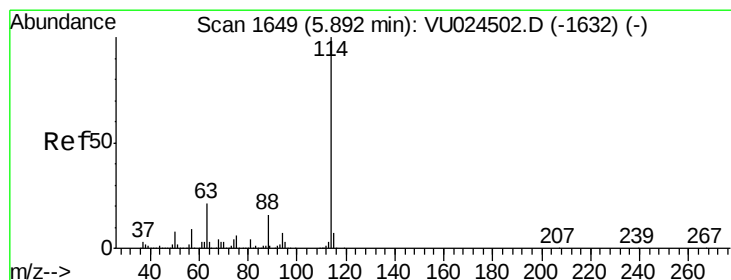
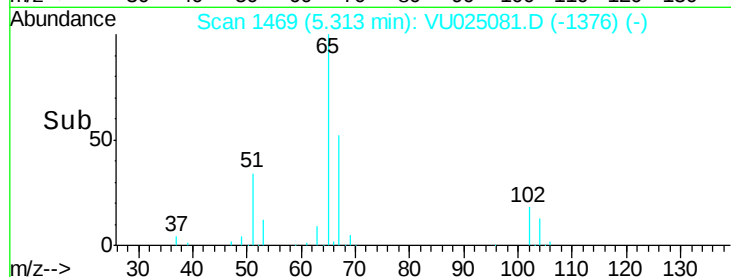
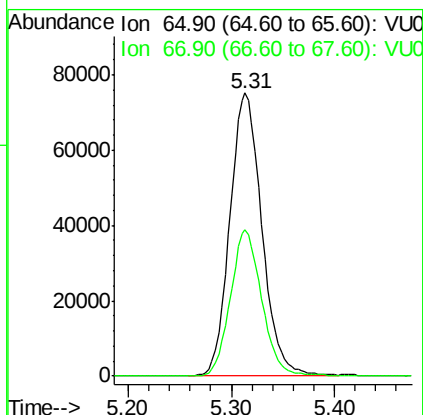
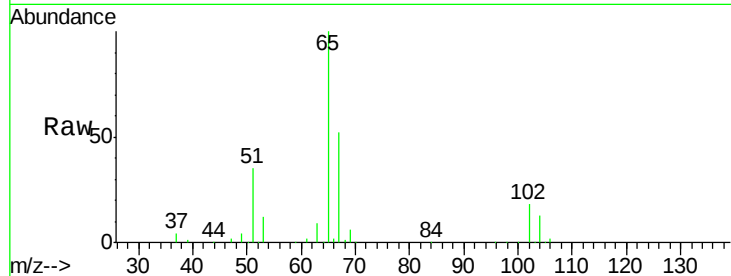




#33
 1,2-Dichloroethane-d4
 Concen: 46.056 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025081.D
 Acq: 30 Jun 2018 12:20

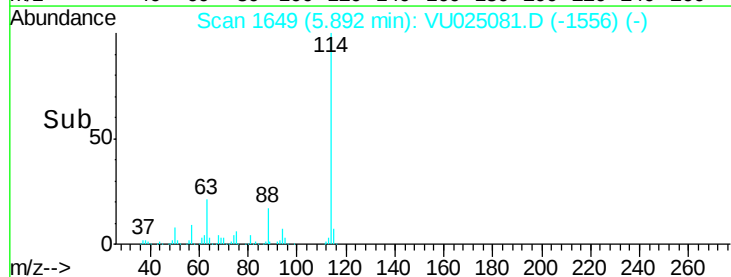
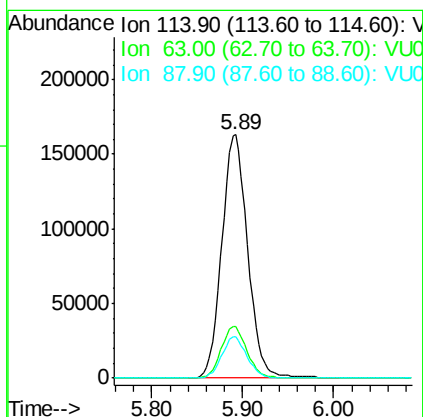
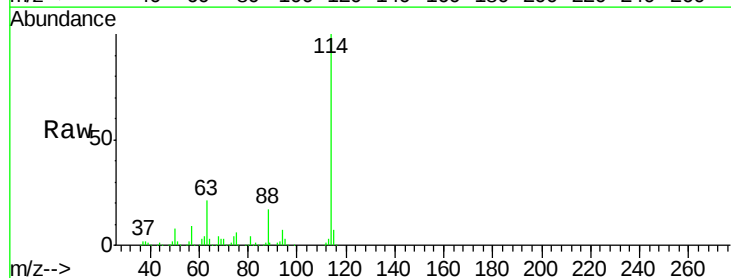
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBL01

