

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024565.D
 Acq On : 15 Jun 2018 01:45
 Operator : MD/SY
 Sample : J3452-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 05:13:04 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	182692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304832	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170939	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	132038	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	
35) Dibromofluoromethane	4.89	113	122064	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	7.57	98	445637	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	10.31	95	170568	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	

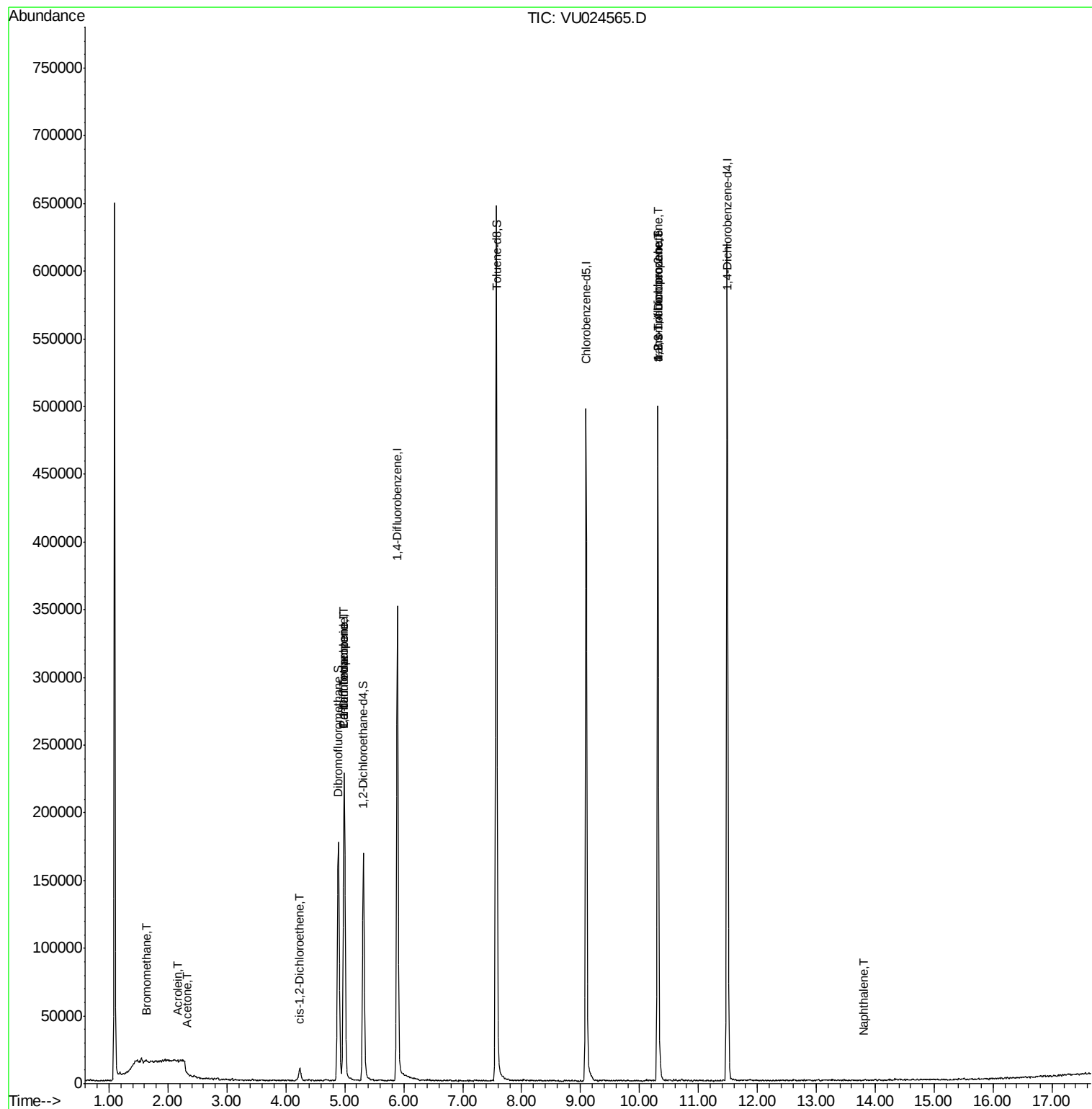
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	245	0.210	ug/l #	61
6) Chloroethane	1.73	64	83	Below Cal	#	43
8) Diethyl Ether	2.09	74	74	Below Cal	#	1
13) Acrolein	2.17	56	124	0.326	ug/l	90
16) Acetone	2.33	43	386	0.241	ug/l #	76
27) cis-1,2-Dichloroethene	4.24	96	5515	2.094	ug/l	81
31) Cyclohexane	4.99	56	4087	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12387	3.458	ug/l #	52
38) Carbon Tetrachloride	4.99	117	16987	4.313	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	84487	22.449	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	84487	51.957	ug/l #	100
95) Naphthalene	13.80	128	67	0.685	ug/l #	69

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

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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: VU024565.D

Acq: 15 Jun 2018 01:45

Instrument :

MSVOA_U

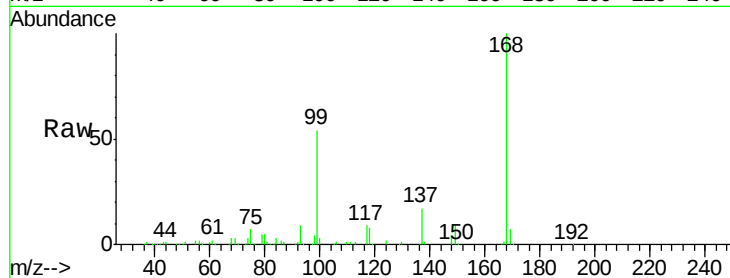
ClientSampleId :

Tot Ion:168 Resp: 182692

Ion Ratio Lower Upper

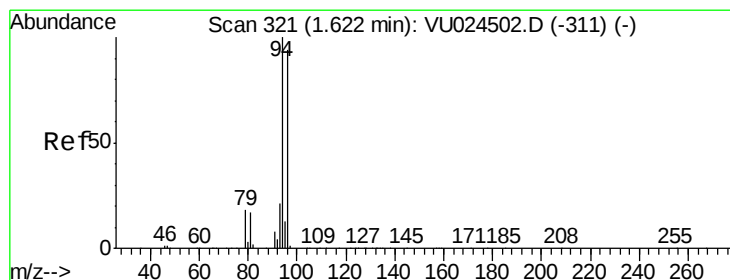
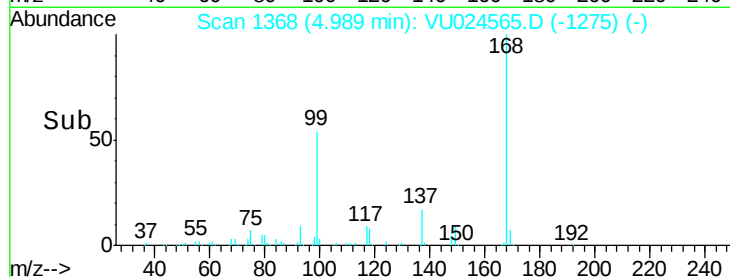
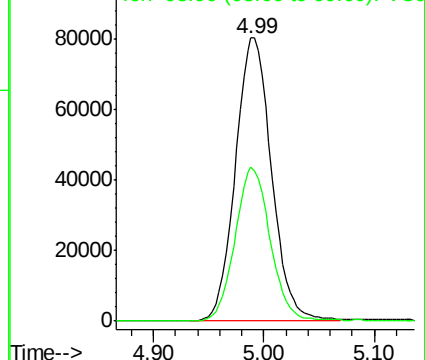
168 100

