

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024858.D
 Acq On : 23 Jun 2018 01:54
 Operator : MD/SY
 Sample : J3662-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 23 04:45:36 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	196437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	298461	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147238	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	145314	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	4.89	113	114178	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
50) Toluene-d8	7.57	98	432991	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	10.31	95	158546	44.20	ug/l	0.00
Spiked Amount			Recovery	=	88.40%	

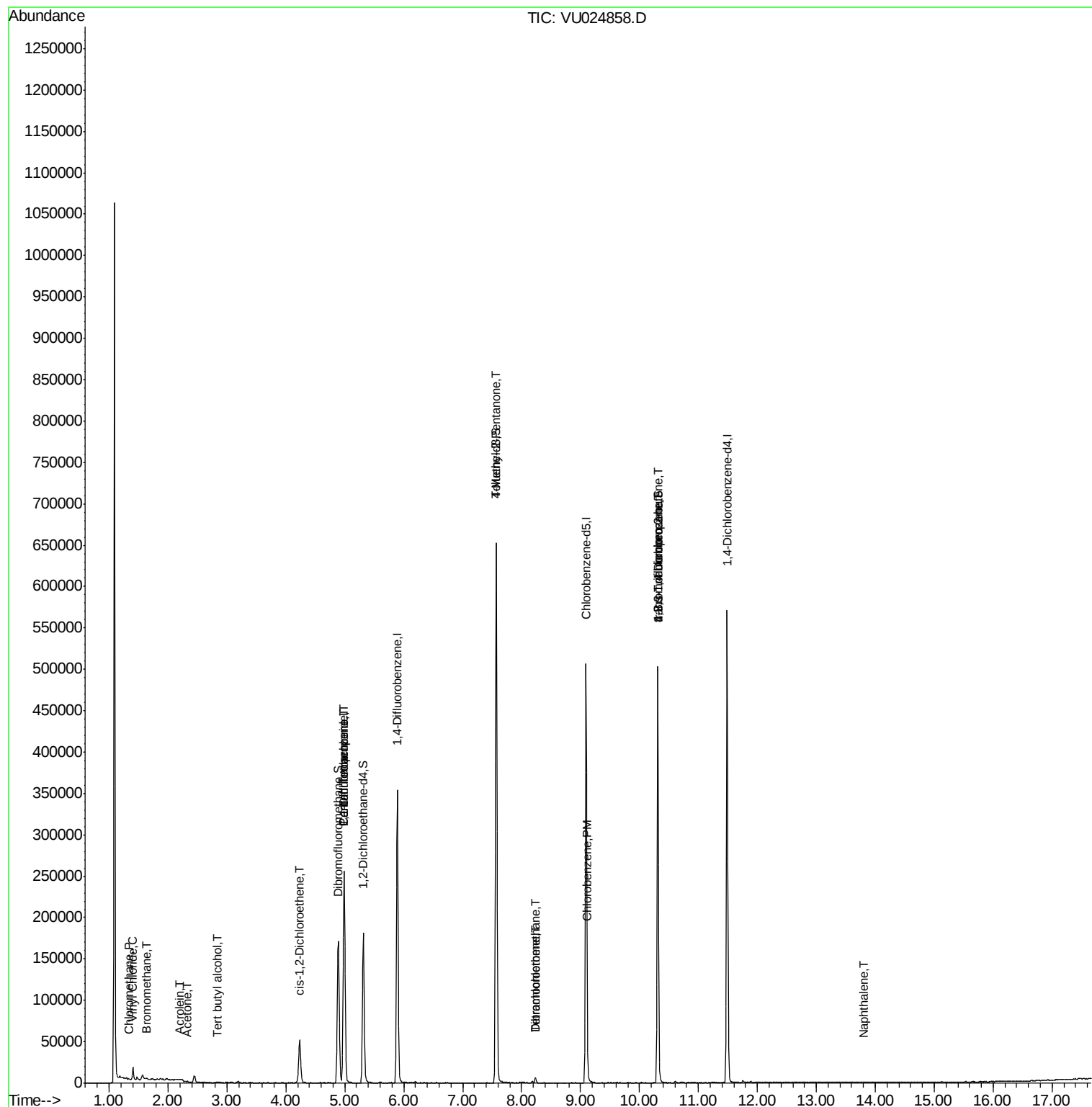
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	771	0.31	ug/l #	87
4) Vinyl Chloride	1.40	62	9395	3.63	ug/l #	98
5) Bromomethane	1.64	94	297	0.24	ug/l #	69
11) Tert butyl alcohol	2.83	59	369	0.47	ug/l #	72
13) Acrolein	2.19	56	194	0.47	ug/l #	80
16) Acetone	2.32	43	1227	0.71	ug/l #	87
27) cis-1,2-Dichloroethene	4.23	96	29184	10.30	ug/l	86
31) Cyclohexane	4.99	56	3911	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14527	4.14	ug/l #	50
38) Carbon Tetrachloride	4.99	117	18663	4.84	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	2168	0.52	ug/l #	1
60) Dibromochloromethane	8.23	129	1493	0.46	ug/l #	11
64) Tetrachloroethene	8.24	164	1682	0.64	ug/l #	81
65) Chlorobenzene	9.12	112	2499	0.35	ug/l	90
76) 1,2,3-Trichloropropane	10.31	75	81617	25.18	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	81617	58.27	ug/l #	100
95) Naphthalene	13.80	128	23	0.68	ug/l #	69

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

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MSVOA_U
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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: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

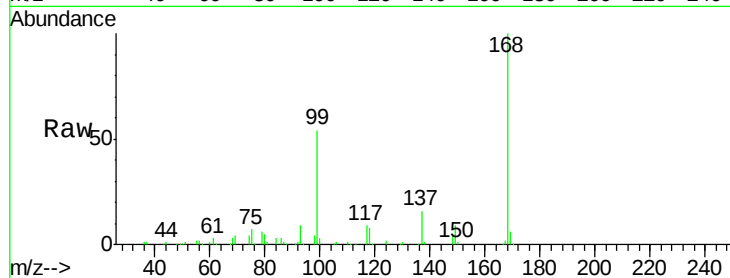
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 196437

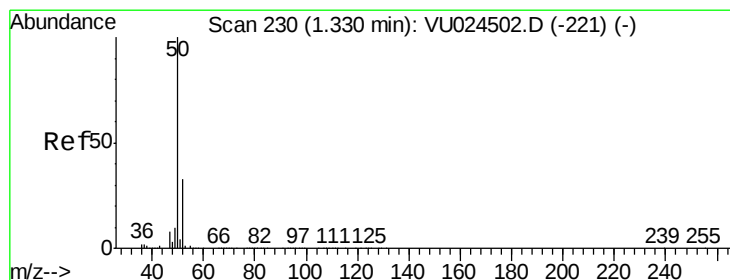
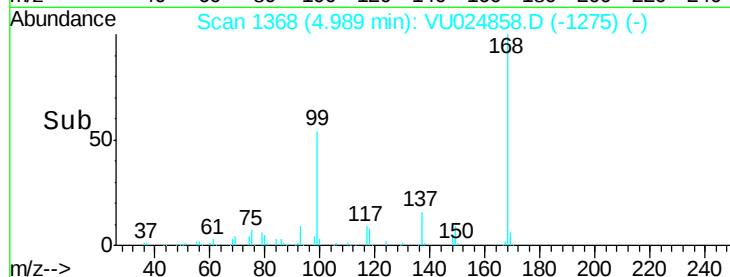
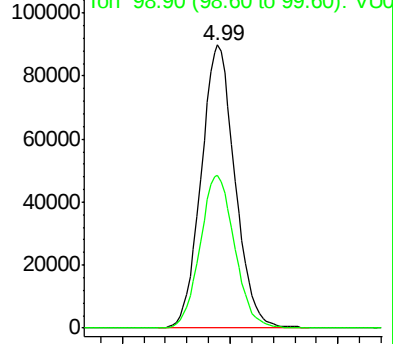
Ion Ratio Lower Upper

168 100

99 53.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024858.D (-1275) (-)



