

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024521.D
 Acq On : 13 Jun 2018 20:27
 Operator : MD/SY
 Sample : J3461-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SB-50(0-5)

Quant Time: Jun 14 02:21:21 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

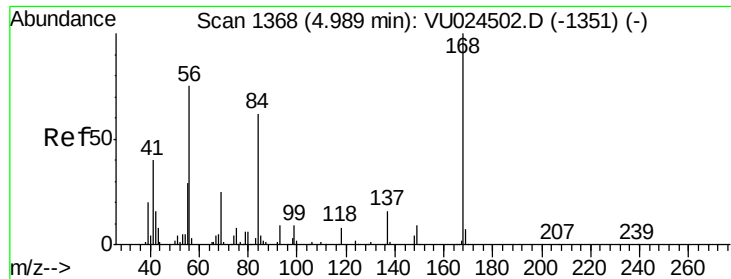
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	183600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315231	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	299395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178206	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	143213	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
35) Dibromofluoromethane	4.89	113	124698	47.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.32%	
50) Toluene-d8	7.57	98	452106	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	10.31	95	182492	48.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	118	Below Cal	#	88
8) Diethyl Ether	2.11	74	99	Below Cal		60
10) Methyl Iodide	2.23	142	157	5.36	ug/l #	1
11) Tert butyl alcohol	2.83	59	529	0.73	ug/l #	93
16) Acetone	2.32	43	15619	9.70	ug/l	95
18) Methyl Acetate	2.62	43	14878	4.31	ug/l	94
20) Methylene Chloride	2.71	84	3820	1.51	ug/l #	86
25) 2-Butanone	4.28	43	3444	1.59	ug/l #	87
29) Tetrahydrofuran	4.65	42	711	0.53	ug/l #	88
31) Cyclohexane	4.99	56	4003	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13285	3.59	ug/l #	55
38) Carbon Tetrachloride	4.99	117	17131	4.21	ug/l #	16
43) Isopropyl Acetate	5.80	43	40676	5.83	ug/l #	62
51) 4-Methyl-2-Pentanone	7.47	43	2853	0.65	ug/l	89
65) Chlorobenzene	9.13	112	1926	0.25	ug/l	94
76) 1,2,3-Trichloropropane	10.31	75	90717	23.12	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	90717	53.51	ug/l #	100
95) Naphthalene	13.76	128	1833	0.82	ug/l	97

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU061318\  
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Acq On    : 13 Jun 2018   20:27  
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Sample    : J3461-09  
Misc      : 5.0mL/MSVOA_U/WATER  
ALS Vial  : 24   Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

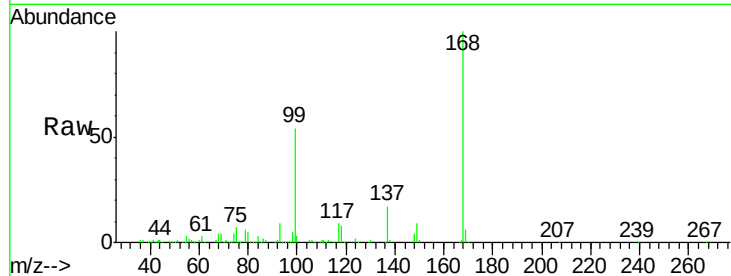
SB-50(0-5)

Tgt Ion:168 Resp: 183600

Ion Ratio Lower Upper

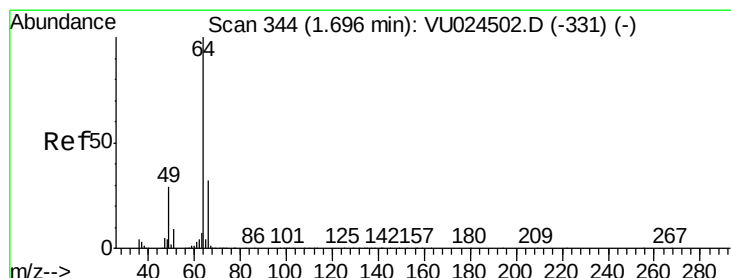
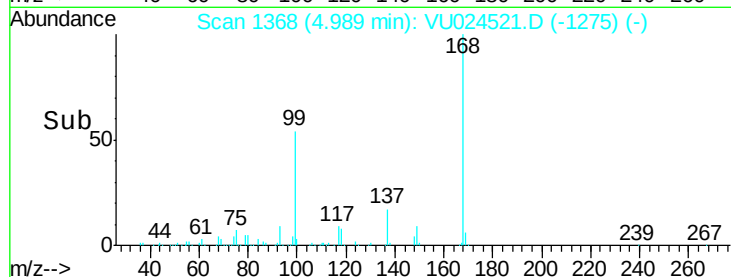
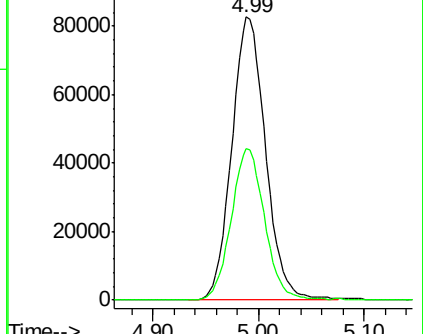
168 100

99 53.7 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) (-)



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024521.D

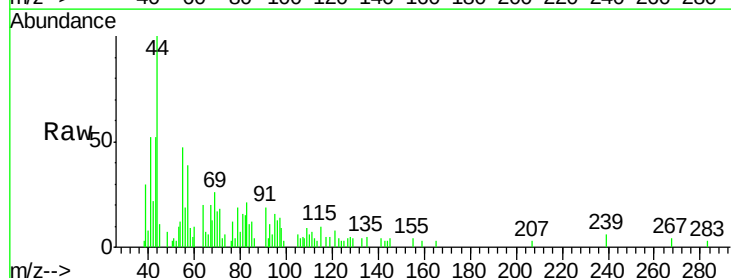
Acq: 13 Jun 2018 20:27

Tgt Ion: 64 Resp: 118

Ion Ratio Lower Upper

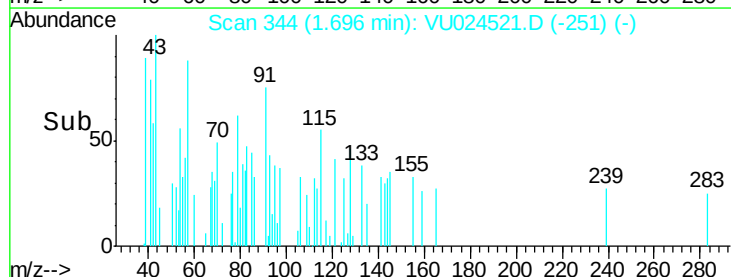
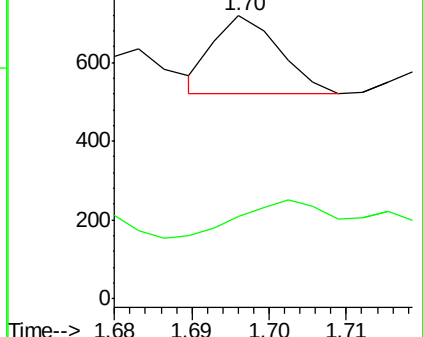
64 100

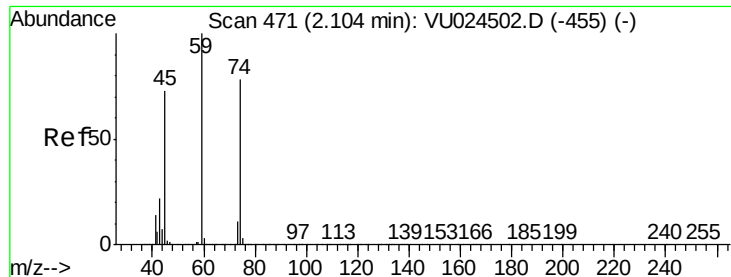
66 25.3 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)





#8

Diethyl Ether

Concen: Below Cal

RT: 2.11 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

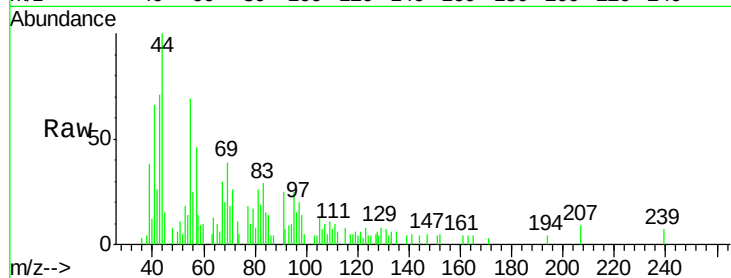
SB-50(0-5)

