

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024957.D
 Acq On : 27 Jun 2018 11:18
 Operator : MD/SY
 Sample : VU0627MBL02
 Misc : 5.00g/10mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL03

Quant Time: Jun 28 02:23:20 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	237488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	354131	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	328700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178820	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	177730	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
35) Dibromofluoromethane	4.89	113	138113	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	7.57	98	510624	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	10.31	95	189914	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

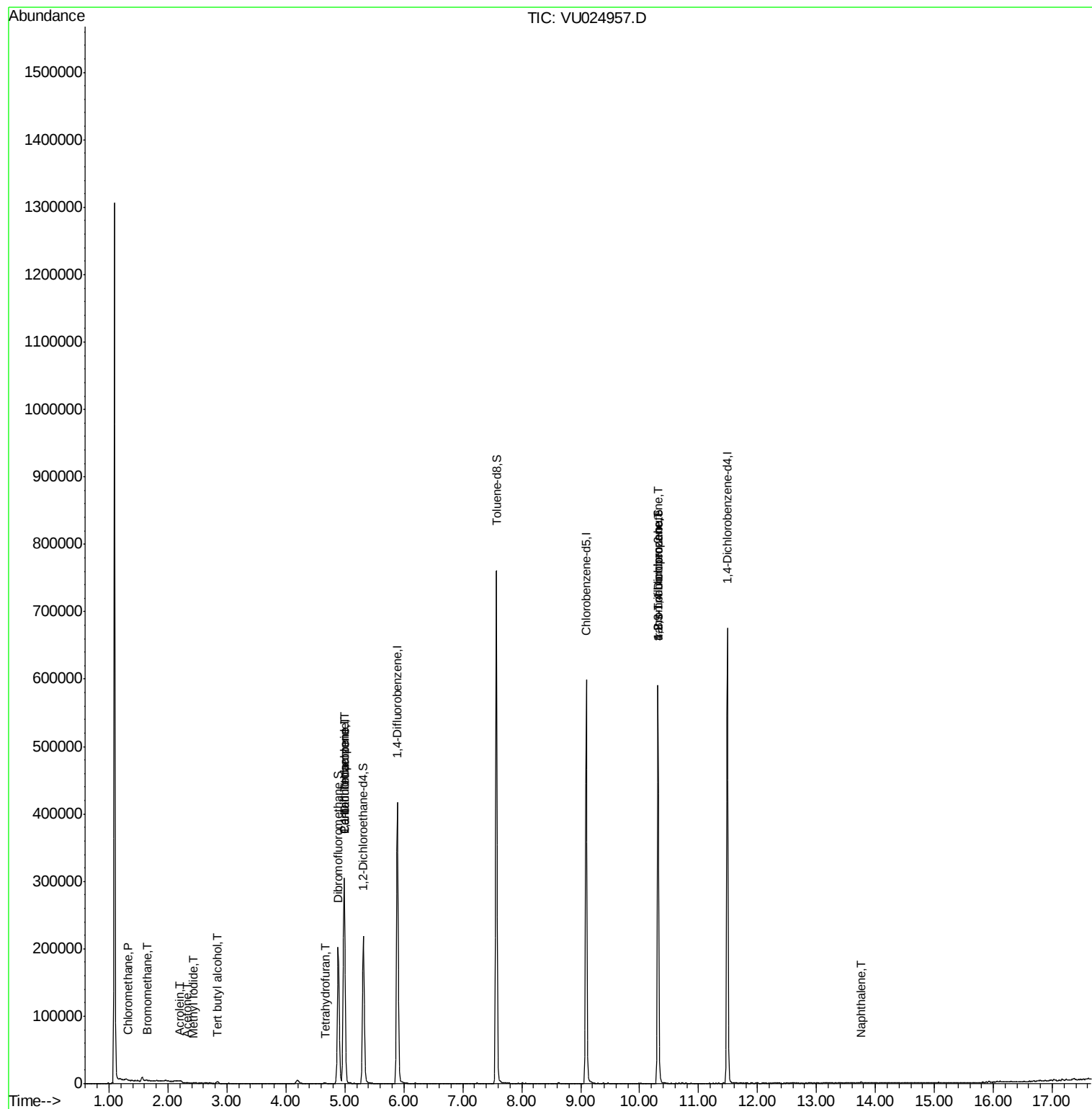
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	766	0.252	ug/l	94
5) Bromomethane	1.63	94	439	0.290	ug/l	91
6) Chloroethane	1.68	64	40	Below Cal	#	43
10) Methyl Iodide	2.43	142	128	5.334	ug/l #	40
11) Tert butyl alcohol	2.84	59	1412	1.497	ug/l #	72
13) Acrolein	2.19	56	265	0.535	ug/l #	53
16) Acetone	2.33	43	1033	0.496	ug/l	94
29) Tetrahydrofuran	4.65	42	624	0.360	ug/l #	43
31) Cyclohexane	4.99	56	4874	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17298	4.157	ug/l #	51
38) Carbon Tetrachloride	4.99	117	22607	4.940	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	98242	24.954	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	98242	57.753	ug/l #	100
95) Naphthalene	13.76	128	2324	0.854	ug/l #	77

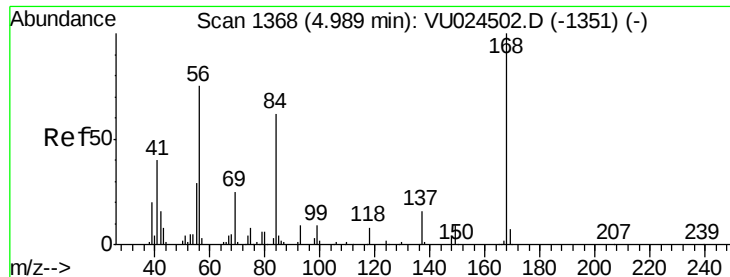
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
Data File : VU024957.D
Acq On : 27 Jun 2018 11:18
Operator : MD/SY
Sample : VU0627MBL02
Misc : 5.00g/10mL/100uL/5.00ML/MSVOA_U/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL03

Quant Time: Jun 28 02:23:20 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: VU024957.D

Acq: 27 Jun 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

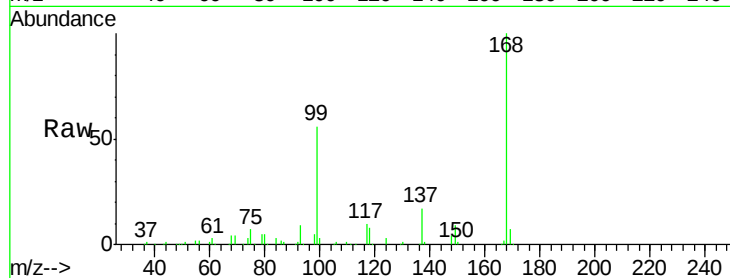
VU0627MBL03

Tgt Ion:168 Resp: 237488

Ion Ratio Lower Upper

168 100

99 56.2 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) (-)

4.99

120000

100000

80000

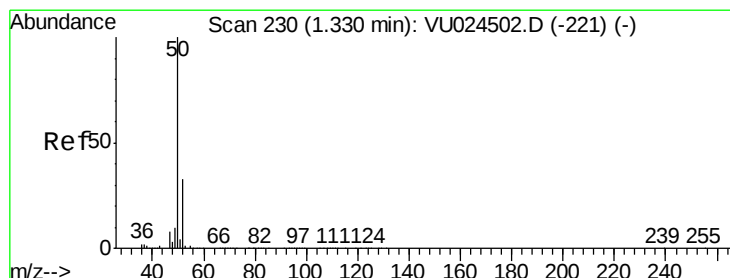
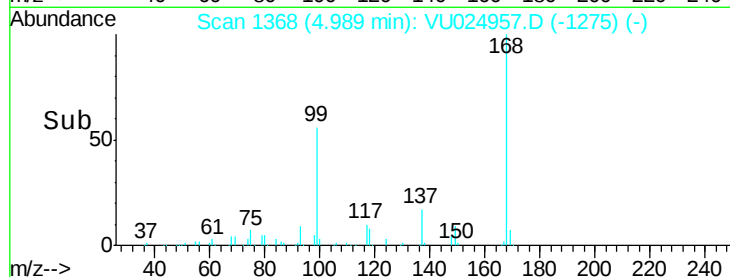
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024957.D

