

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062518\
 Data File : VU024913.D
 Acq On : 26 Jun 2018 07:03
 Operator : MD/SY
 Sample : J3669-26ME 200X
 Misc : 6.02g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0479-180620ME

Quant Time: Jun 26 08:42:09 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	225782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	344248	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	316608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167799	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	168720	45.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.54%	
35) Dibromofluoromethane	4.89	113	132867	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	
50) Toluene-d8	7.57	98	494780	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
62) 4-Bromofluorobenzene	10.31	95	183307	44.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.60%	

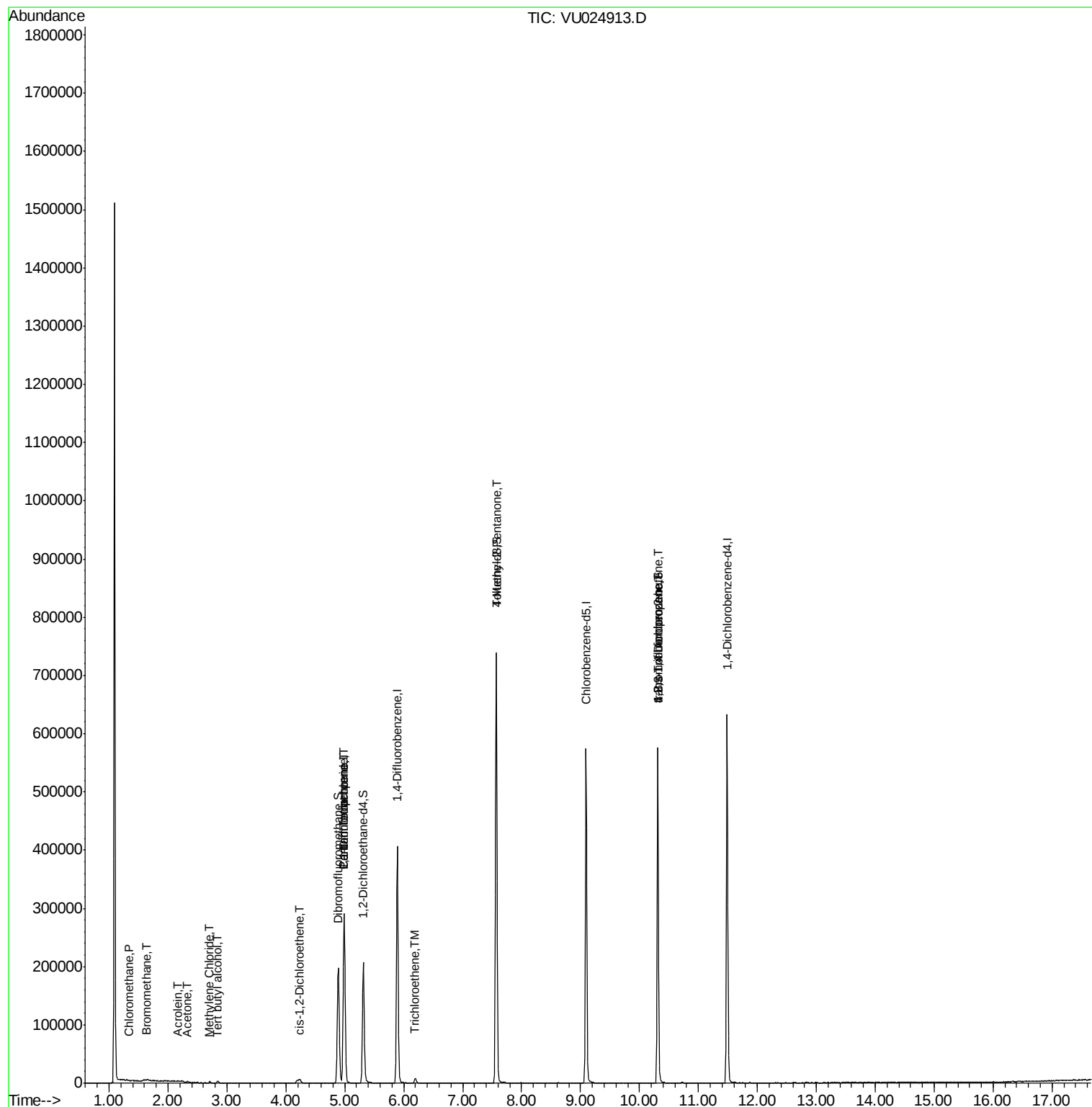
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	614	0.213	ug/l #	79
5) Bromomethane	1.63	94	296	0.206	ug/l #	72
6) Chloroethane	1.70	64	40	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	1453	1.621	ug/l #	72
13) Acrolein	2.17	56	288	0.612	ug/l #	79
16) Acetone	2.33	43	2234	1.128	ug/l #	82
20) Methylene Chloride	2.70	84	947	0.305	ug/l #	89
27) cis-1,2-Dichloroethene	4.24	96	3157	0.970	ug/l	82
31) Cyclohexane	4.99	56	4718	Below Cal	#	2
36) 1,1-Dichloropropene	4.99	75	16916	4.182	ug/l #	46
38) Carbon Tetrachloride	4.99	117	21189	4.763	ug/l #	16
44) Trichloroethene	6.19	130	3081	0.939	ug/l	88
51) 4-Methyl-2-Pentanone	7.56	43	2419	0.505	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	96165	26.030	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	96165	60.245	ug/l #	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

