

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024956.D
 Acq On : 27 Jun 2018 10:54
 Operator : MD/SY
 Sample : VU0627WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627WBL02

Quant Time: Jun 28 02:23:07 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

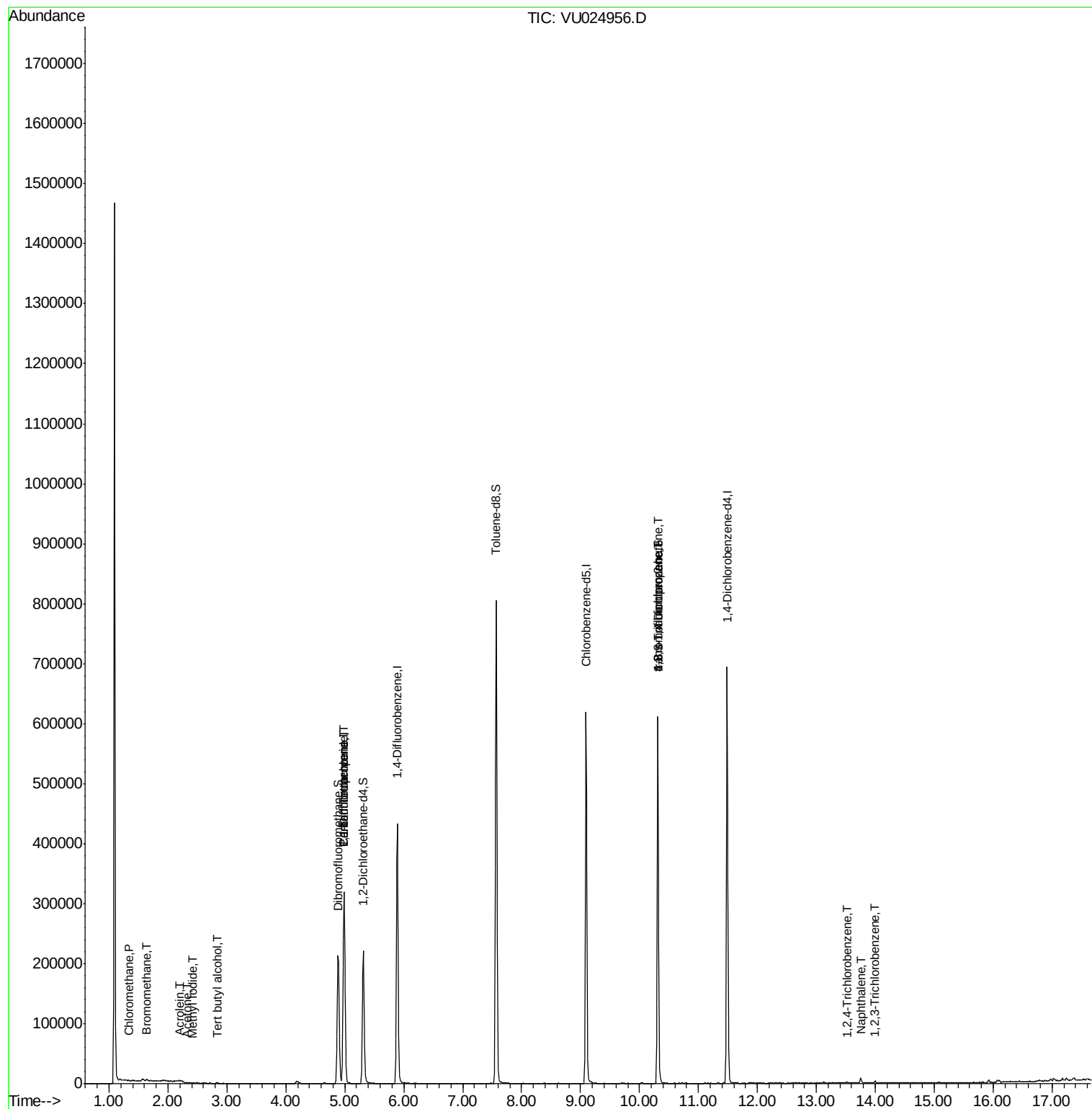
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	252119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	370035	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	341128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	185303	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	183608	44.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.22%	
35) Dibromofluoromethane	4.89	113	146633	47.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.50%	
50) Toluene-d8	7.57	98	536945	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	10.31	95	198685	44.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.34%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1004	0.311	ug/l	96
5) Bromomethane	1.63	94	651	0.405	ug/l	97
6) Chloroethane	1.64	64	43	Below Cal	#	43
10) Methyl Iodide	2.42	142	278	5.382	ug/l #	59
11) Tert butyl alcohol	2.84	59	767	0.766	ug/l #	72
13) Acrolein	2.19	56	162	0.308	ug/l #	1
16) Acetone	2.33	43	489	0.221	ug/l #	82
31) Cyclohexane	4.99	56	5152	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	18215	4.189	ug/l #	50
38) Carbon Tetrachloride	4.99	117	24744	5.175	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	101616	24.908	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	101616	57.647	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	966	0.235	ug/l	92
95) Naphthalene	13.75	128	8155	1.270	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	1594	0.389	ug/l	88

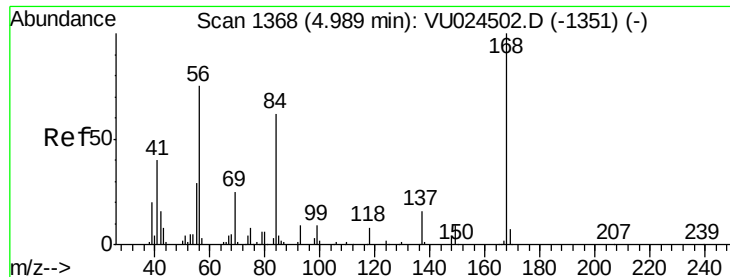
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024956.D

Acq: 27 Jun 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

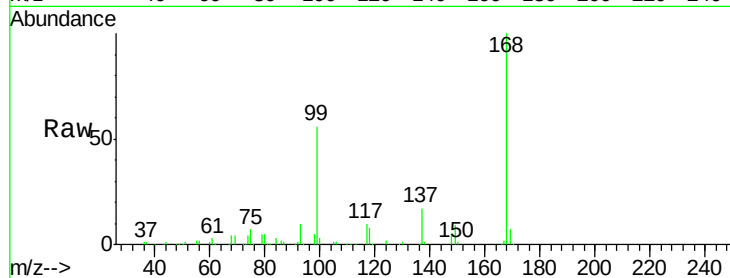
VU0627WBL02

Tgt Ion:168 Resp: 252119

Ion Ratio Lower Upper

168 100

99 56.3 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024956.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024956.D (-1351) (-)

4.99

120000

100000

80000

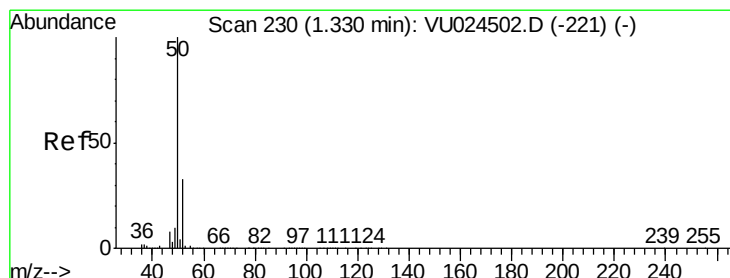
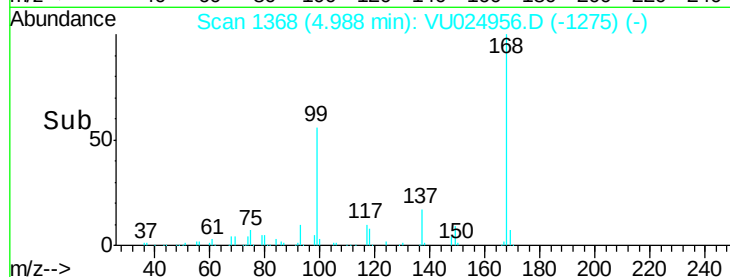
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.311 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024956.D