Tgt Ion: 74 Resp: 99

Ion Ratio Lower Upper

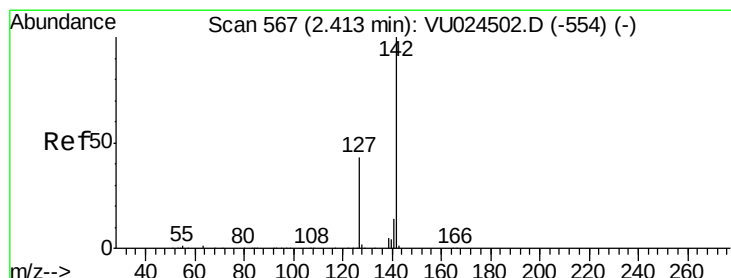
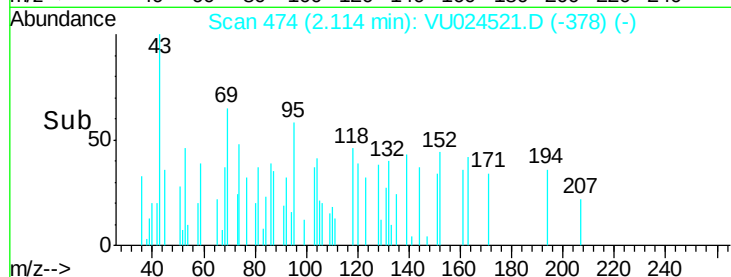
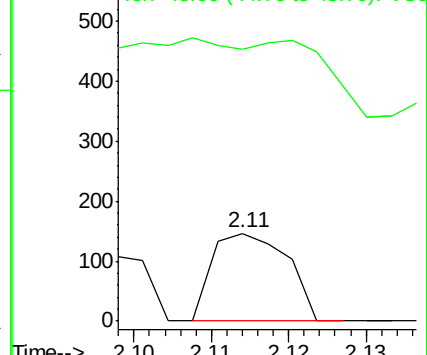
74 100

45 152.5 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#10

Methyl Iodide

Concen: 5.36 ug/l

RT: 2.23 min Scan# 510

Delta R.T. -0.18 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

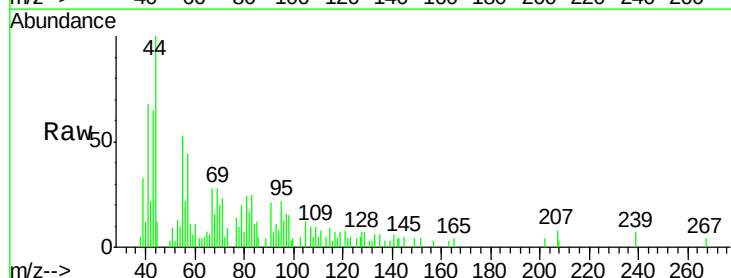
Tgt Ion: 142 Resp: 157

Ion Ratio Lower Upper

142 100

127 296.8 35.6 53.4#

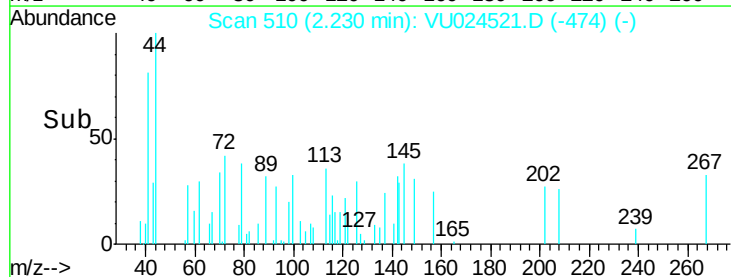
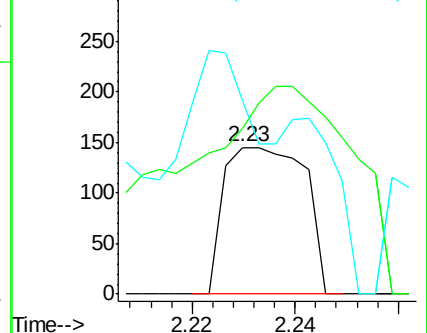
141 61.8 11.7 17.5#

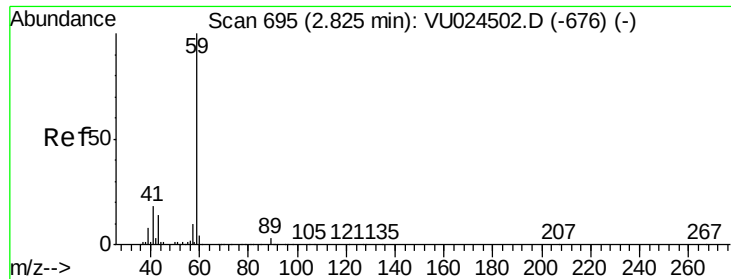


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

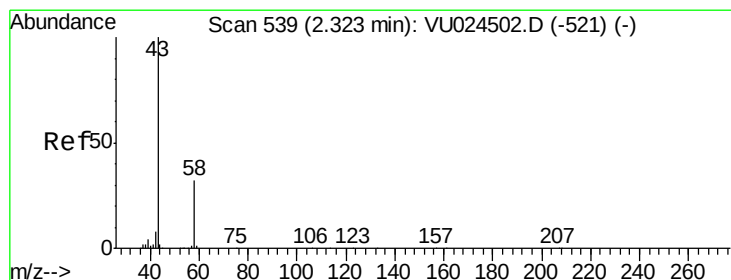
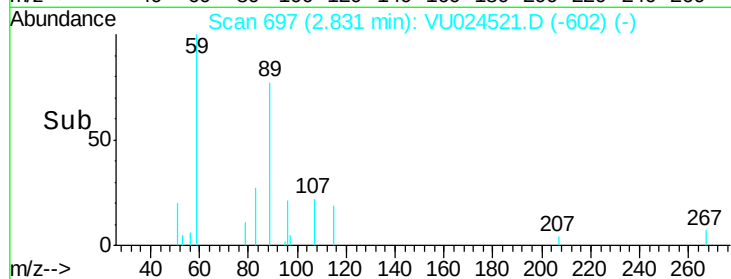
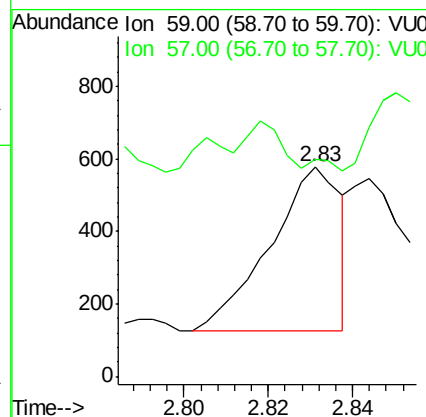
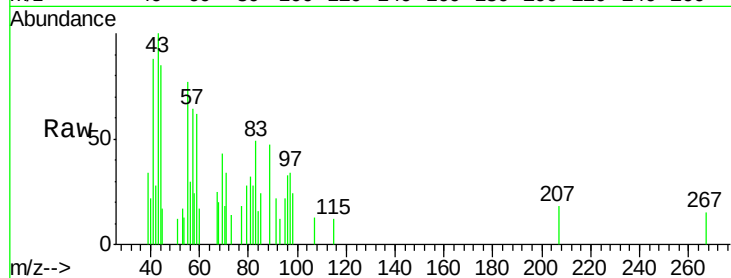




#11
Tert butyl alcohol
Concen: 0.73 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

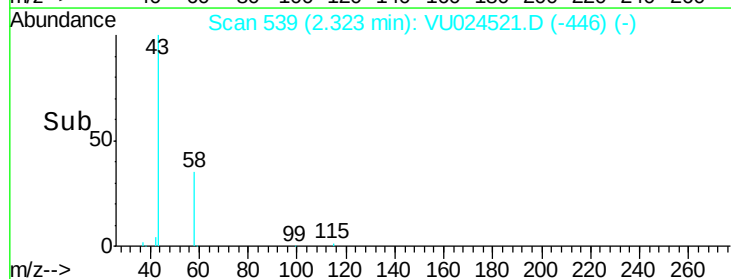
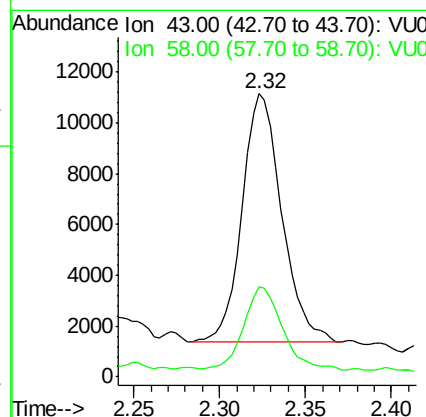
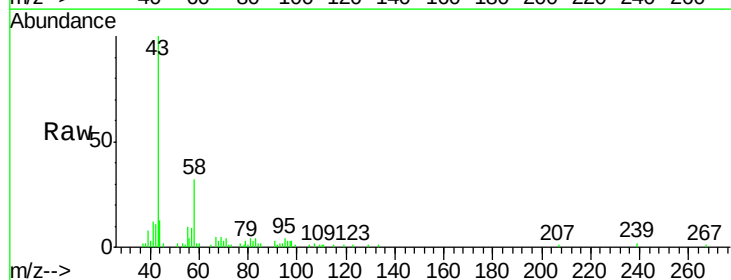
Instrument :
MSVOA_U
ClientSampleId :
SB-50(0-5)