99 54.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#5

Bromomethane

Concen: 0.210 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024565.D

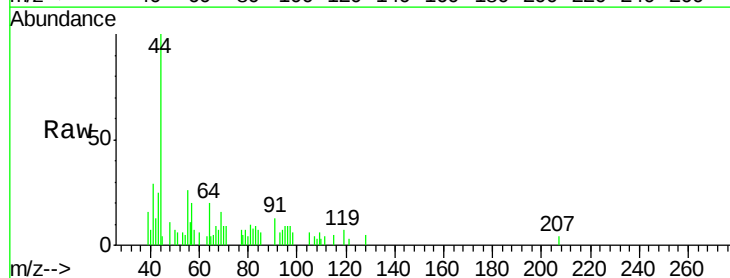
Acq: 15 Jun 2018 01:45

Tgt Ion: 94 Resp: 245

Ion Ratio Lower Upper

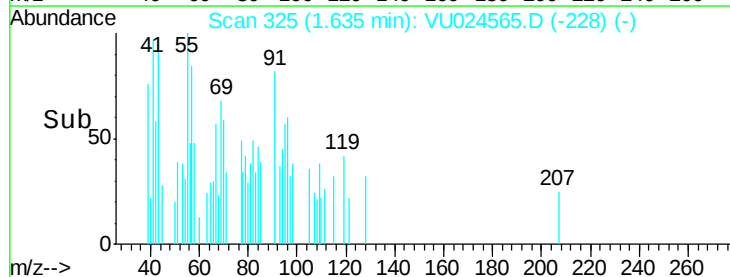
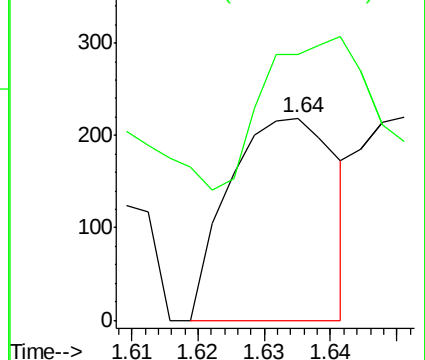
94 100

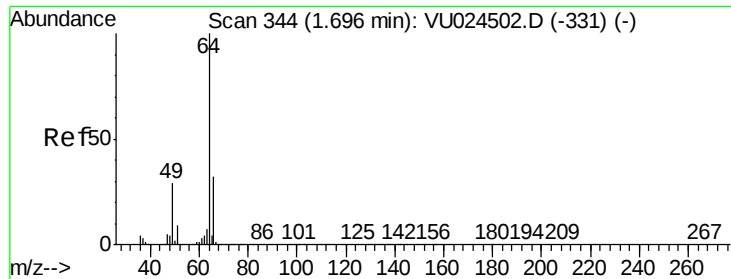
96 55.7 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 354

Delta R.T. 0.03 min

Lab File: VU024565.D

Acq: 15 Jun 2018 01:45

Instrument :

MSVOA_U

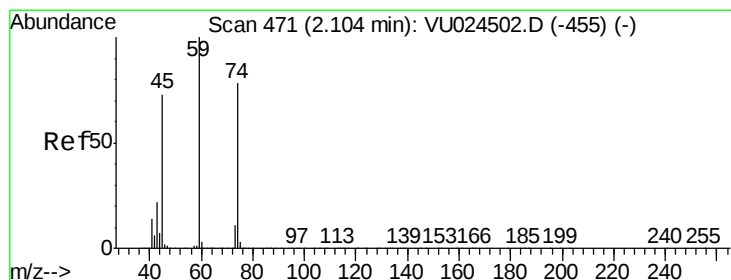
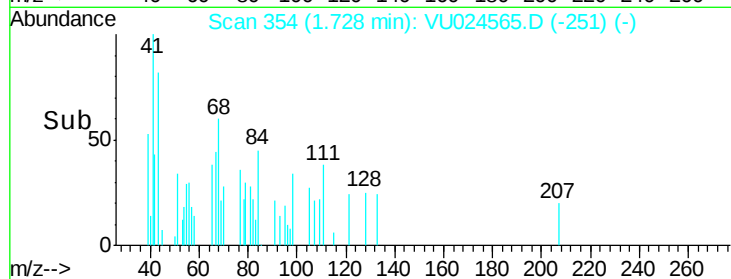
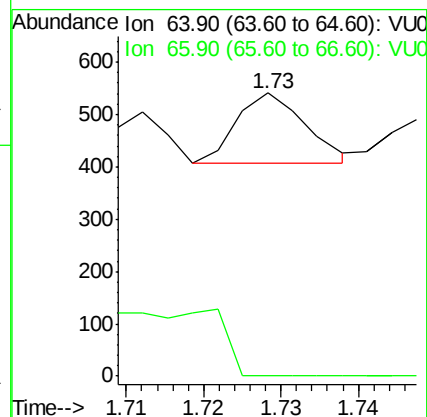
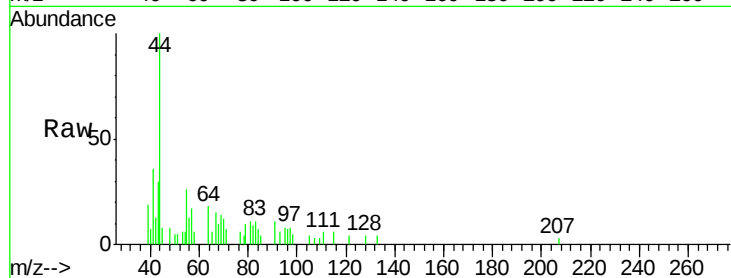
ClientSampleId :

Tot Ion: 64 Resp: 83

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.09 min Scan# 467

Delta R.T. -0.01 min

Lab File: VU024565.D

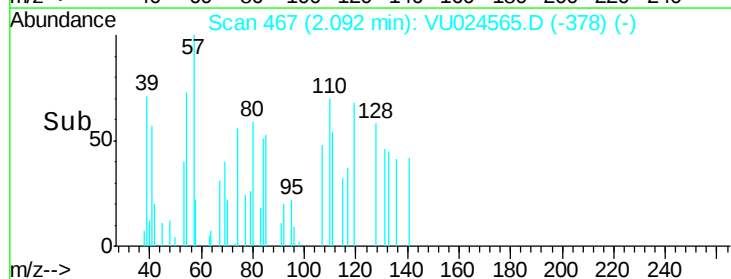
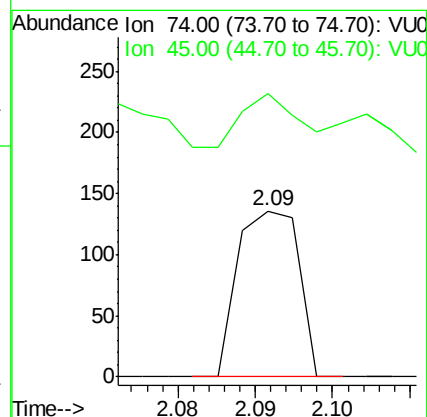
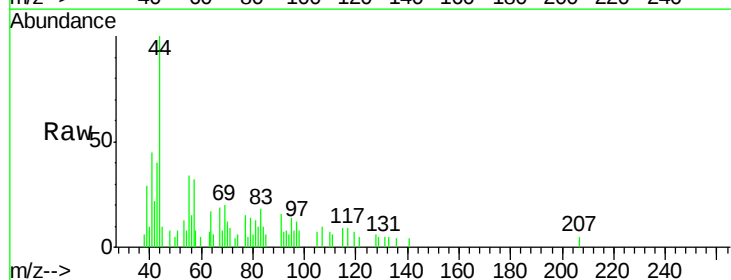
Acq: 15 Jun 2018 01:45