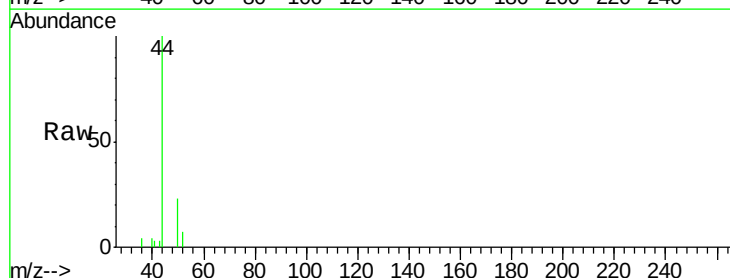
Acq: 27 Jun 2018 10:54

Tgt Ion: 50 Resp: 1004

Ion Ratio Lower Upper

50 100

52 30.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024956.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024956.D (-137) (-)

1.33

1000

800

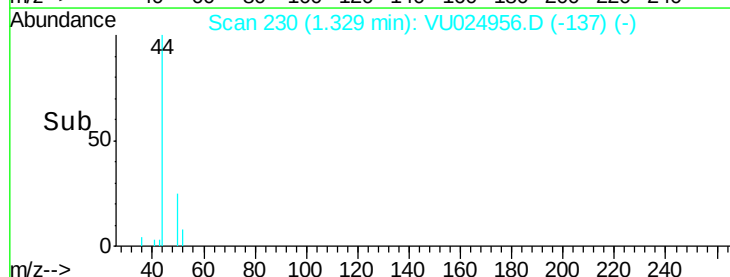
600

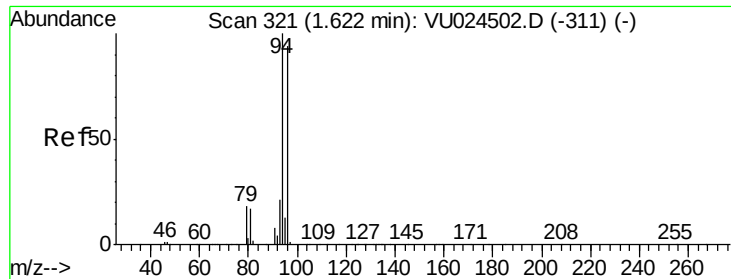
400

200

0

Time-->





#5

Bromomethane

Concen: 0.405 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024956.D

Acq: 27 Jun 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

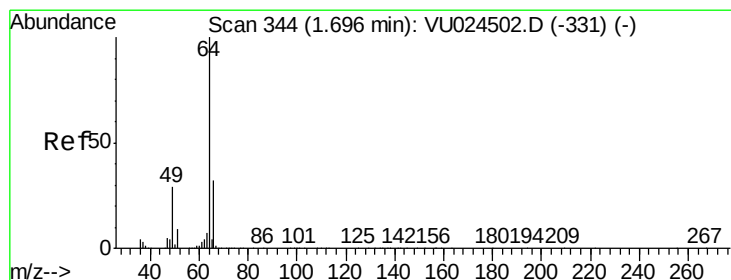
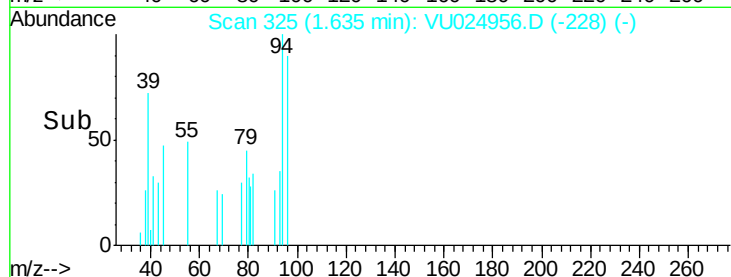
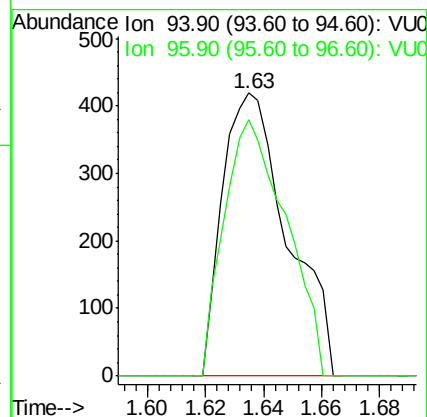
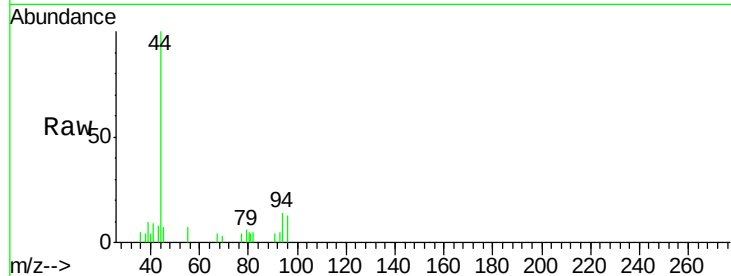
VU0627WBL02

Tgt Ion: 94 Resp: 651

Ion Ratio Lower Upper

94 100

96 90.5 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.64 min Scan# 327

Delta R.T. -0.05 min

Lab File: VU024956.D

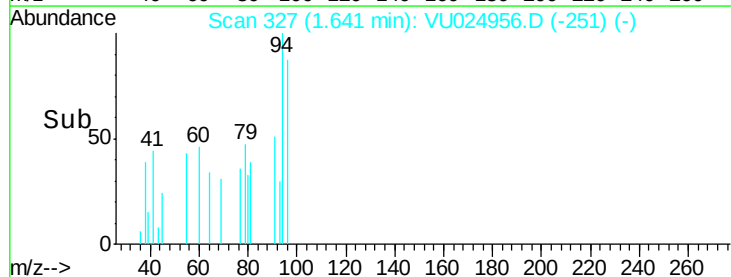
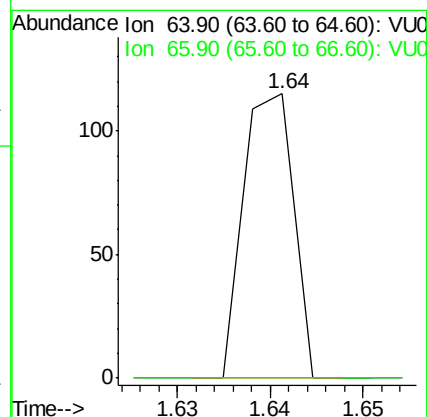
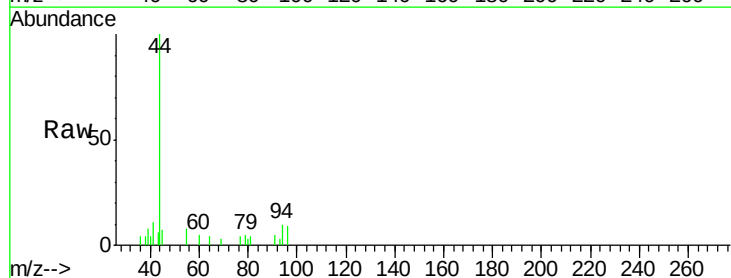
Acq: 27 Jun 2018 10:54