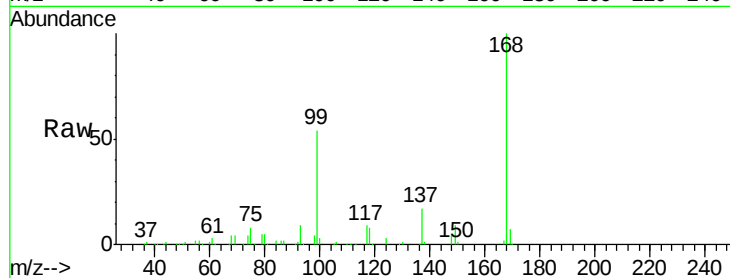
DUP-0479-180620ME

Tgt Ion:168 Resp: 225782

Ion Ratio Lower Upper

168 100

99 53.8 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) (-)

4.99

100000

80000

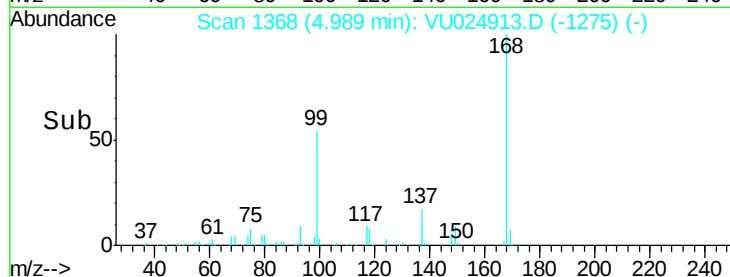
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024913.D

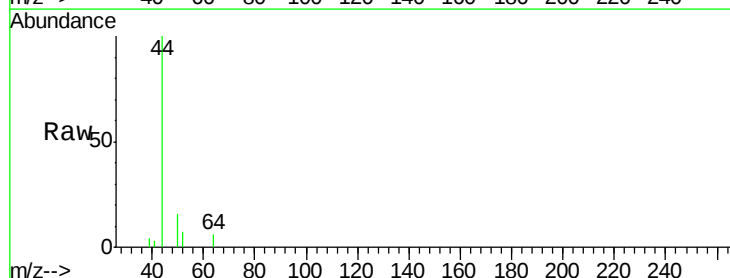
Acq: 26 Jun 2018 07:03

Tgt Ion: 50 Resp: 614

Ion Ratio Lower Upper

50 100

52 44.8 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

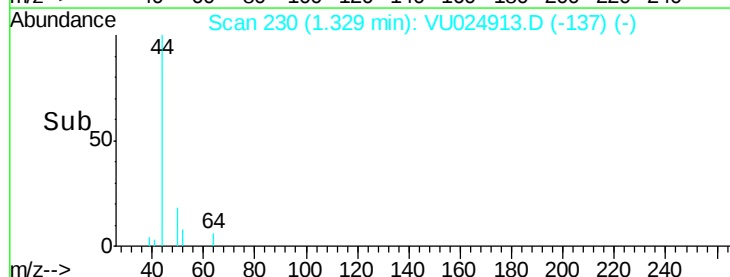
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.206 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