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024858.D

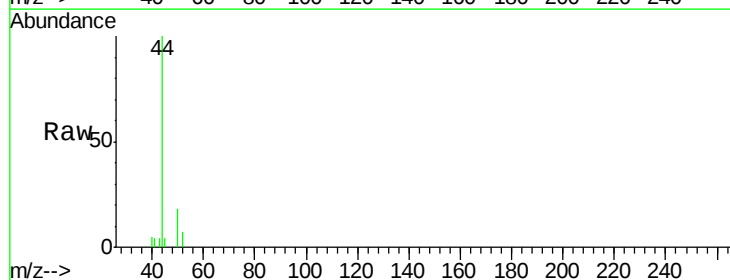
Acq: 23 Jun 2018 01:54

Tgt Ion: 50 Resp: 771

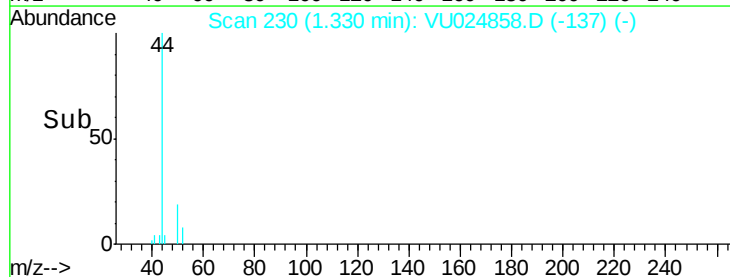
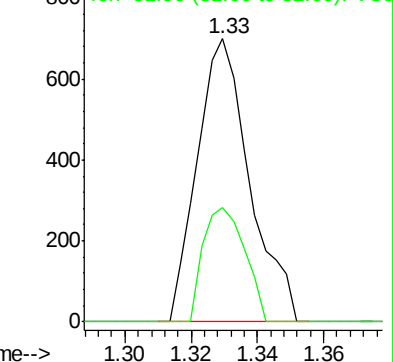
Ion Ratio Lower Upper

50 100

52 40.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024858.D (-137) (-)





#4

Vinyl Chloride

Concen: 3.63 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

Instrument :

MSVOA_U

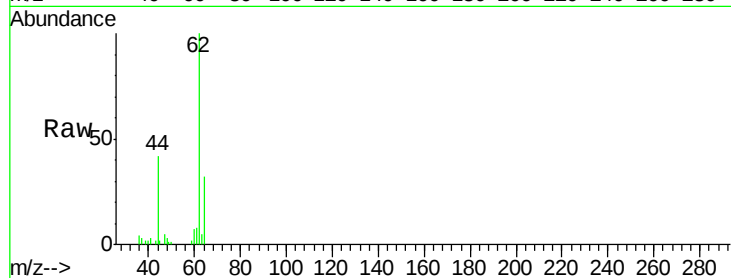
ClientSampleId :

Tot Ion: 62 Resp: 9395

Ion Ratio Lower Upper

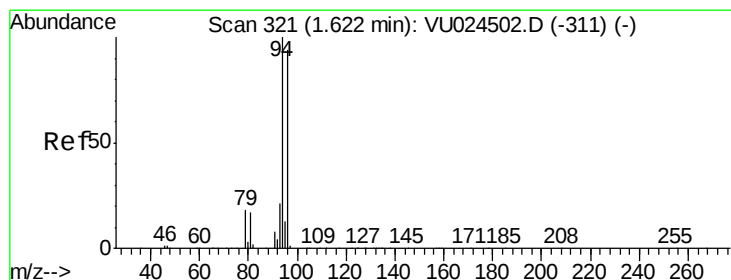
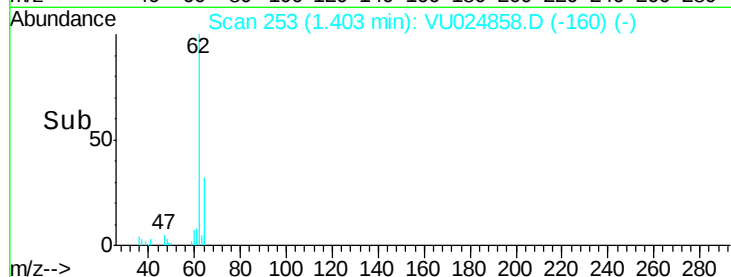
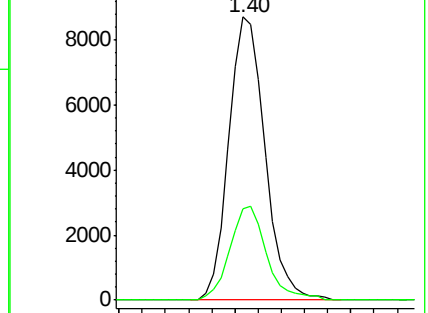
62 100

64 32.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.24 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024858.D

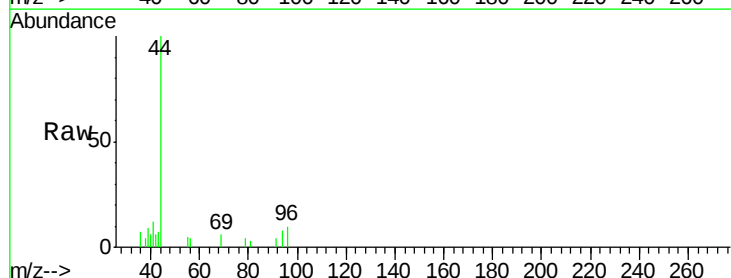
Acq: 23 Jun 2018 01:54

Tgt Ion: 94 Resp: 297

Ion Ratio Lower Upper

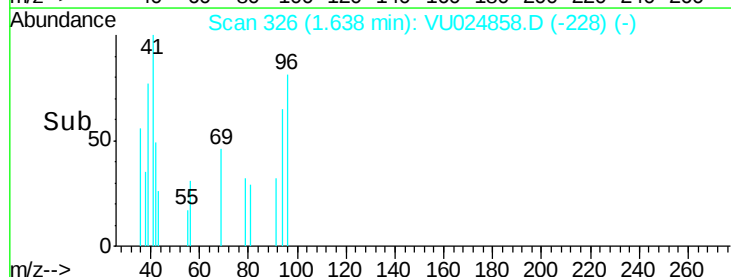
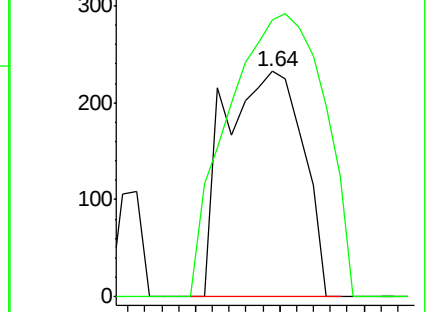
94 100

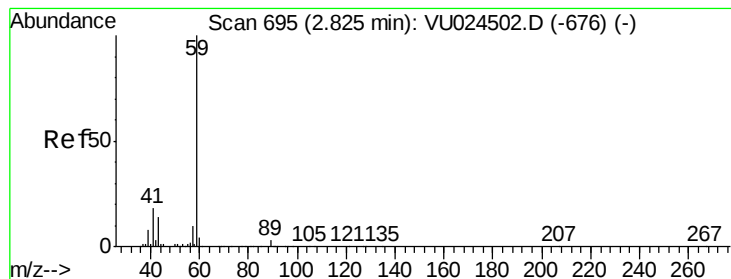
96 123.3 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



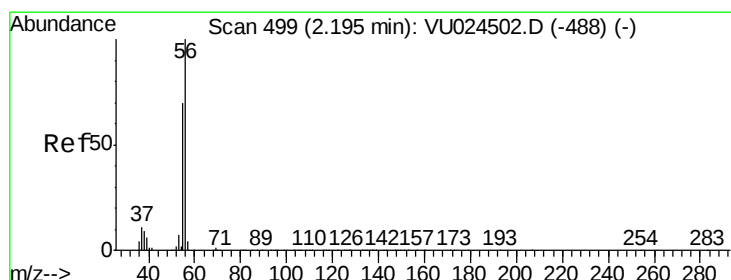
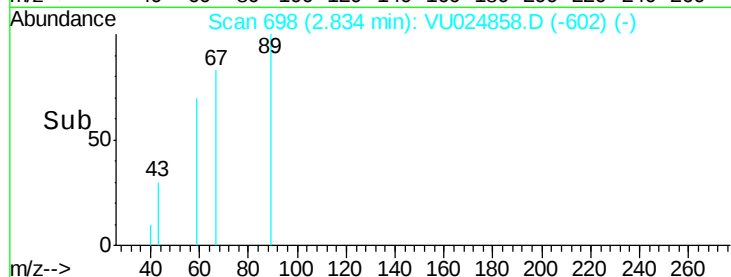
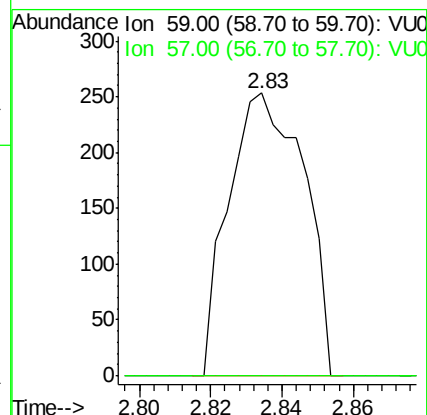
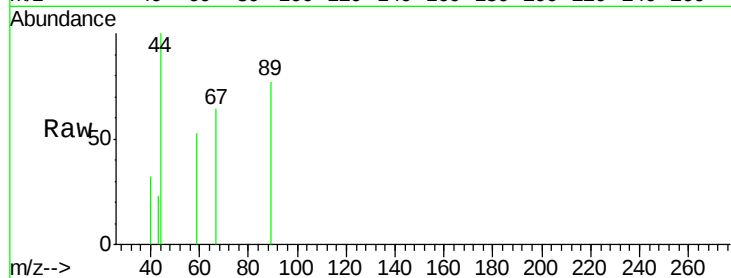


