

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024558.D
 Acq On : 14 Jun 2018 23:03
 Operator : MD/SY
 Sample : VU0614WBL02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:45:50 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

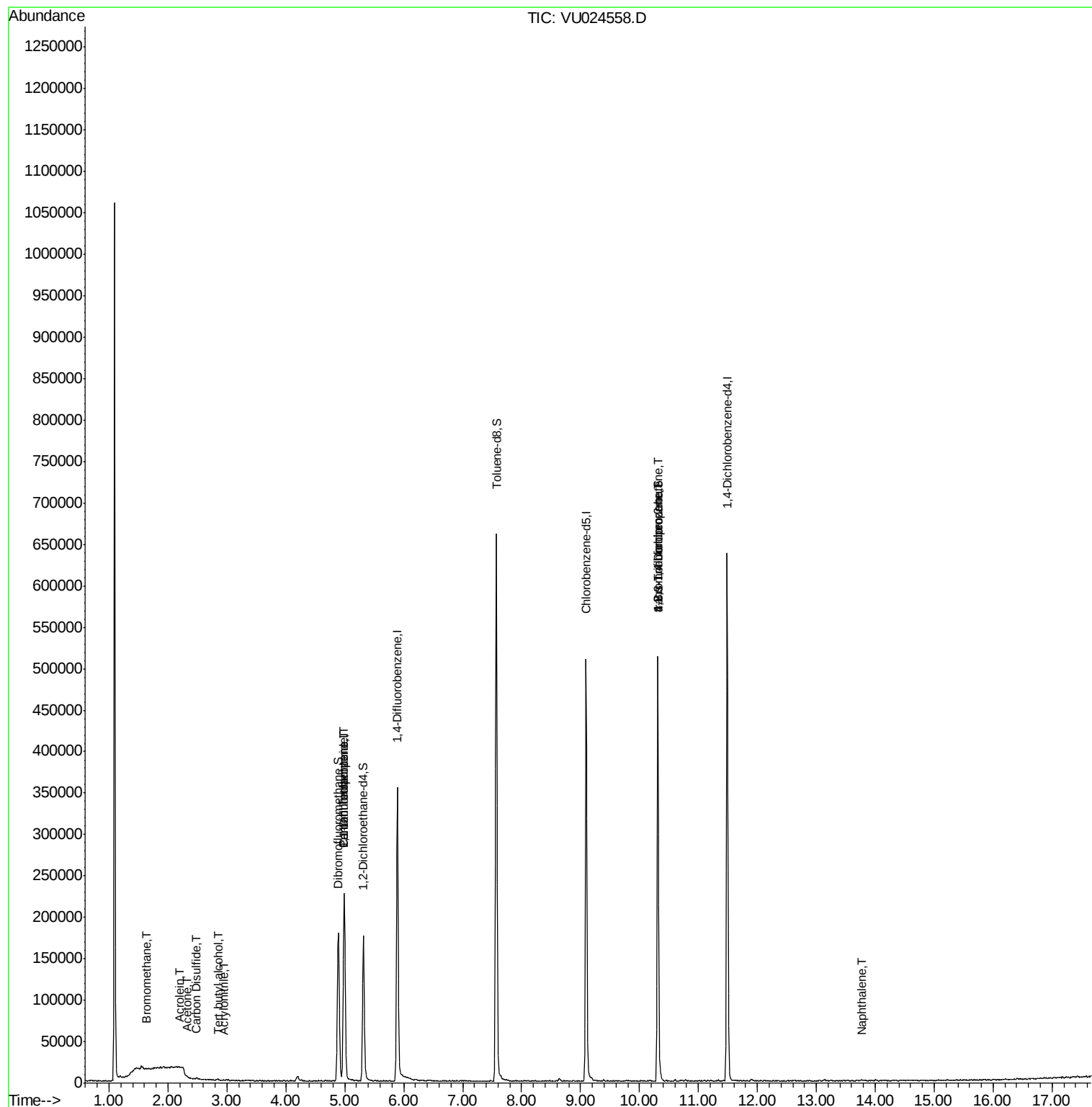
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	184722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309754	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	295468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	173098	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	134600	44.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.26%	
35) Dibromofluoromethane	4.89	113	123485	48.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.08%	
50) Toluene-d8	7.57	98	457099	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	10.31	95	172937	46.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.90%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.63	94	278	0.236	ug/l #	65
6) Chloroethane	1.65	64	128	Below Cal	#	43
8) Diethyl Ether	2.04	74	99	Below Cal		82
11) Tert butyl alcohol	2.85	59	989	1.348	ug/l #	87
13) Acrolein	2.19	56	126	0.327	ug/l #	13
15) Acrylonitrile	2.95	53	303	0.212	ug/l #	27
16) Acetone	2.33	43	340	0.210	ug/l #	47
17) Carbon Disulfide	2.48	76	1777	0.264	ug/l #	91
31) Cyclohexane	4.99	56	4501	Below Cal	#	15
36) 1,1-Dichloropropene	4.99	75	12847	3.530	ug/l #	51
38) Carbon Tetrachloride	4.99	117	16929	4.229	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	85938	22.550	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	85938	52.190	ug/l #	100
95) Naphthalene	13.77	128	1285	0.779	ug/l #	88

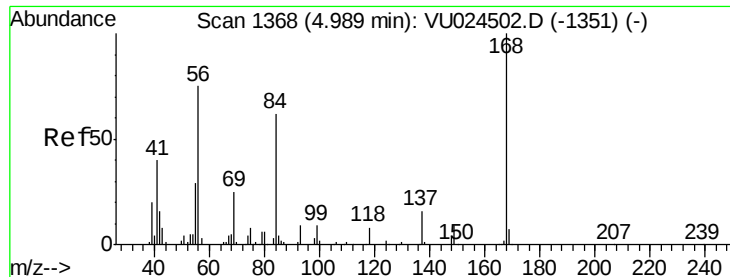
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\
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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: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

Instrument :

MSVOA_U

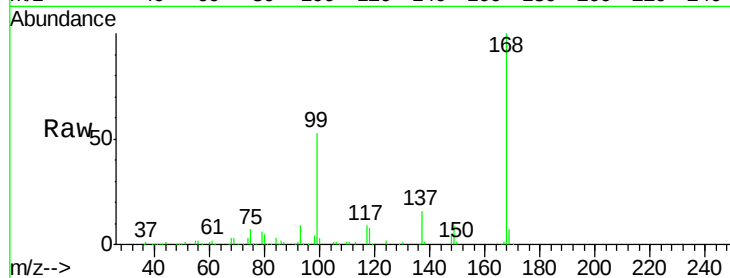
ClientSampled :

Tot Ion:168 Resp: 184722

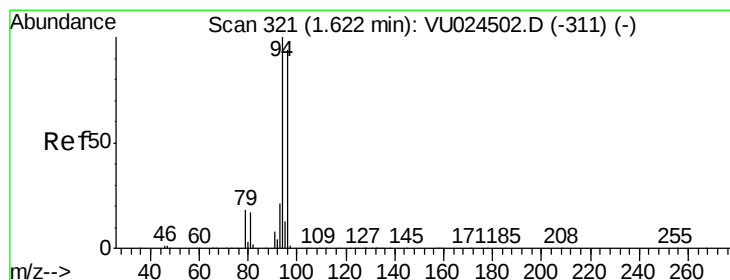
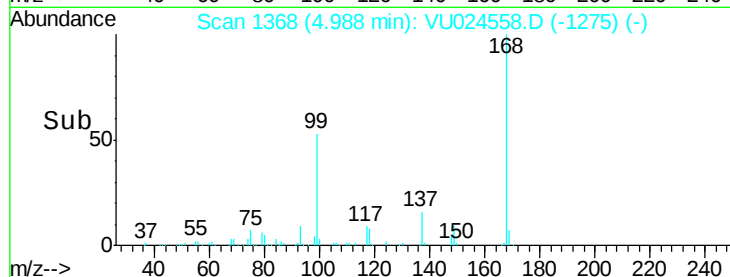
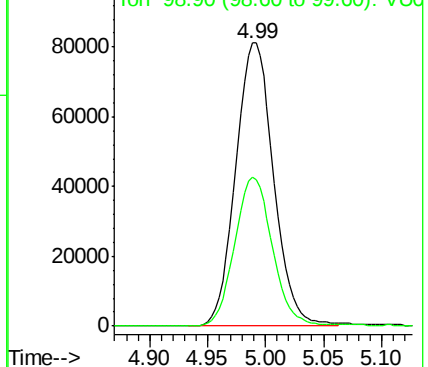
Ion Ratio Lower Upper