Tgt Ion: 65 Resp: 162539
 Ion Ratio Lower Upper
 65 100
 67 50.6 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: VU025081.D
 Acq: 30 Jun 2018 12:20

Tgt Ion: 114 Resp: 322581
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.9 0.0 31.0

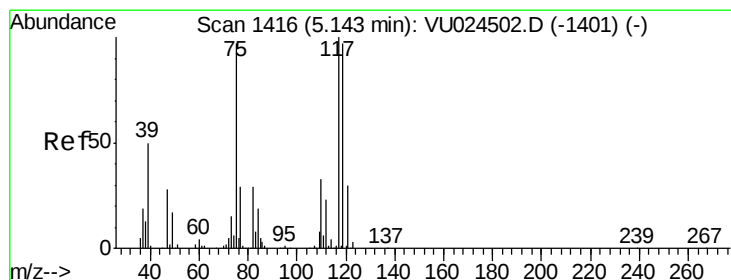
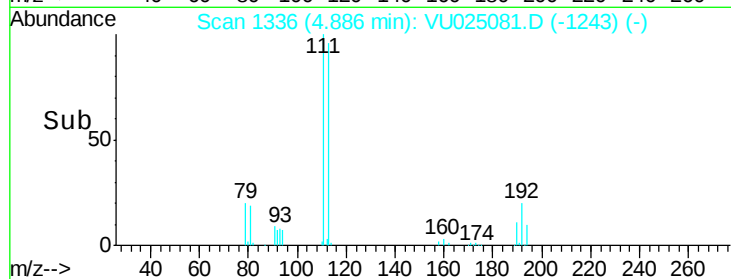
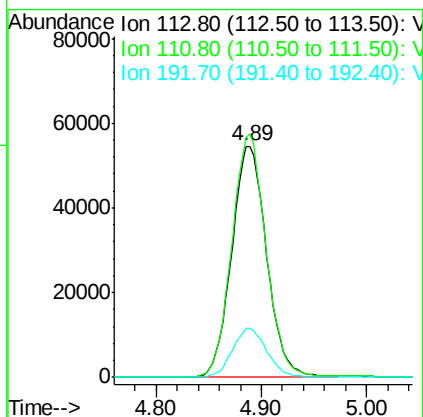
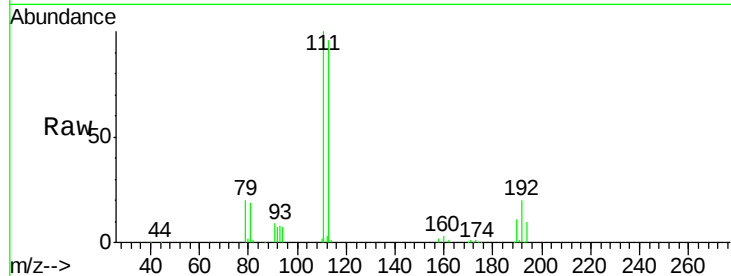