#11

Tert butyl alcohol
Concen: 0.47 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

Instrument :
MSVOA_U
ClientSampleId :

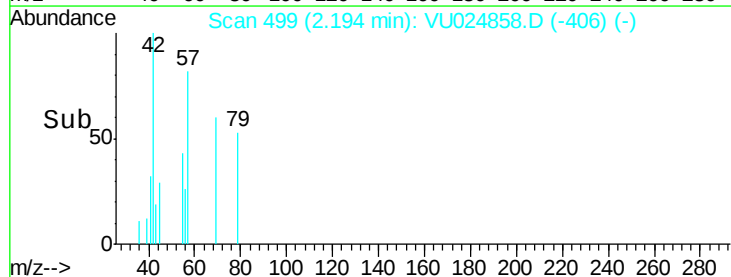
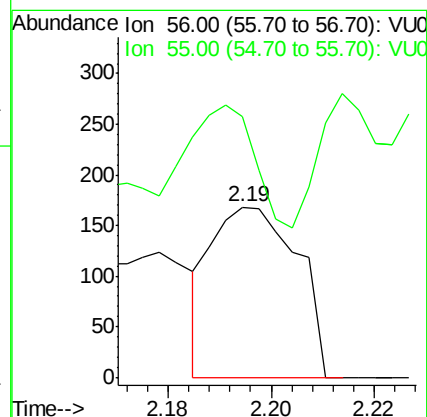
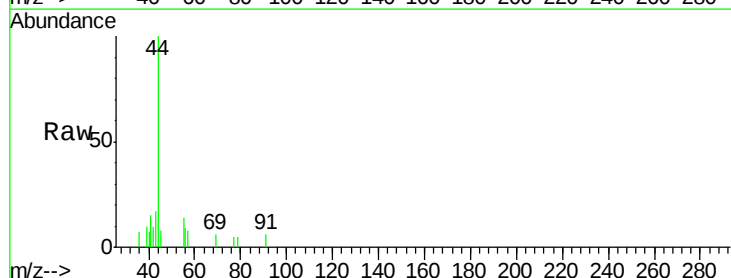
Tot Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13

Acrolein
Concen: 0.47 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

Tgt Ion: 56 Resp: 194
Ion Ratio Lower Upper
56 100
55 56.2 58.4 87.6#





#16

Acetone

Concen: 0.71 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

Instrument :

MSVOA_U

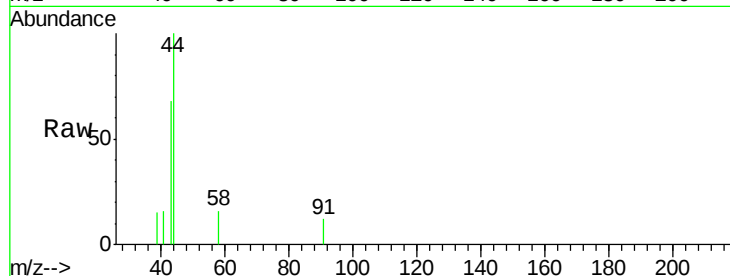
ClientSampleId :

Tot Ion: 43 Resp: 1227

Ion Ratio Lower Upper

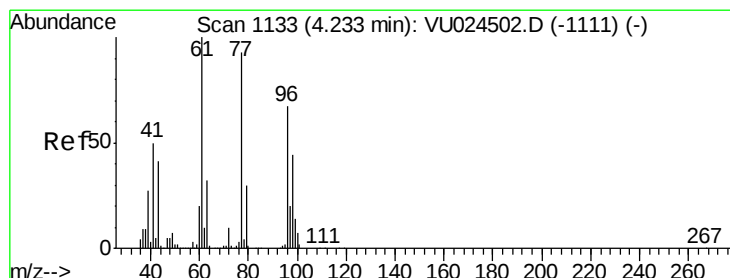
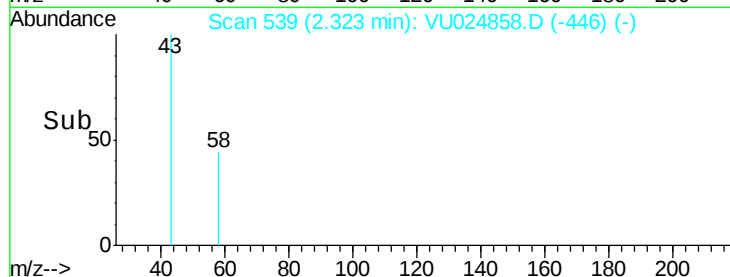
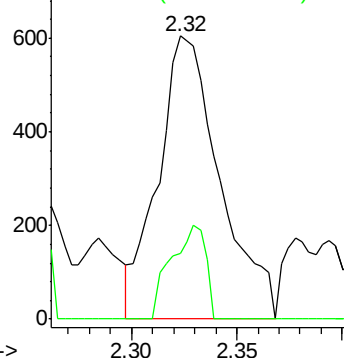
43 100

58 23.2 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 10.30 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

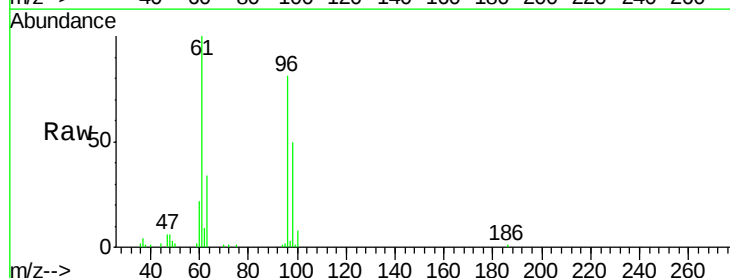
Tgt Ion: 96 Resp: 29184

Ion Ratio Lower Upper

96 100

61 128.5 0.0 306.6

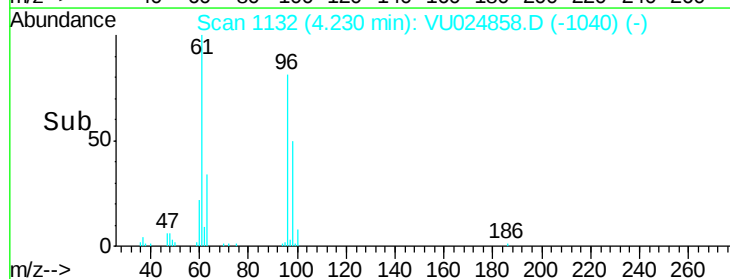
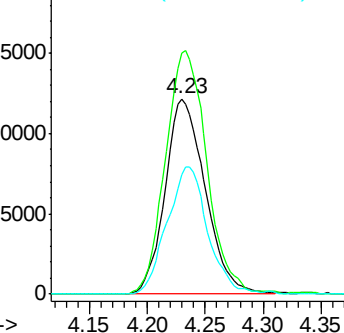
98 66.1 0.0 128.8