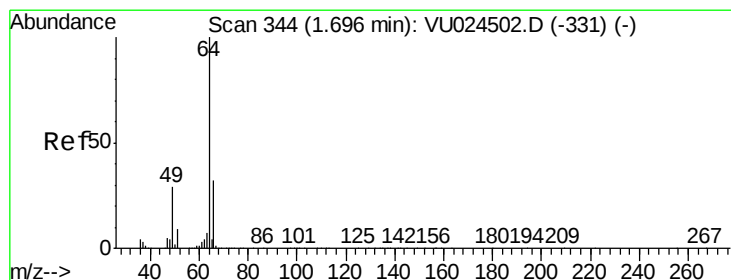
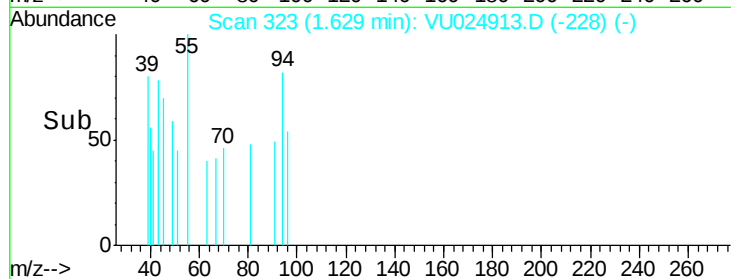
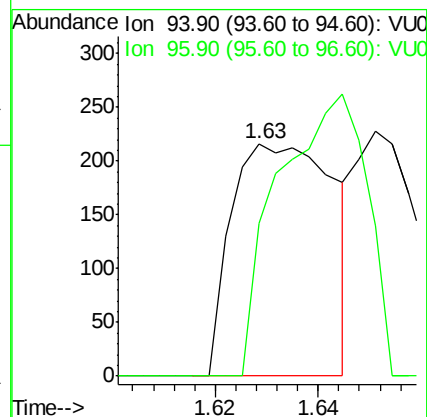
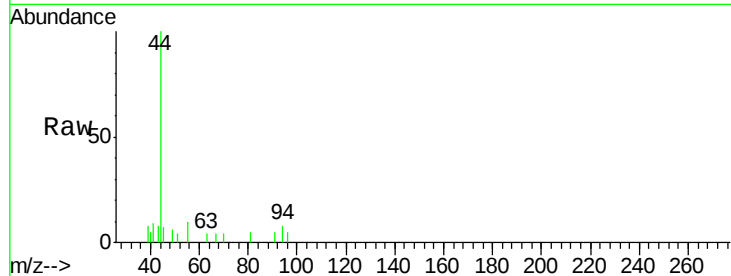
DUP-0479-180620ME

Tgt Ion: 94 Resp: 296

Ion Ratio Lower Upper

94 100

96 65.7 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024913.D

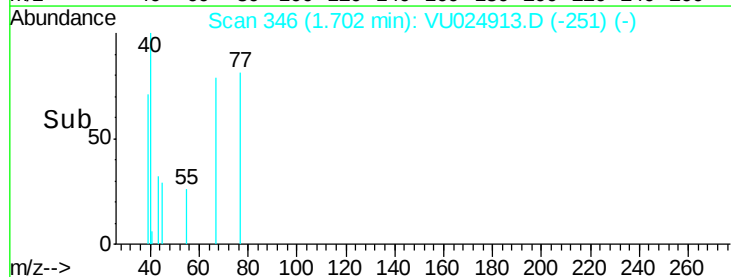
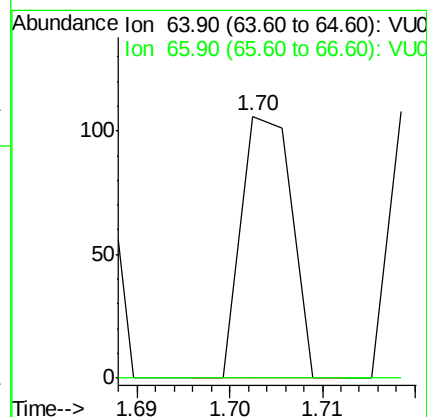
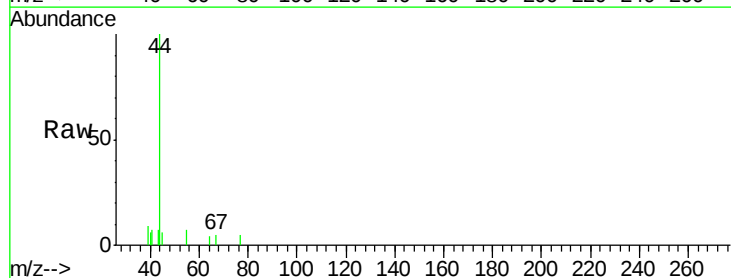
Acq: 26 Jun 2018 07:03