#35
 Dibromofluoromethane
 Concen: 46.871 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025081.D
 Acq: 30 Jun 2018 12:20

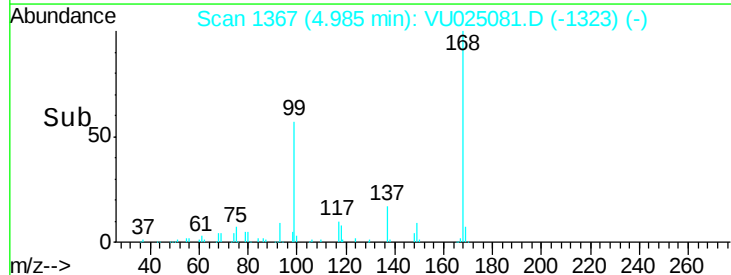
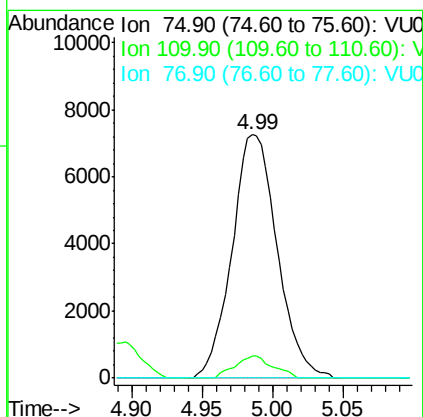
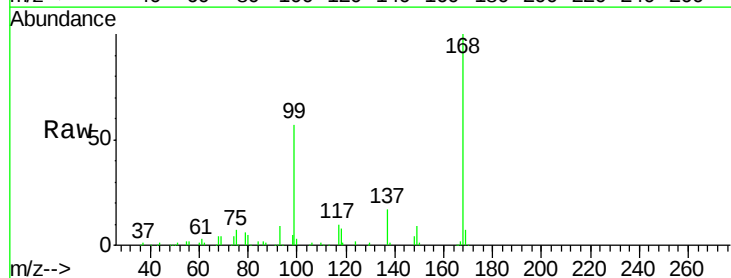
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBL01

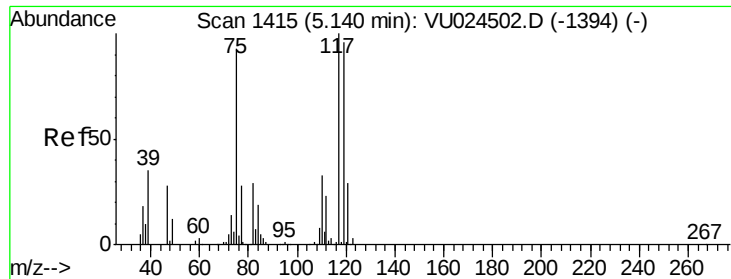
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.0	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.288 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025081.D
 Acq: 30 Jun 2018 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.257 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025081.D

Acq: 30 Jun 2018 12:20

Instrument :

MSVOA_U

ClientSampled :