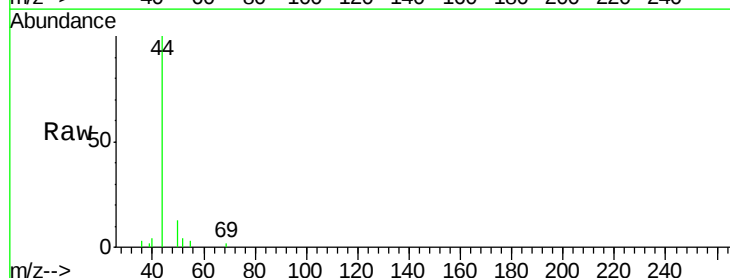
Acq: 27 Jun 2018 11:18

Tgt Ion: 50 Resp: 766

Ion Ratio Lower Upper

50 100

52 29.4 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) (-)

1.33

600

500

400

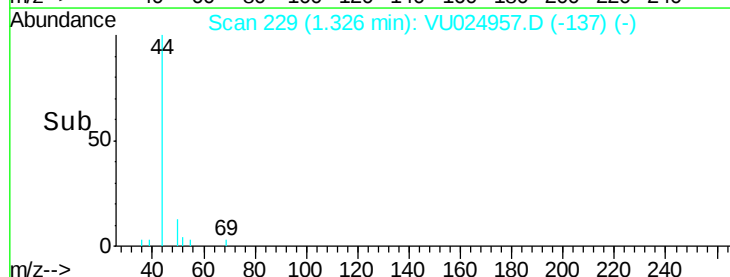
300

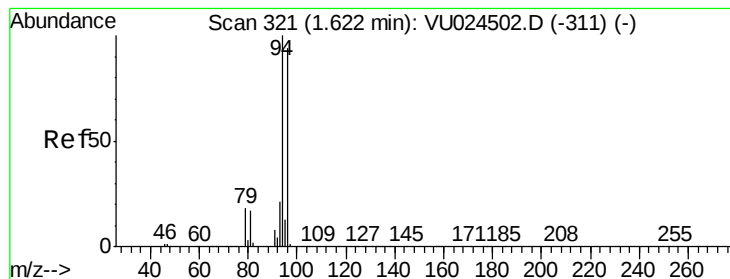
200

100

0

Time-->





#5

Bromomethane

Concen: 0.290 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024957.D

Acq: 27 Jun 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

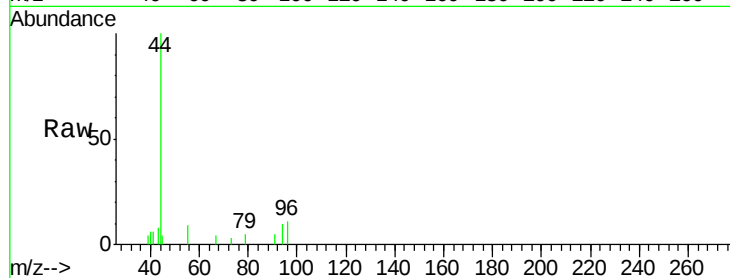
VU0627MBL03

Tgt Ion: 94 Resp: 439

Ion Ratio Lower Upper

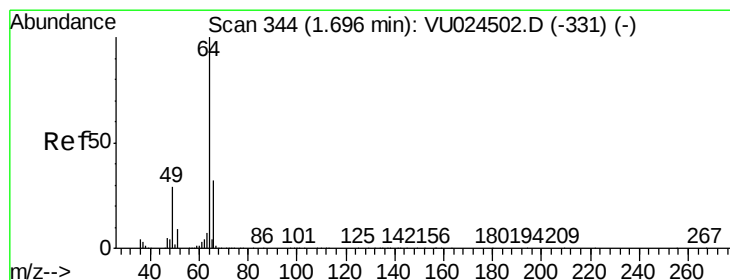
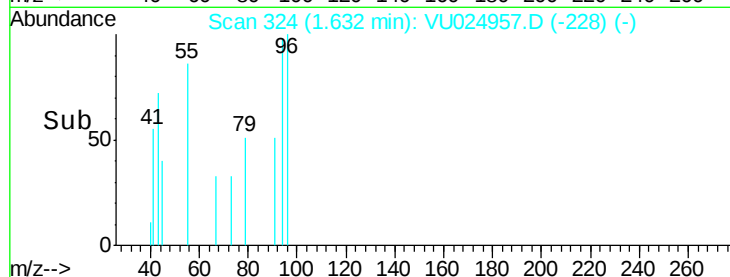
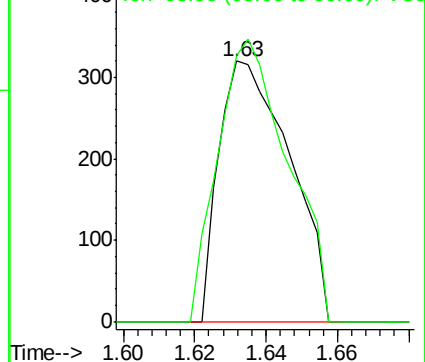
94 100

96 102.2 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# 340

Delta R.T. -0.01 min

Lab File: VU024957.D

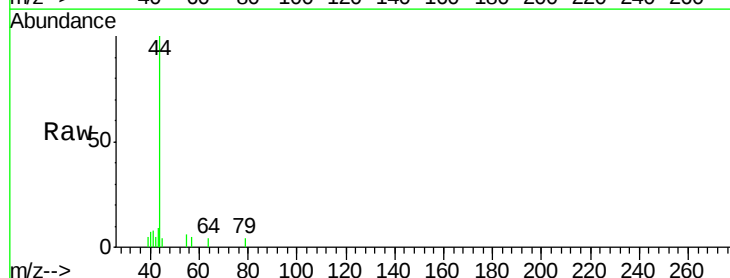
Acq: 27 Jun 2018 11:18

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

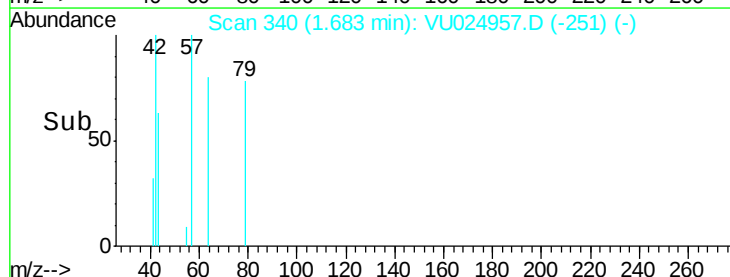
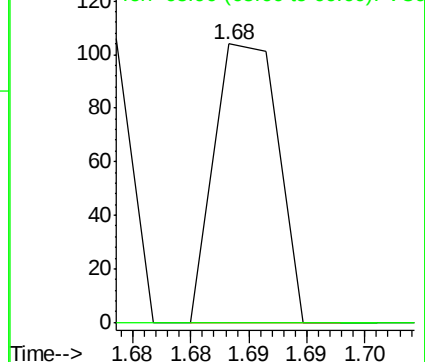
64 100