168 100

99 52.5 43.2 64.8



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



#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024558.D

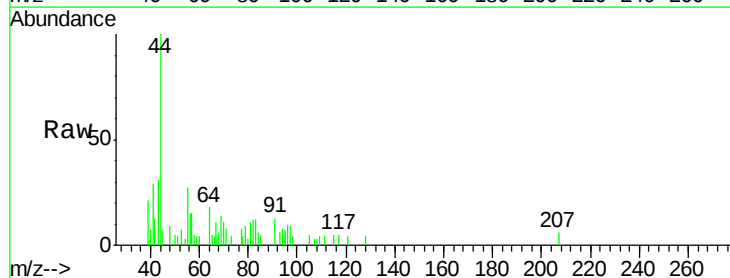
Acq: 14 Jun 2018 23:03

Tgt Ion: 94 Resp: 278

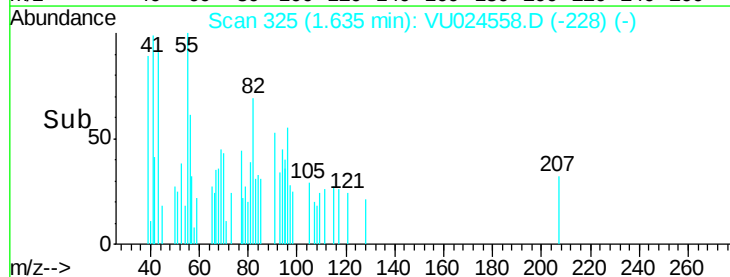
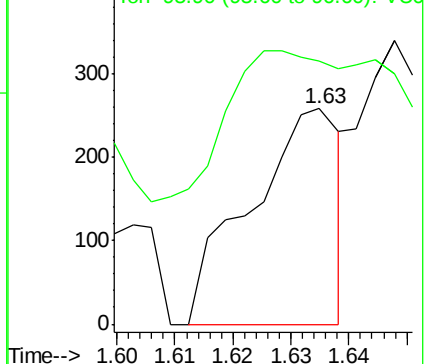
Ion Ratio Lower Upper

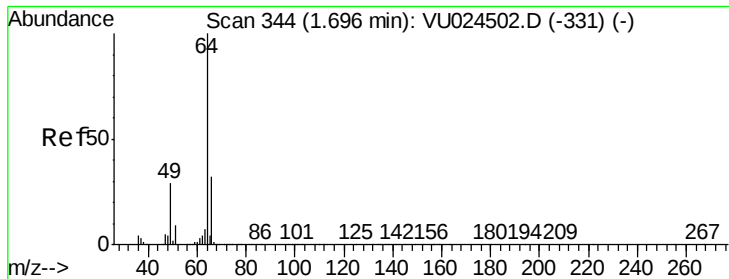
94 100

96 59.7 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 330

Delta R.T. -0.05 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

Instrument :

MSVOA_U

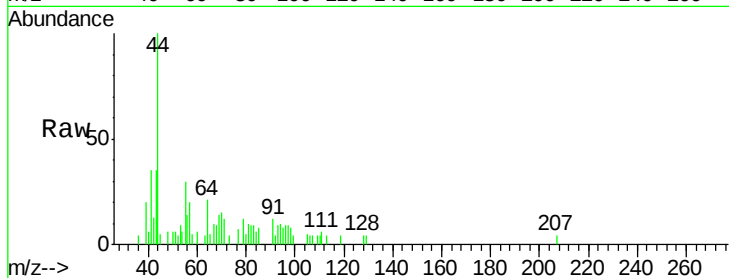
ClientSampleId :

Tot Ion: 64 Resp: 128

Ion Ratio Lower Upper

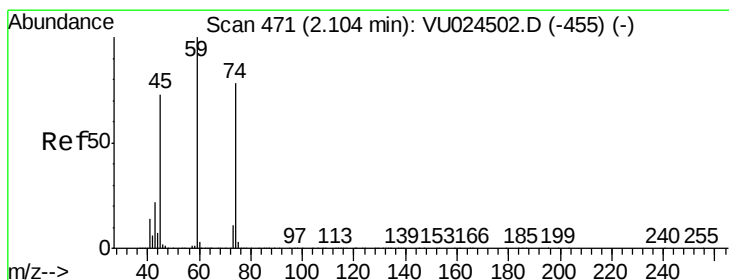
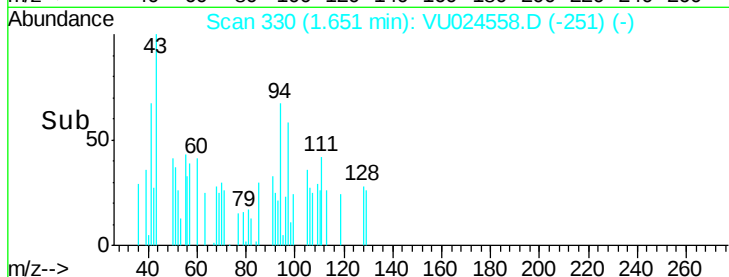
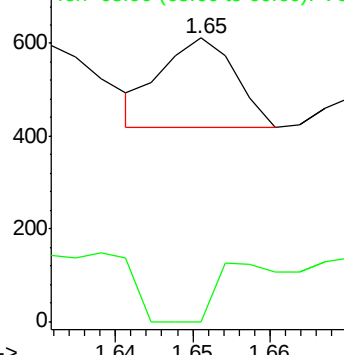
64 100

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



#8

Diethyl Ether

Concen: Below Cal

RT: 2.04 min Scan# 450

Delta R.T. -0.07 min

Lab File: VU024558.D

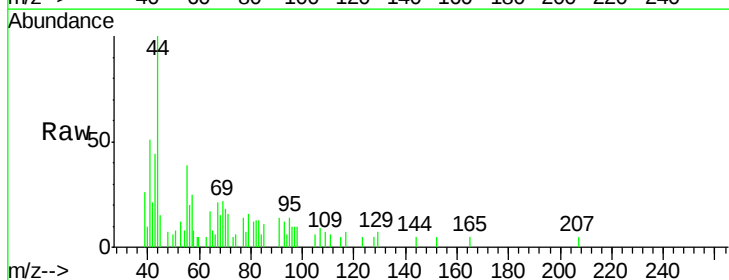
Acq: 14 Jun 2018 23:03

Tgt Ion: 74 Resp: 99

Ion Ratio Lower Upper

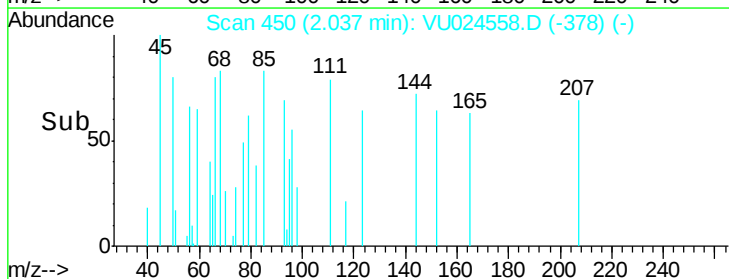
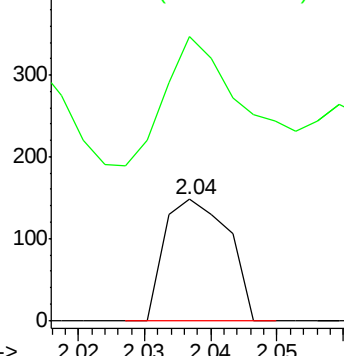
74 100