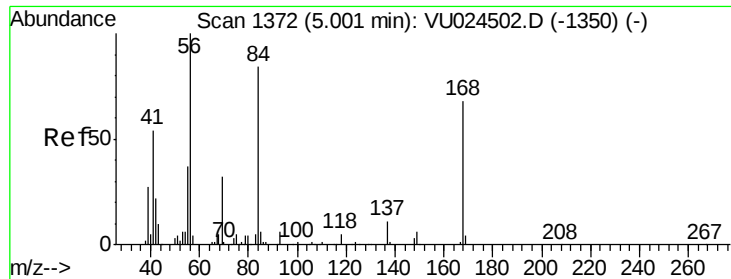


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

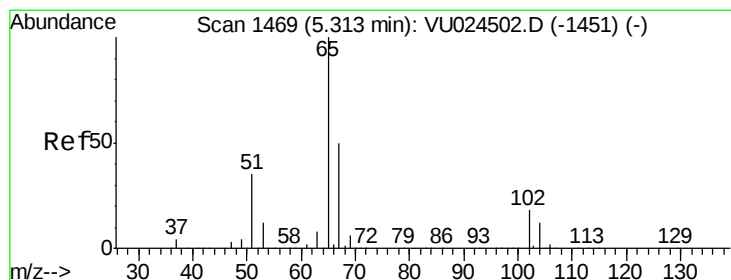
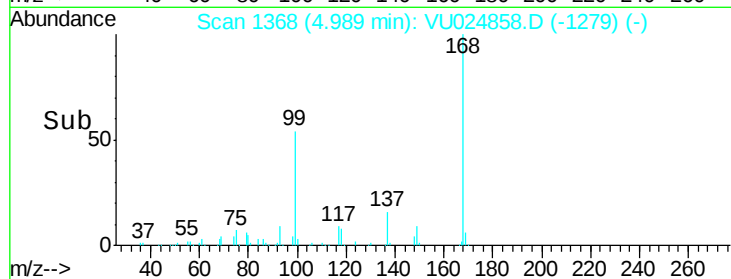
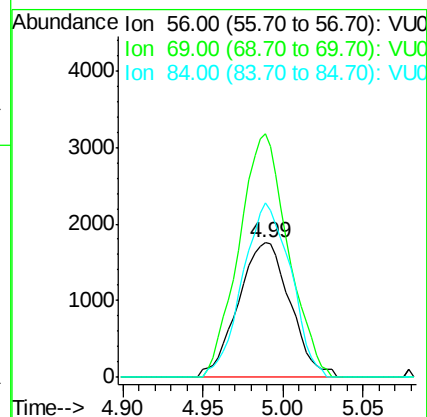
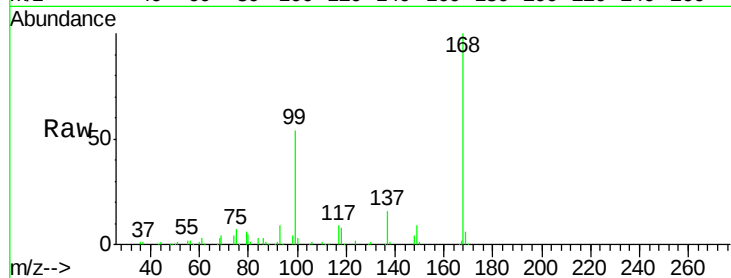




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

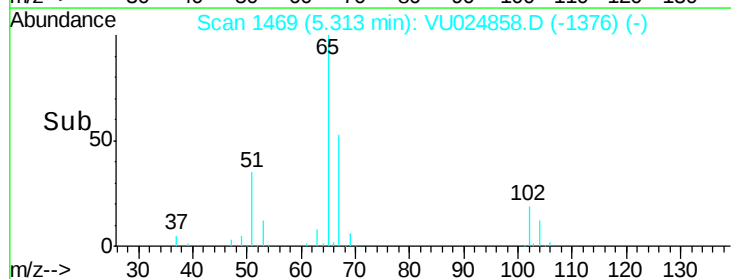
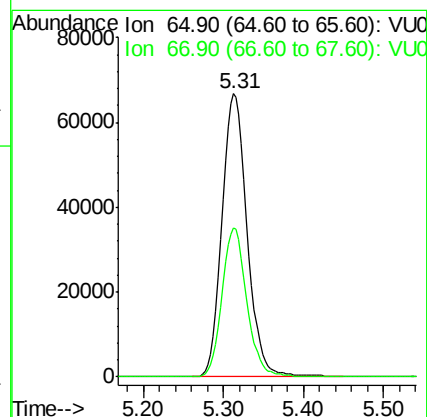
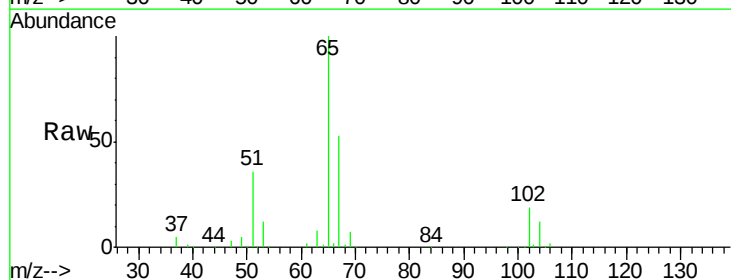
Instrument :
MSVOA_U
ClientSampled :

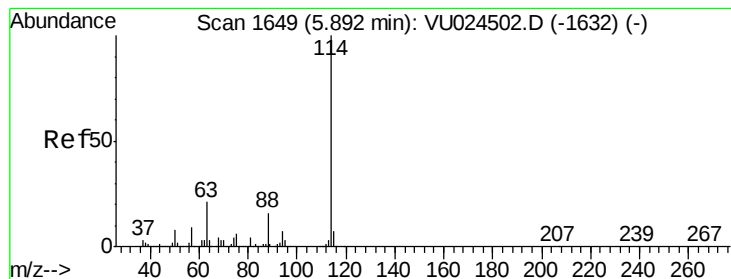
Tot Ion: 56 Resp: 3911
Ion Ratio Lower Upper
56 100
69 181.4 24.8 37.2#
84 130.5 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 45.31 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

Tgt Ion: 65 Resp: 145314
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

Instrument :

MSVOA_U

ClientSampleId :

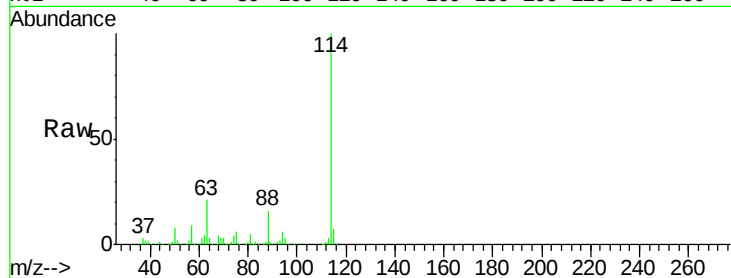
Tot Ion:114 Resp: 298461

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.4

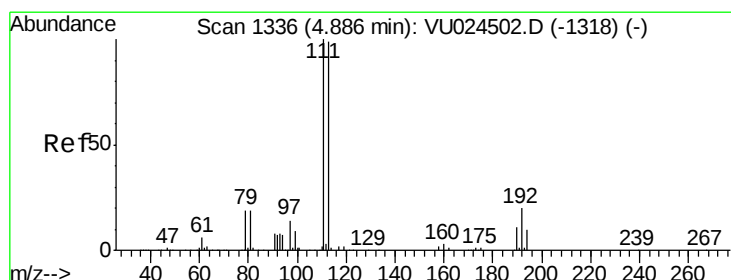
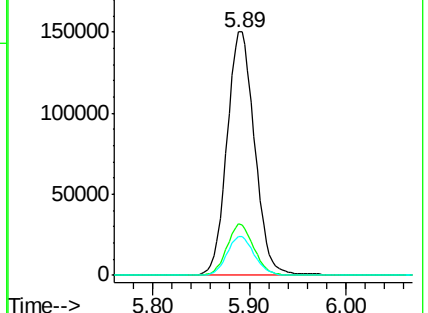
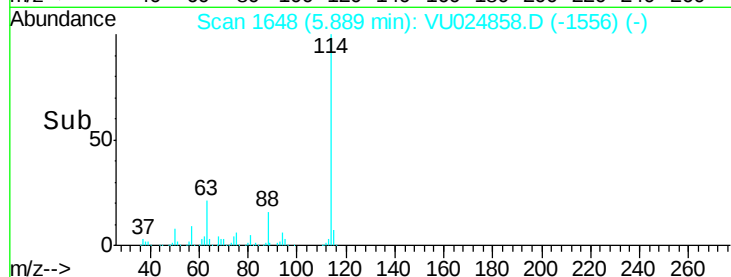
88 15.7 0.0 31.0



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: 46.10 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