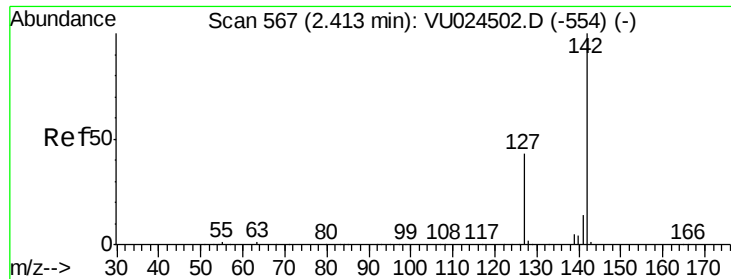
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

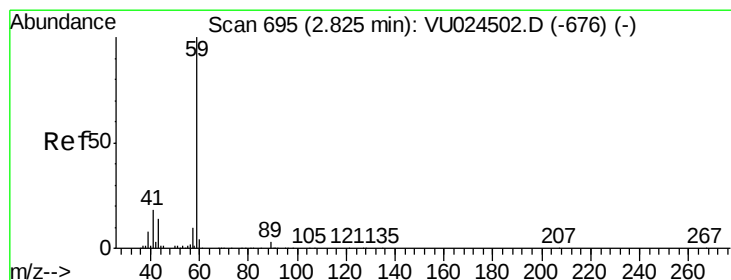
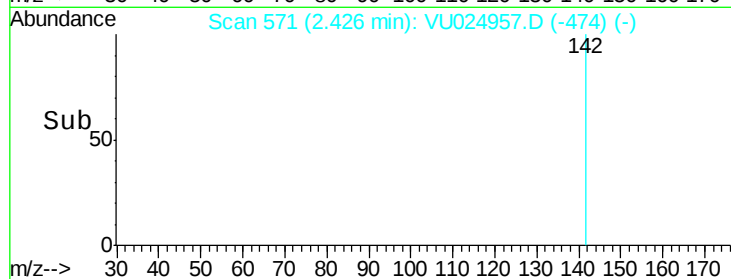
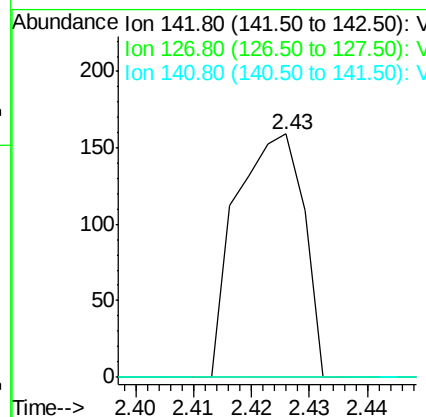
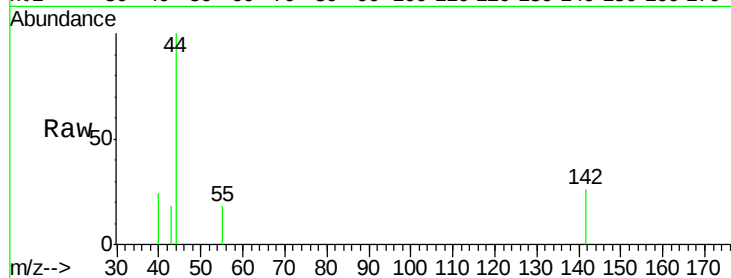




#10
Methyl Iodide
Concen: 5.334 ug/l
RT: 2.43 min Scan# 571
Delta R.T. 0.01 min
Lab File: VU024957.D
Acq: 27 Jun 2018 11:18

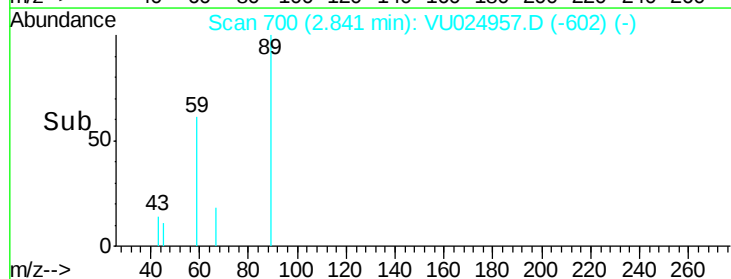
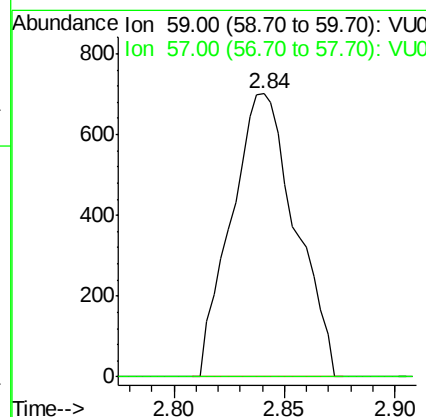
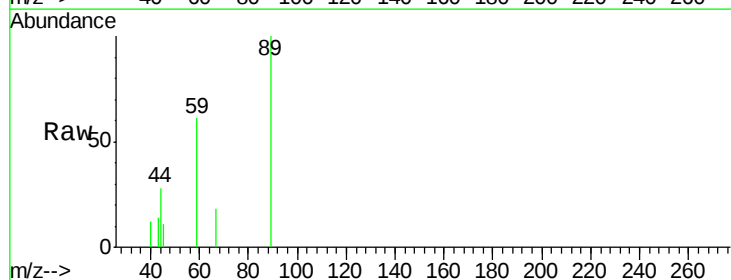
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL03

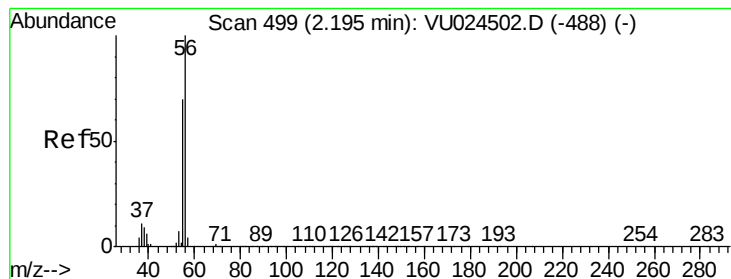
Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.6	53.4#
141	0.0	11.7	17.5#



#11
Tert butyl alcohol
Concen: 1.497 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024957.D
Acq: 27 Jun 2018 11:18

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#





#13

Acrolein

Concen: 0.535 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024957.D

Acq: 27 Jun 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

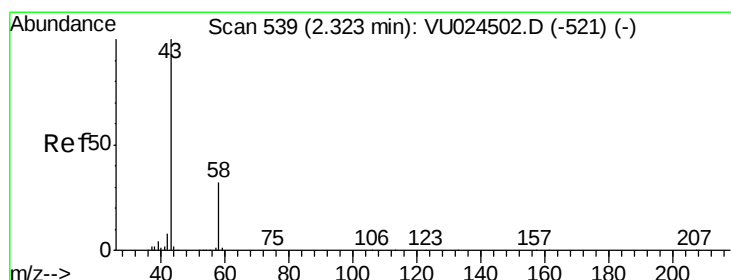
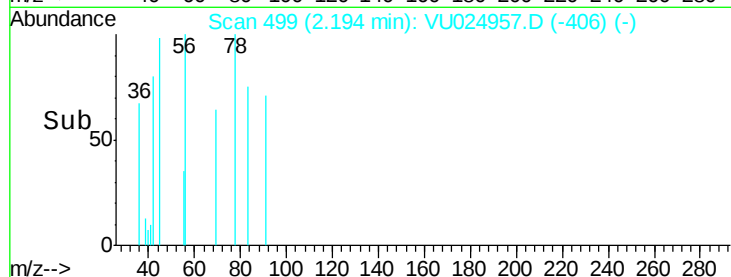
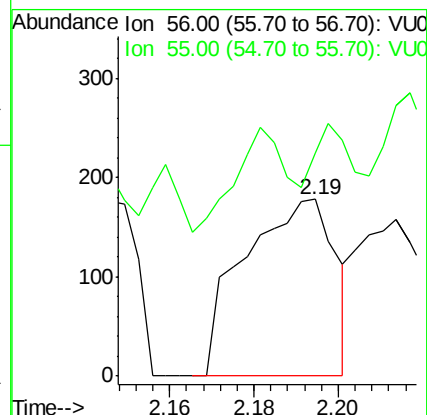
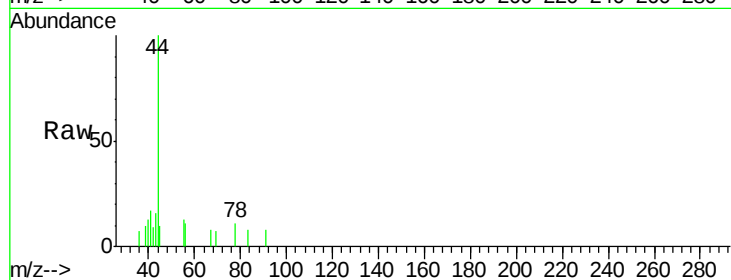
VU0627MBL03