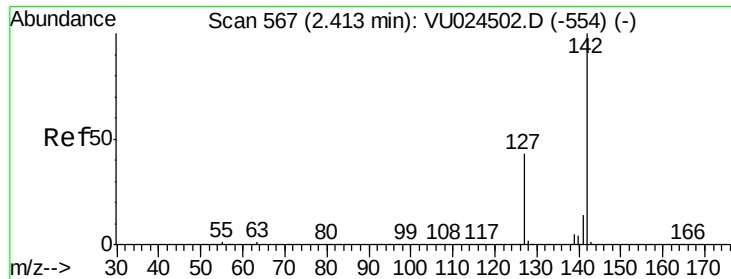
Tgt Ion: 64 Resp: 43

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

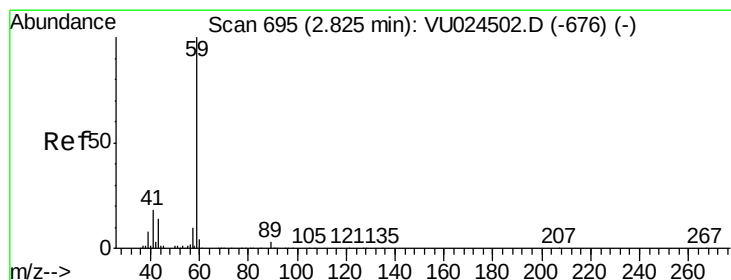
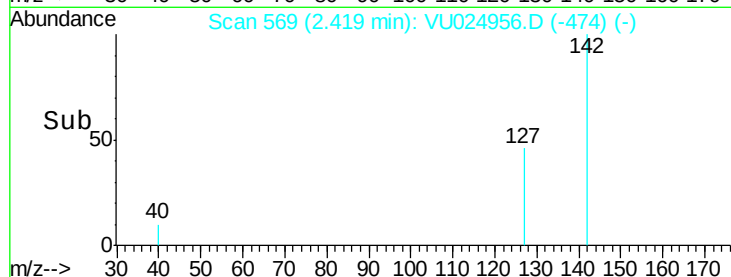
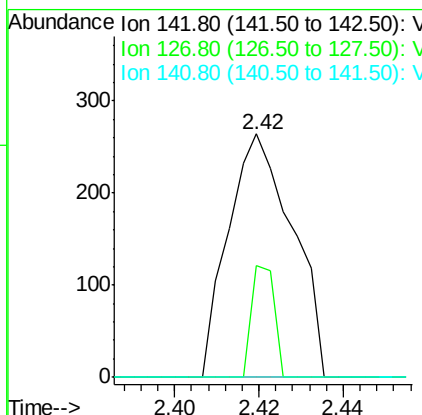
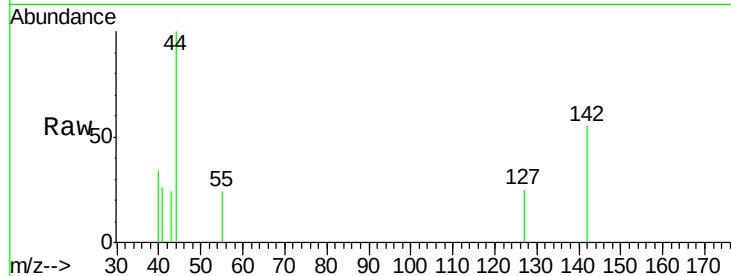




#10
Methyl Iodide
Concen: 5.382 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU024956.D
Acq: 27 Jun 2018 10:54

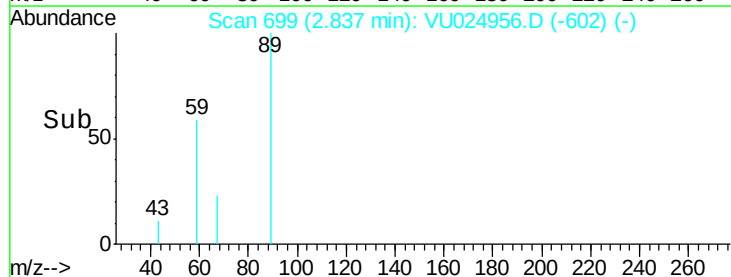
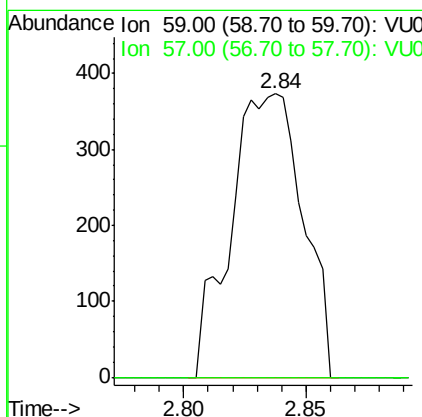
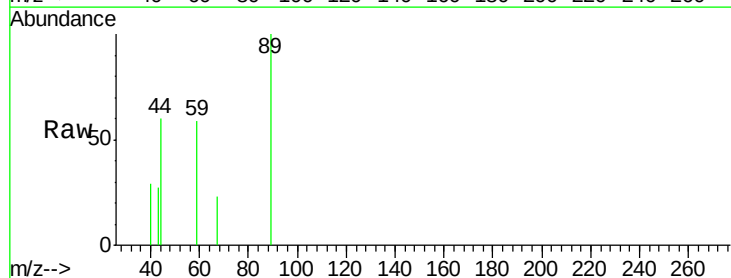
Instrument :
MSVOA_U
ClientSampleId :
VU0627WBL02

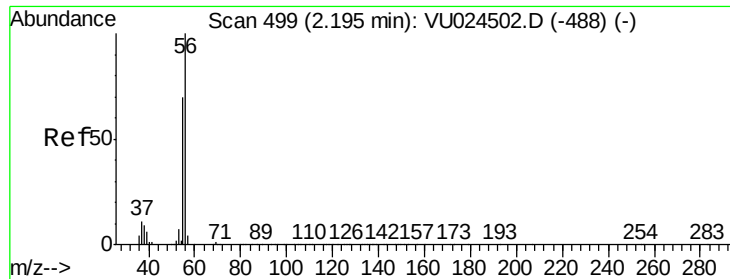
Tgt Ion:142 Resp: 278
Ion Ratio Lower Upper
142 100
127 16.5 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.766 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU024956.D
Acq: 27 Jun 2018 10:54

Tgt Ion: 59 Resp: 767
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.308 ug/l

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU024956.D

Acq: 27 Jun 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

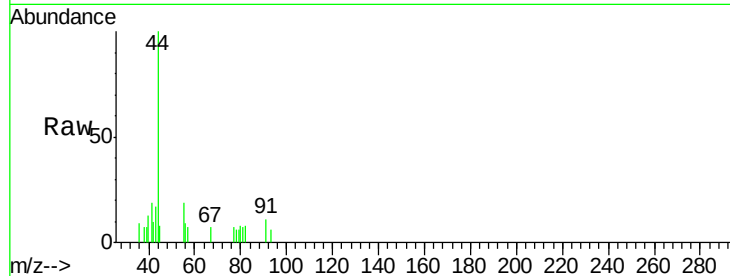
VU0627WBL02

Tgt Ion: 56 Resp: 162

Ion Ratio Lower Upper

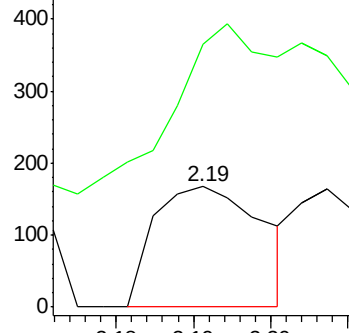
56 100

55 390.1 58.4 87.6#

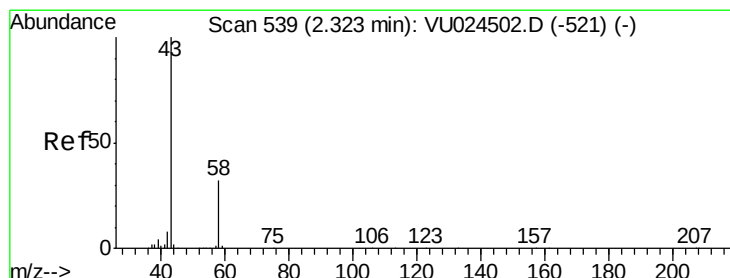
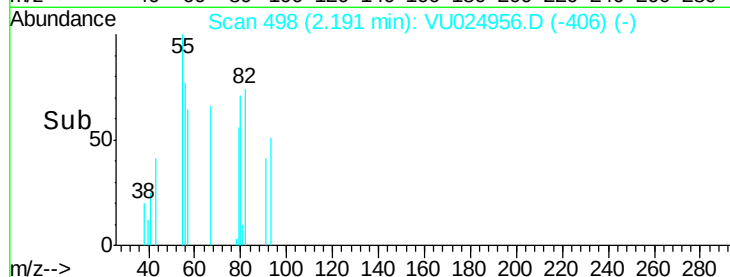