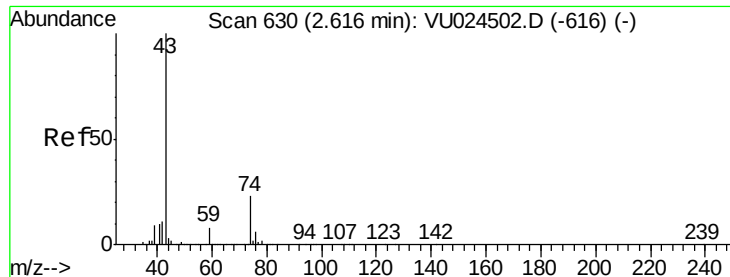
Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 13.2 8.5 12.7#



#16
Acetone
Concen: 9.70 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

Tgt Ion: 43 Resp: 15619
Ion Ratio Lower Upper
43 100
58 33.4 24.4 36.6

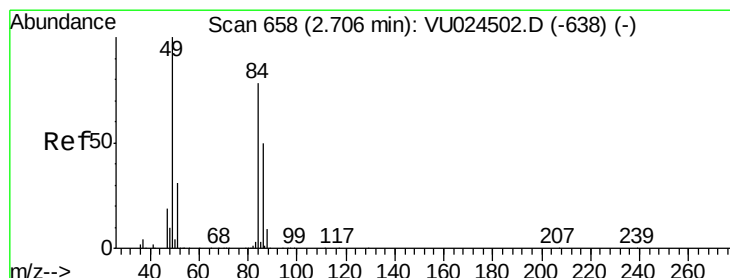
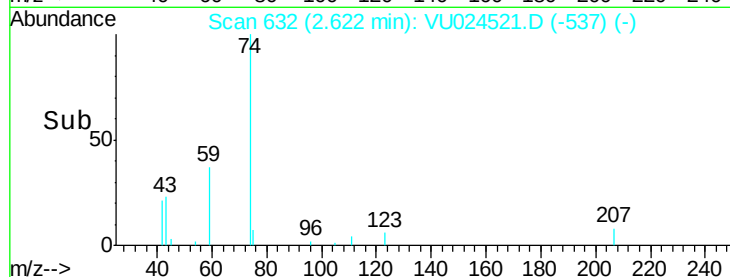
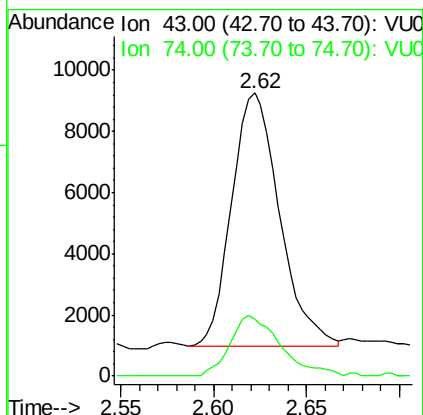
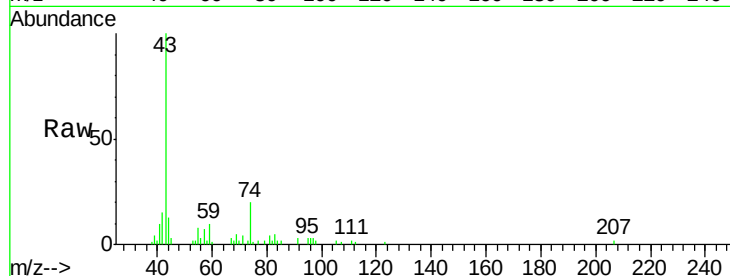




#18
Methyl Acetate
Concen: 4.31 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

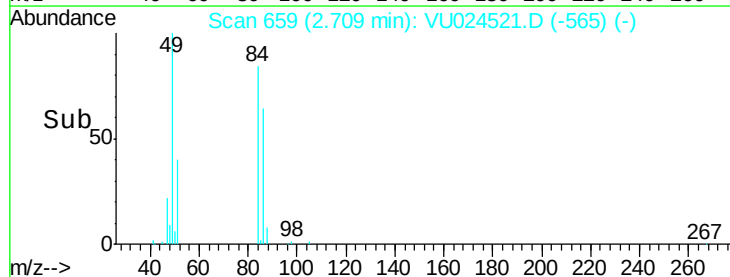
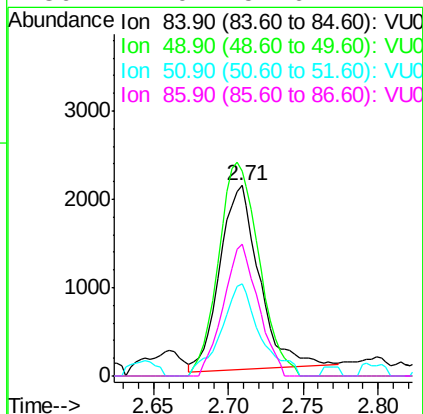
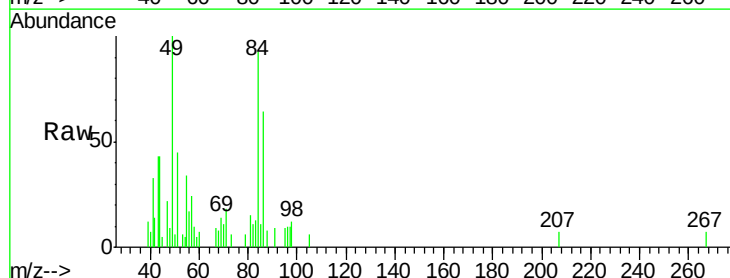
Instrument :
MSVOA_U
ClientSampleId :
SB-50(0-5)

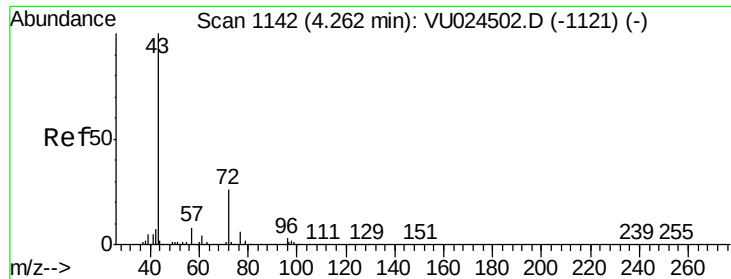
Tgt Ion: 43 Resp: 14878
Ion Ratio Lower Upper
43 100
74 25.2 18.0 27.0



#20
Methylene Chloride
Concen: 1.51 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.00 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

Tgt Ion: 84 Resp: 3820
Ion Ratio Lower Upper
84 100
49 114.8 103.8 155.8
51 51.7 32.0 48.0#
86 74.0 51.6 77.4

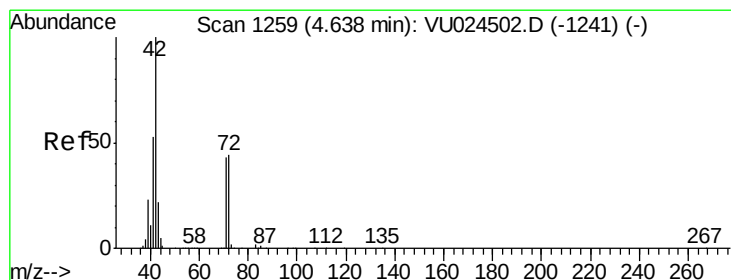
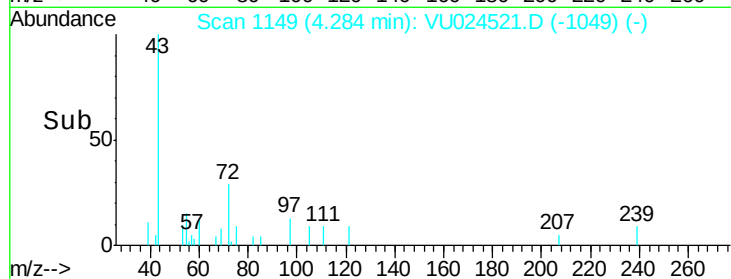
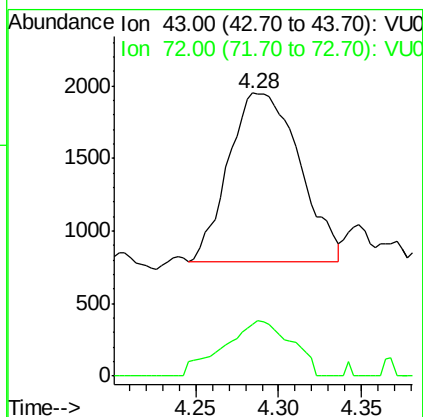
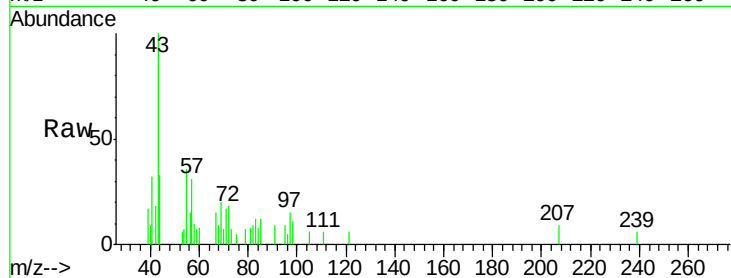