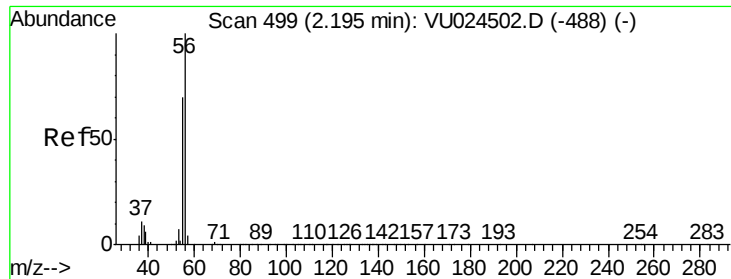
Tgt Ion: 74 Resp: 74

Ion Ratio Lower Upper

74 100

45 0.0 55.0 165.0#





#13

Acrolein

Concen: 0.326 ug/l

RT: 2.17 min Scan# 492

Delta R.T. -0.02 min

Lab File: VU024565.D

Acq: 15 Jun 2018 01:45

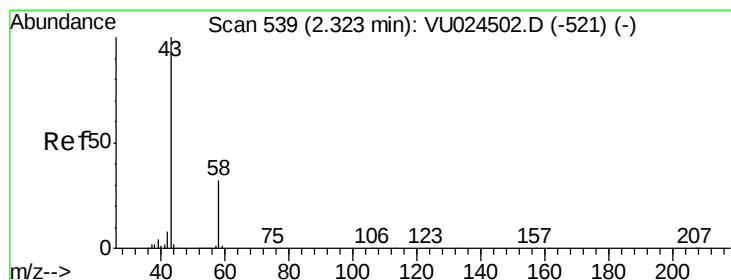
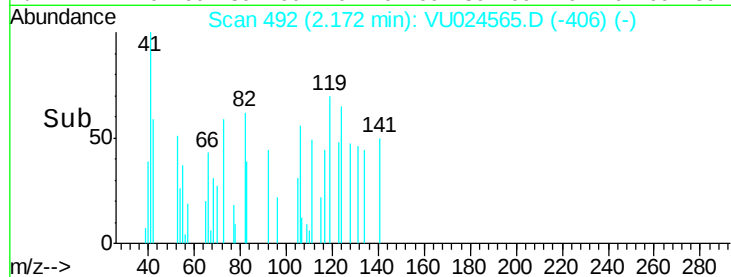
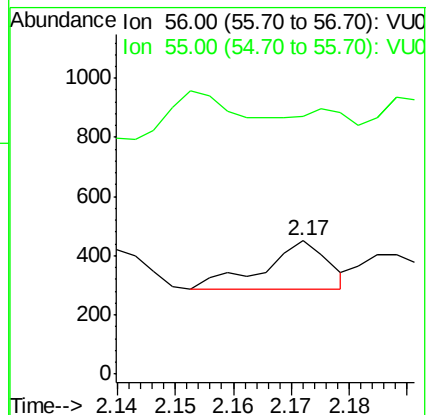
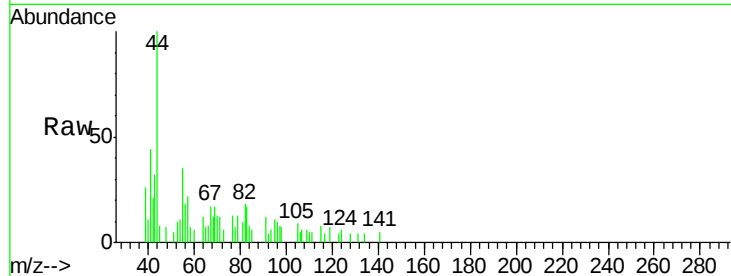
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 81.5 58.4 87.6



#16

Acetone

Concen: 0.241 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024565.D

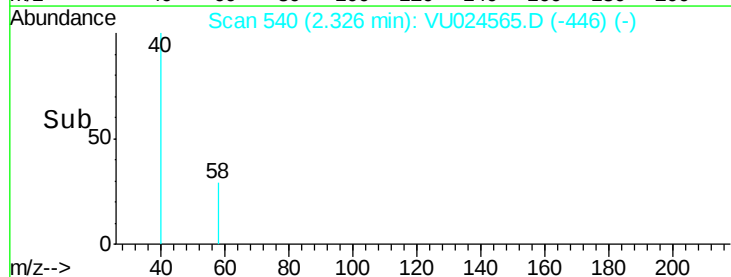
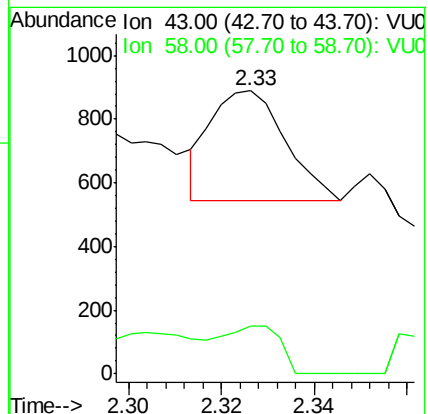
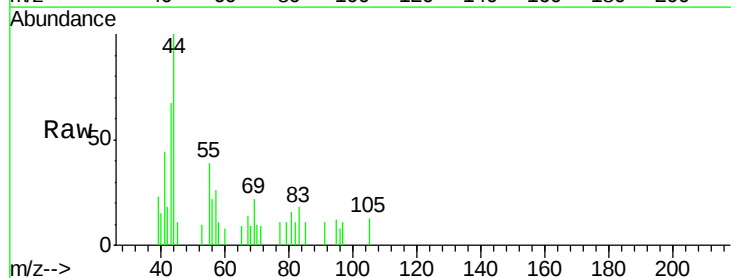
Acq: 15 Jun 2018 01:45

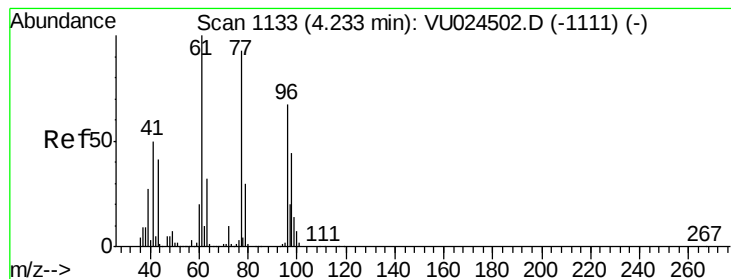
Tgt Ion: 43 Resp: 386

Ion Ratio Lower Upper

43 100

58 43.8 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 2.094 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024565.D

Acq: 15 Jun 2018 01:45

Instrument :
MSVOA_U
ClientSampleId :