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#16

Acetone

Concen: 0.221 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024956.D

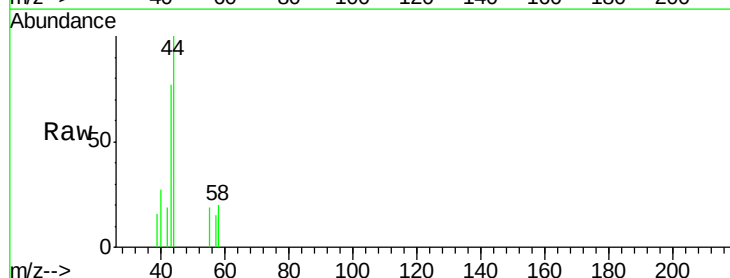
Acq: 27 Jun 2018 10:54

Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

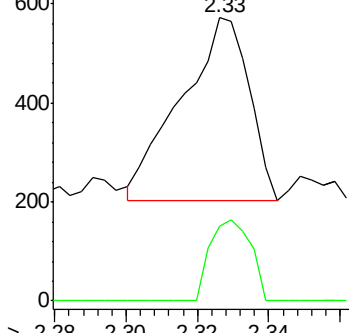
43 100

58 40.5 24.4 36.6#

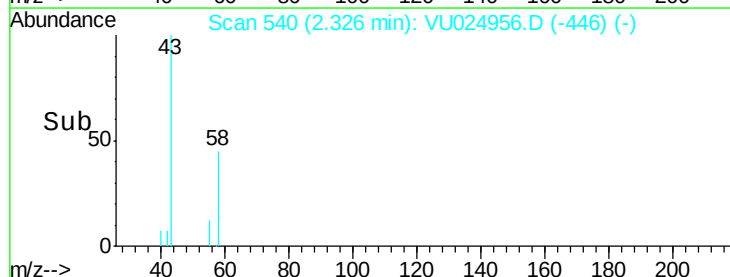


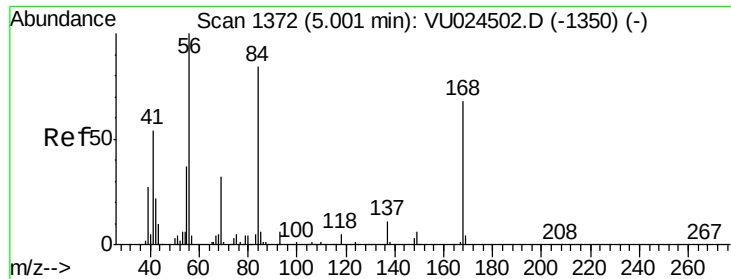
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->

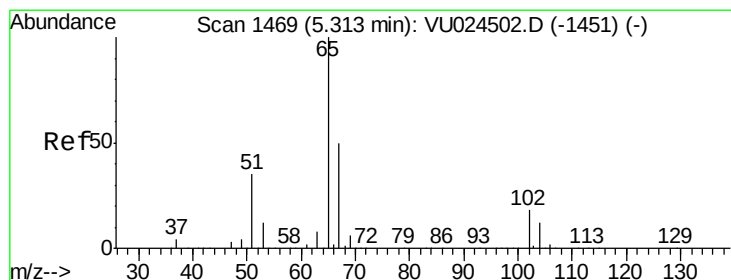
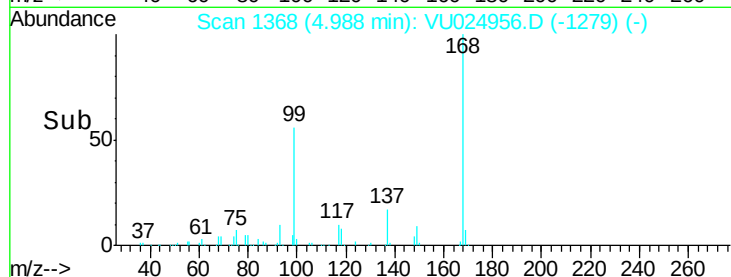
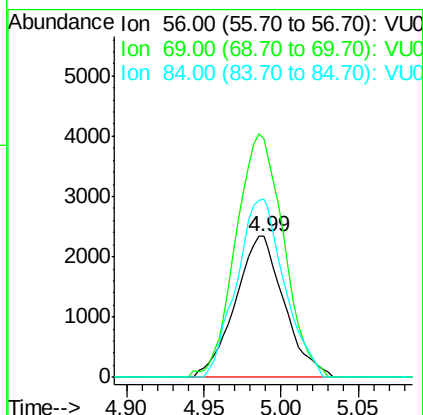
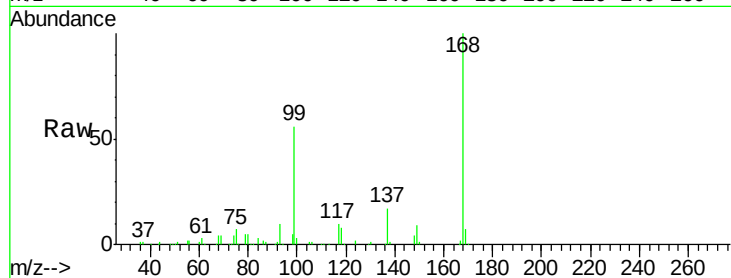




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024956.D
Acq: 27 Jun 2018 10:54

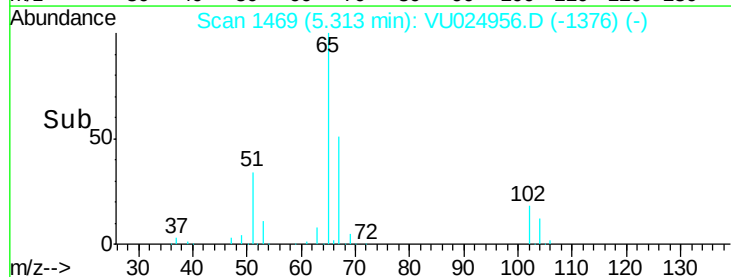
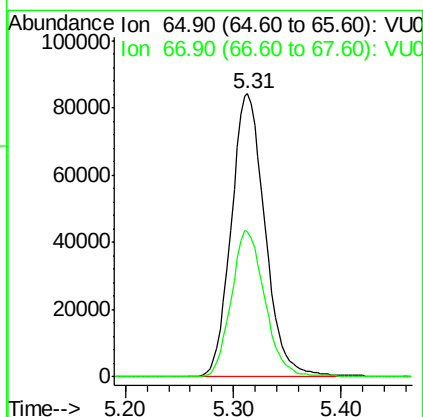
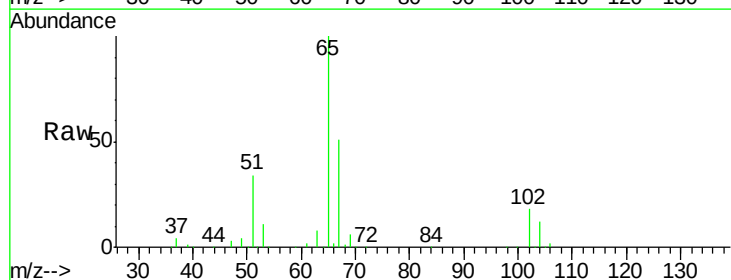
Instrument :
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VU0627WBL02

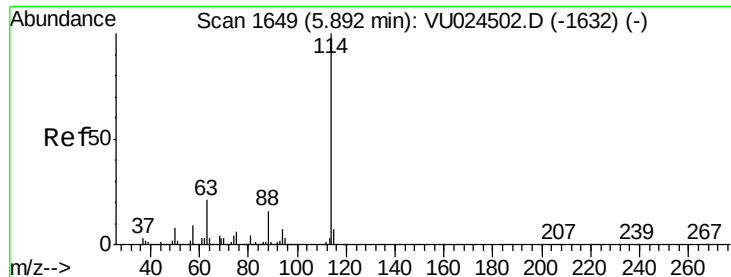
Tgt Ion: 56 Resp: 5152
Ion Ratio Lower Upper
56 100
69 169.0 24.8 37.2#
84 126.5 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 44.610 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024956.D
Acq: 27 Jun 2018 10:54

Tgt Ion: 65 Resp: 183608
Ion Ratio Lower Upper
65 100
67 51.3 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: VU024956.D