#25
2-Butanone
Concen: 1.59 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

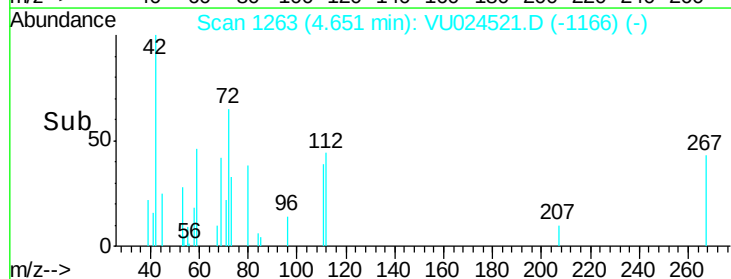
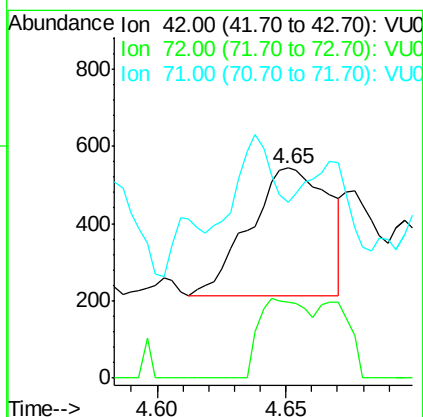
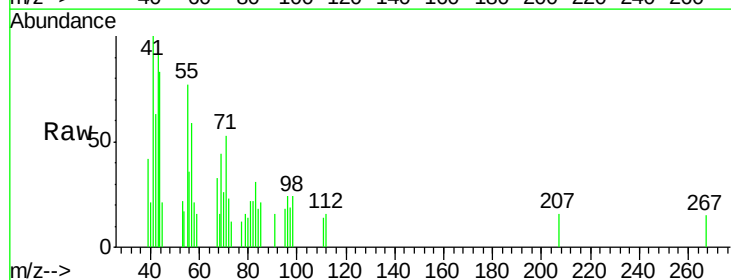
Instrument :
MSVOA_U
ClientSampleId :
SB-50(0-5)

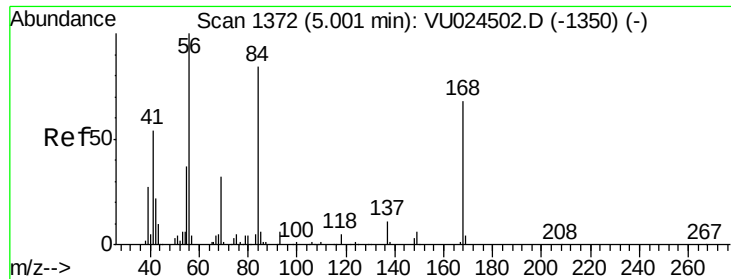
Tgt Ion: 43 Resp: 3444
Ion Ratio Lower Upper
43 100
72 30.9 19.6 29.4#



#29
Tetrahydrofuran
Concen: 0.53 ug/l
RT: 4.65 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

Tgt Ion: 42 Resp: 711
Ion Ratio Lower Upper
42 100
72 39.0 34.5 51.7
71 28.6 32.2 48.4#

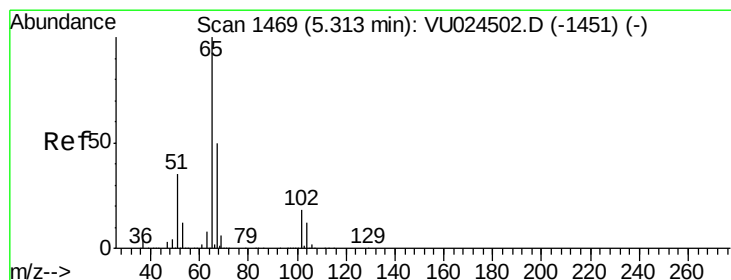
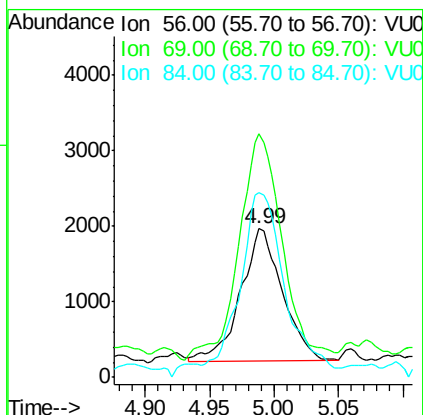
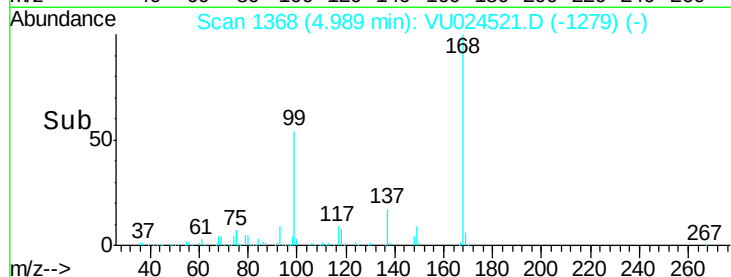
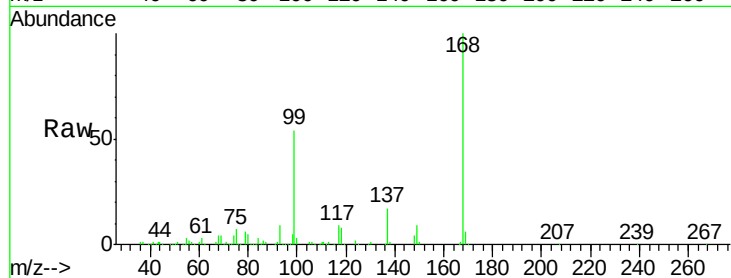




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

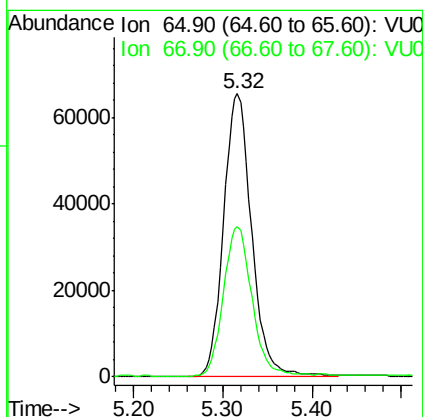
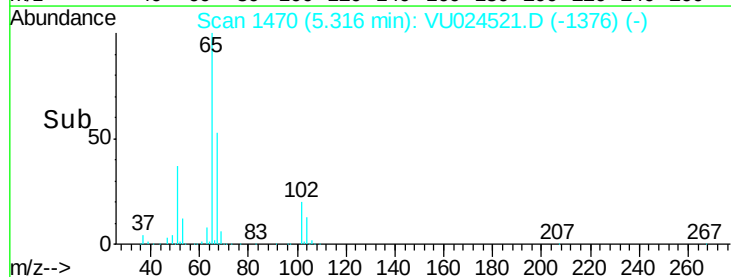
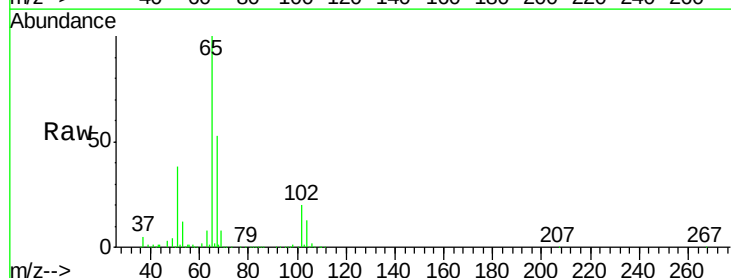
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MSVOA_U
ClientSampleId :
SB-50(0-5)

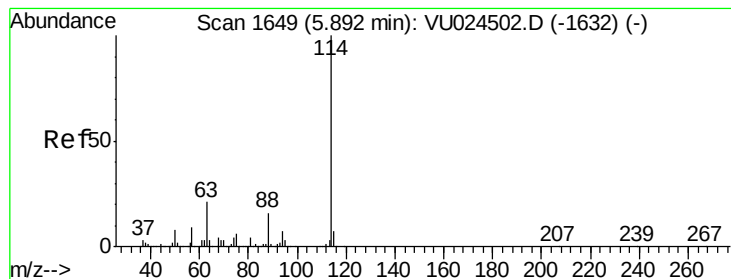
Tgt Ion: 56 Resp: 4003
Ion Ratio Lower Upper
56 100
69 168.7 24.8 37.2#
84 133.8 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 47.78 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

Tgt Ion: 65 Resp: 143213
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

SB-50(0-5)