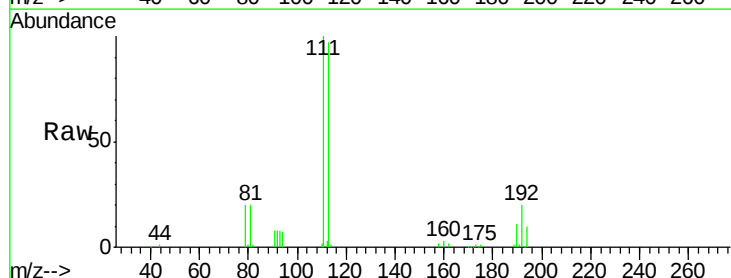
Tgt Ion:113 Resp: 114178

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

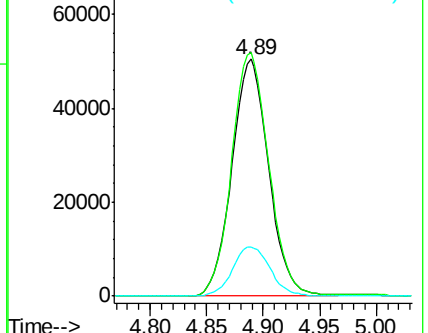
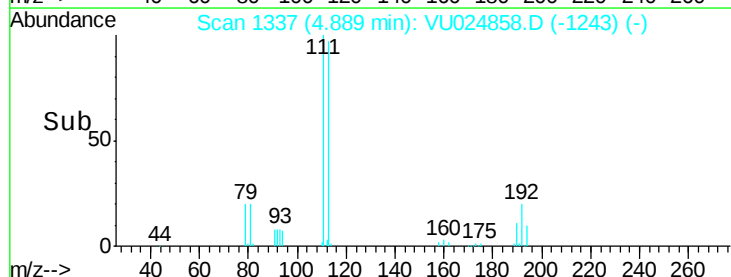
192 21.4 16.2 24.4

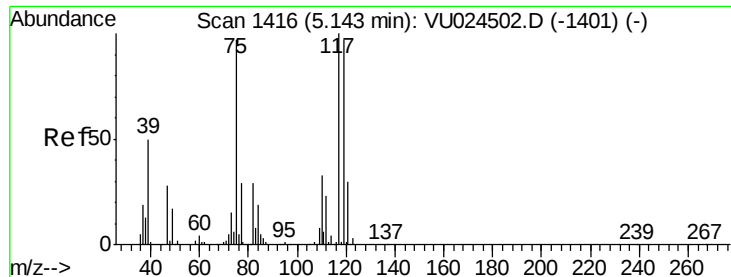


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.14 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

Instrument :
MSVOA_U
ClientSampleId :

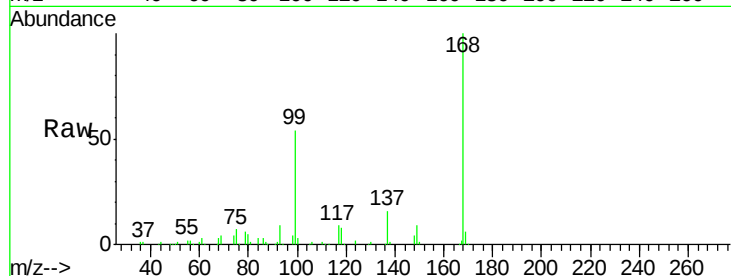
Tot Ion: 75 Resp: 14527

Ion Ratio Lower Upper

75 100

110 8.3 17.0 50.9#

77 0.0 24.2 36.4#

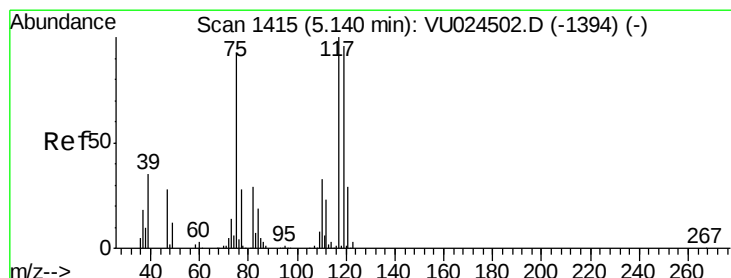
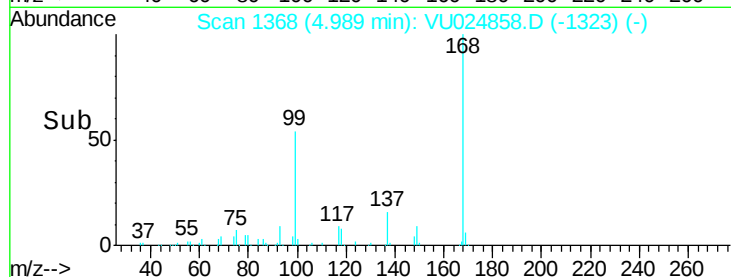


Abundance Ion 74.90 (74.60 to 75.60): VU024858.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024858.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024858.D (-1323) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.84 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

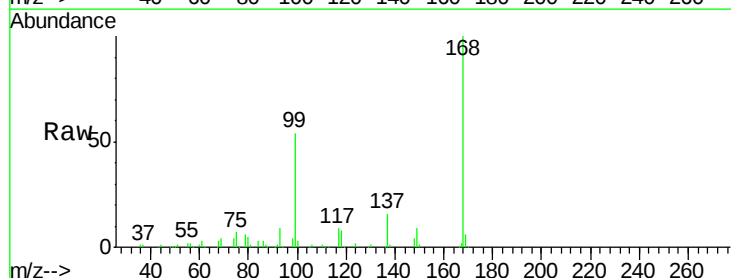
Tgt Ion: 117 Resp: 18663

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

121 0.0 23.7 35.5#

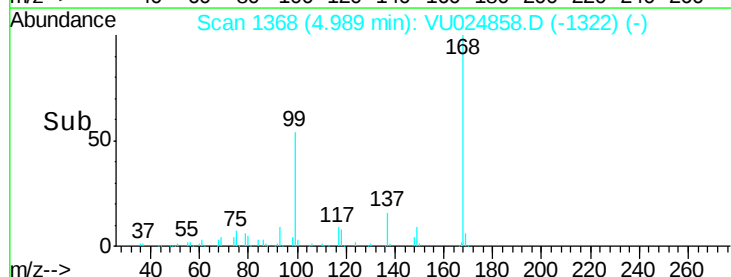


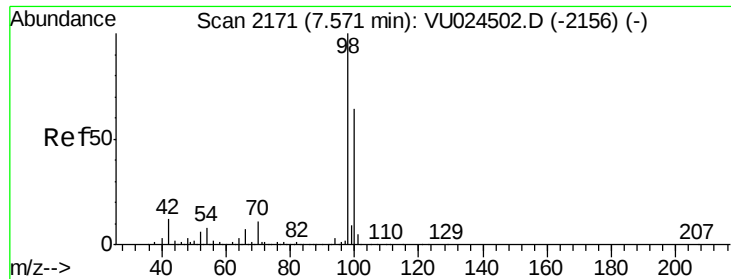
Abundance Ion 116.80 (116.50 to 117.50): VU024858.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024858.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024858.D (-1322) (-)

Time-->

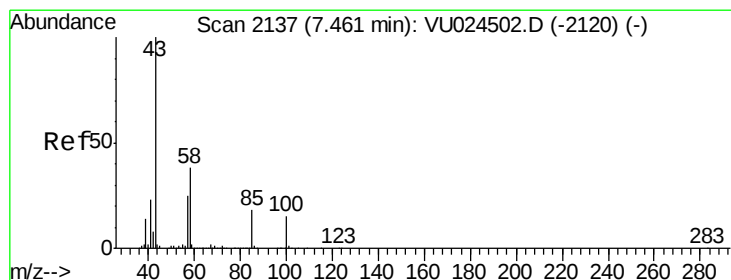
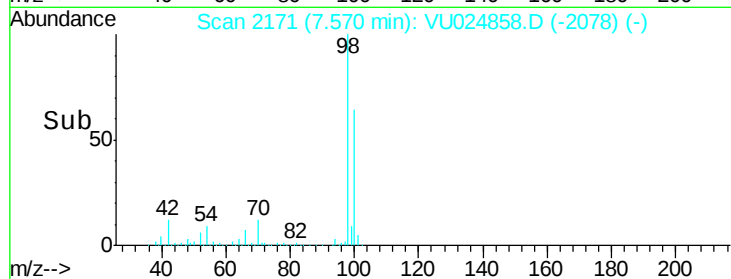
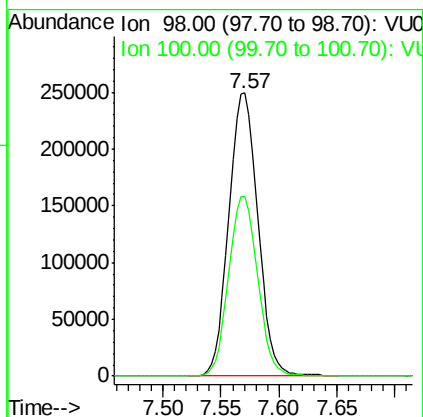
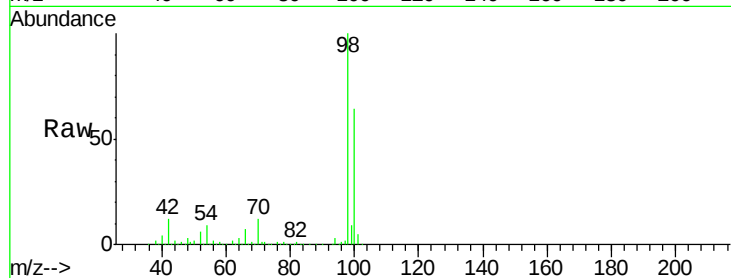