Acq: 27 Jun 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

VU0627WBL02

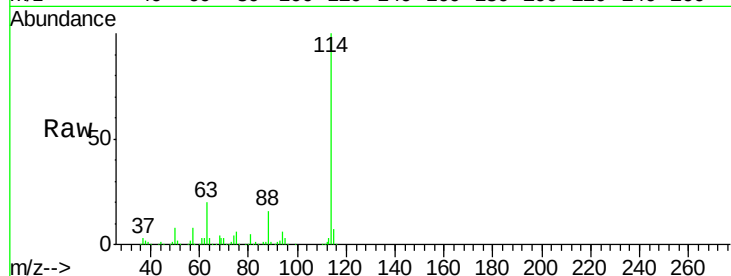
Tgt Ion:114 Resp: 370035

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.4

88 16.0 0.0 31.0



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

250000

200000

150000

100000

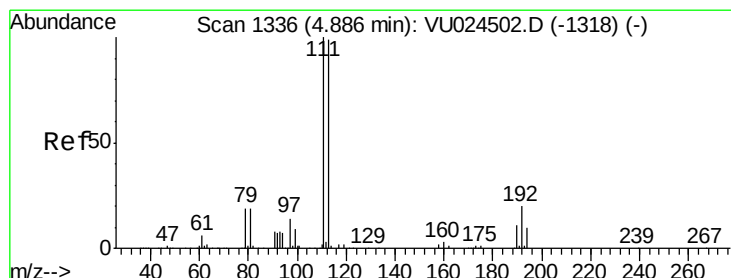
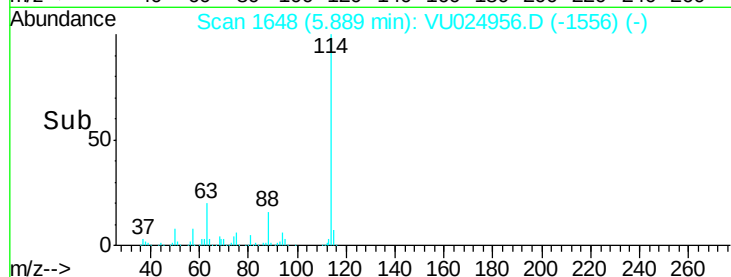
50000

0

5.89

5.80 5.85 5.90 5.95 6.00

Time-->



#35

Dibromofluoromethane

Concen: 47.748 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024956.D

Acq: 27 Jun 2018 10:54

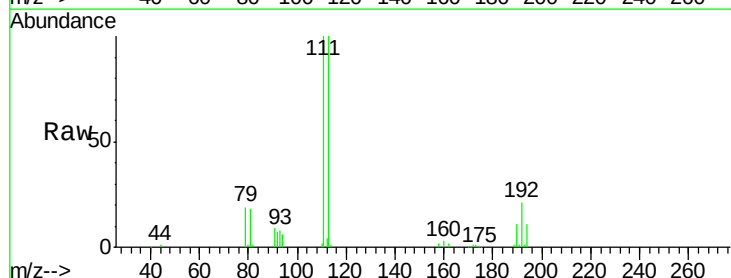
Tgt Ion:113 Resp: 146633

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 21.1 16.2 24.4



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

80000

60000

40000

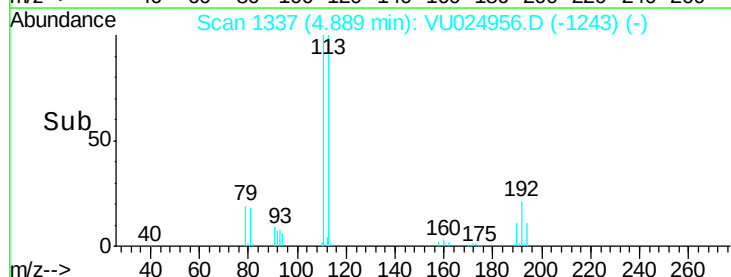
20000

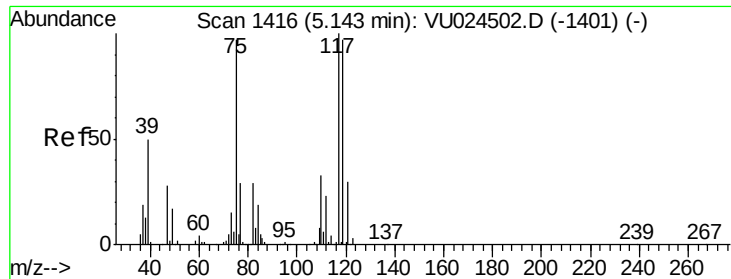
0

4.89

4.80 4.85 4.90 4.95 5.00

Time-->

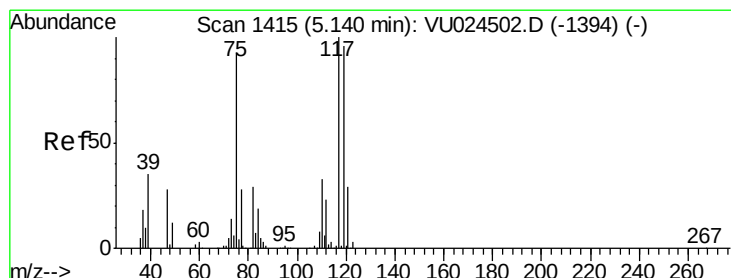
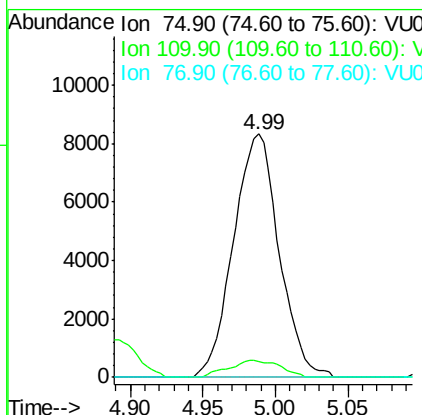
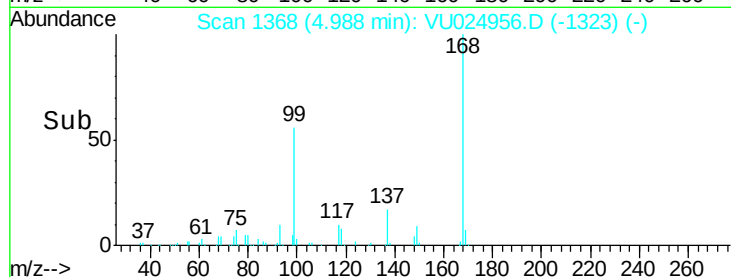
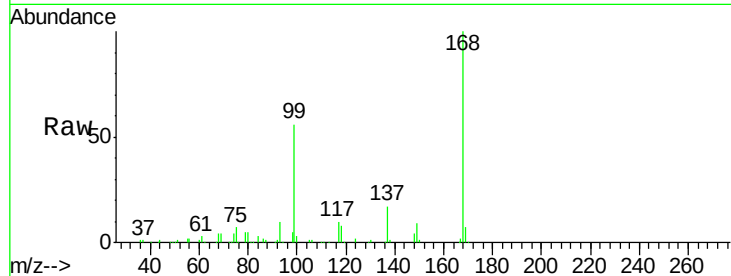




#36
 1,1-Dichloropropene
 Concen: 4.189 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024956.D
 Acq: 27 Jun 2018 10:54

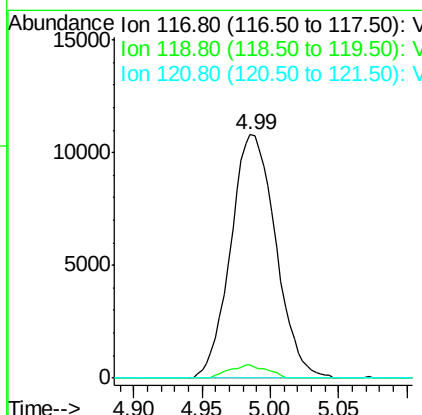
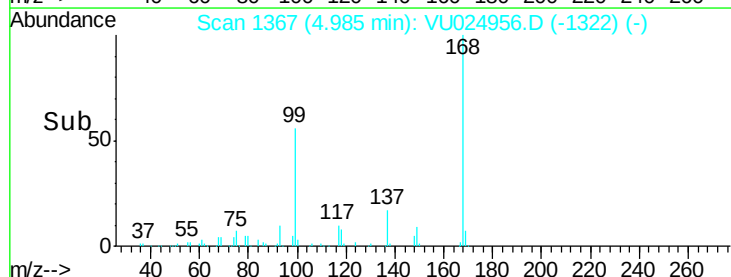
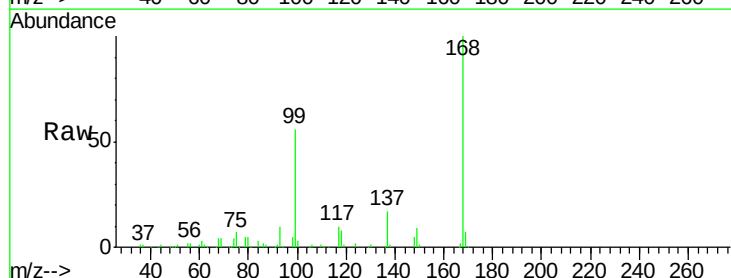
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627WBL02