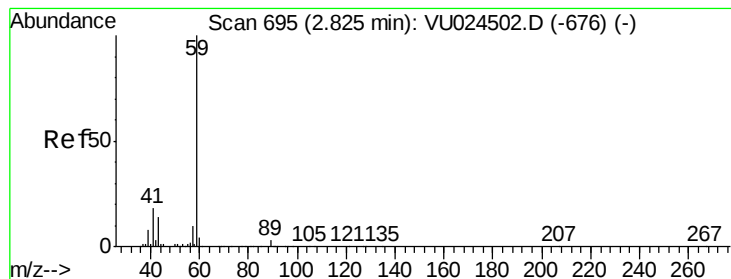
45 129.3 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



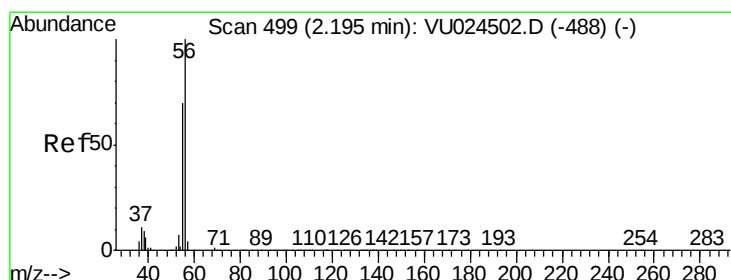
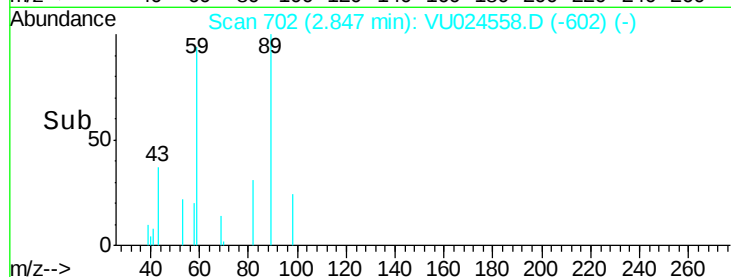
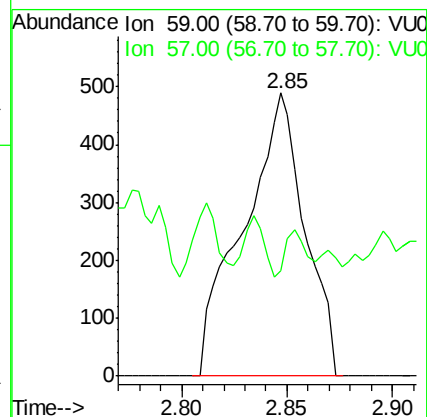
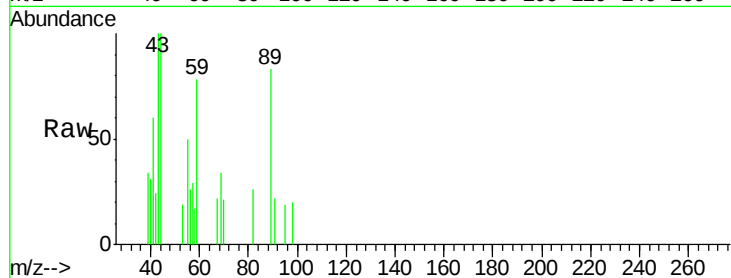


#11

Tert butyl alcohol
 Concen: 1.348 ug/l
 RT: 2.85 min Scan# 702
 Delta R.T. 0.02 min
 Lab File: VU024558.D
 Acq: 14 Jun 2018 23:03

Instrument :
 MSVOA_U
 ClientSampleId :

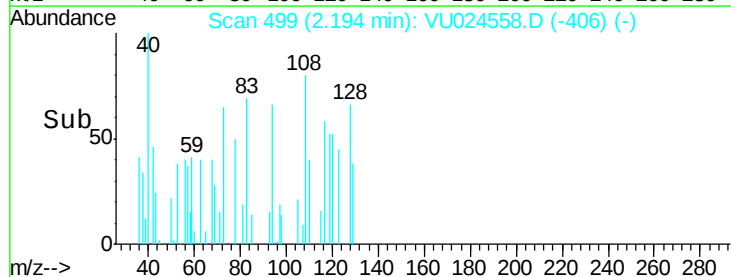
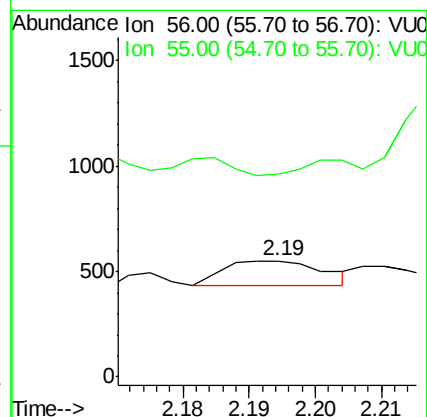
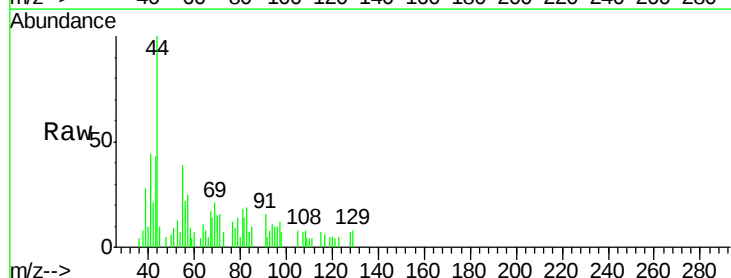
Tot Ion: 59 Resp: 989
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.5 12.7#

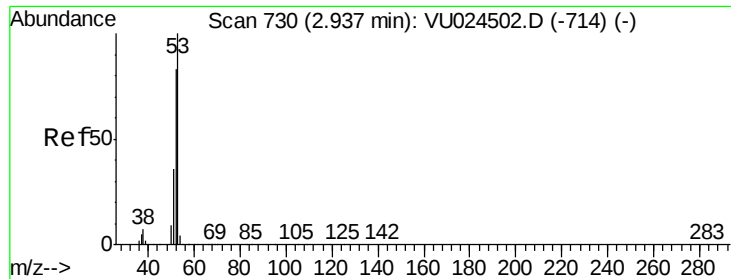


#13

Acrolein
 Concen: 0.327 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU024558.D
 Acq: 14 Jun 2018 23:03

Tgt Ion: 56 Resp: 126
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#





#15

Acrylonitrile

Concen: 0.212 ug/l

RT: 2.95 min Scan# 735

Delta R.T. 0.02 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

Instrument :

MSVOA_U

ClientSampleId :