VU0630MBL01

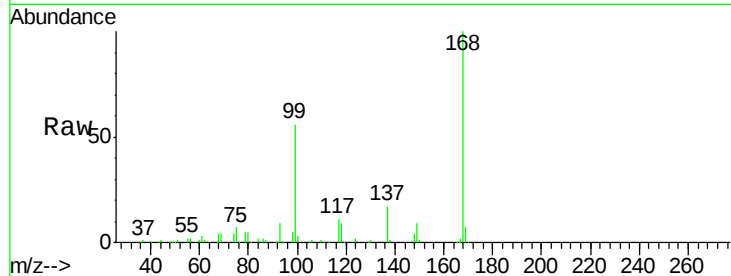
Tgt Ion:117 Resp: 21911

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

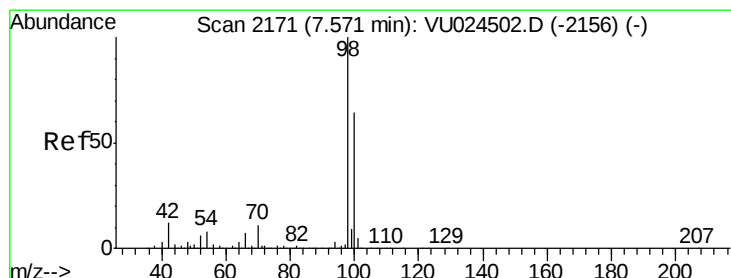
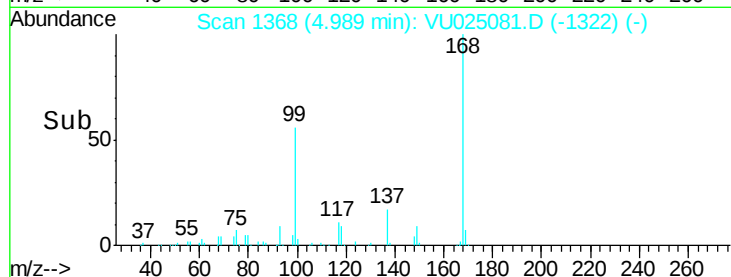
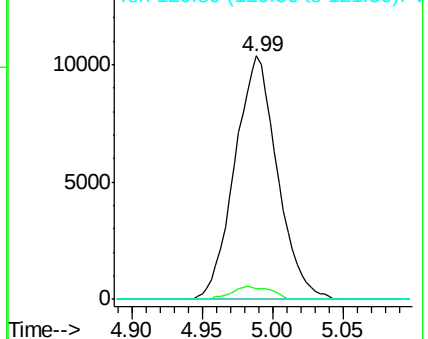
121 0.0 23.7 35.5#



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: 47.695 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025081.D

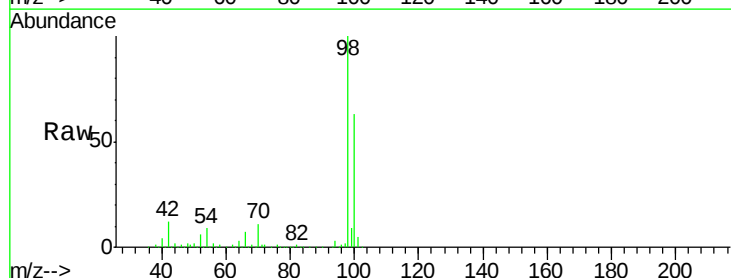
Acq: 30 Jun 2018 12:20

Tgt Ion: 98 Resp: 465755

Ion Ratio Lower Upper

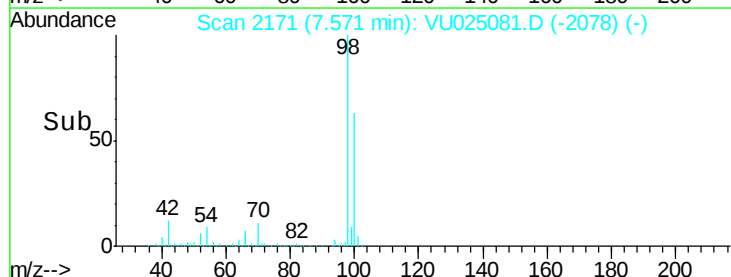
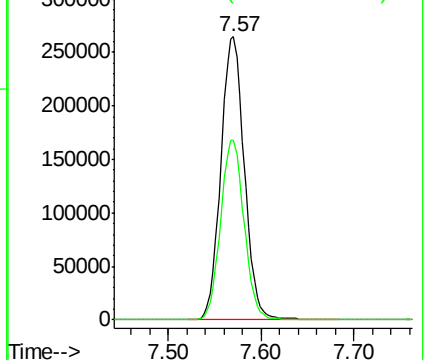
98 100