Tgt Ion: 56 Resp: 265

Ion Ratio Lower Upper

56 100

55 33.2 58.4 87.6#



#16

Acetone

Concen: 0.496 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024957.D

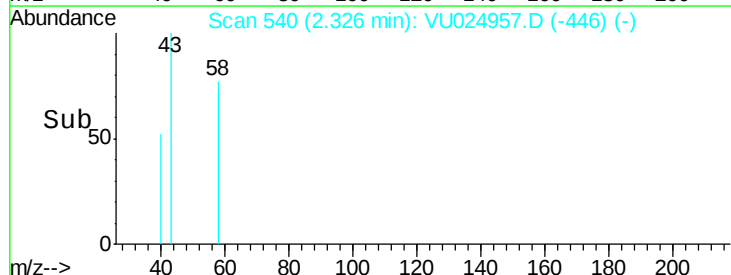
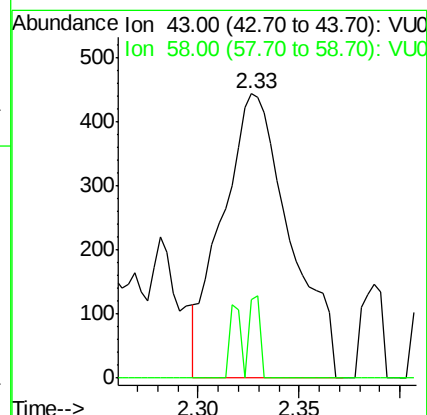
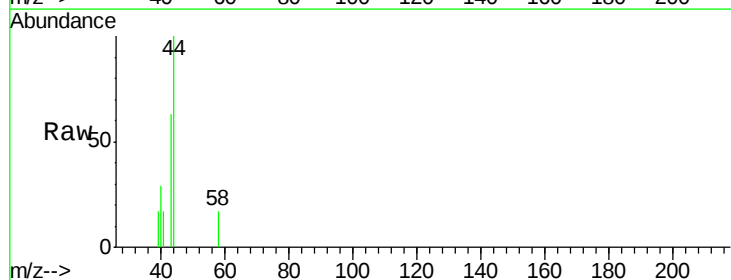
Acq: 27 Jun 2018 11:18

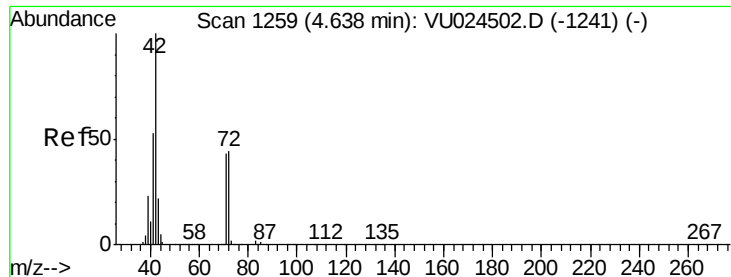
Tgt Ion: 43 Resp: 1033

Ion Ratio Lower Upper

43 100

58 27.3 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.360 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VU024957.D

Acq: 27 Jun 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL03

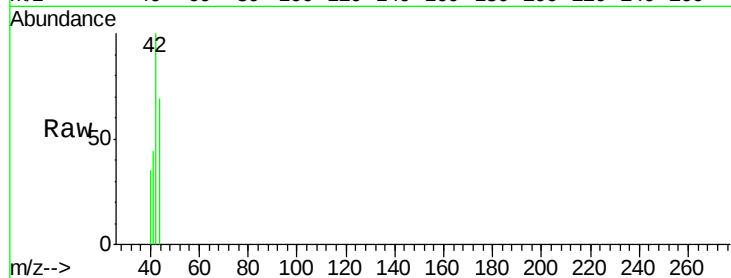
Tgt Ion: 42 Resp: 624

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 11.2 32.2 48.4#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

4.65

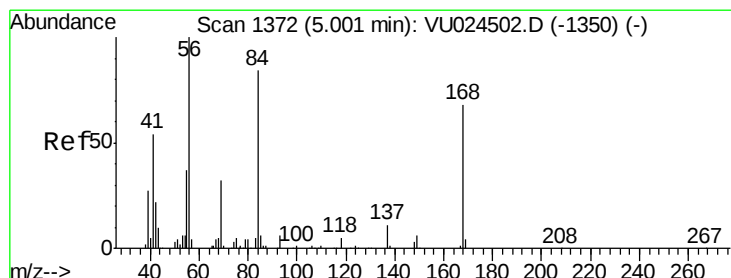
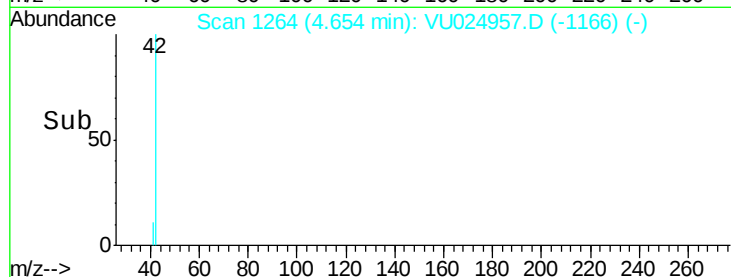
300