#50
Toluene-d8
Concen: 47.92 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

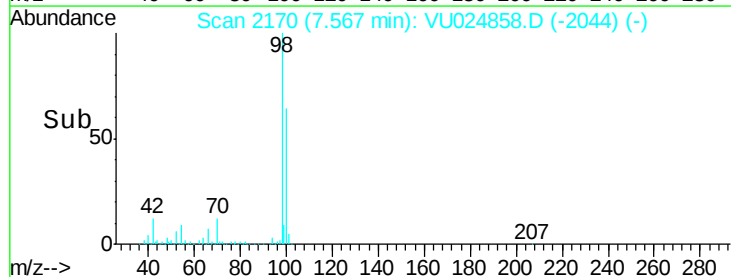
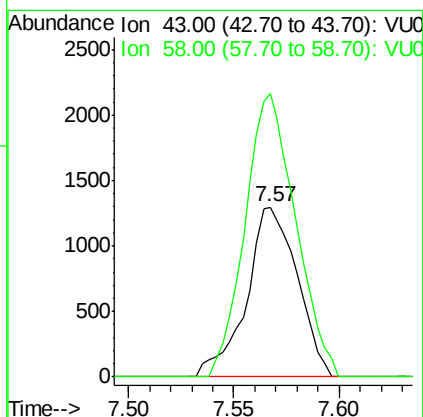
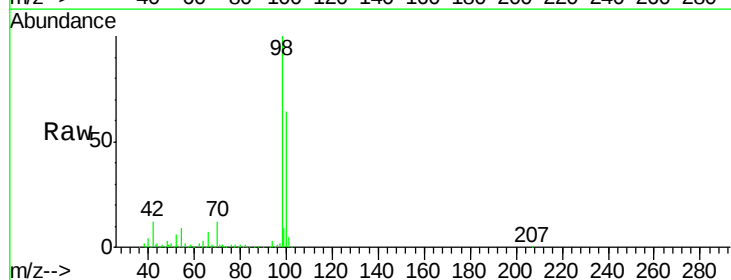
Instrument :
MSVOA_U
ClientSampleId :

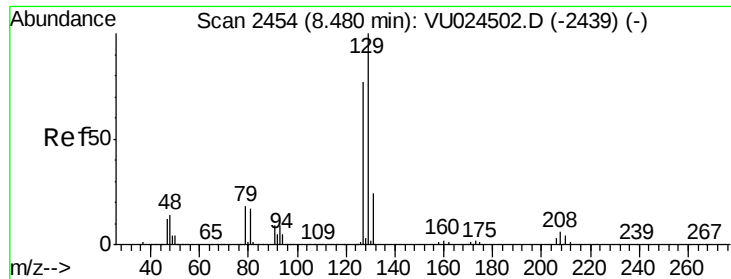
Tot Ion: 98 Resp: 432991
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.11 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

Tgt Ion: 43 Resp: 2168
Ion Ratio Lower Upper
43 100
58 165.8 30.0 45.0#





#60

Dibromochloromethane

Concen: 0.46 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

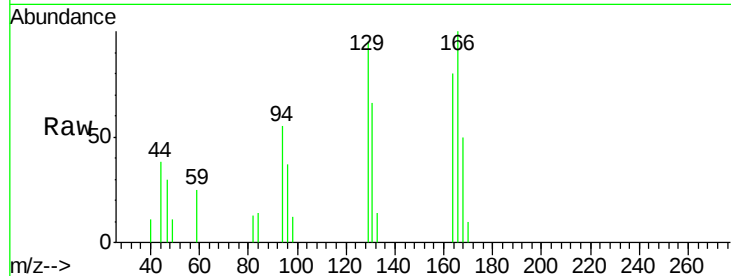
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 1493

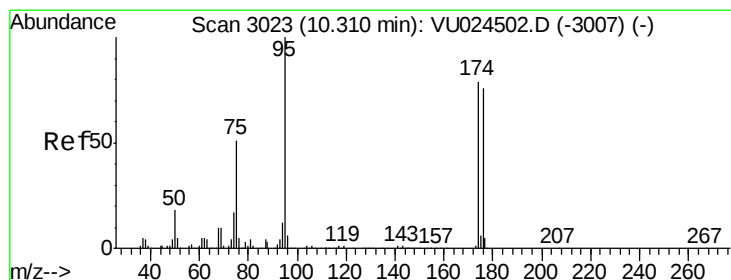
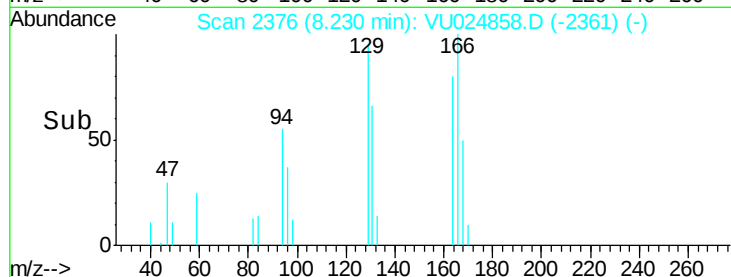
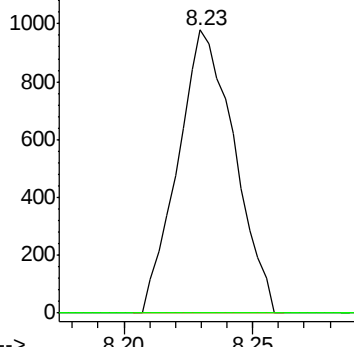
Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.20 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

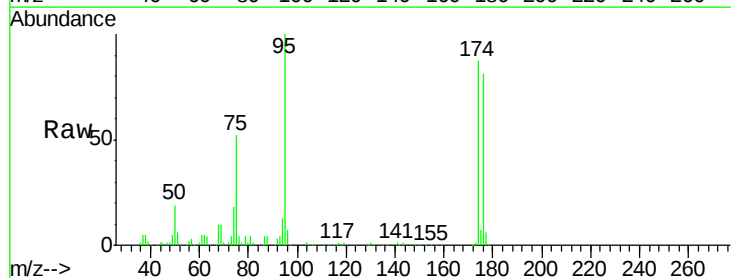
Tgt Ion: 95 Resp: 158546

Ion Ratio Lower Upper

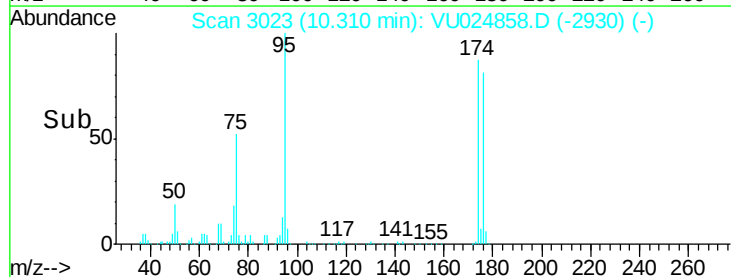
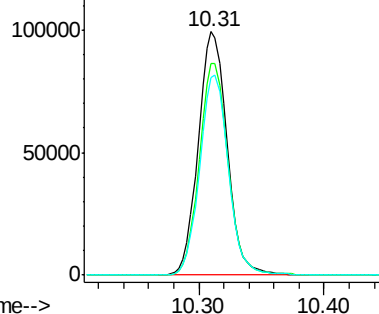
95 100