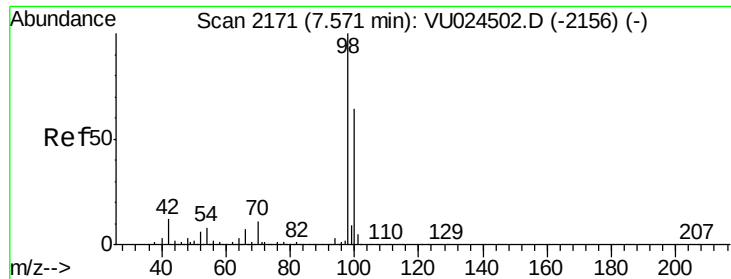
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.175 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU024956.D
 Acq: 27 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.1	114.1#
121	0.0	23.7	35.5#

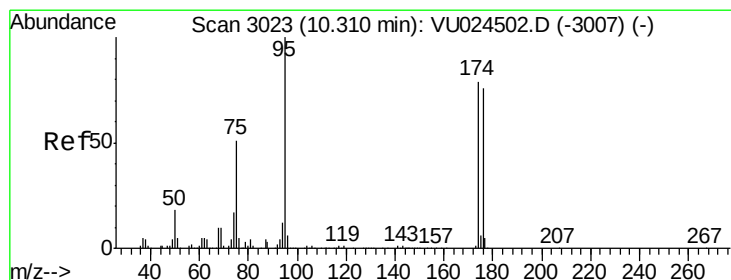
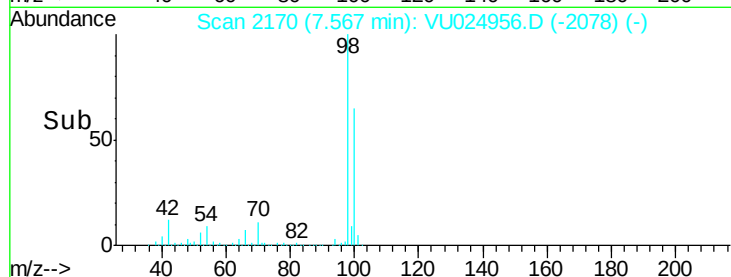
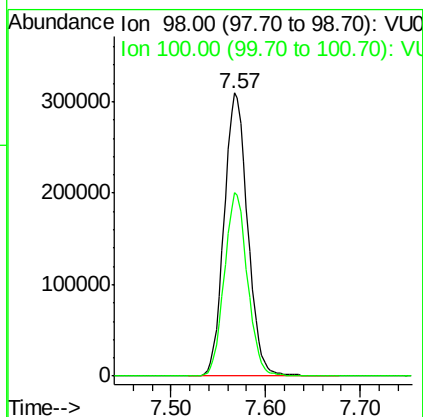
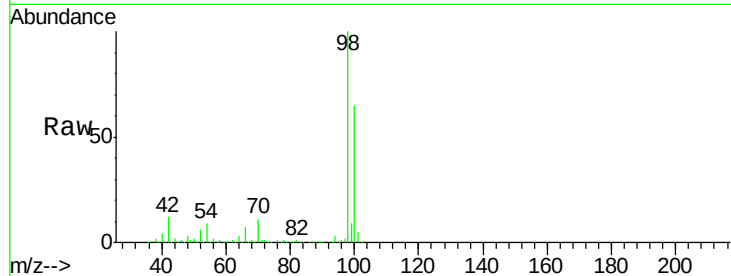




#50
Toluene-d8
Concen: 47.934 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024956.D
Acq: 27 Jun 2018 10:54

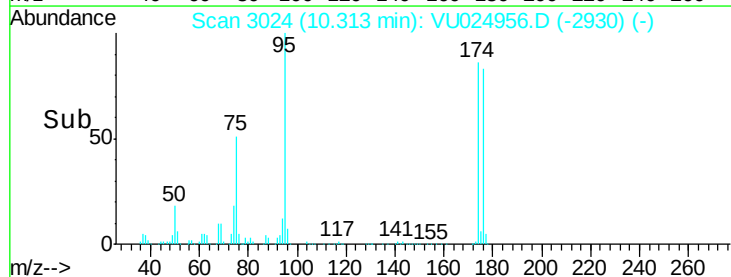
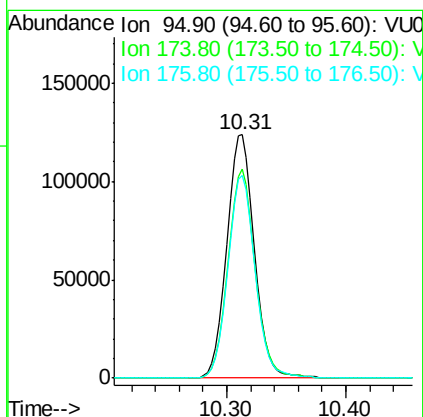
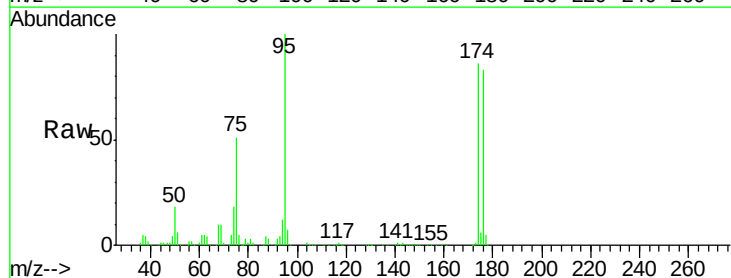
Instrument :
MSVOA_U
ClientSampleId :
VU0627WBL02

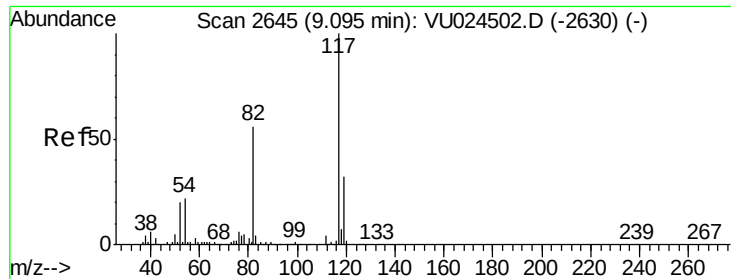
Tgt Ion: 98 Resp: 536945
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.673 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU024956.D
Acq: 27 Jun 2018 10:54

Tgt Ion: 95 Resp: 198685
Ion Ratio Lower Upper
95 100
174 84.6 0.0 165.8
176 82.5 0.0 159.4