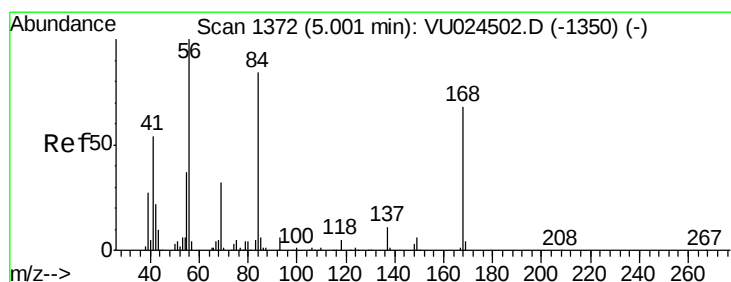
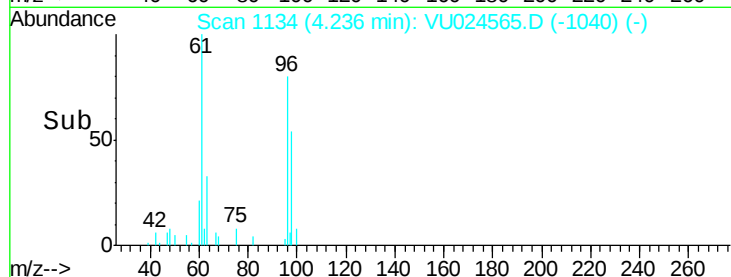
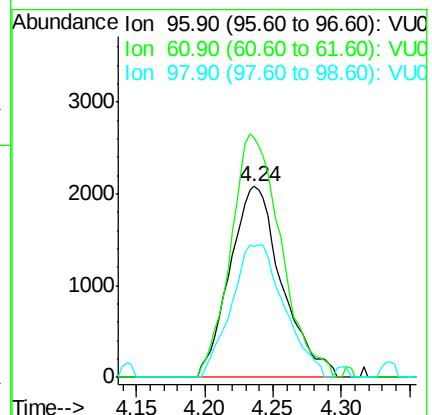
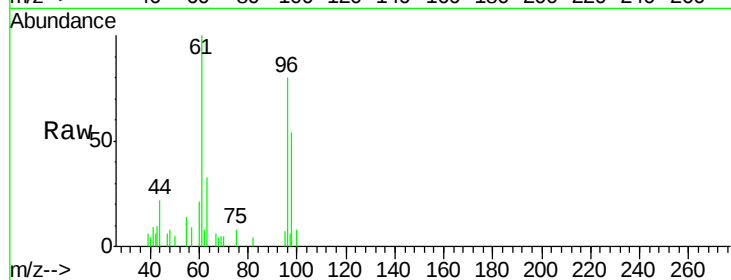
Tot Ion: 96 Resp: 5515

Ion Ratio Lower Upper

96 100

61 122.7 0.0 306.6

98 70.4 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024565.D

Acq: 15 Jun 2018 01:45

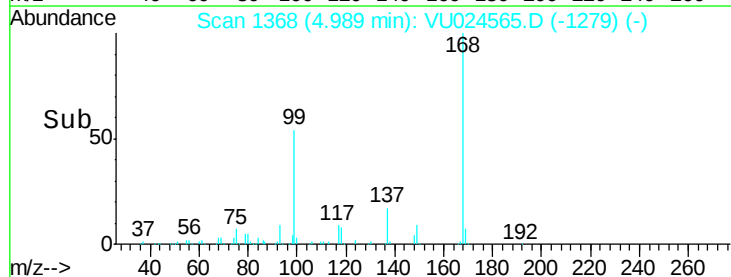
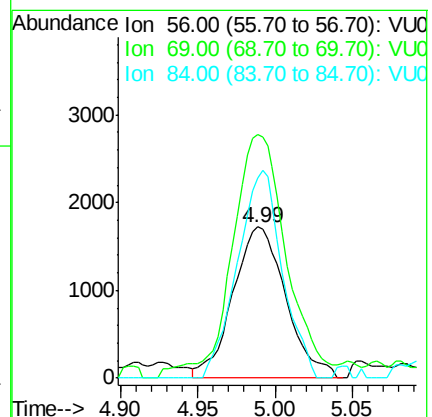
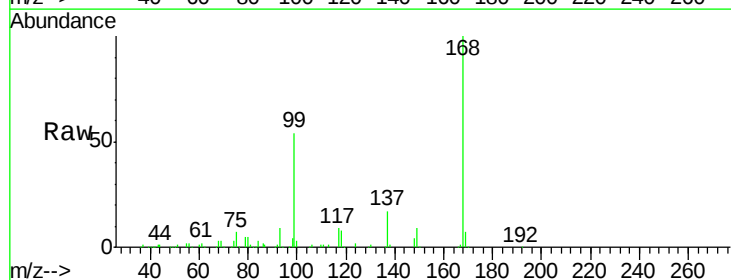
Tgt Ion: 56 Resp: 4087

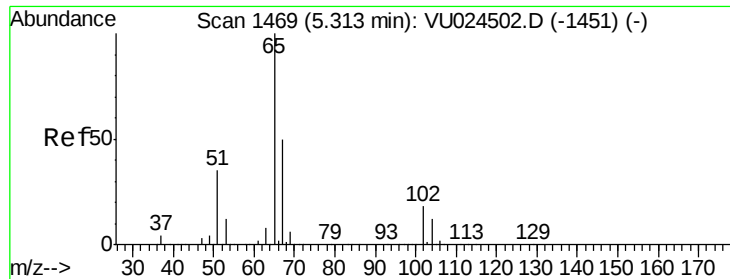
Ion Ratio Lower Upper

56 100

69 151.8 24.8 37.2#

84 132.3 65.2 97.8#

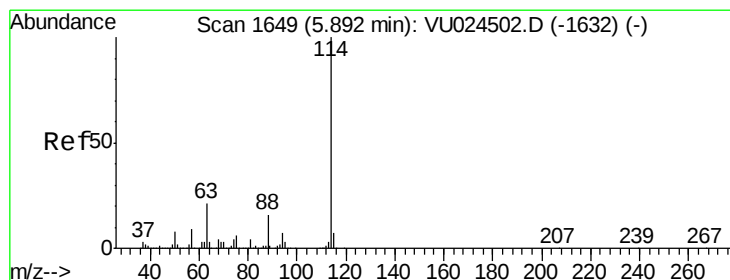
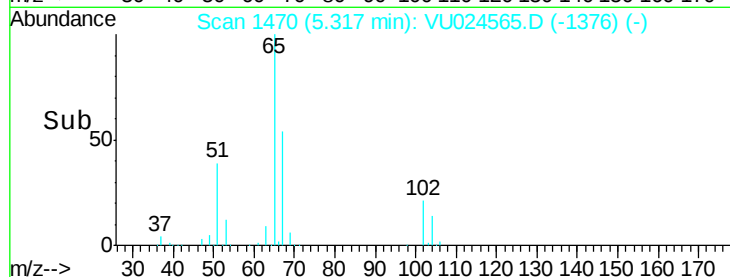
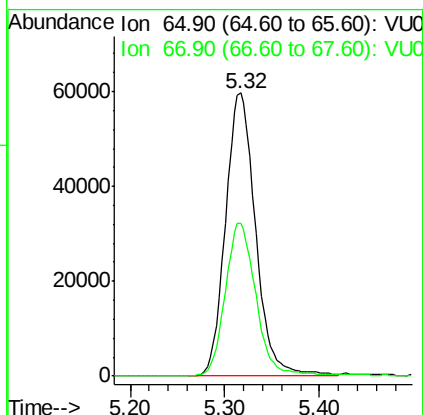
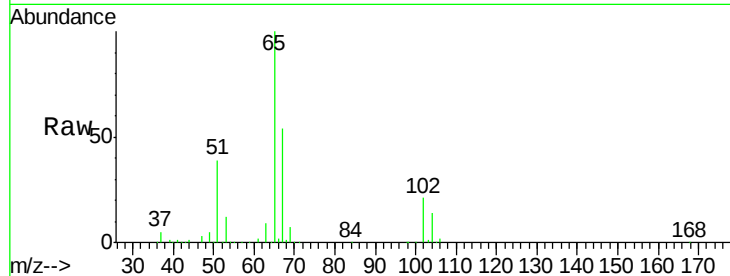