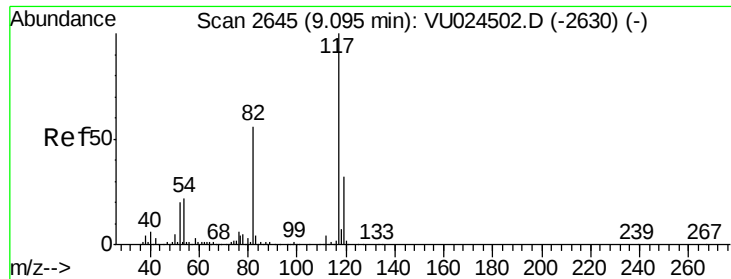
174 86.2 0.0 165.8

176 81.6 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

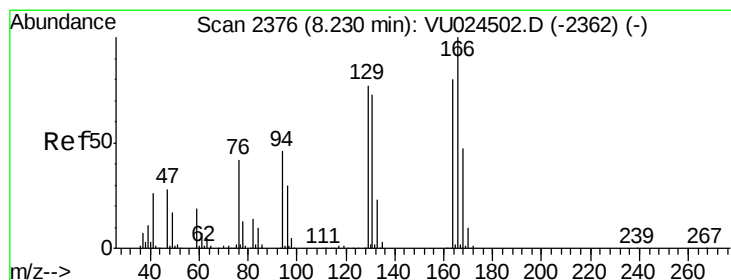
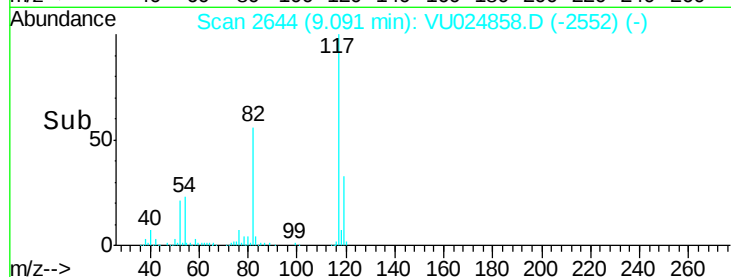
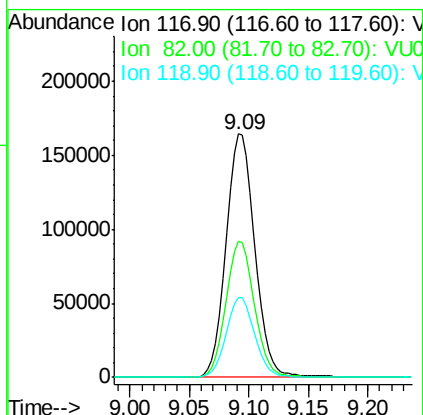
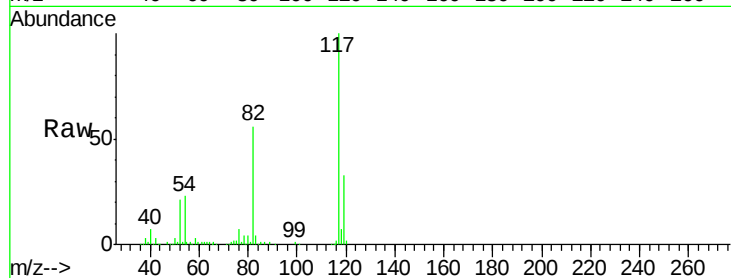




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

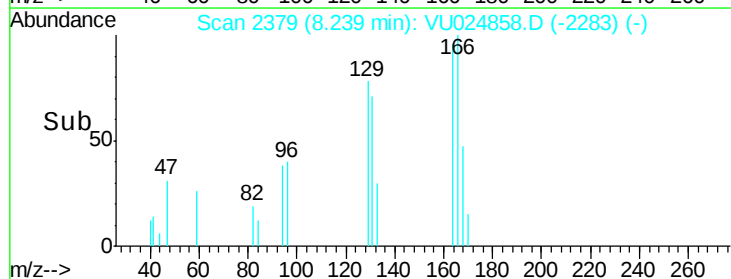
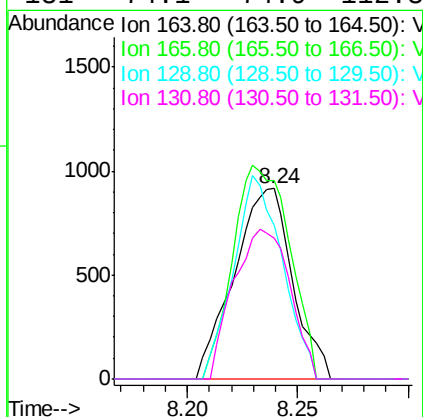
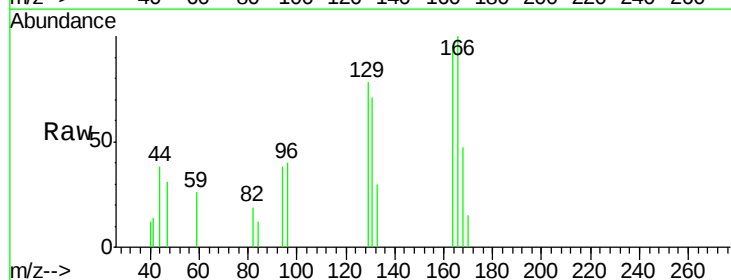
Instrument :
MSVOA_U
ClientSampleId :

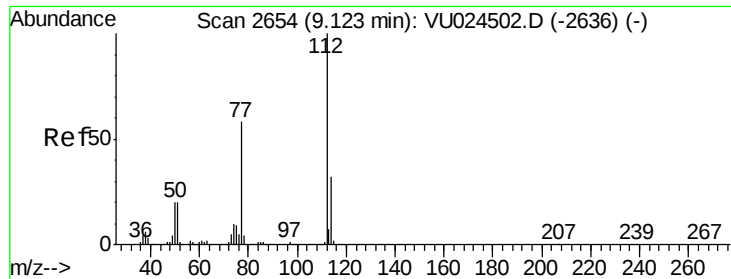
Tot Ion:117 Resp: 276145
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 32.8 25.4 38.2



#64
Tetrachloroethene
Concen: 0.64 ug/l
RT: 8.24 min Scan# 2379
Delta R.T. 0.01 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

Tgt Ion:164 Resp: 1682
Ion Ratio Lower Upper
164 100
166 104.3 101.7 152.5
129 81.0 76.9 115.3
131 74.1 74.9 112.3#

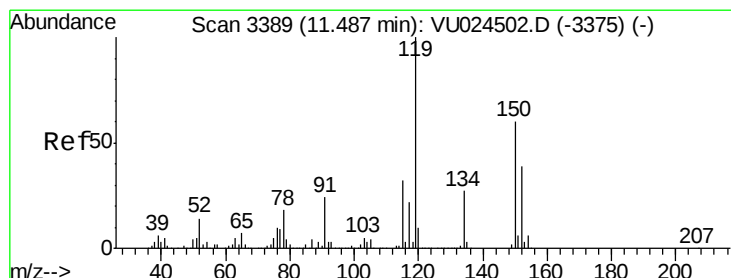
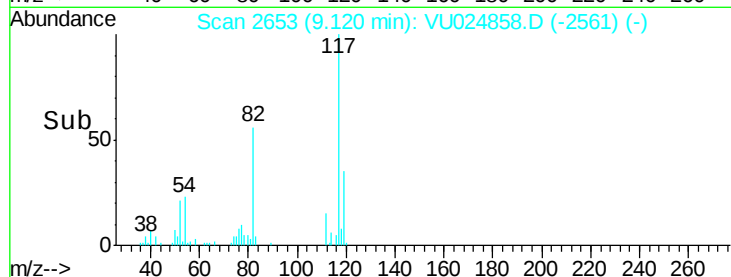
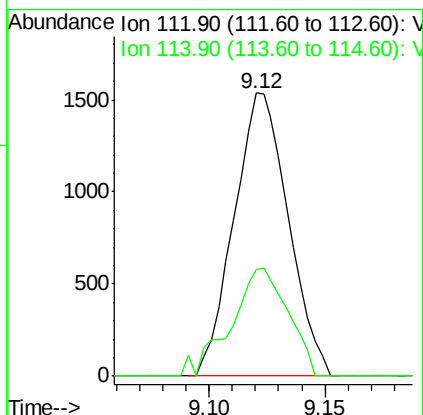
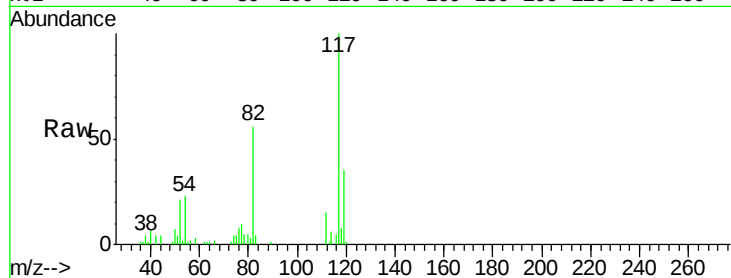




#65
Chlorobenzene
Concen: 0.35 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