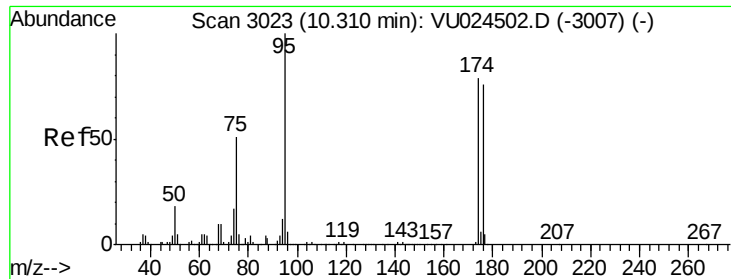
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

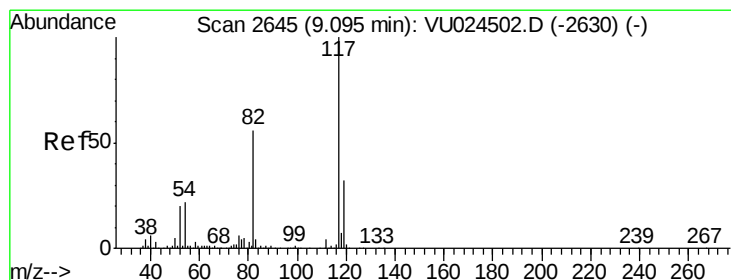
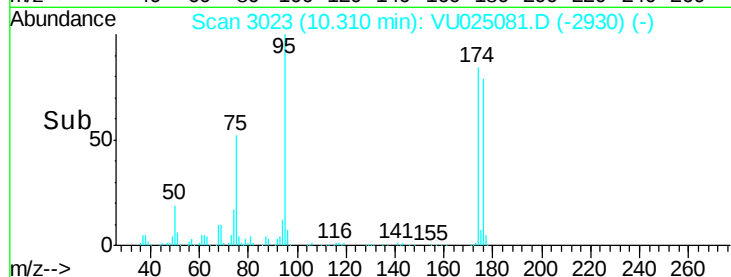
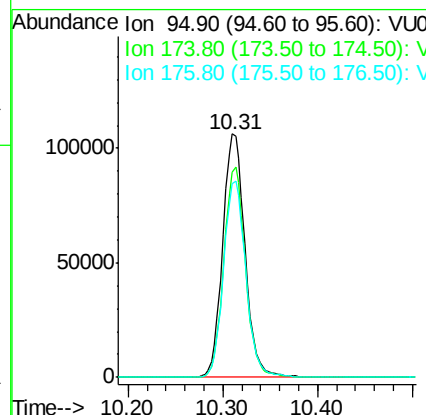
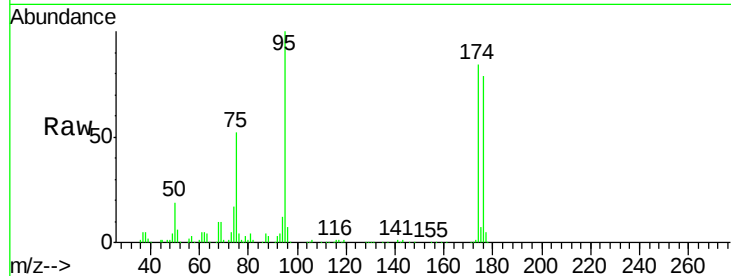




#62
4-Bromofluorobenzene
Concen: 44.951 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025081.D
Acq: 30 Jun 2018 12:20