200

100

0

Time--> 4.60 4.65 4.70



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU024957.D

Acq: 27 Jun 2018 11:18

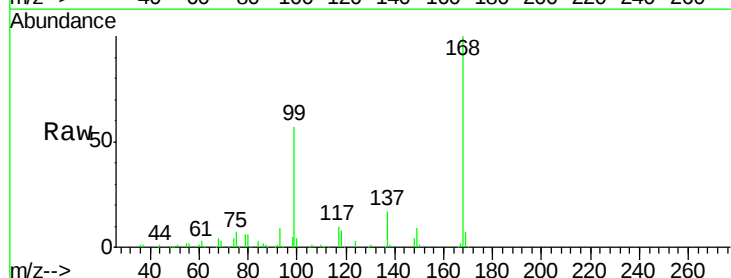
Tgt Ion: 56 Resp: 4874

Ion Ratio Lower Upper

56 100

69 164.8 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

4.99

5000

4000

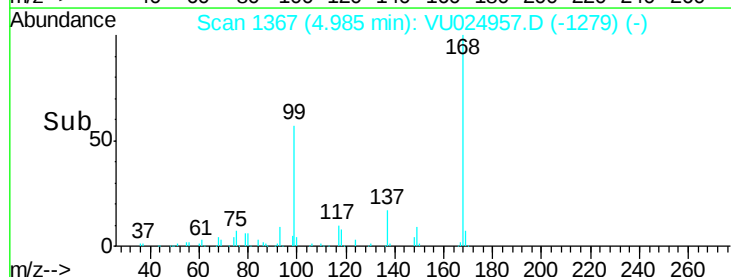
3000

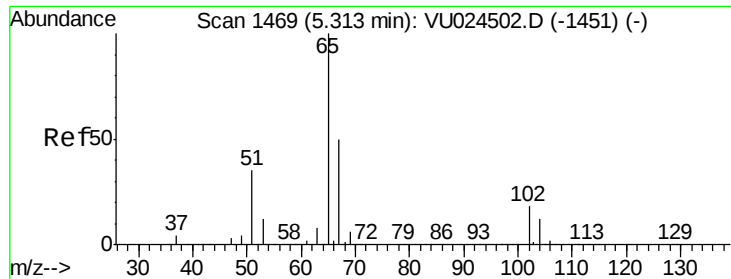
2000

1000

0

Time--> 4.90 4.95 5.00 5.05

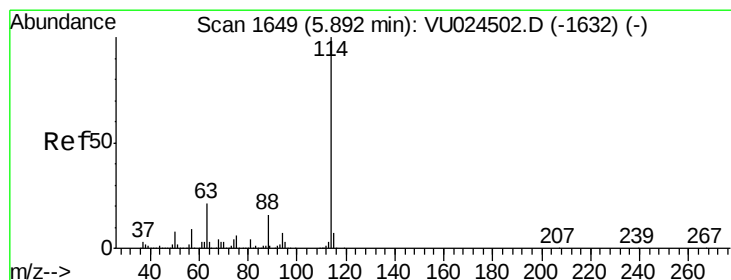
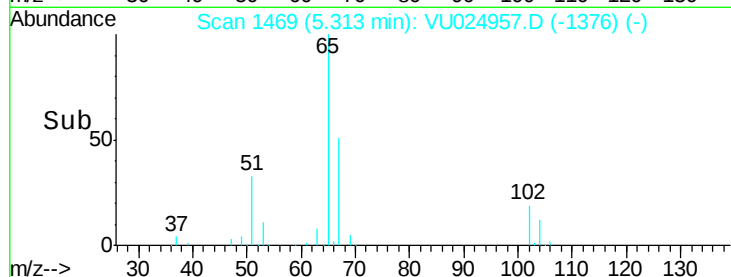
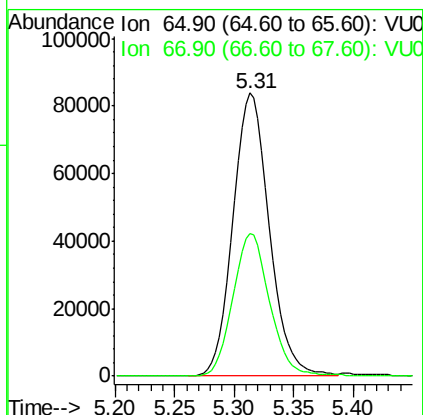
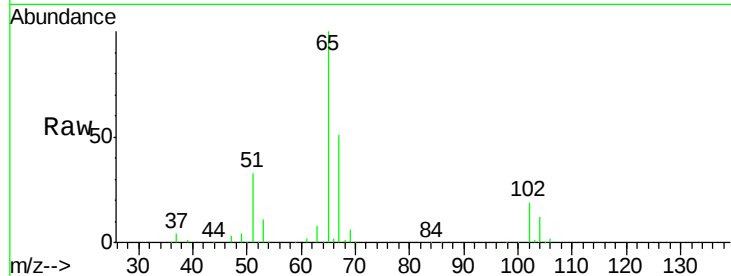




#33
 1,2-Dichloroethane-d4
 Concen: 45.842 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024957.D
 Acq: 27 Jun 2018 11:18

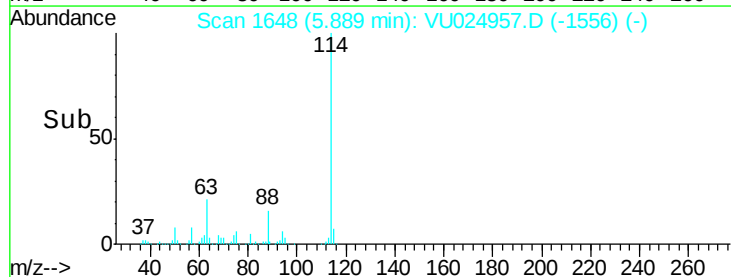
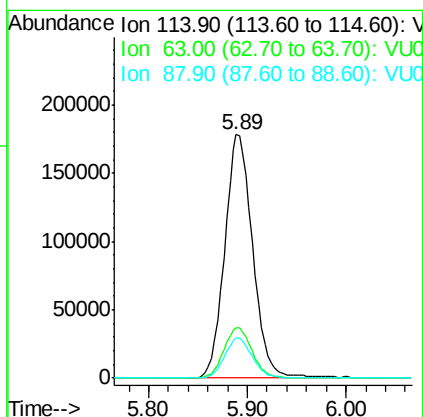
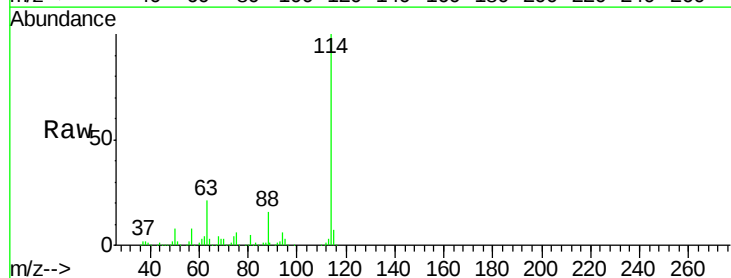
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL03

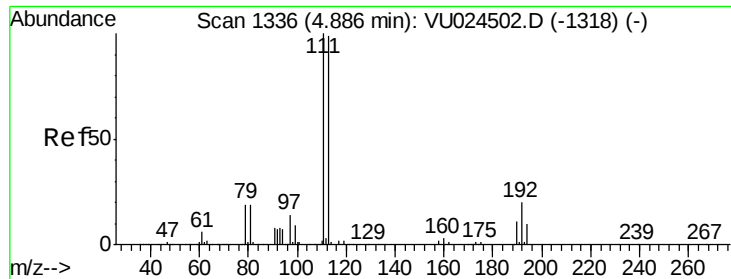
Tgt Ion: 65 Resp: 177730
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024957.D
 Acq: 27 Jun 2018 11:18

Tgt Ion: 114 Resp: 354131
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.4
 88 16.4 0.0 31.0

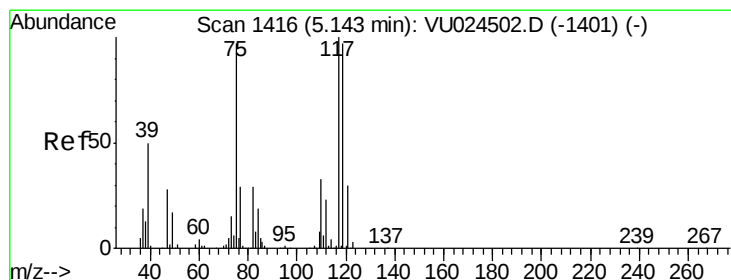
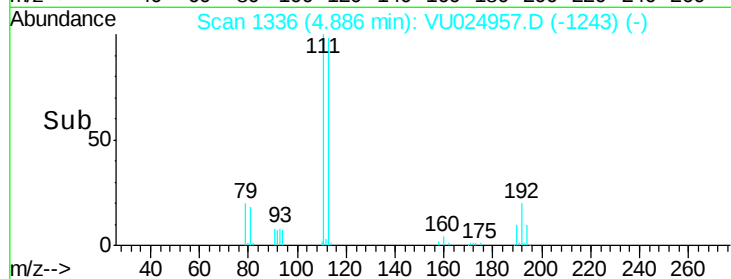
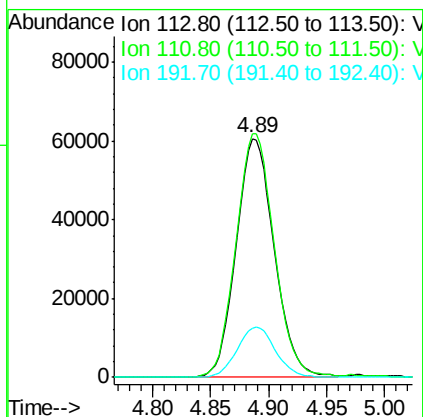
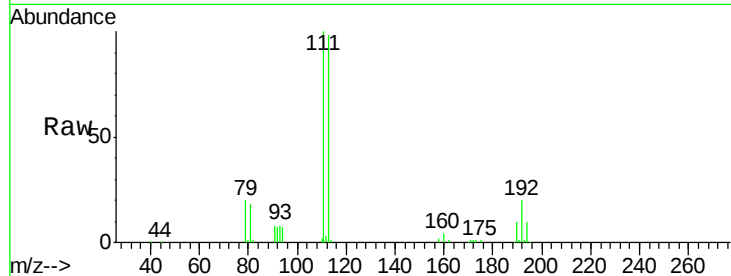