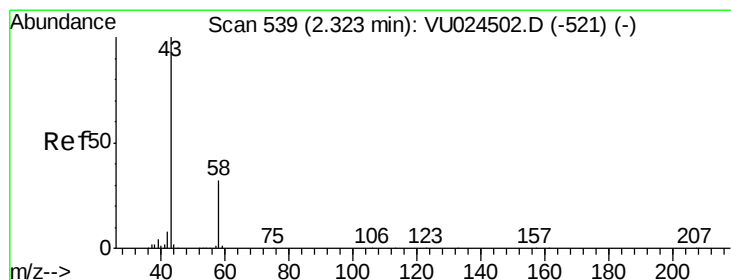
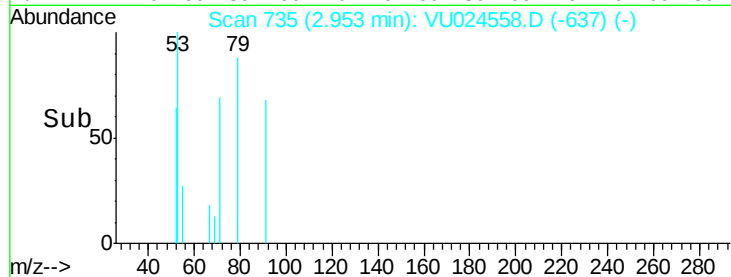
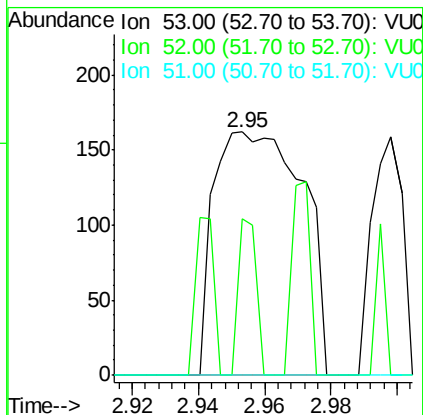
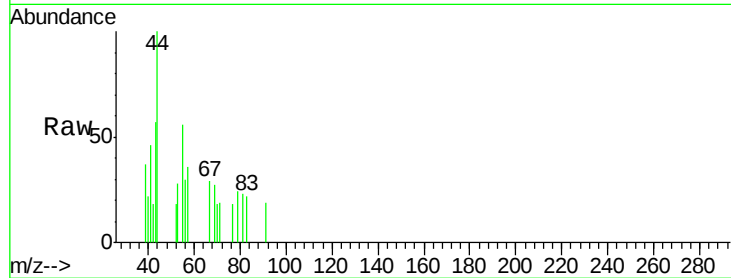
Tot Ion: 53 Resp: 303

Ion Ratio Lower Upper

53 100

52 12.9 67.1 100.7#

51 0.0 28.4 42.6#



#16

Acetone

Concen: 0.210 ug/l

RT: 2.33 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU024558.D

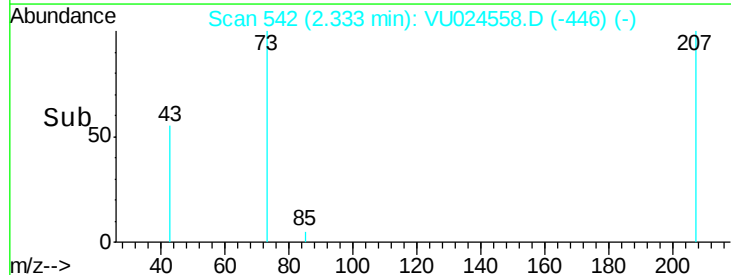
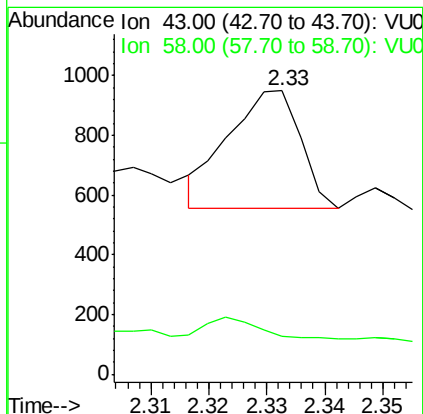
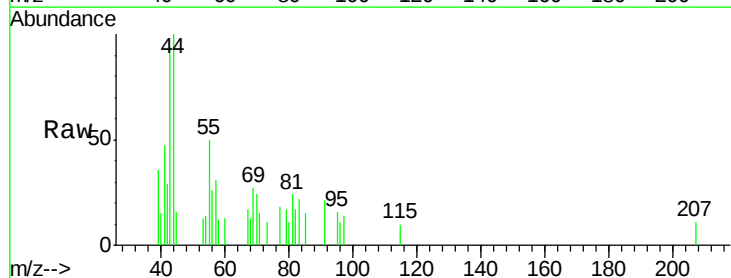
Acq: 14 Jun 2018 23:03

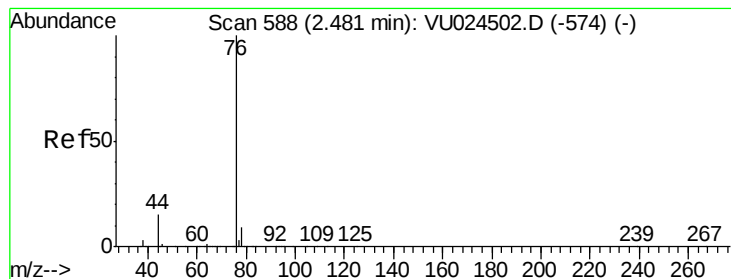
Tgt Ion: 43 Resp: 340

Ion Ratio Lower Upper

43 100

58 1.8 24.4 36.6#





#17

Carbon Disulfide

Concen: 0.264 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

Instrument :

MSVOA_U

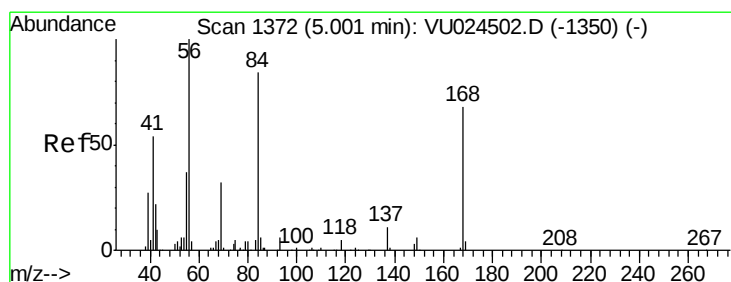
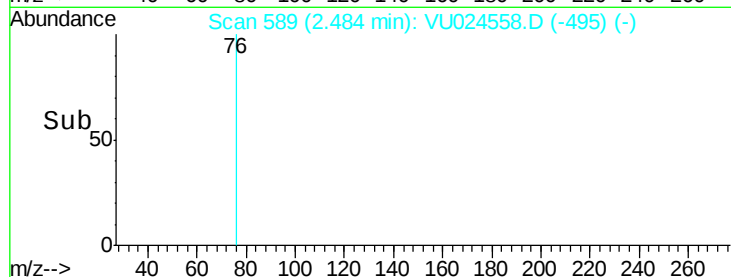
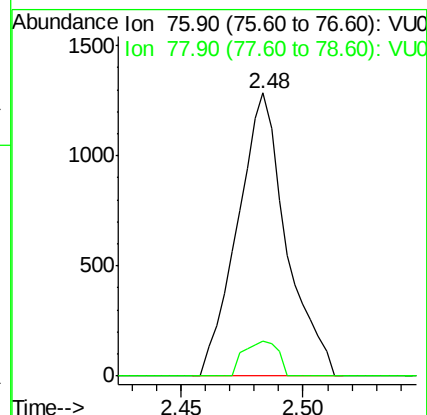
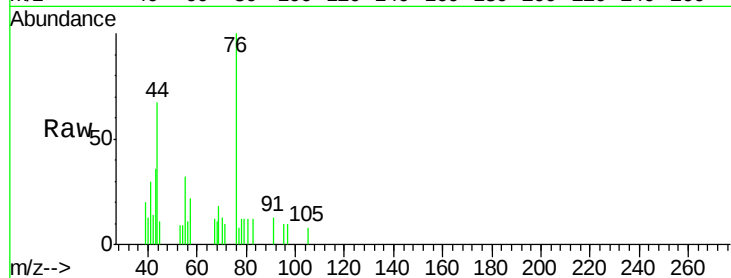
ClientSampled :