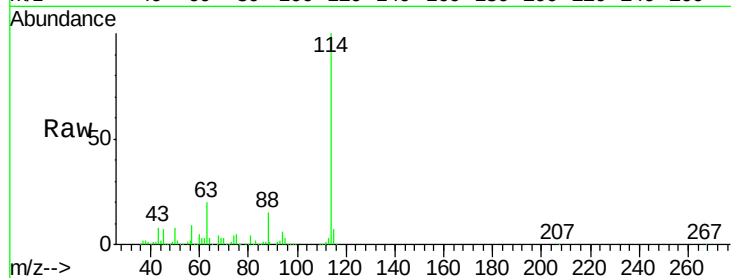
Tgt Ion:114 Resp: 315231

Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.4

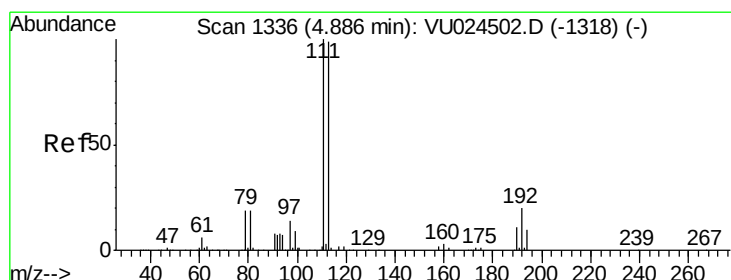
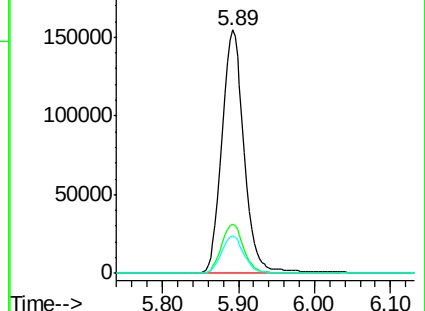
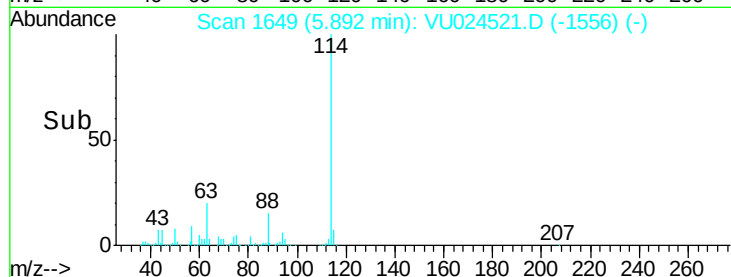
88 15.4 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 47.66 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

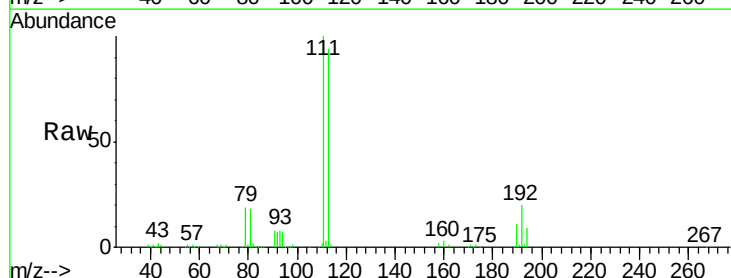
Tgt Ion:113 Resp: 124698

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

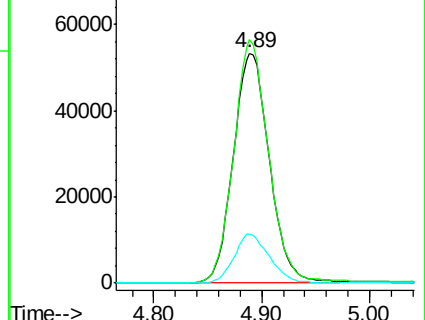
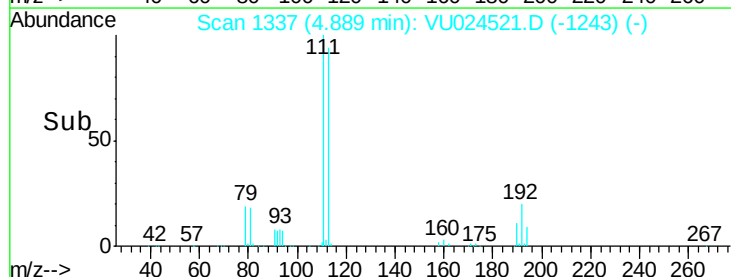
192 20.9 16.2 24.4

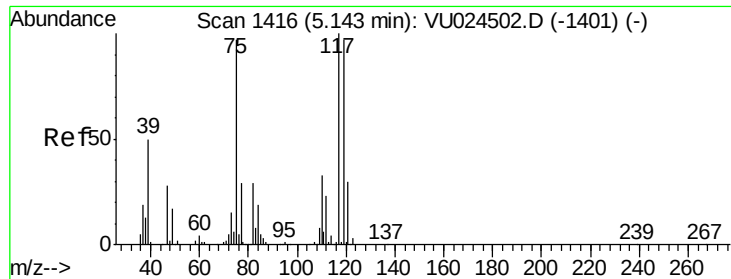


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

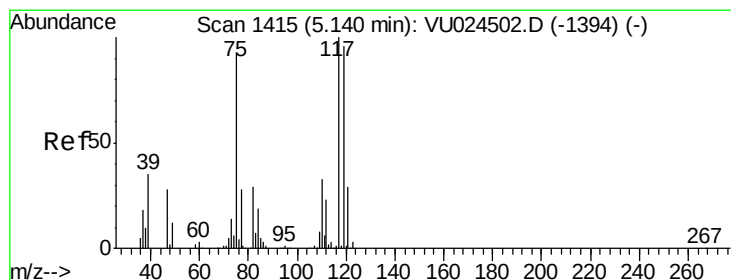
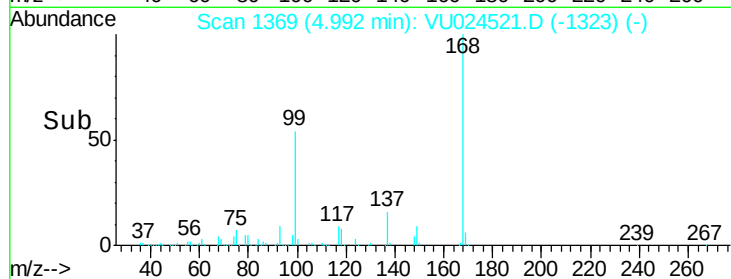
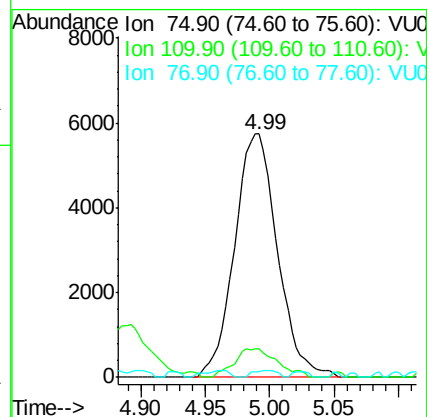
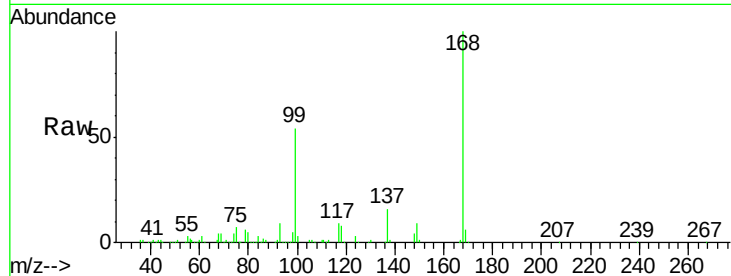




#36
 1,1-Dichloropropene
 Concen: 3.59 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU024521.D
 Acq: 13 Jun 2018 20:27

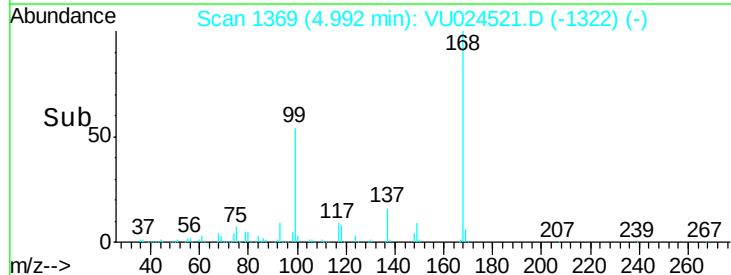
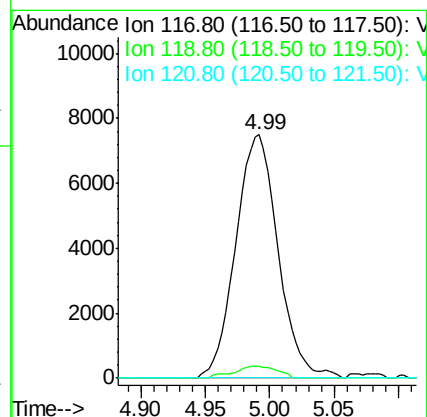
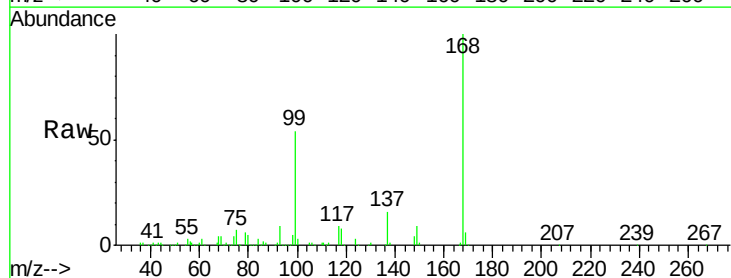
Instrument :
 MSVOA_U
 ClientSampleId :
 SB-50(0-5)