#33
 1,2-Dichloroethane-d4
 Concen: 44.271 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU024565.D
 Acq: 15 Jun 2018 01:45

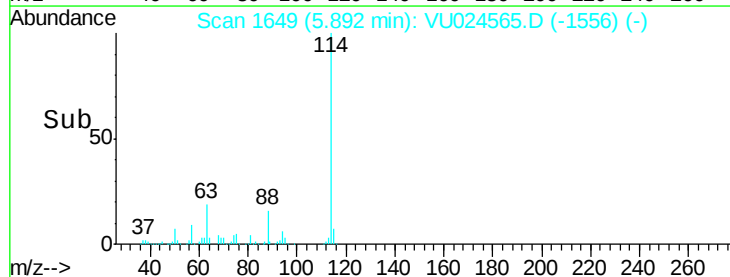
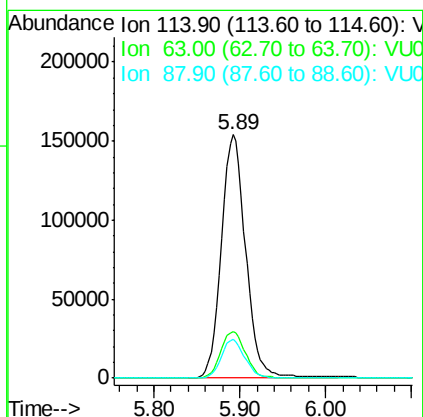
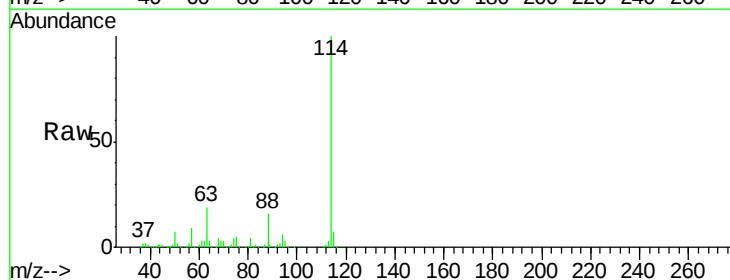
Instrument :
 MSVOA_U
 ClientSampleId :

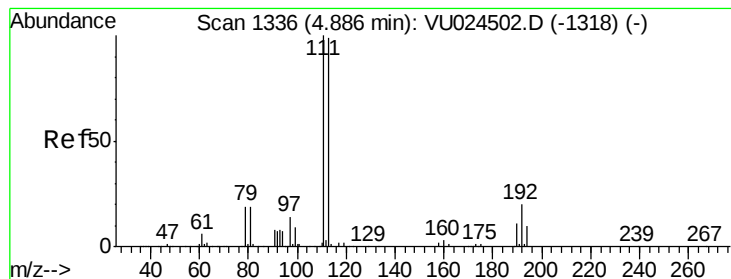
Tot Ion: 65 Resp: 132038
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024565.D
 Acq: 15 Jun 2018 01:45

Tgt Ion: 114 Resp: 304832
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 45.4
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.249 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024565.D

Acq: 15 Jun 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

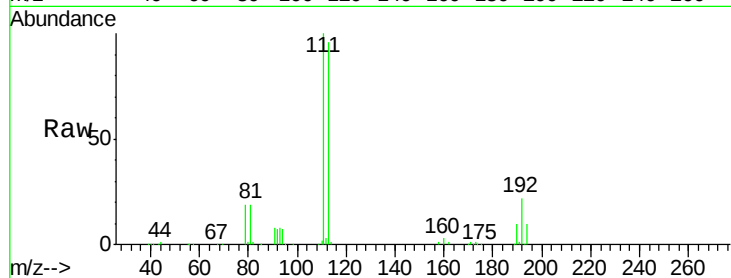
Tot Ion:113 Resp: 122064

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

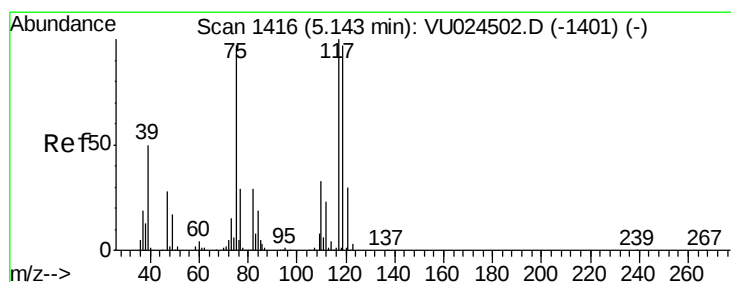
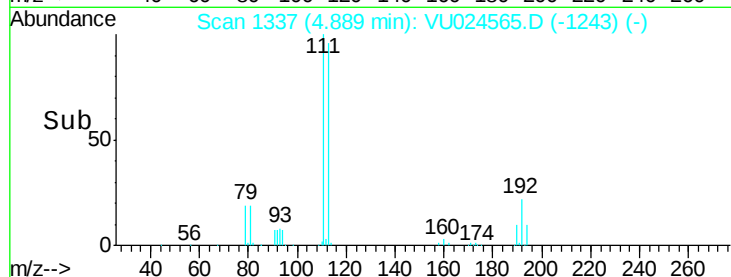
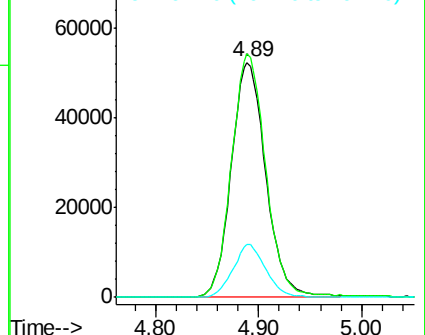
192 21.6 16.2 24.4



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: 3.458 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024565.D

Acq: 15 Jun 2018 01:45

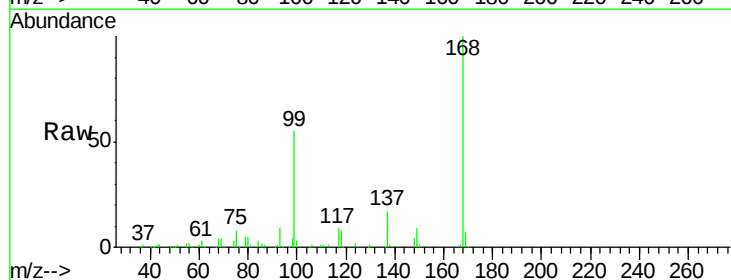
Tgt Ion: 75 Resp: 12387

Ion Ratio Lower Upper

75 100

110 10.0 17.0 50.9#

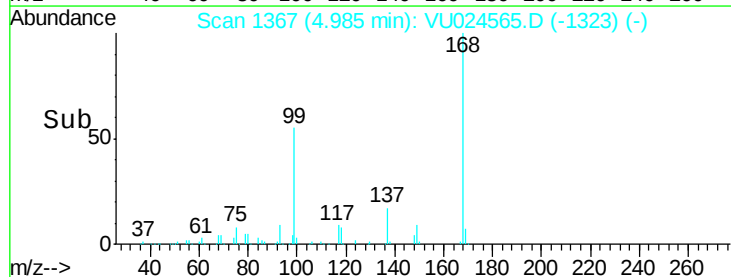
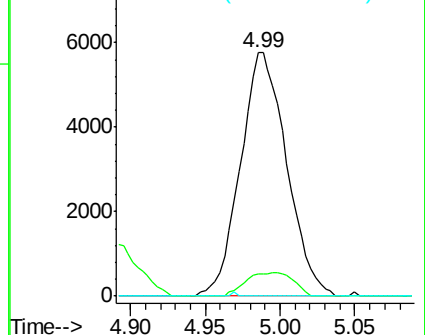
77 0.0 24.2 36.4#