#35
 Dibromofluoromethane
 Concen: 46.993 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024957.D
 Acq: 27 Jun 2018 11:18

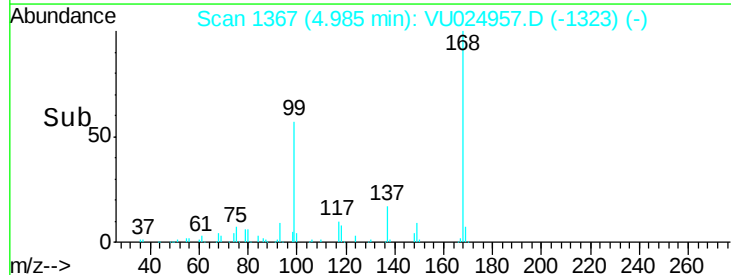
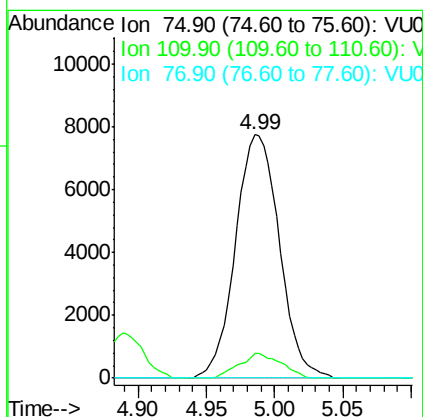
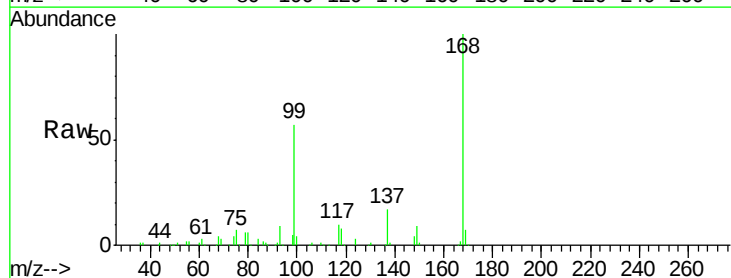
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL03

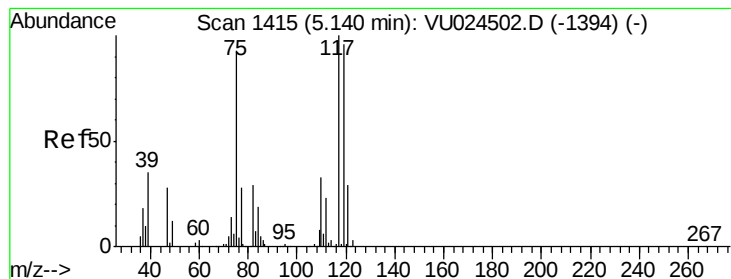
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.3	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.157 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024957.D
 Acq: 27 Jun 2018 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.940 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024957.D

Acq: 27 Jun 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL03

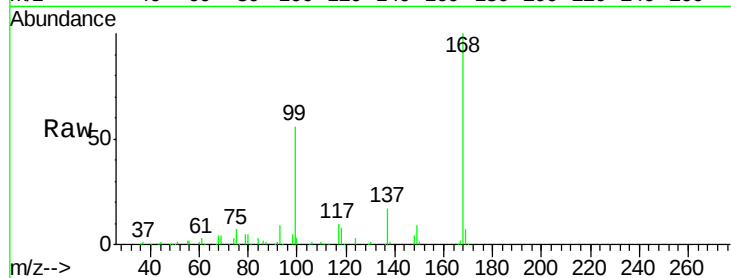
Tgt Ion:117 Resp: 22607

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

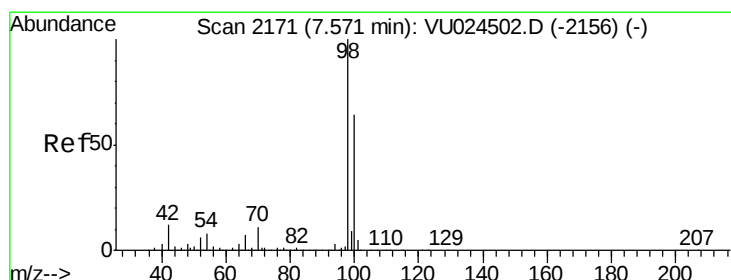
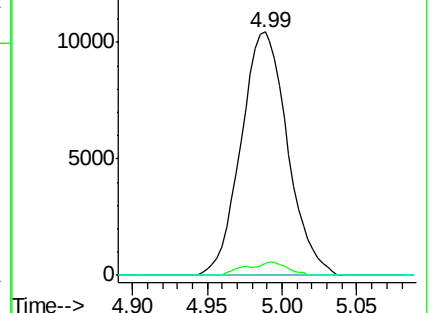
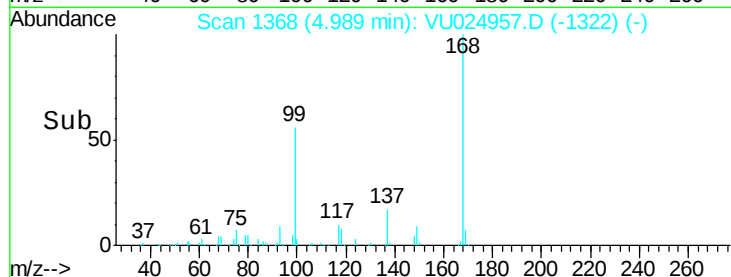
121 0.0 23.7 35.5#



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: 47.631 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024957.D

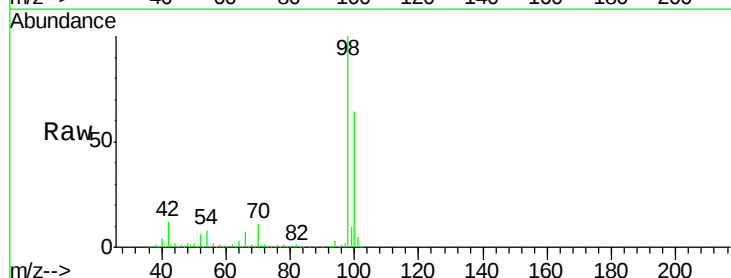
Acq: 27 Jun 2018 11:18

Tgt Ion: 98 Resp: 510624

Ion Ratio Lower Upper

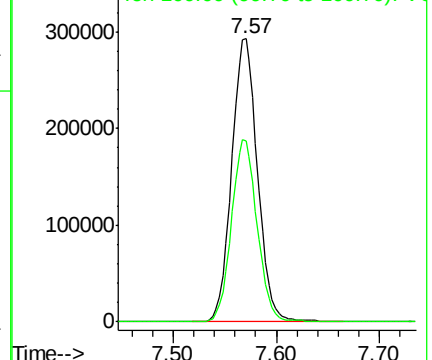
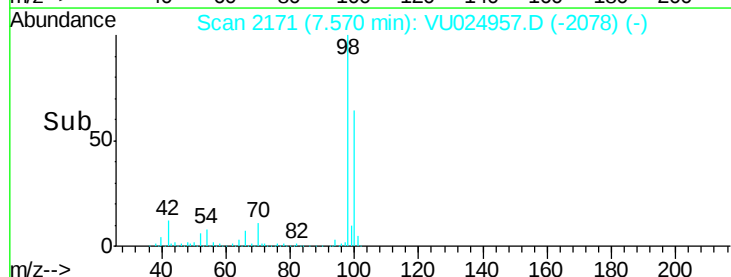
98 100