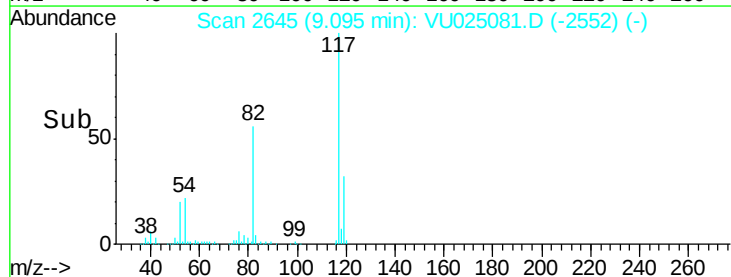
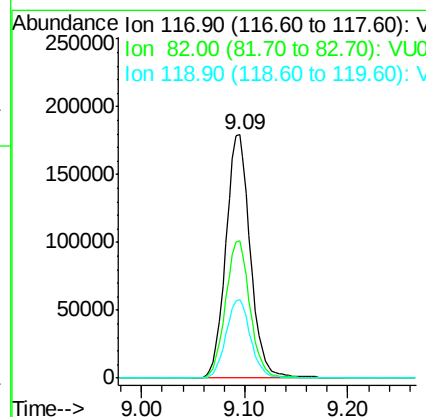
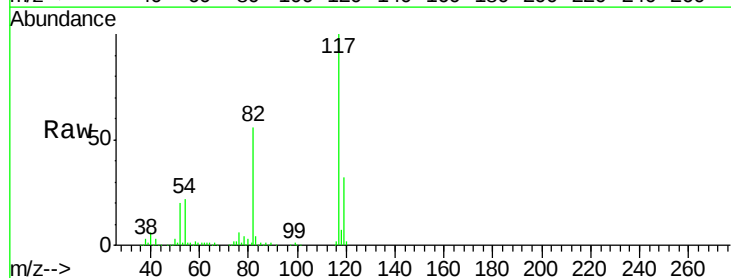
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBL01

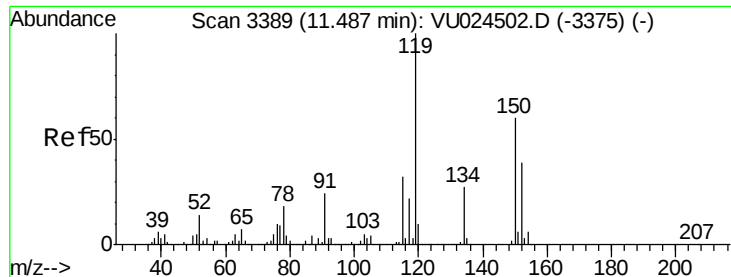
Tgt Ion: 95 Resp: 174284
Ion Ratio Lower Upper
95 100
174 83.9 0.0 165.8
176 80.9 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025081.D
Acq: 30 Jun 2018 12:20

Tgt Ion: 117 Resp: 296942
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 32.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025081.D