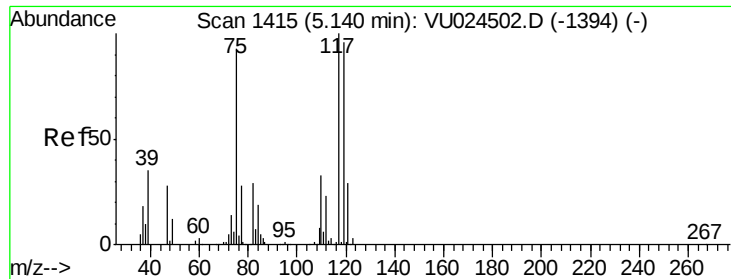


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

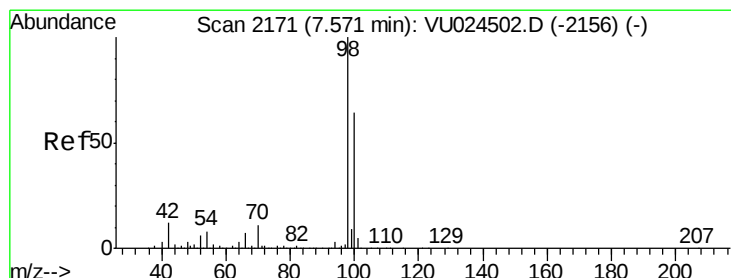
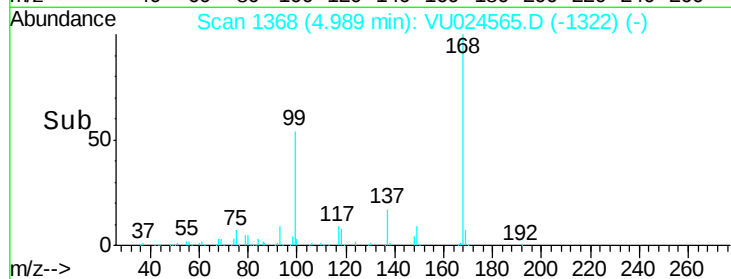
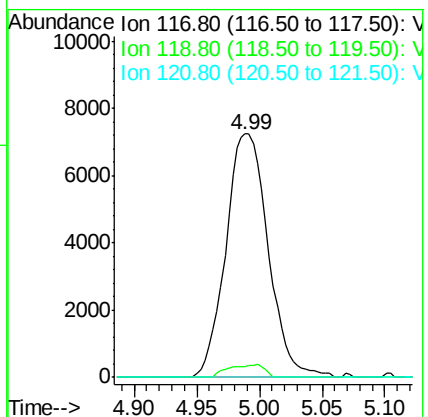
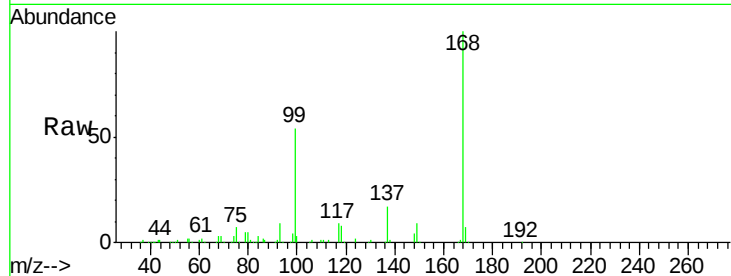




#38
Carbon Tetrachloride
Concen: 4.313 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU024565.D
Acq: 15 Jun 2018 01:45

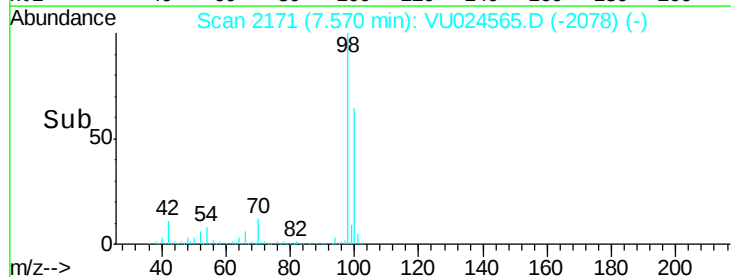
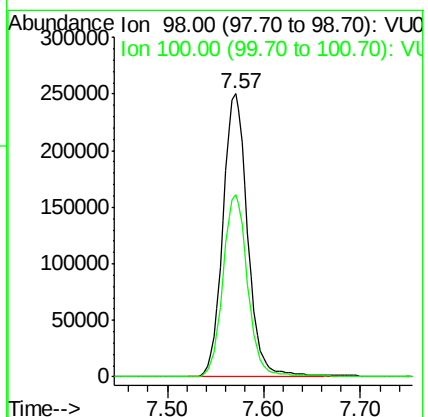
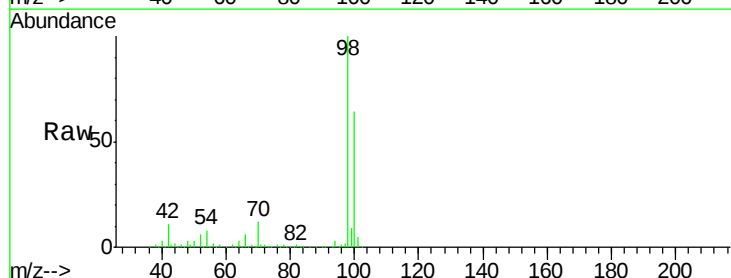
Instrument :
MSVOA_U
ClientSampled :

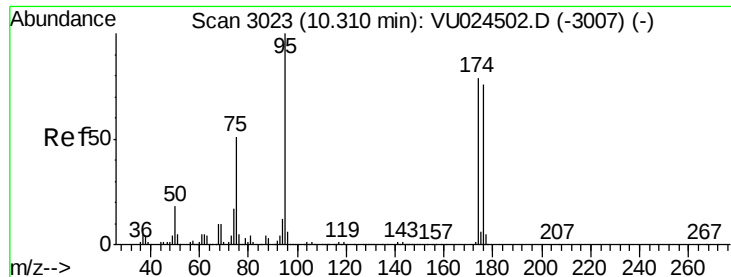
Tot Ion:117 Resp: 16987
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 48.292 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024565.D
Acq: 15 Jun 2018 01:45