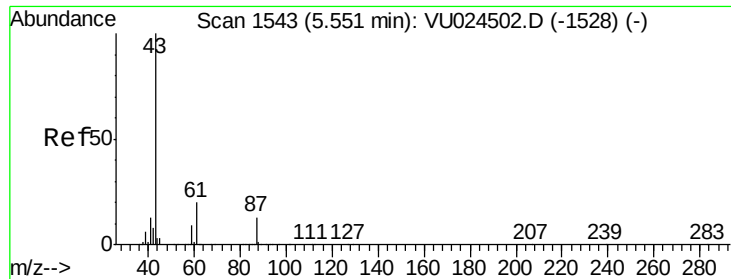
Tgt Ion: 75 Resp: 13285
 Ion Ratio Lower Upper
 75 100
 110 11.9 17.0 50.9#
 77 1.6 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 4.21 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU024521.D
 Acq: 13 Jun 2018 20:27

Tgt Ion: 117 Resp: 17131
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.1 114.1#
 121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 5.83 ug/l

RT: 5.80 min Scan# 1620

Delta R.T. 0.25 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

SB-50(0-5)

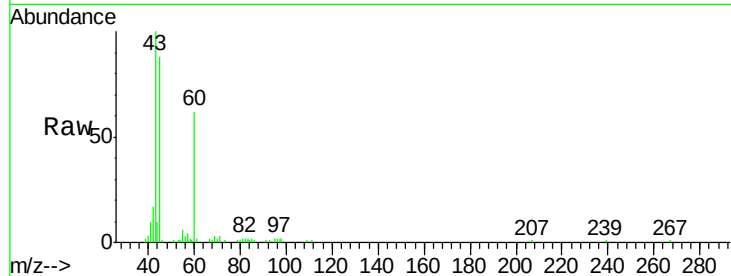
Tgt Ion: 43 Resp: 40676

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

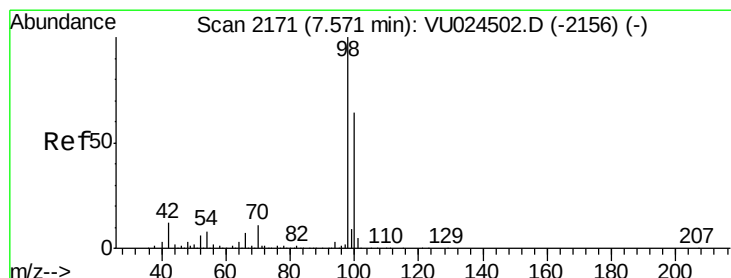
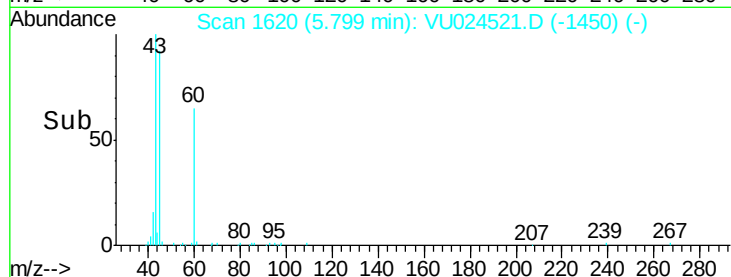
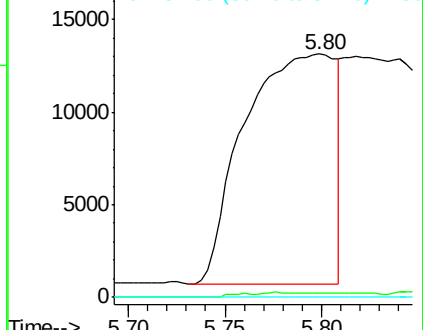
87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#50

Toluene-d8

Concen: 47.38 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024521.D

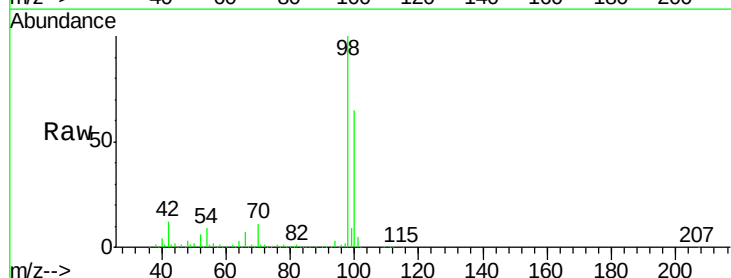
Acq: 13 Jun 2018 20:27

Tgt Ion: 98 Resp: 452106

Ion Ratio Lower Upper

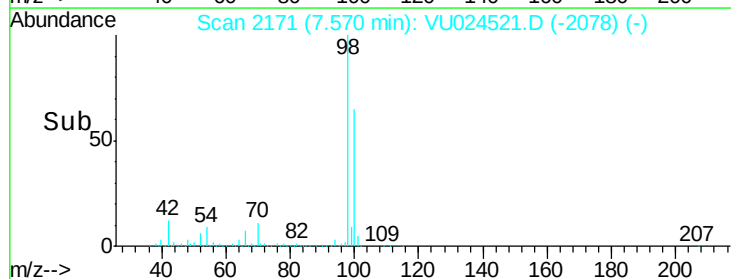
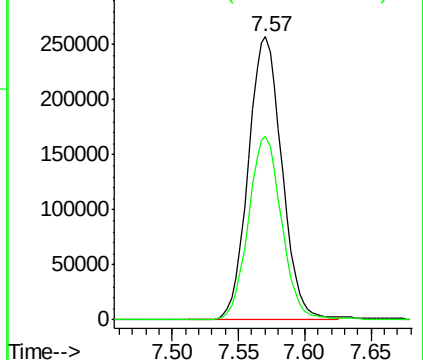
98 100

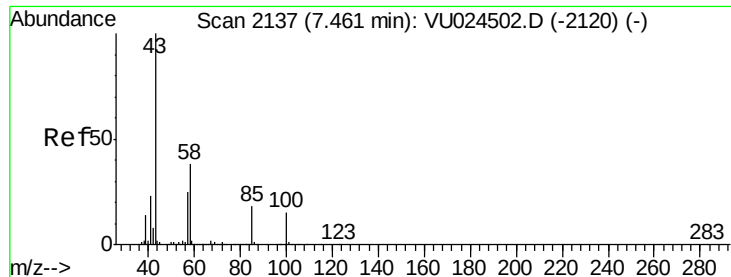
100 64.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.65 ug/l

RT: 7.47 min Scan# 2140

Delta R.T. 0.01 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

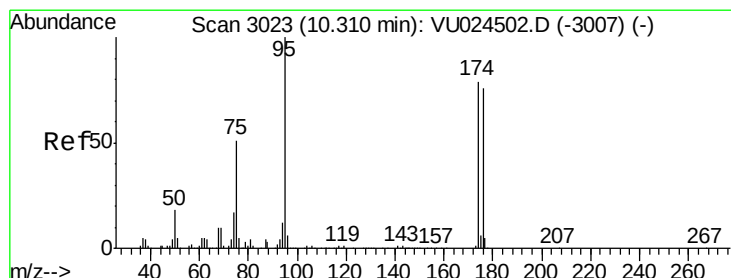
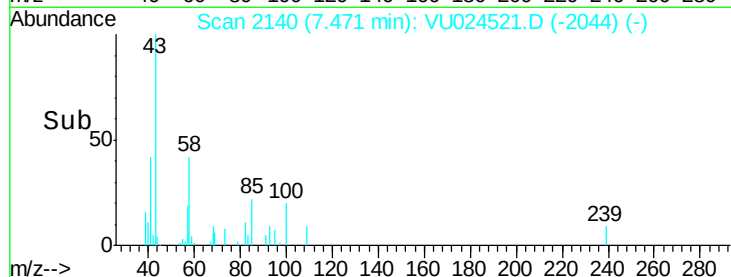
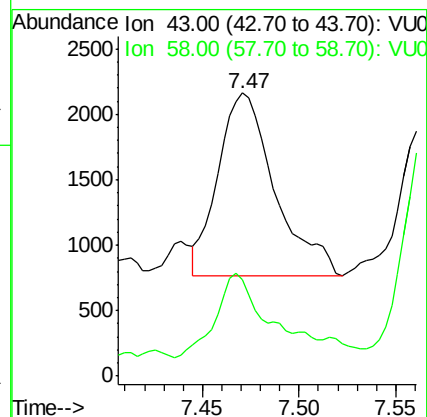
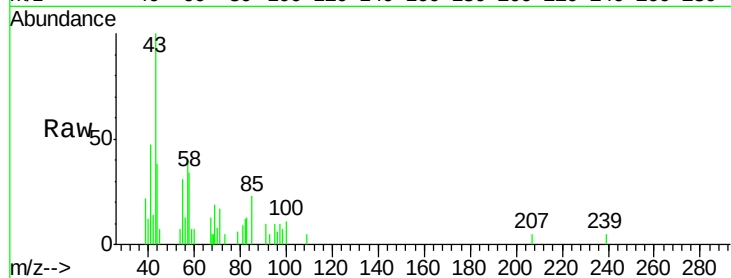
SB-50(0-5)