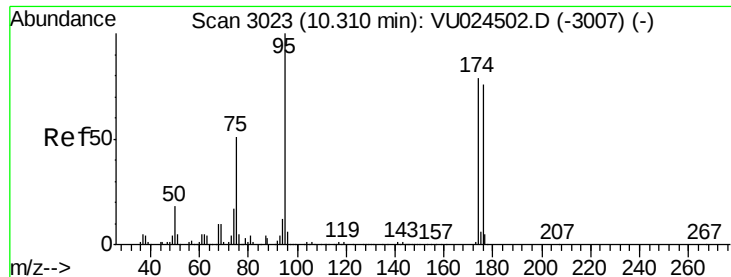
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.618 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024957.D

Acq: 27 Jun 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL03

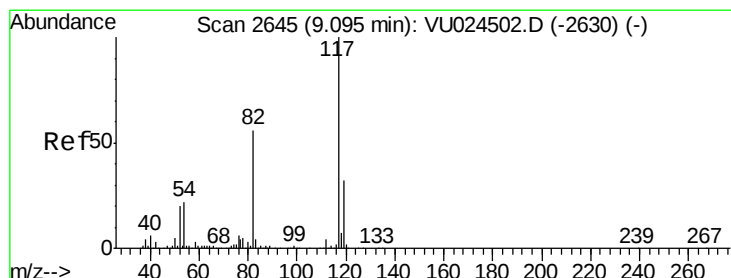
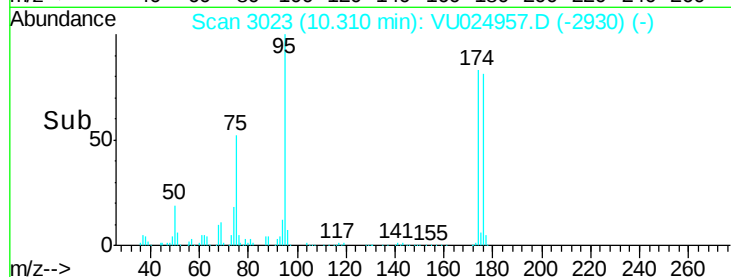
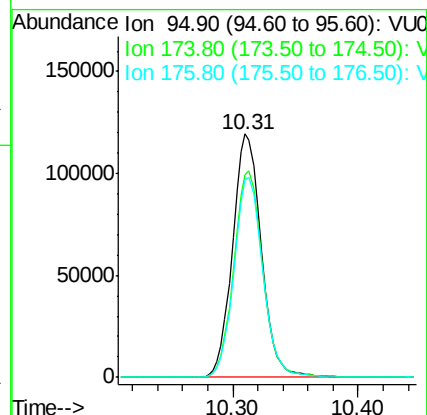
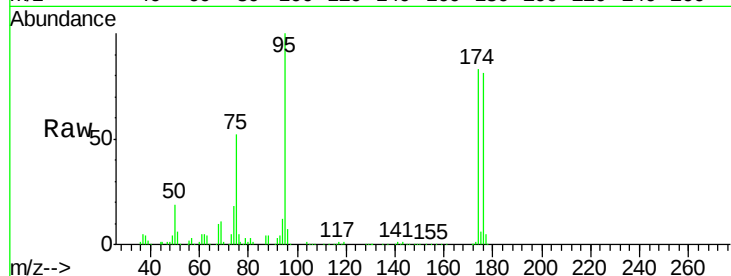
Tgt Ion: 95 Resp: 189914

Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.8

176 82.7 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: VU024957.D

Acq: 27 Jun 2018 11:18

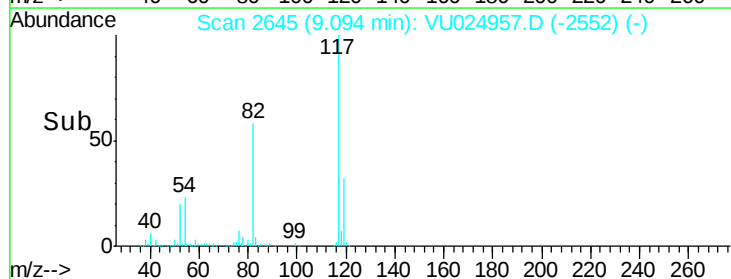
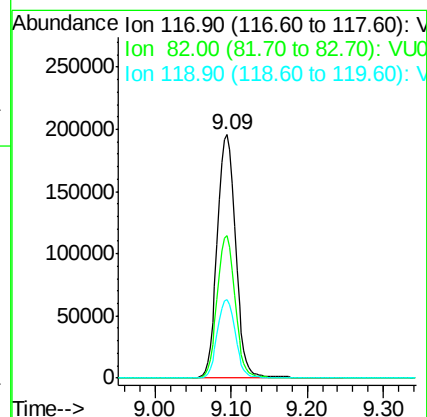
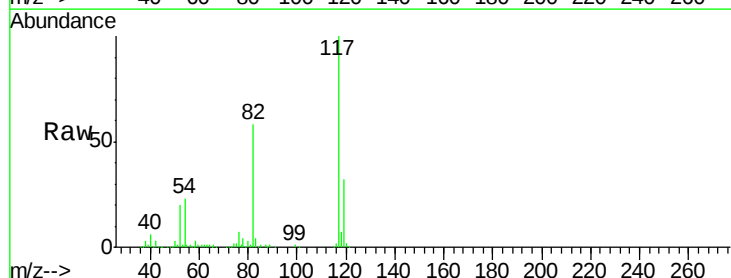
Tgt Ion: 117 Resp: 328700