Tgt Ion: 98 Resp: 445637
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7

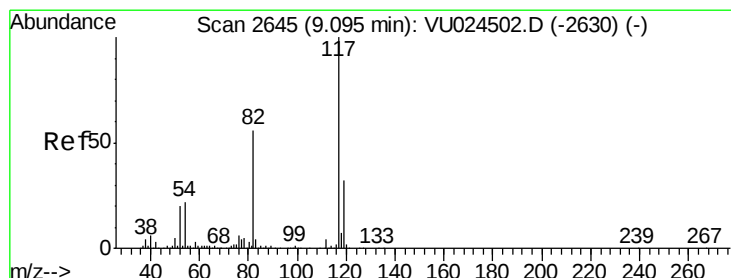
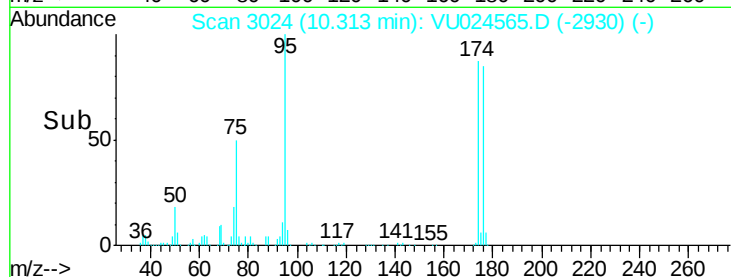
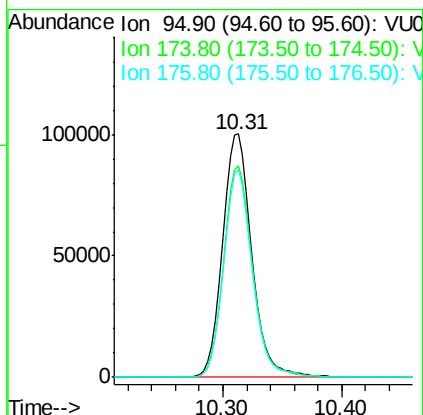
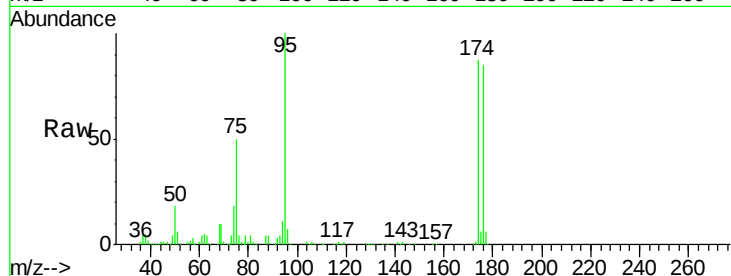




#62
4-Bromofluorobenzene
Concen: 46.554 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU024565.D
Acq: 15 Jun 2018 01:45

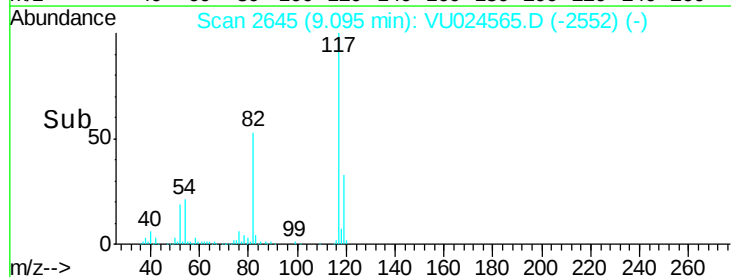
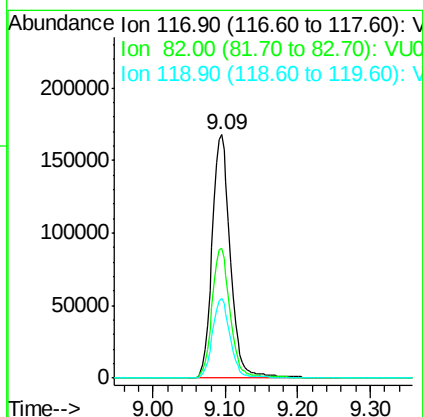
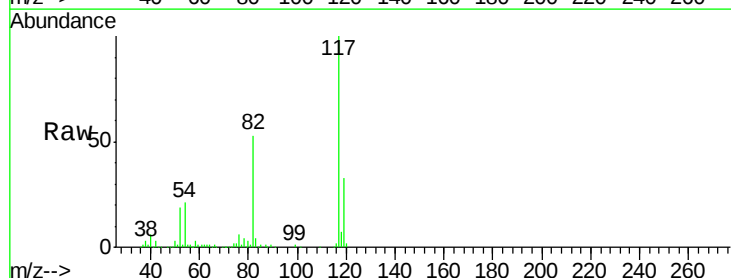
Instrument :
MSVOA_U
ClientSampleId :

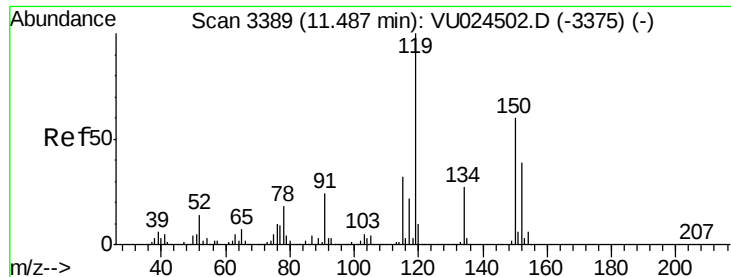
Tot Ion: 95 Resp: 170568
Ion Ratio Lower Upper
95 100
174 86.5 0.0 165.8
176 83.7 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024565.D
Acq: 15 Jun 2018 01:45

Tgt Ion: 117 Resp: 291951
Ion Ratio Lower Upper
117 100
82 53.1 44.3 66.5
119 32.6 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: VU024565.D

Acq: 15 Jun 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

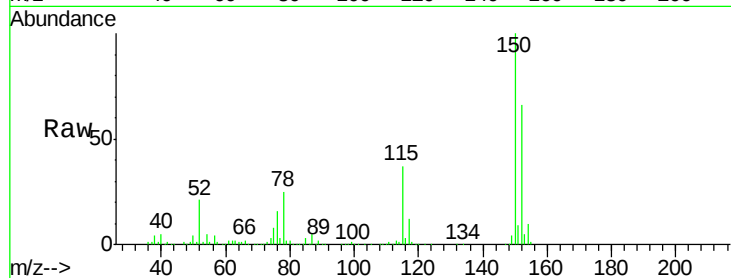
Tot Ion:152 Resp: 170939

Ion Ratio Lower Upper

152 100

115 56.9 43.0 129.0

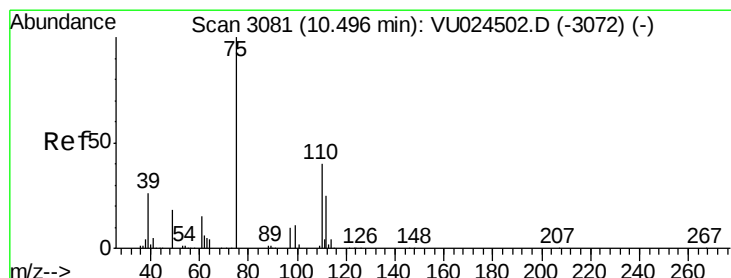
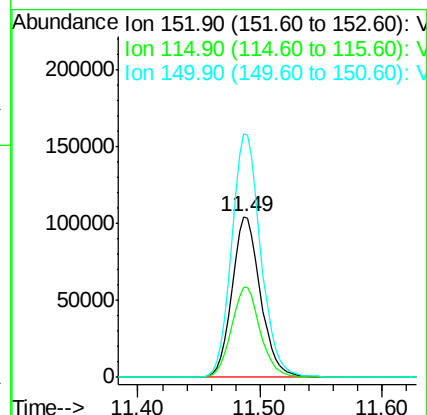
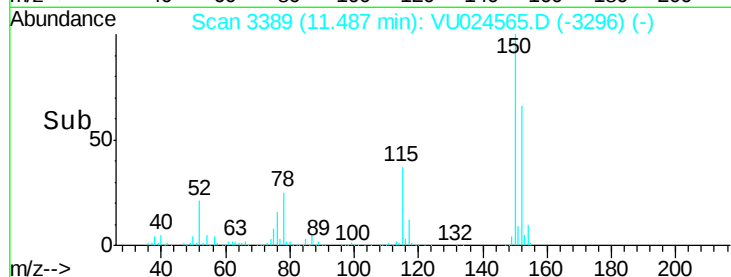
150 154.8 0.0 354.0