Tgt Ion: 43 Resp: 2853

Ion Ratio Lower Upper

43 100

58 44.0 30.0 45.0



#62

4-Bromofluorobenzene

Concen: 48.17 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

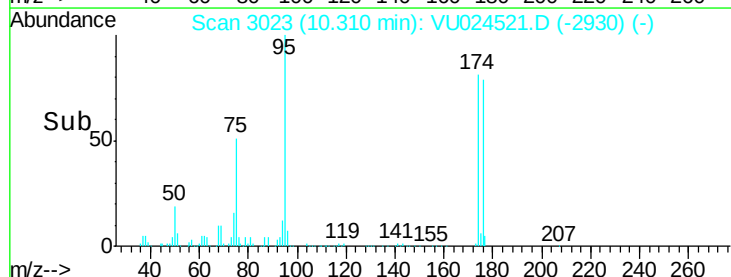
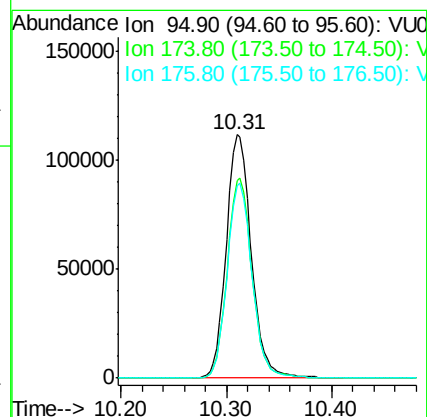
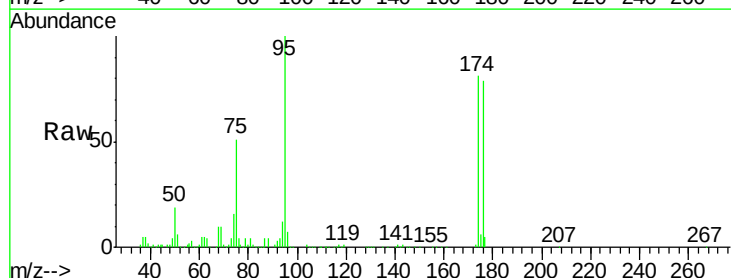
Tgt Ion: 95 Resp: 182492

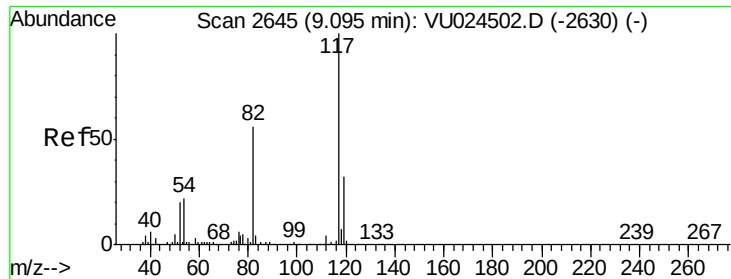
Ion Ratio Lower Upper

95 100

174 82.0 0.0 165.8

176 80.1 0.0 159.4

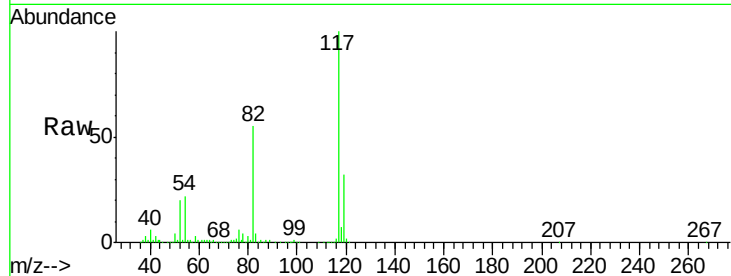




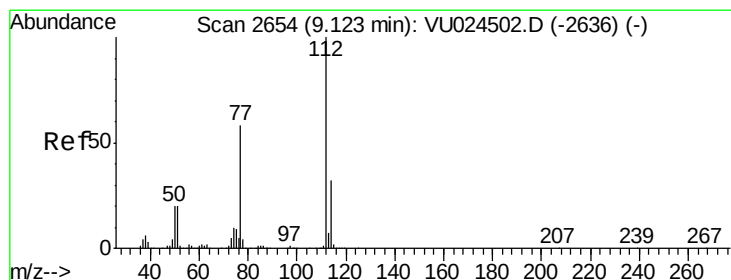
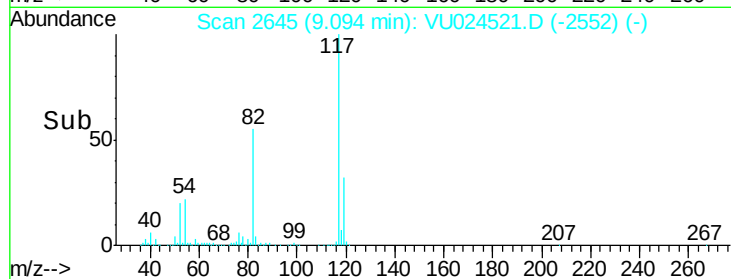
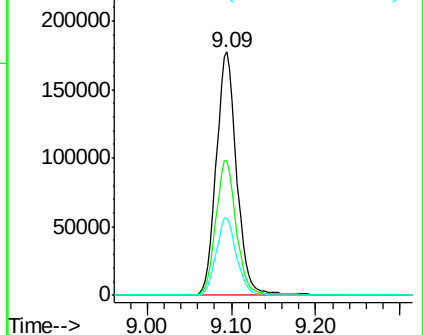
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

Instrument :
MSVOA_U
ClientSampleId :
SB-50(0-5)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.3	66.5
119	31.9	25.4	38.2

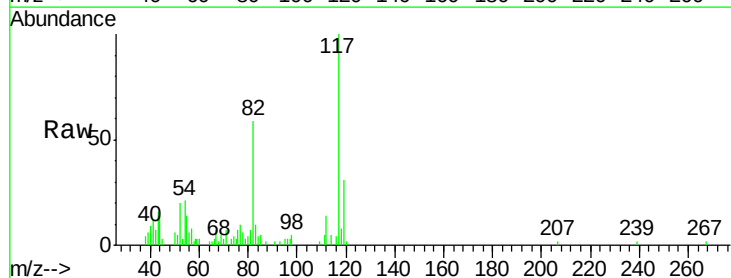


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

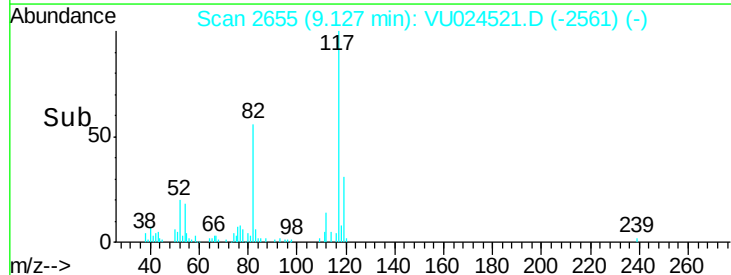
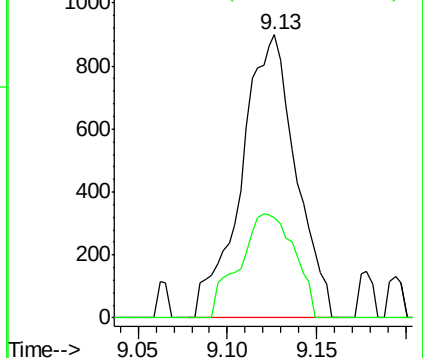


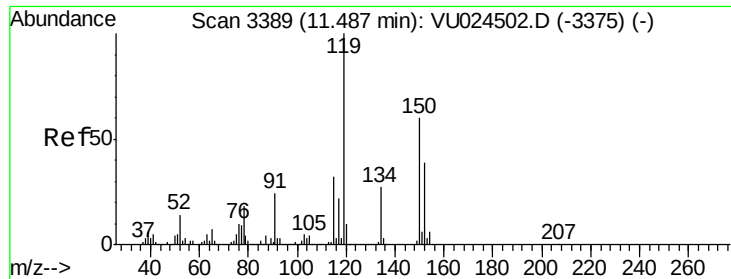
#65
Chlorobenzene
Concen: 0.25 ug/l
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU024521.D
Acq: 13 Jun 2018 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.3	25.6	38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