Acq: 30 Jun 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBL01

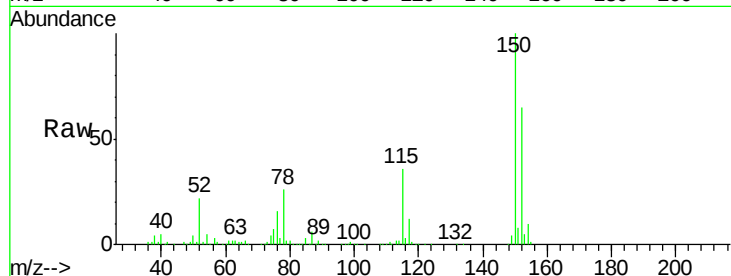
Tgt Ion:152 Resp: 156058

Ion Ratio Lower Upper

152 100

115 57.2 43.0 129.0

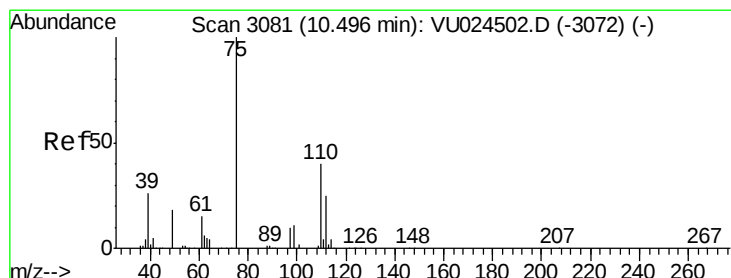
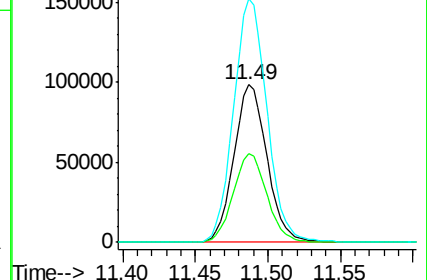
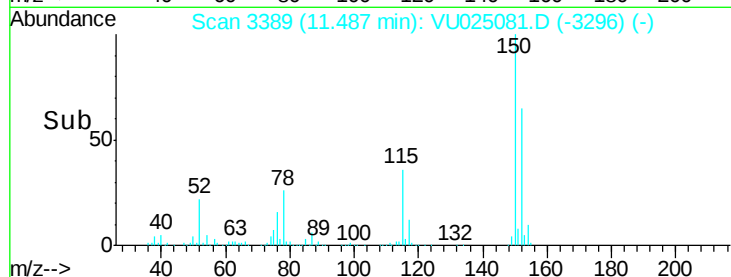
150 155.5 0.0 354.0



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: 26.014 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025081.D

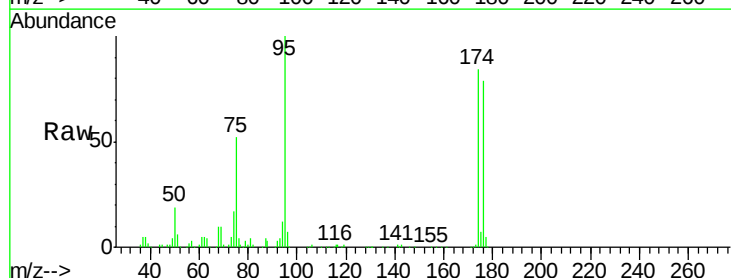
Acq: 30 Jun 2018 12:20

Tgt Ion: 75 Resp: 89381

Ion Ratio Lower Upper

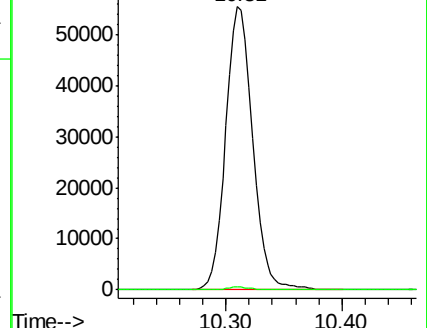
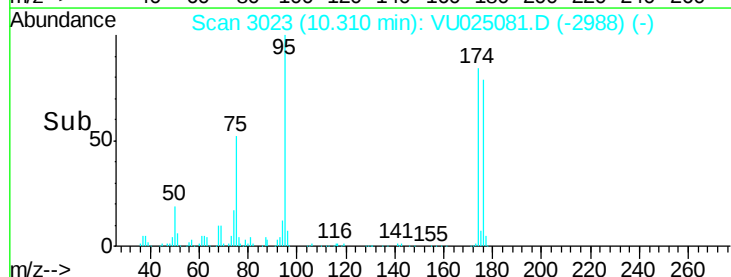
75 100

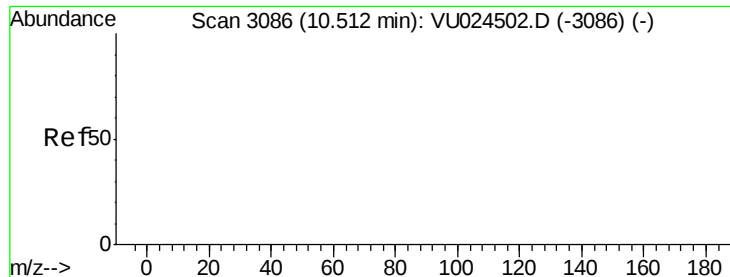
77 0.9 20.9 62.7#



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: 60.208 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025081.D