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: 22.449 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024565.D

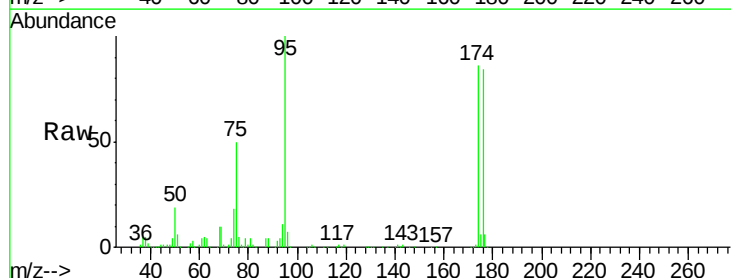
Acq: 15 Jun 2018 01:45

Tgt Ion: 75 Resp: 84487

Ion Ratio Lower Upper

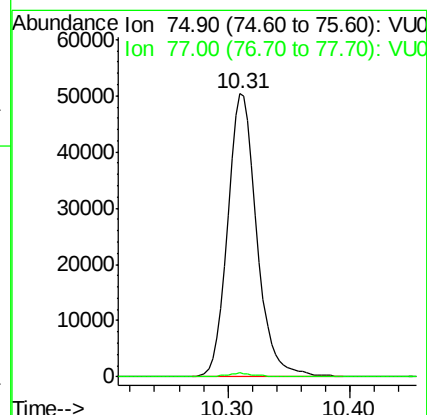
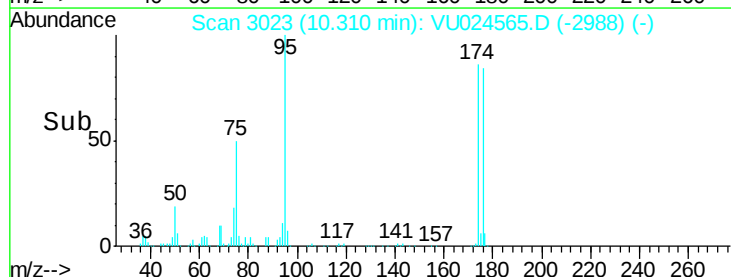
75 100

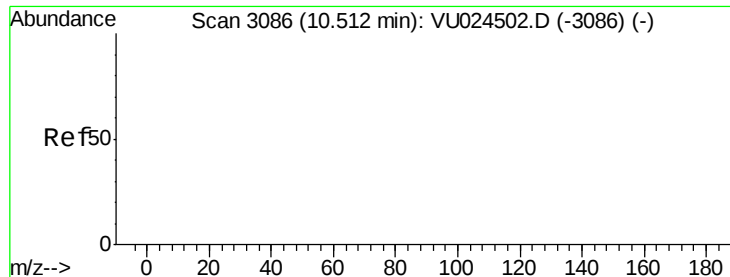
77 1.2 20.9 62.7#



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: 51.957 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024565.D

Acq: 15 Jun 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

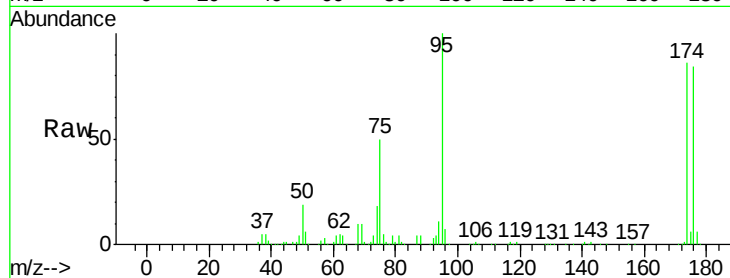
Tot Ion: 75 Resp: 84487

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

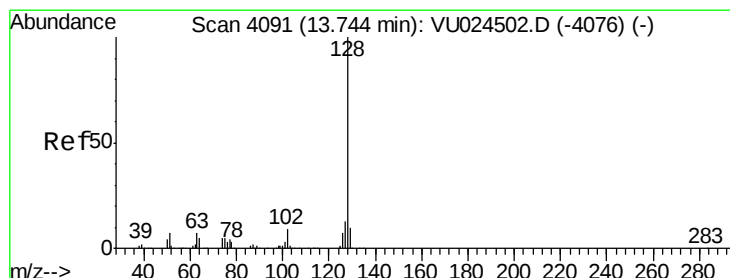
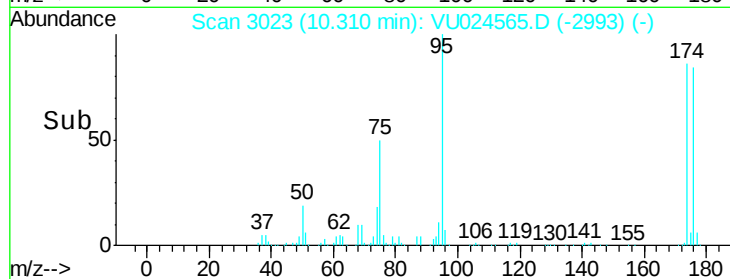
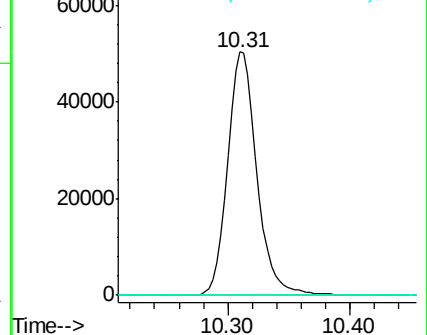
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): 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: 0.685 ug/l

RT: 13.80 min Scan# 4110

Delta R.T. 0.06 min

Lab File: VU024565.D

Acq: 15 Jun 2018 01:45

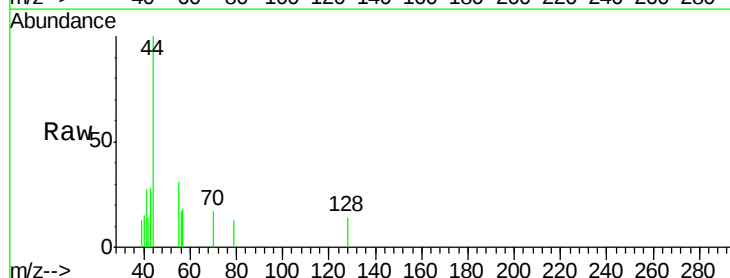
Tgt Ion: 128 Resp: 67

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 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) (-)