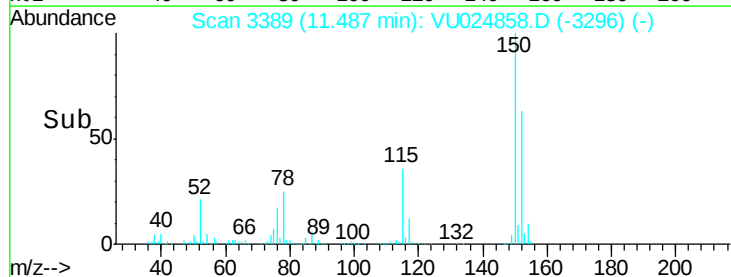
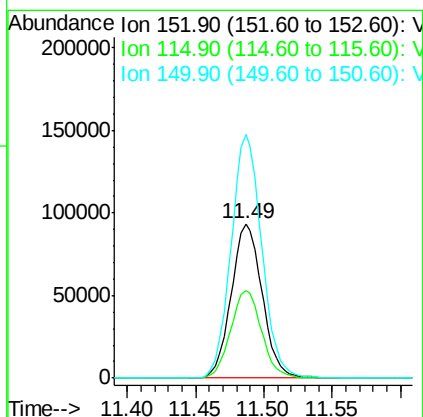
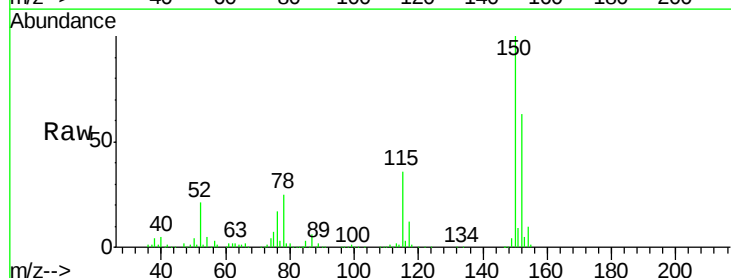
Instrument :
MSVOA_U
ClientSampleId :

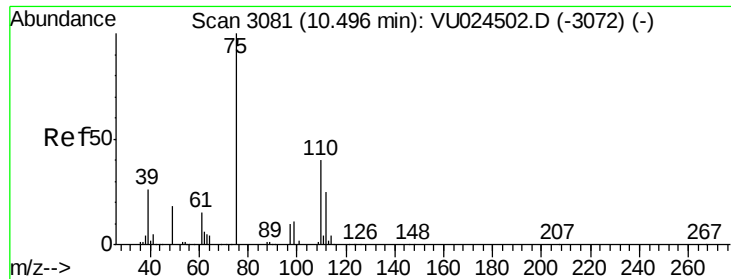
Tot Ion:112 Resp: 2499
Ion Ratio Lower Upper
112 100
114 37.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024858.D
Acq: 23 Jun 2018 01:54

Tgt Ion:152 Resp: 147238
Ion Ratio Lower Upper
152 100
115 56.9 43.0 129.0
150 156.8 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 25.18 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

Instrument :

MSVOA_U

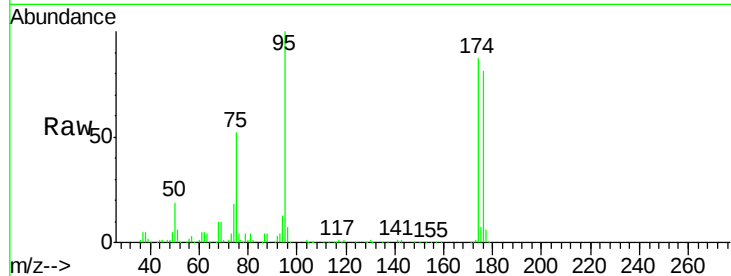
ClientSampleId :

Tot Ion: 75 Resp: 81617

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

60000

50000

40000

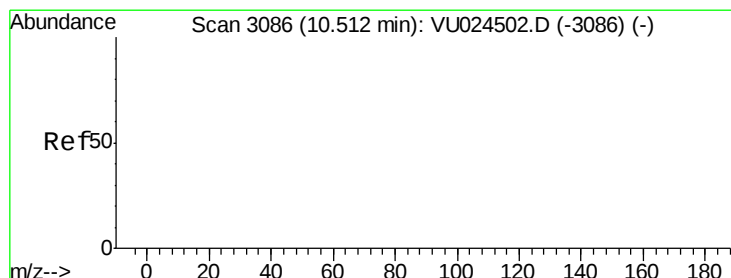
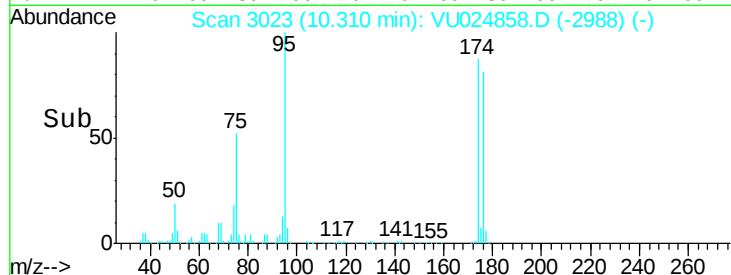
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.27 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

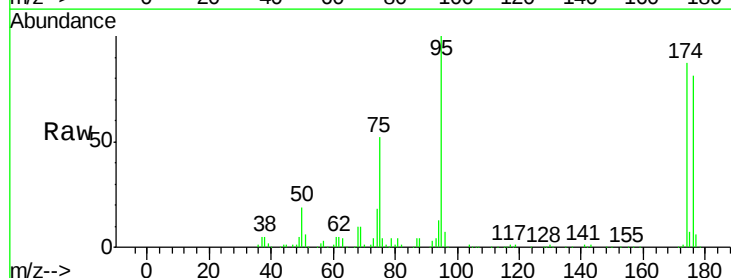
Tgt Ion: 75 Resp: 81617

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

10.31

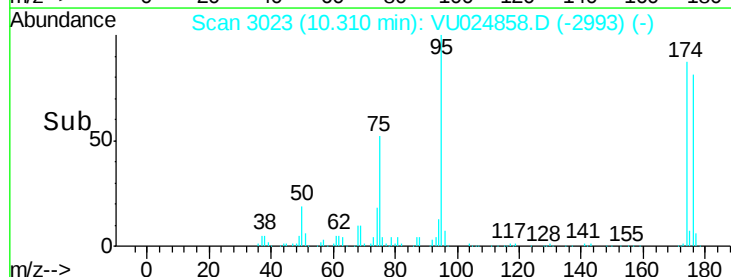
60000

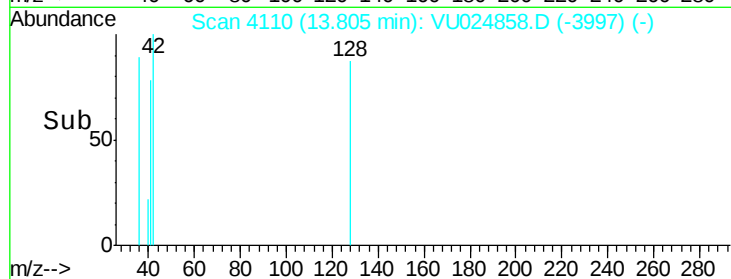
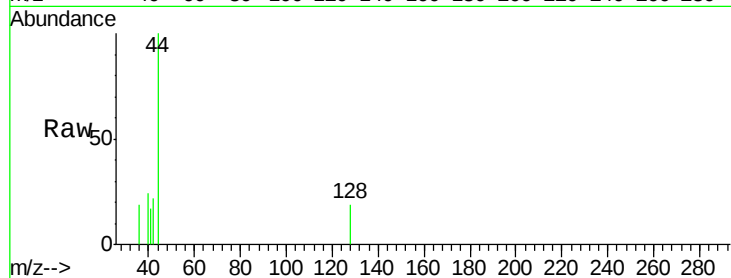
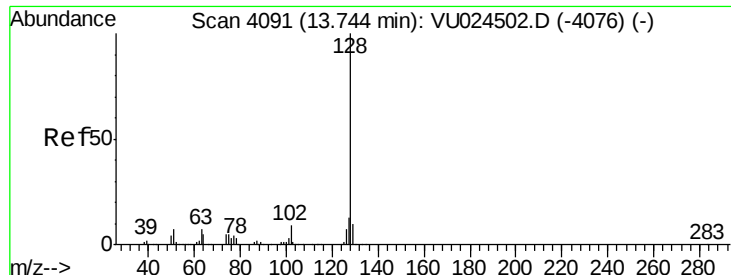
40000

20000

0

Time-->





#95

Naphthalene

Concen: 0.68 ug/l

RT: 13.80 min Scan# 4110

Delta R.T. 0.06 min

Lab File: VU024858.D

Acq: 23 Jun 2018 01:54

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	128	Resp:	23
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