SB-50(0-5)

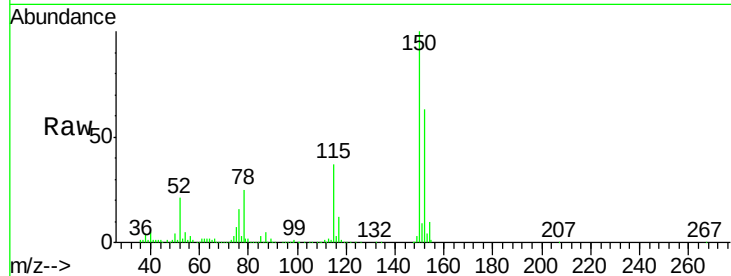
Tgt Ion:152 Resp: 178206

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

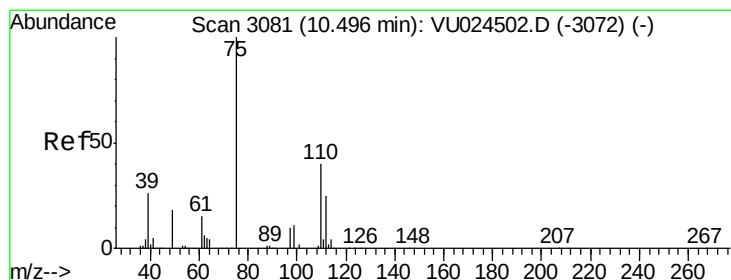
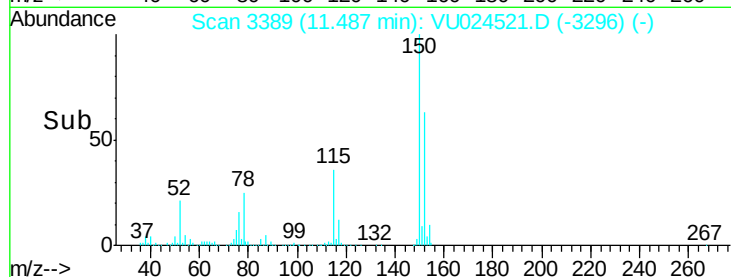
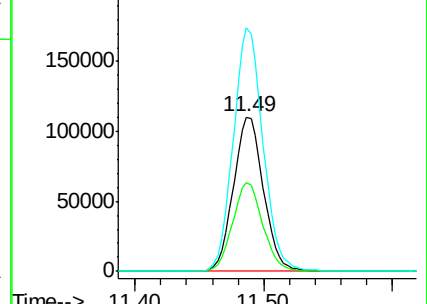
150 155.9 0.0 354.0



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: 23.12 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024521.D

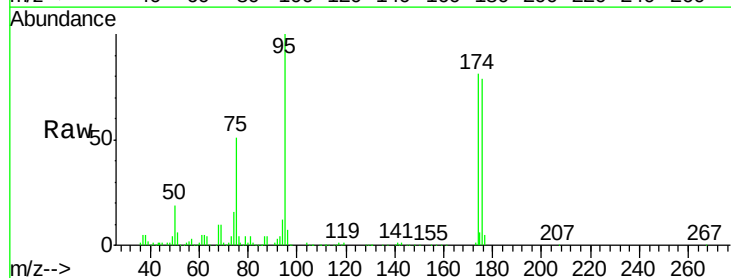
Acq: 13 Jun 2018 20:27

Tgt Ion: 75 Resp: 90717

Ion Ratio Lower Upper

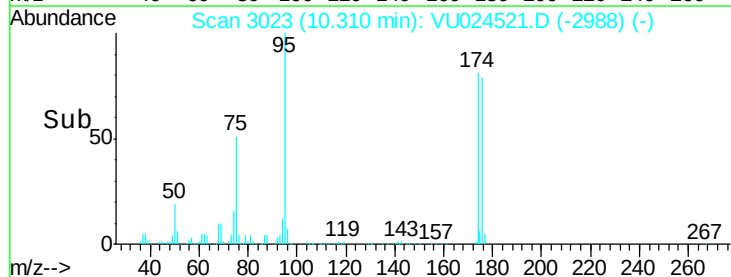
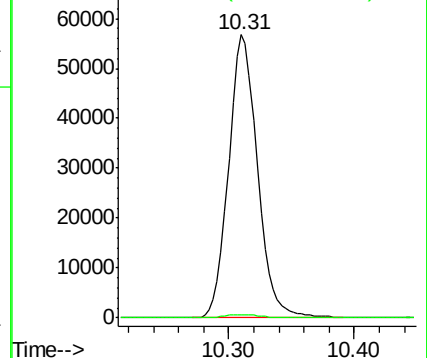
75 100

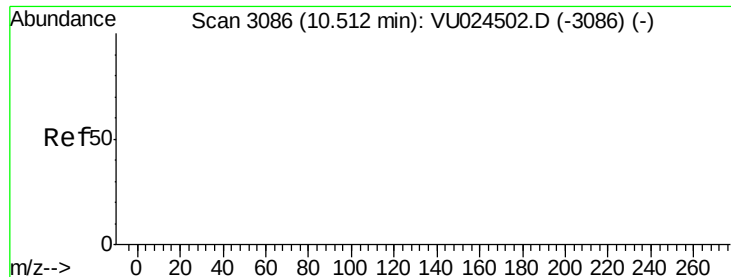
77 1.5 20.9 62.7#



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: 53.51 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

SB-50(0-5)

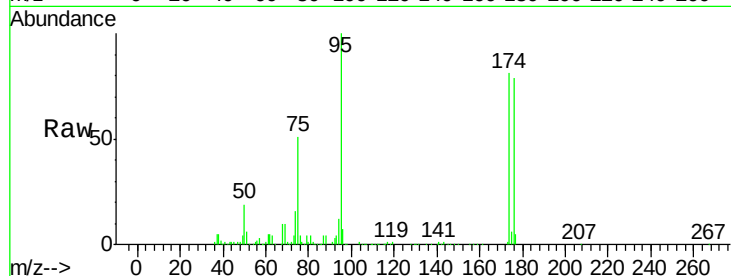
Tgt Ion: 75 Resp: 90717

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

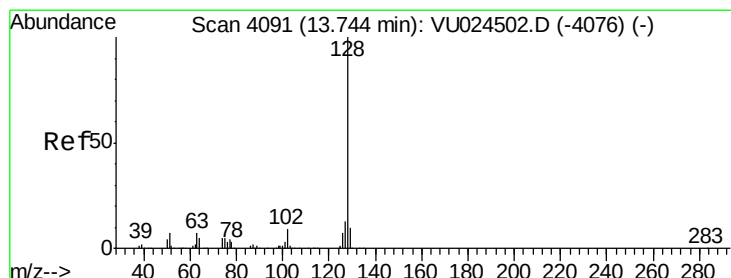
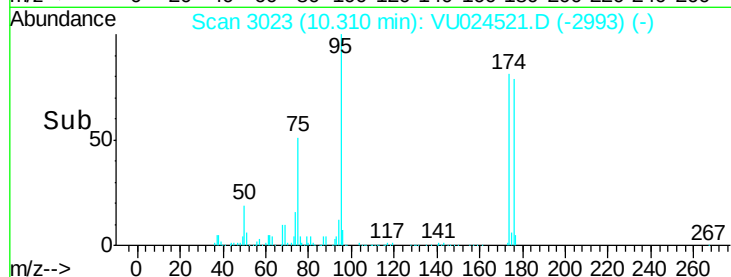
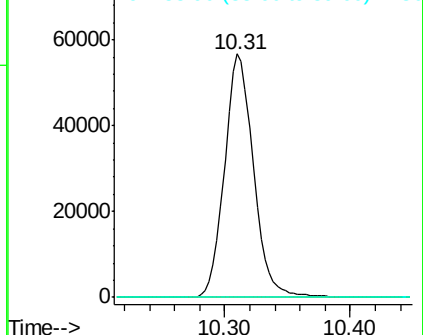
89 0.0 0.0 0.0



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: 0.82 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU024521.D

Acq: 13 Jun 2018 20:27

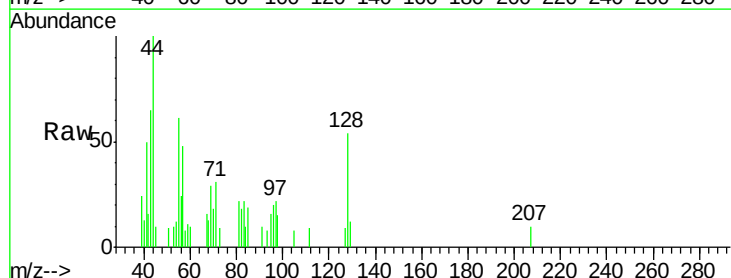
Tgt Ion: 128 Resp: 1833

Ion Ratio Lower Upper

128 100

127 11.2 10.6 16.0

129 10.4 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) (-)