Tot Ion: 76 Resp: 1777

Ion Ratio Lower Upper

76 100

78 12.3 7.1 10.7#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

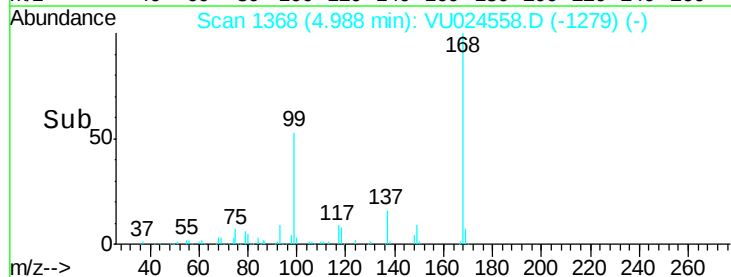
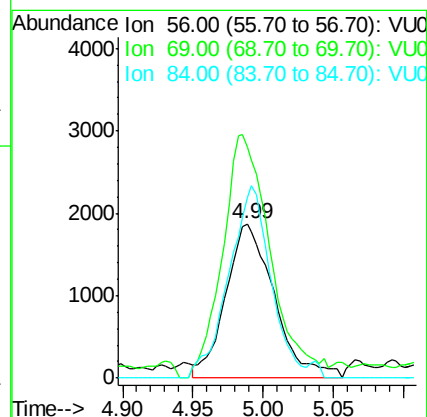
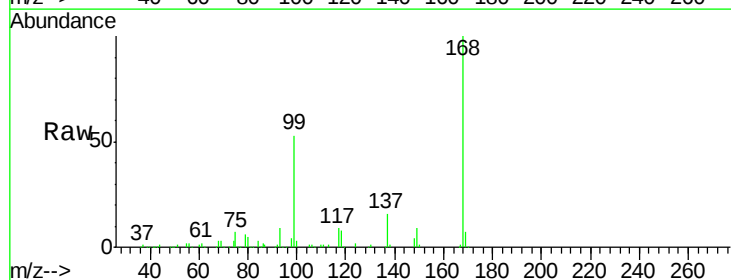
Tgt Ion: 56 Resp: 4501

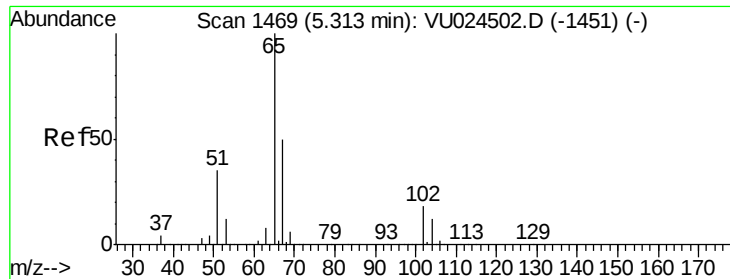
Ion Ratio Lower Upper

56 100

69 142.2 24.8 37.2#

84 117.3 65.2 97.8#

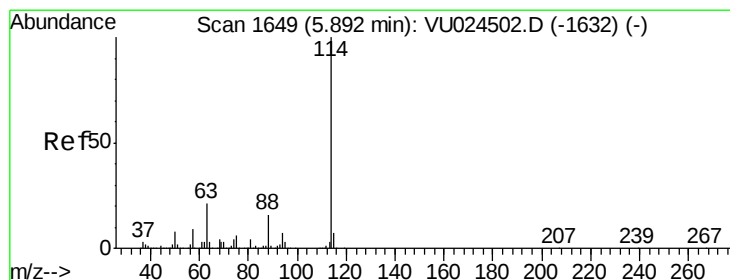
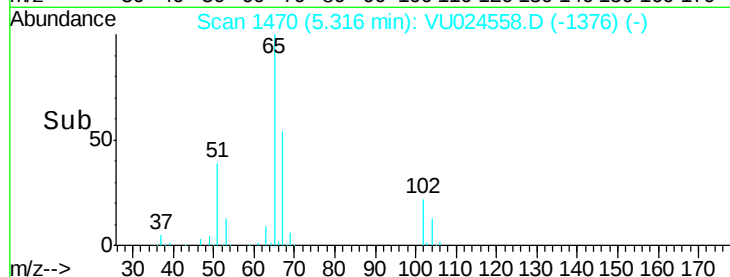
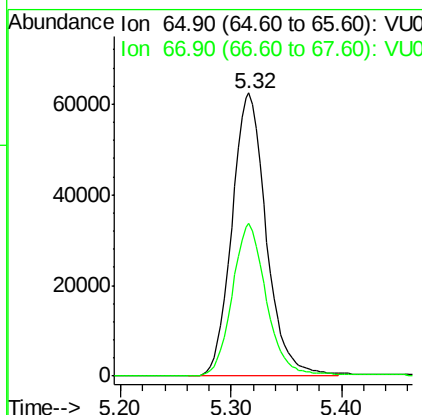
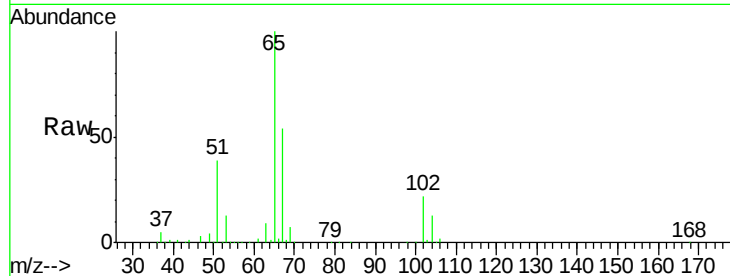




#33
 1,2-Dichloroethane-d4
 Concen: 44.634 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU024558.D
 Acq: 14 Jun 2018 23:03

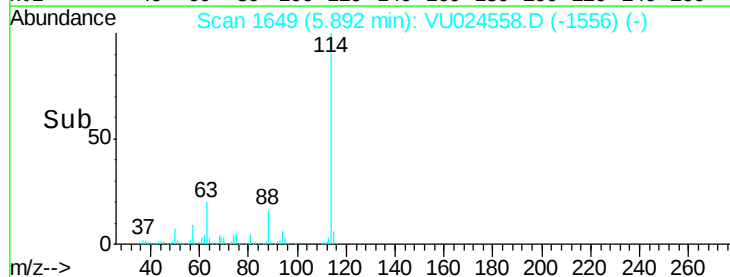
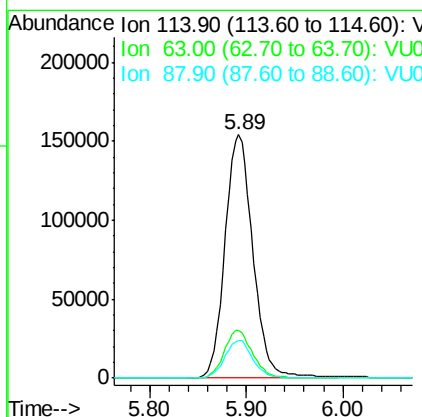
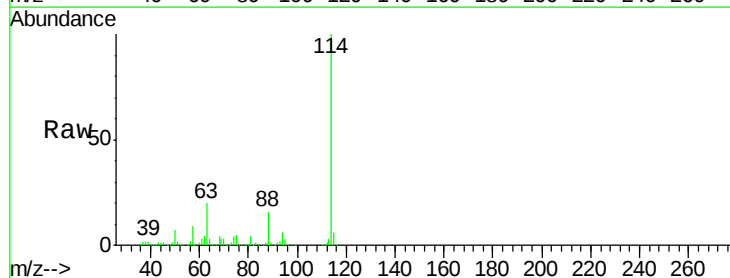
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 134600
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024558.D
 Acq: 14 Jun 2018 23:03

Tgt Ion: 114 Resp: 309754
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 45.4
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.035 ug/l