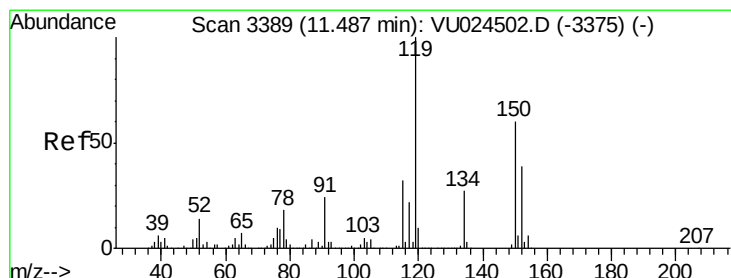
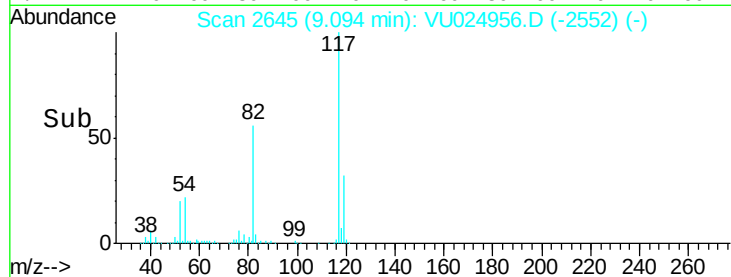
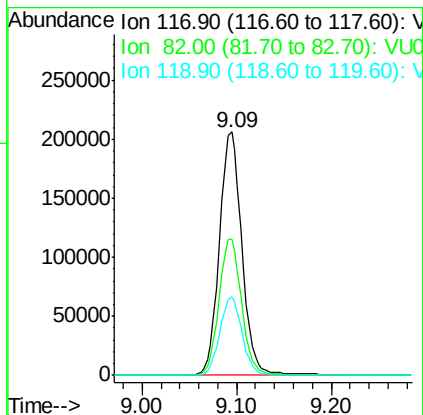
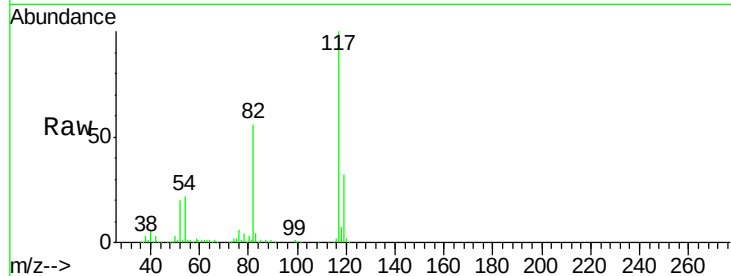




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024956.D
Acq: 27 Jun 2018 10:54

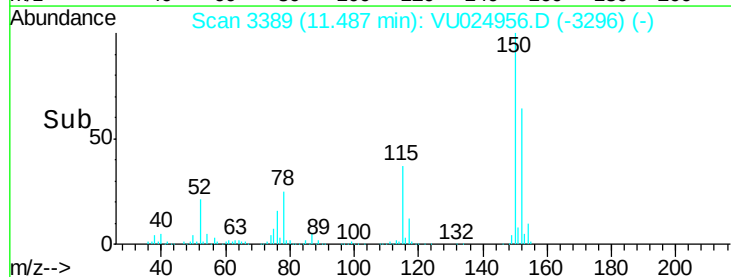
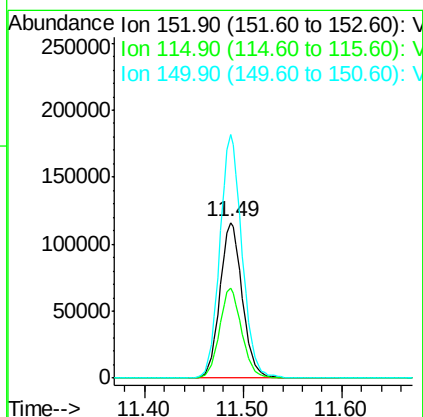
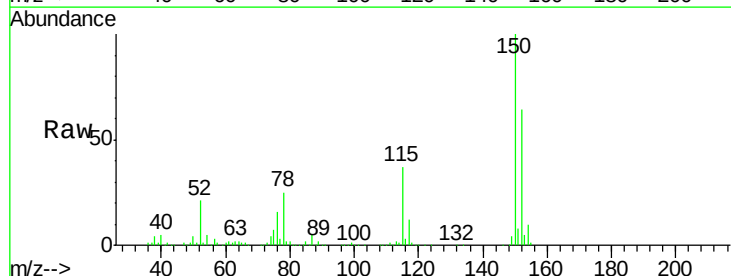
Instrument :
MSVOA_U
ClientSampleId :
VU0627WBL02

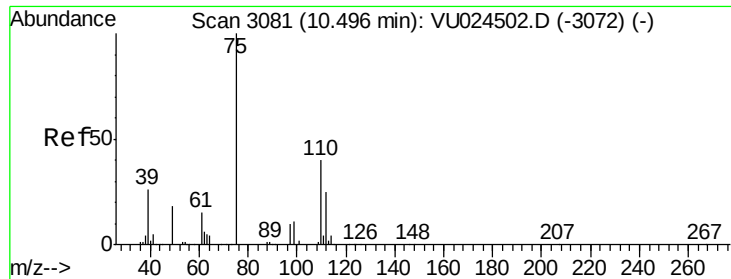
Tgt Ion:117 Resp: 341128
Ion Ratio Lower Upper
117 100
82 55.9 44.3 66.5
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024956.D
Acq: 27 Jun 2018 10:54

Tgt Ion:152 Resp: 185303
Ion Ratio Lower Upper
152 100
115 57.2 43.0 129.0
150 155.2 0.0 354.0

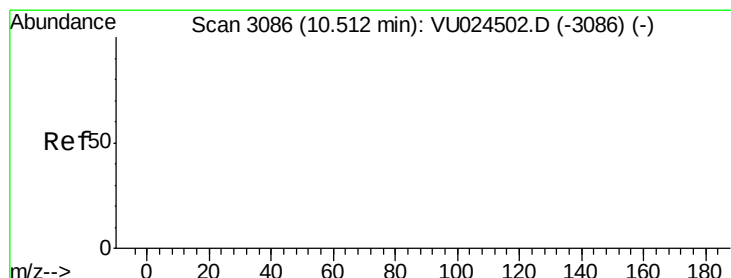
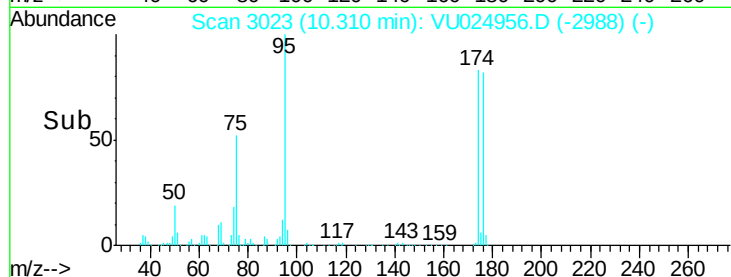
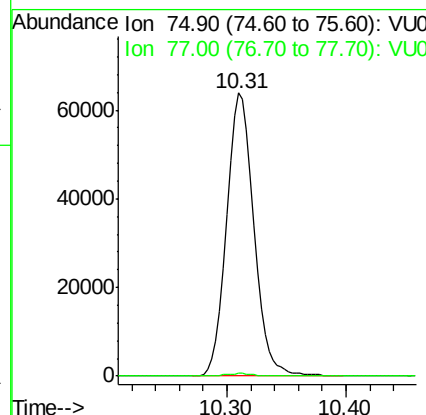
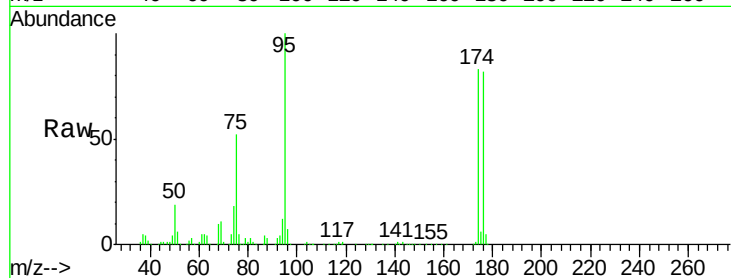




#76
 1,2,3-Trichloropropane
 Concen: 24.908 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024956.D
 Acq: 27 Jun 2018 10:54