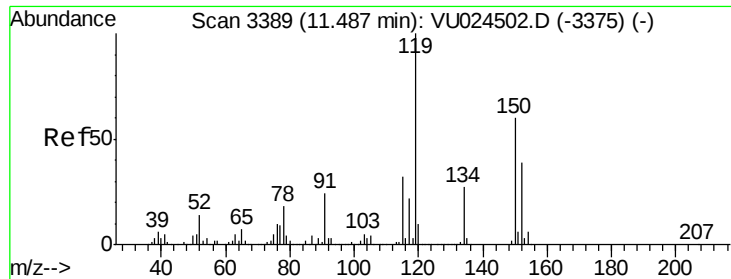
Ion Ratio Lower Upper

117 100

82 58.3 44.3 66.5

119 32.5 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: VU024957.D

Acq: 27 Jun 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL03

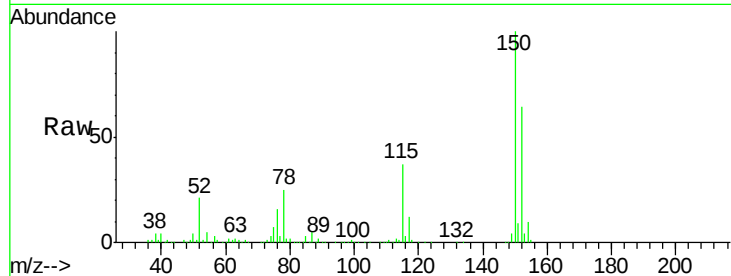
Tgt Ion:152 Resp: 178820

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

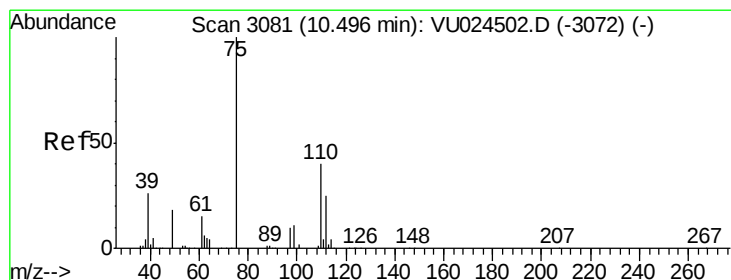
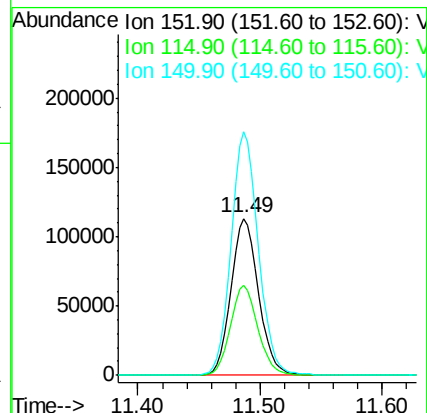
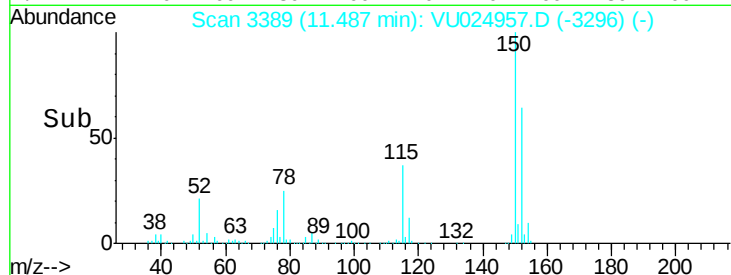
150 154.0 0.0 354.0



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: 24.954 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024957.D

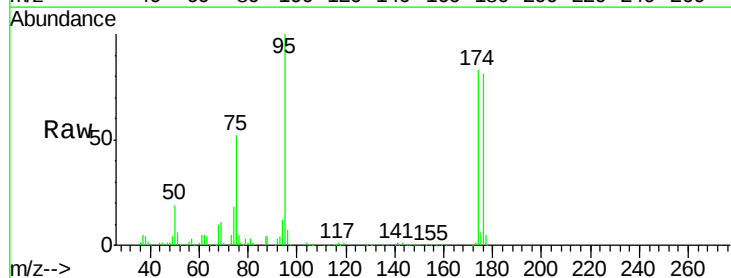
Acq: 27 Jun 2018 11:18

Tgt Ion: 75 Resp: 98242

Ion Ratio Lower Upper

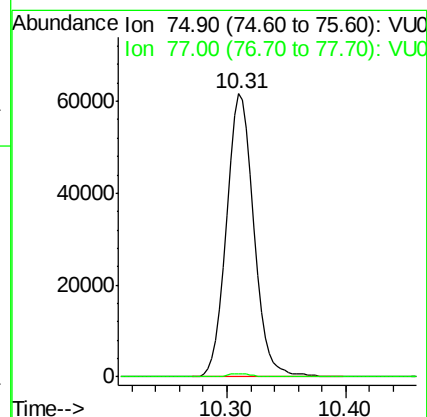
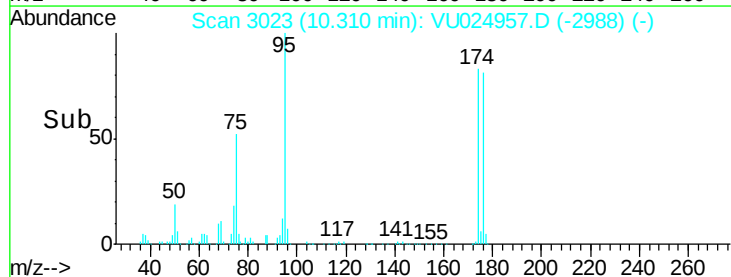
75 100

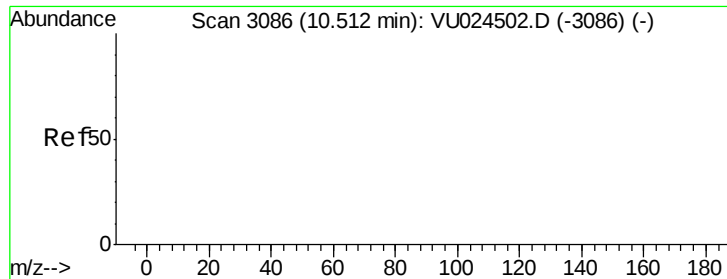
77 1.1 20.9 62.7#



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: 57.753 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024957.D

Acq: 27 Jun 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL03

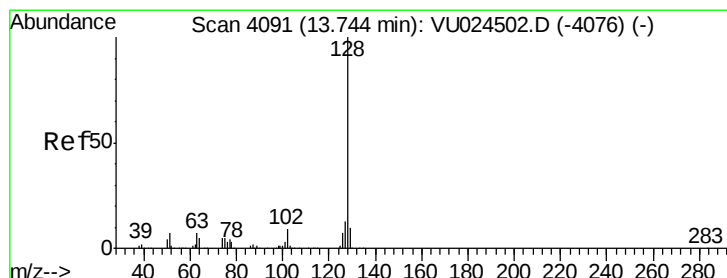
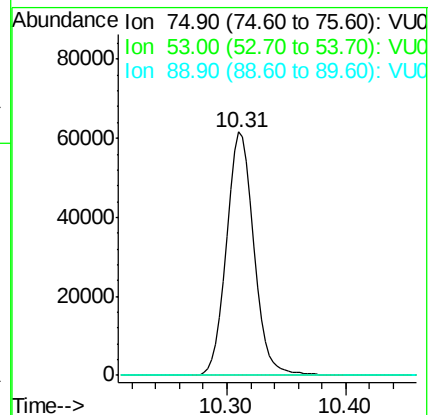
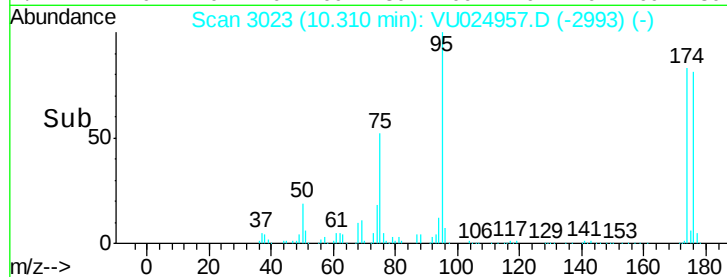
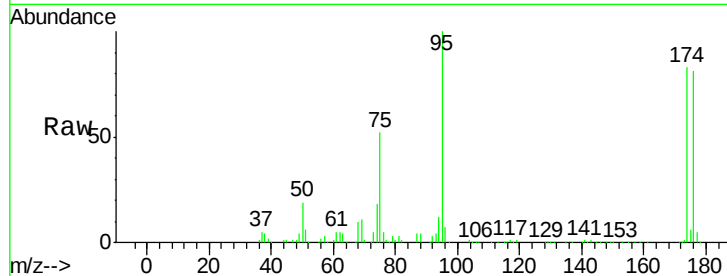
Tgt Ion: 75 Resp: 98242

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#95

Naphthalene

Concen: 0.854 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU024957.D

Acq: 27 Jun 2018 11:18

Tgt Ion: 128 Resp: 2324

Ion Ratio Lower Upper

128 100

127 5.9 10.6 16.0#

129 0.0 8.6 12.8#