RT: 4.89 min Scan# 1337

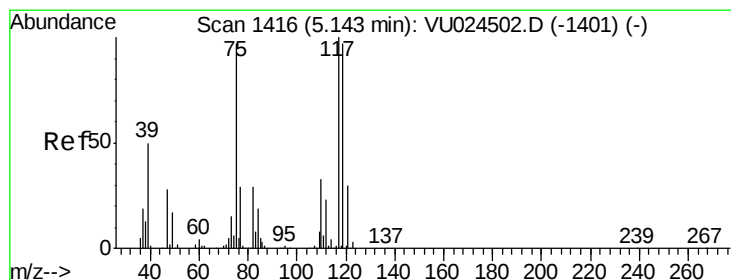
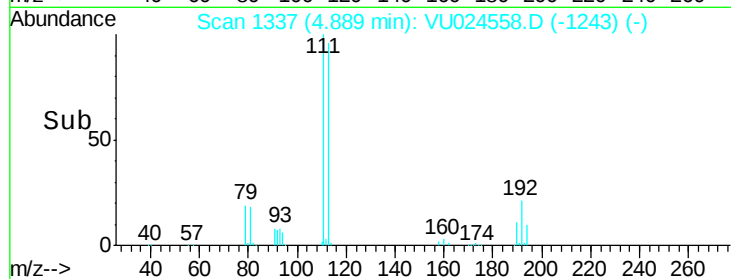
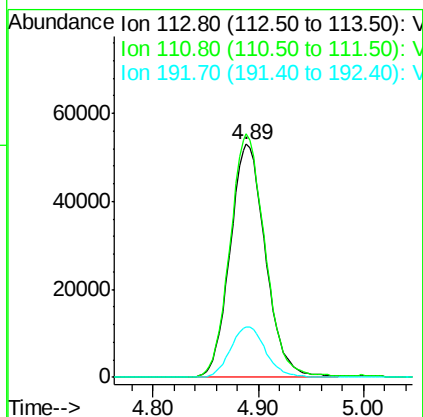
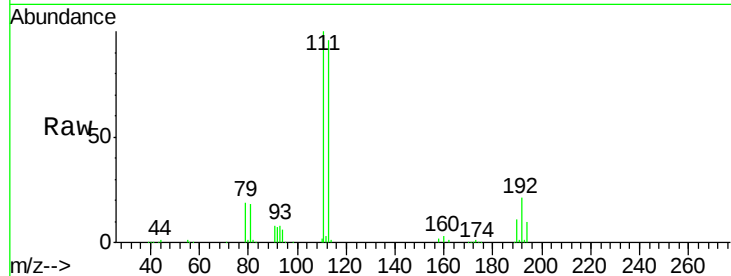
Delta R.T. 0.00 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	113	Resp:	123485
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	21.6	16.2	24.4



#36

1,1-Dichloropropene

Concen: 3.530 ug/l

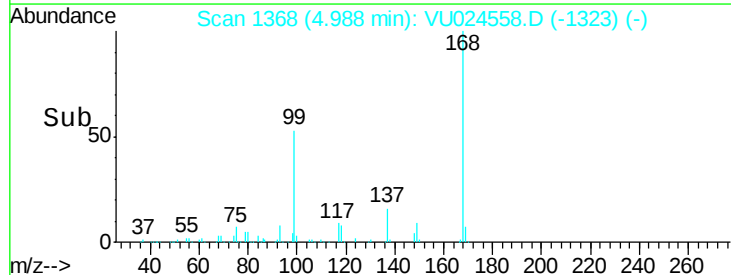
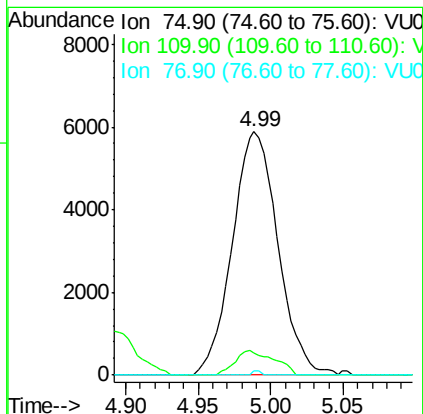
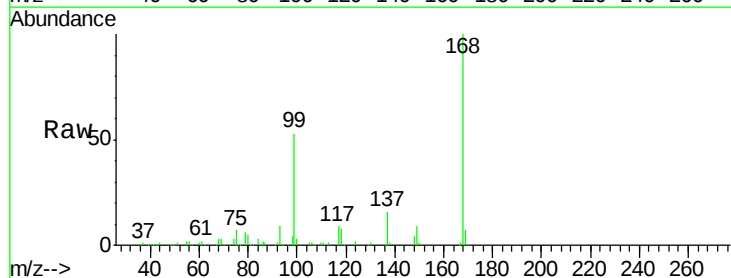
RT: 4.99 min Scan# 1368

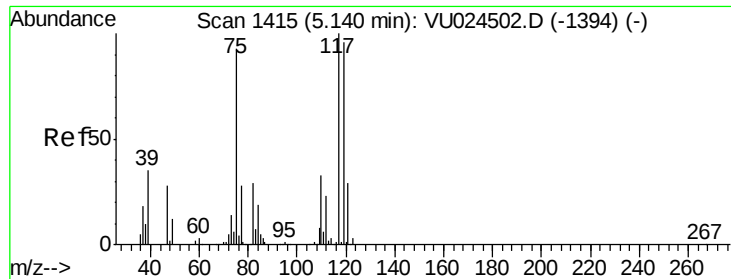
Delta R.T. -0.15 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

Tgt Ion:	75	Resp:	12847
Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.0	50.9#
77	0.3	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.229 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

Instrument :

MSVOA_U

ClientSampleId :

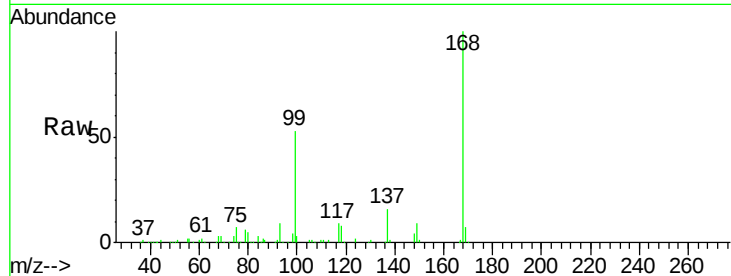
Tot Ion:117 Resp: 16929

Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

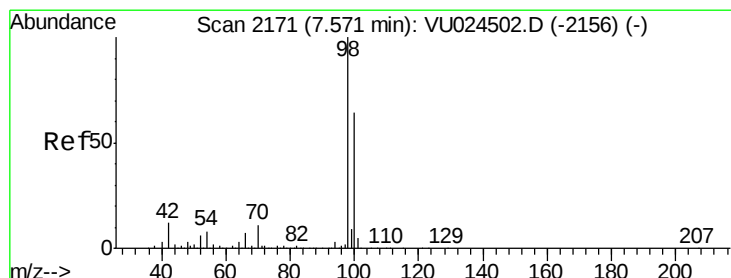
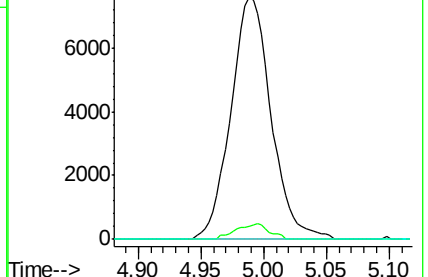
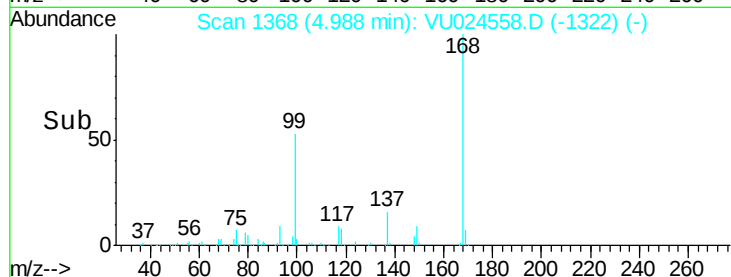
121 0.0 23.7 35.5#



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: 48.747 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024558.D