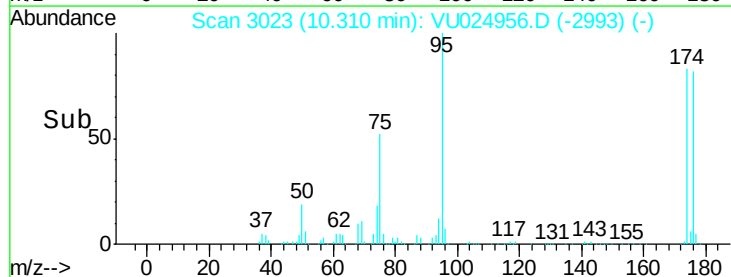
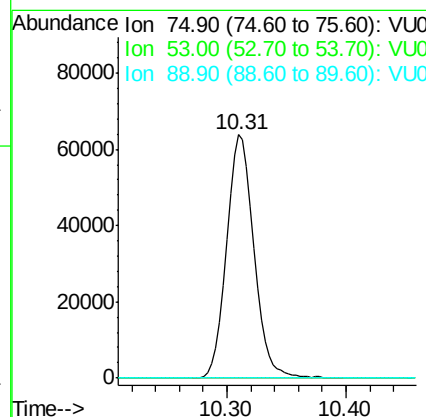
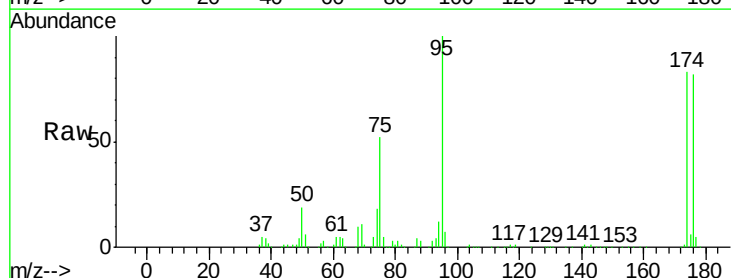
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627WBL02

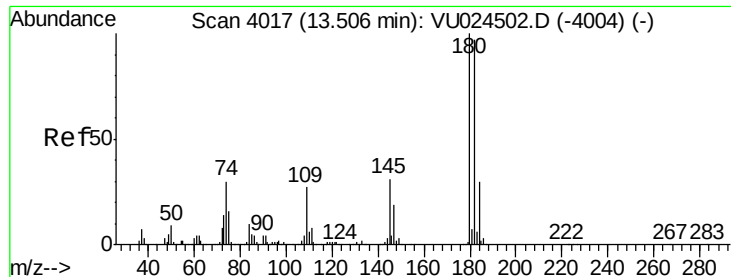
Tgt Ion: 75 Resp: 101616
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.647 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024956.D
 Acq: 27 Jun 2018 10:54

Tgt Ion: 75 Resp: 101616
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

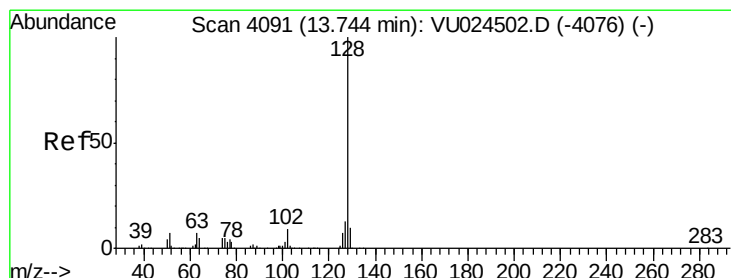
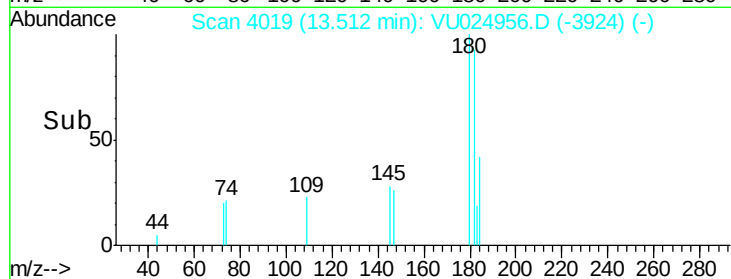
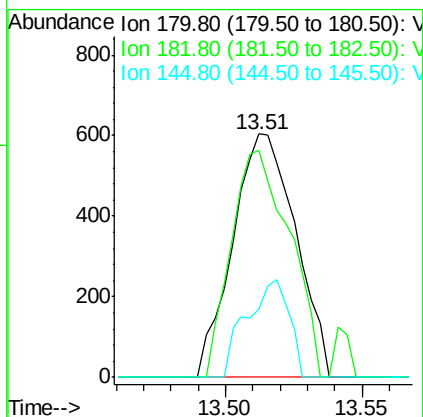
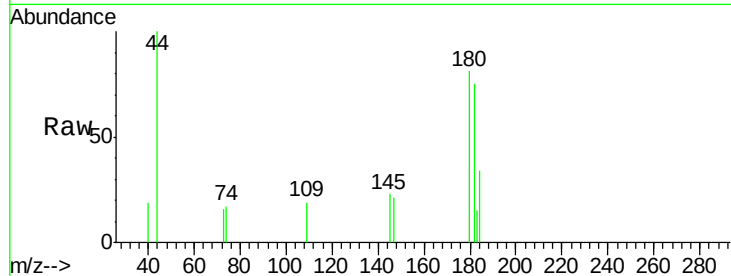




#93
 1,2,4-Trichlorobenzene
 Concen: 0.235 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU024956.D
 Acq: 27 Jun 2018 10:54

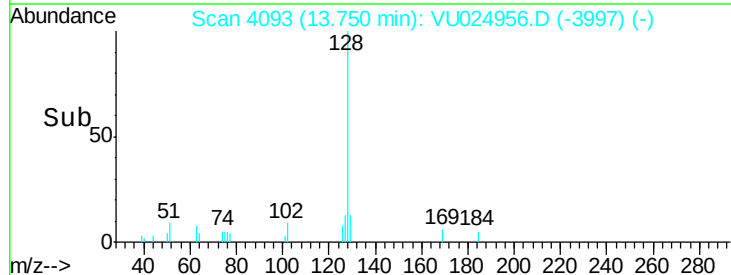
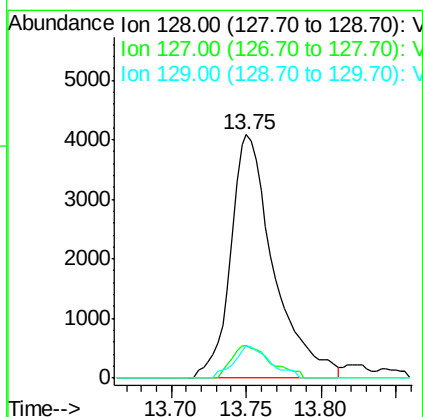
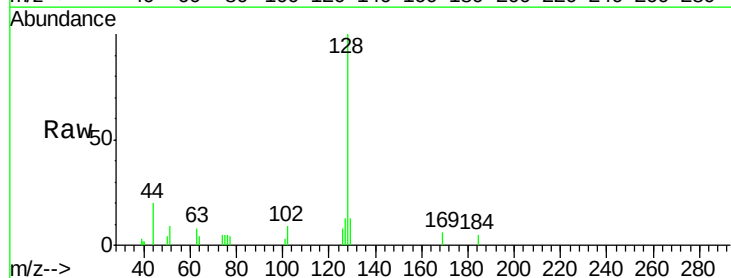
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627WBL02

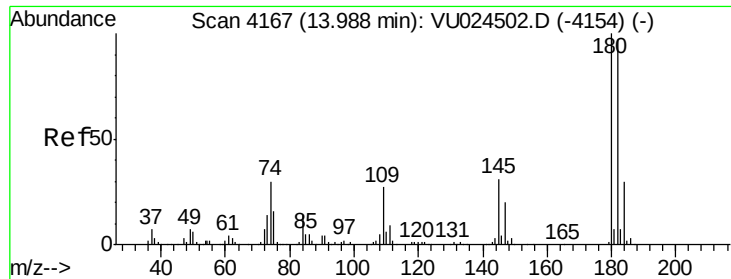
Tgt Ion:180 Resp: 966
 Ion Ratio Lower Upper
 180 100
 182 87.1 48.0 144.2
 145 27.1 14.7 44.1



#95
 Naphthalene
 Concen: 1.270 ug/l
 RT: 13.75 min Scan# 4093
 Delta R.T. 0.01 min
 Lab File: VU024956.D
 Acq: 27 Jun 2018 10:54

Tgt Ion:128 Resp: 8155
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.6 16.0
 129 11.0 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.389 ug/l
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.01 min
 Lab File: VU024956.D
 Acq: 27 Jun 2018 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627WBL02

Tgt Ion:	180	Resp:	1594
Ion	Ratio	Lower	Upper
180	100		
182	82.4	47.9	143.7
145	27.4	15.4	46.1