Acq: 30 Jun 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBL01

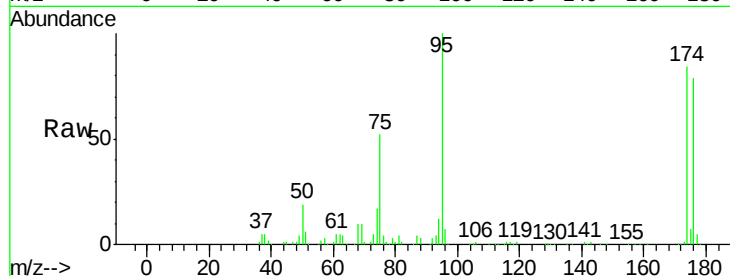
Tgt Ion: 75 Resp: 89381

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

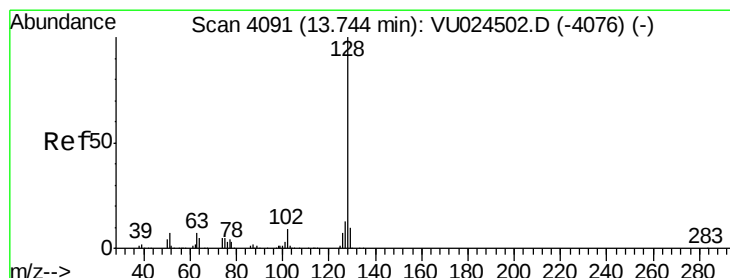
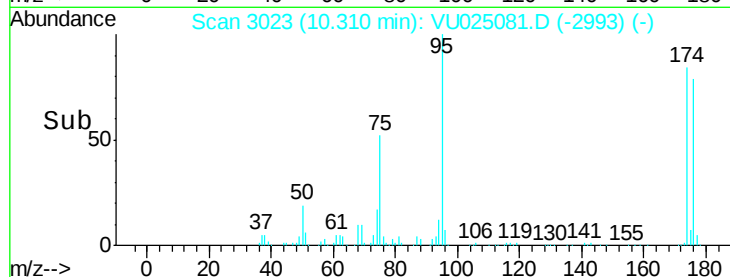
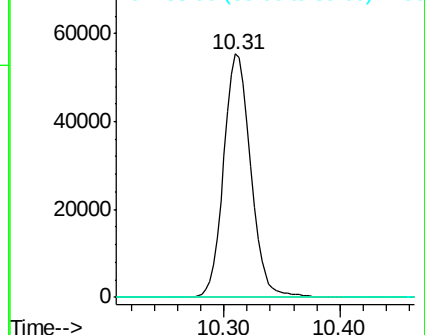
89 0.0 0.0 0.0



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



#95

Naphthalene

Concen: 0.951 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU025081.D

Acq: 30 Jun 2018 12:20

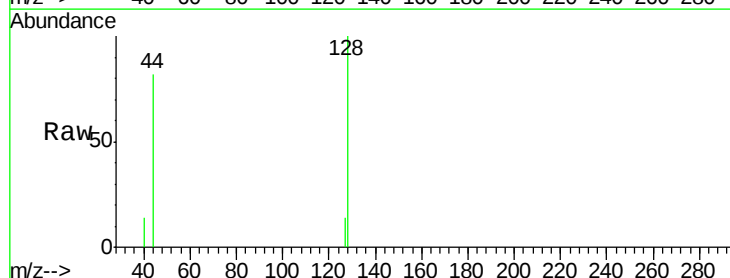
Tgt Ion: 128 Resp: 3159

Ion Ratio Lower Upper

128 100

127 4.6 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