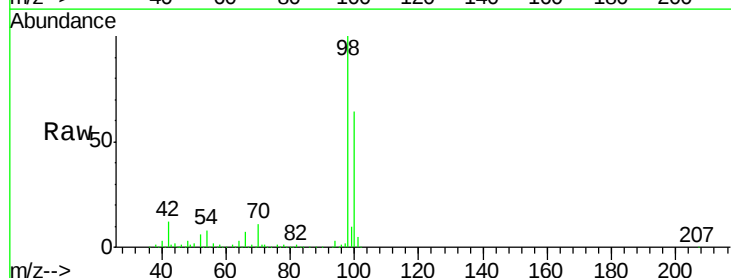
Acq: 14 Jun 2018 23:03

Tgt Ion: 98 Resp: 457099

Ion Ratio Lower Upper

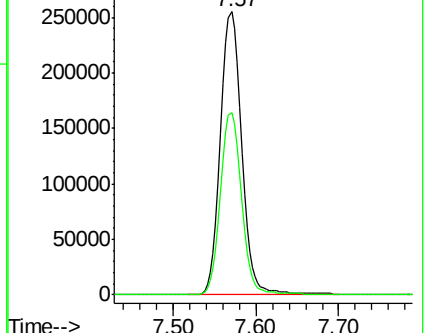
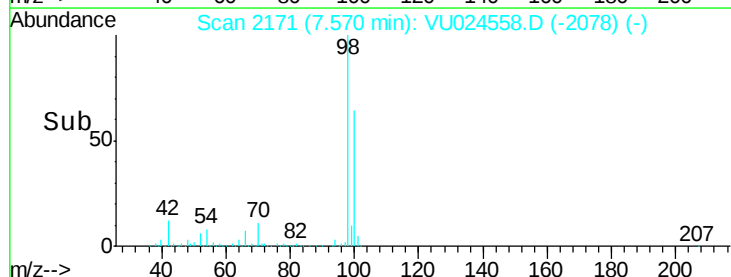
98 100

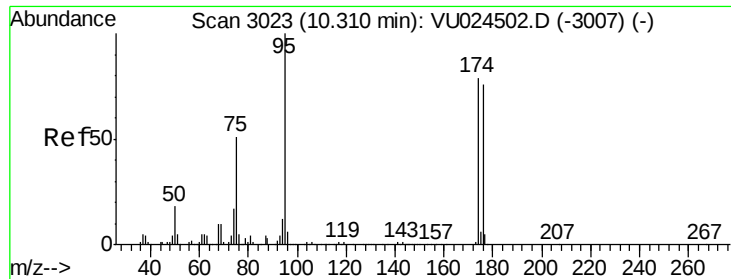
100 63.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 46.451 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

Instrument :

MSVOA_U

ClientSampled :

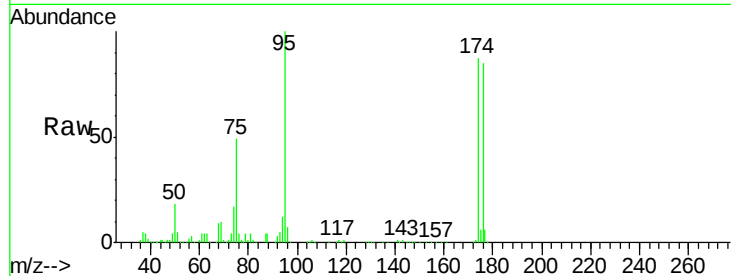
Tot Ion: 95 Resp: 172937

Ion Ratio Lower Upper

95 100

174 85.0 0.0 165.8

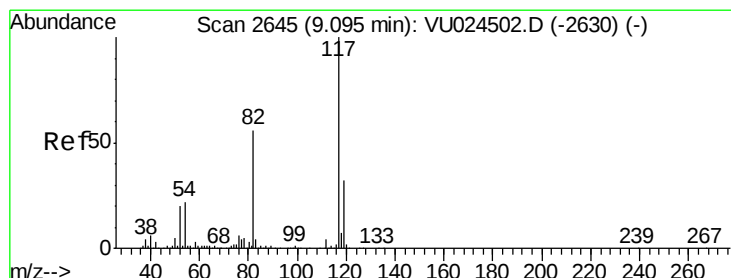
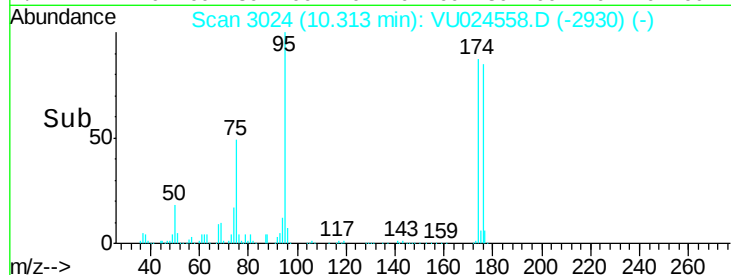
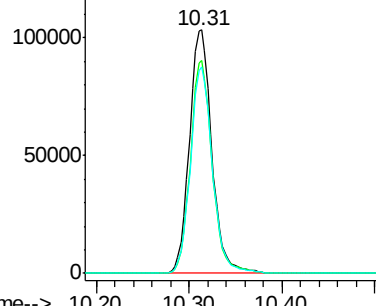
176 83.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

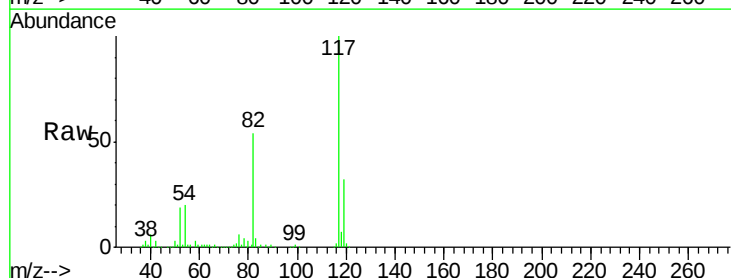
Tgt Ion: 117 Resp: 295468

Ion Ratio Lower Upper

117 100

82 54.1 44.3 66.5

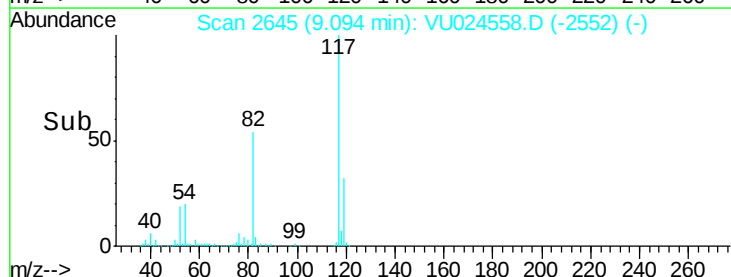
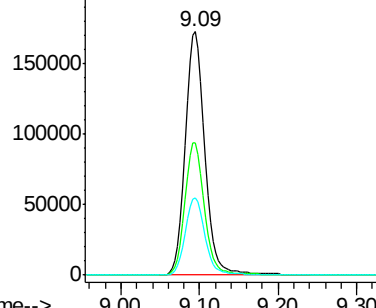
119 31.7 25.4 38.2

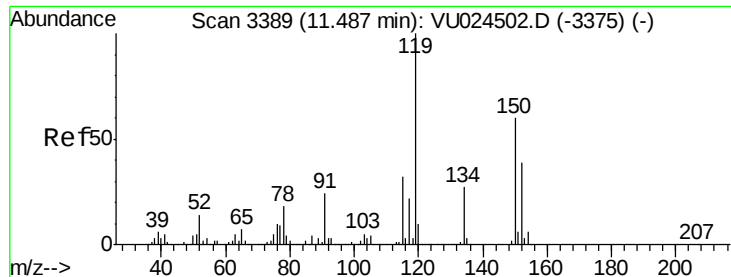


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024558.D

Acq: 14 Jun 2018 23:03

Instrument :

MSVOA_U

ClientSampleId :

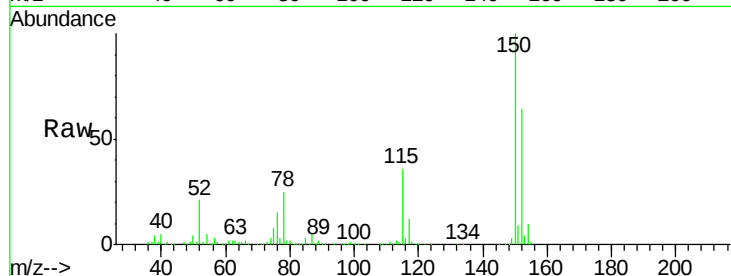
Tot Ion:152 Resp: 173098

Ion Ratio Lower Upper

152 100

115 56.5 43.0 129.0

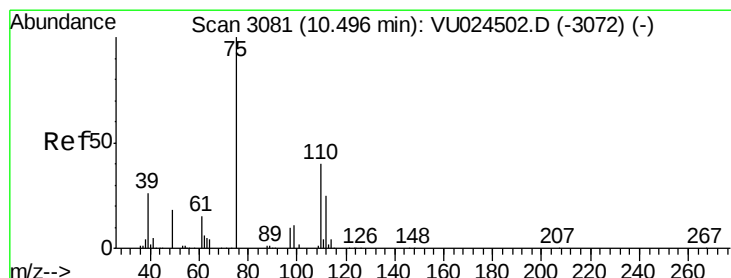
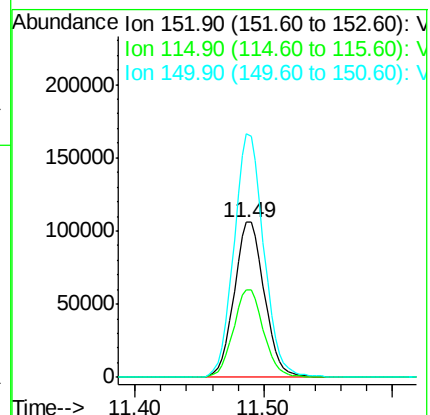
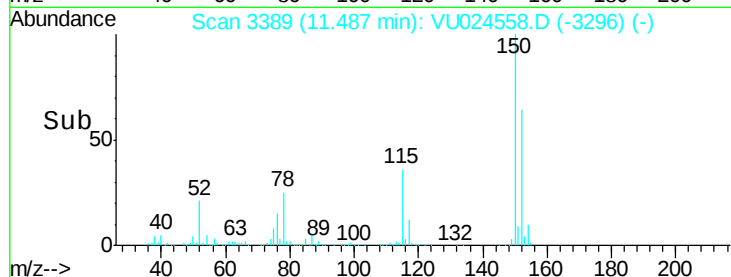
150 154.8 0.0 354.0



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: 22.550 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024558.D

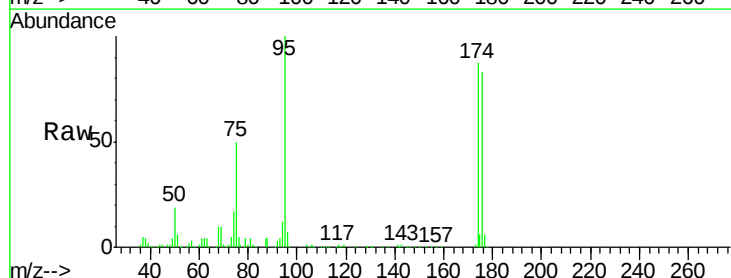
Acq: 14 Jun 2018 23:03

Tgt Ion: 75 Resp: 85938

Ion Ratio Lower Upper

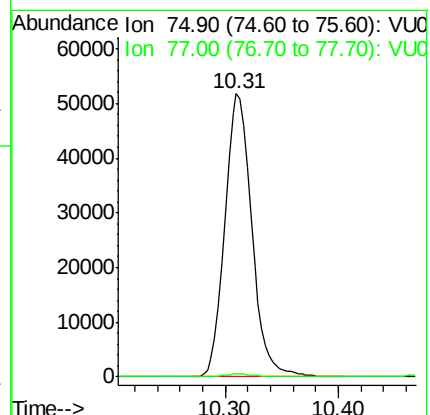
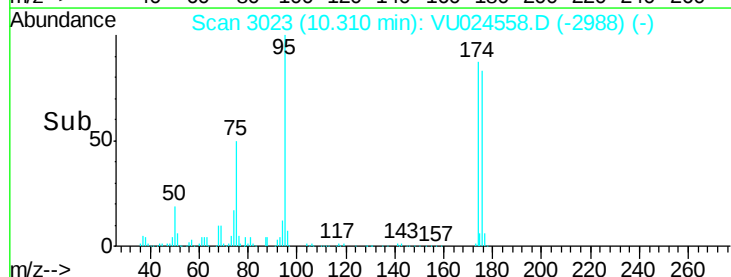
75 100

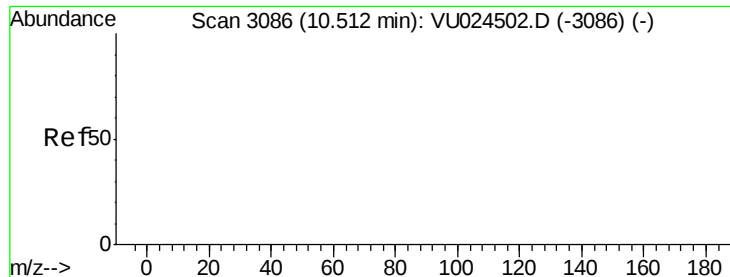
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

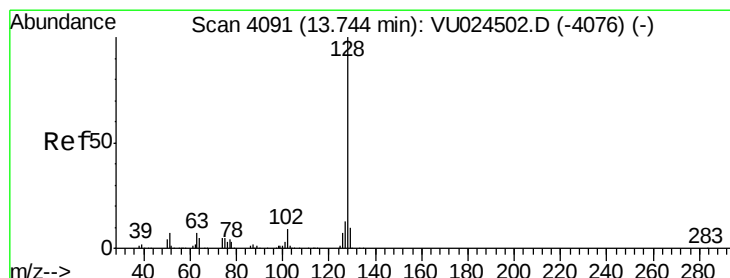
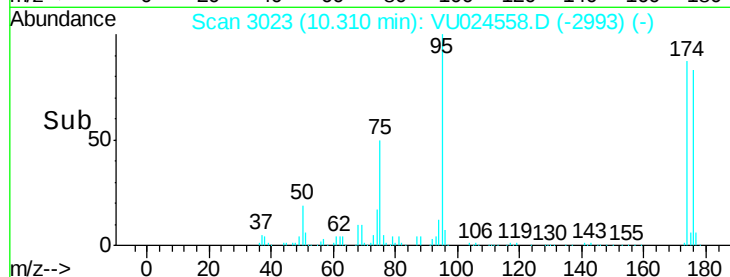
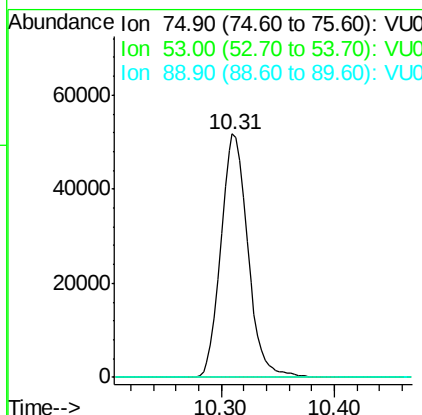
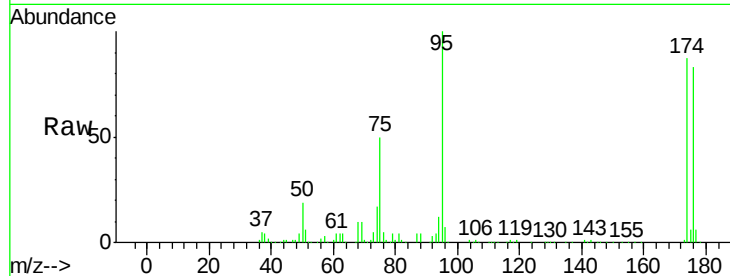




#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024558.D
Acq: 14 Jun 2018 23:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 85938
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0#
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 0.779 ug/l
RT: 13.77 min Scan# 4098
Delta R.T. 0.02 min
Lab File: VU024558.D
Acq: 14 Jun 2018 23:03

Tgt Ion:128 Resp: 1285
Ion Ratio Lower Upper
128 100
127 5.2 10.6 16.0#
129 11.8 8.6 12.8