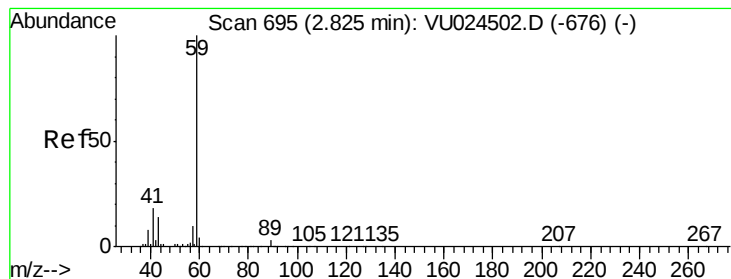
Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#





#11

Tert butyl alcohol

Concen: 1.621 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

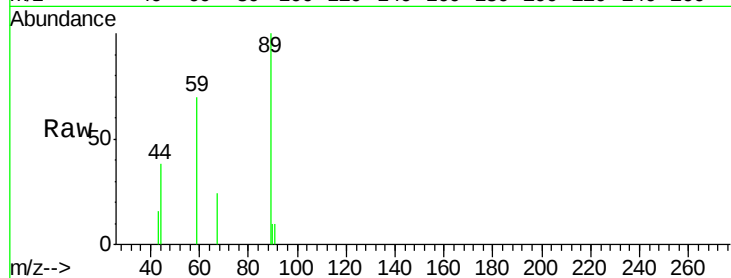
DUP-0479-180620ME

Tgt Ion: 59 Resp: 1453

Ion Ratio Lower Upper

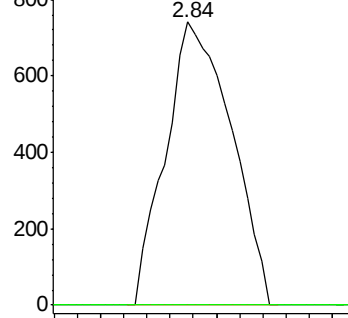
59 100

57 0.0 8.5 12.7#

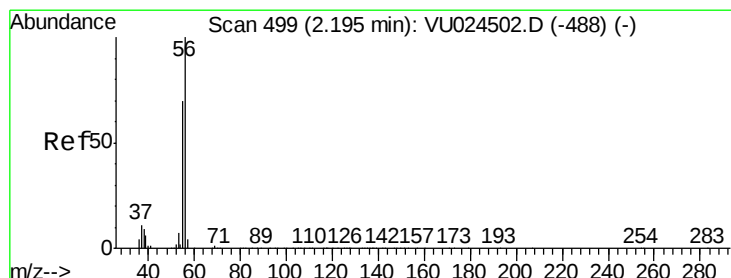
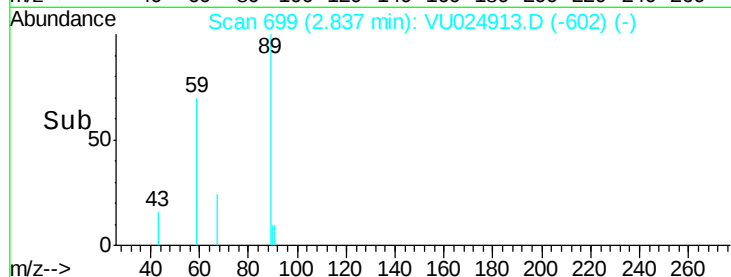


Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



Time-->



#13

Acrolein

Concen: 0.612 ug/l

RT: 2.17 min Scan# 490

Delta R.T. -0.03 min

Lab File: VU024913.D

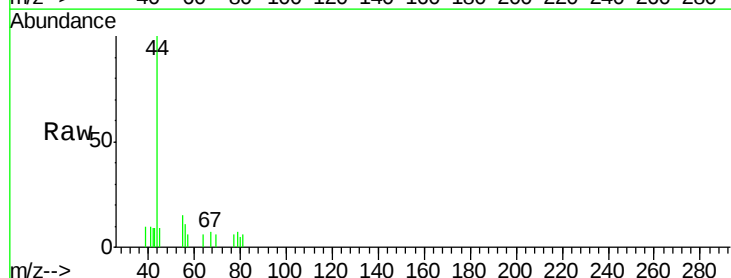
Acq: 26 Jun 2018 07:03

Tgt Ion: 56 Resp: 288

Ion Ratio Lower Upper

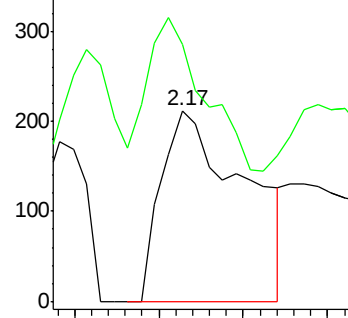
56 100

55 90.3 58.4 87.6#

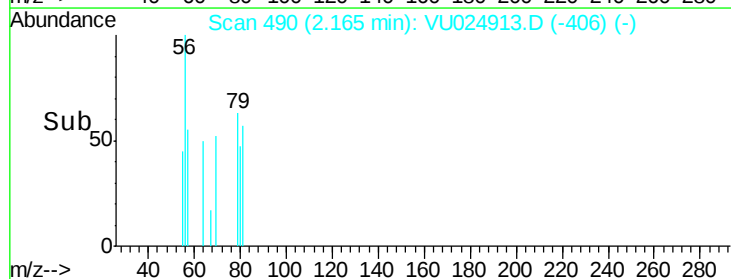


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->





#16

Acetone

Concen: 1.128 ug/l

RT: 2.33 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

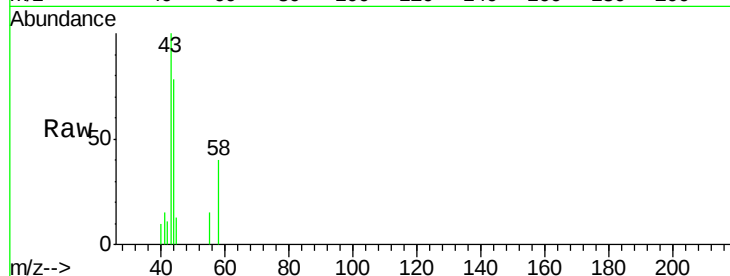
DUP-0479-180620ME

Tgt Ion: 43 Resp: 2234

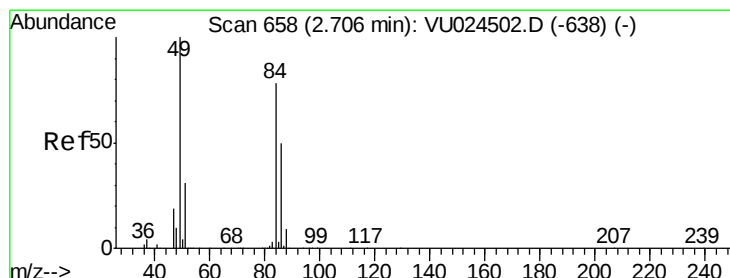
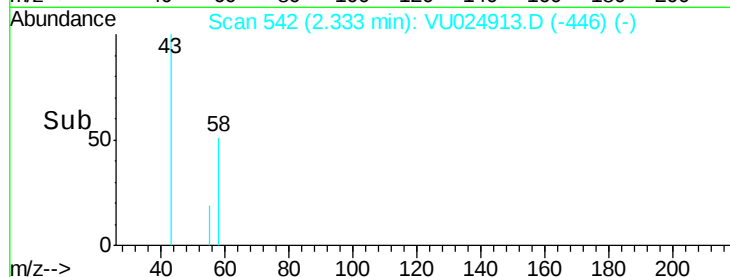
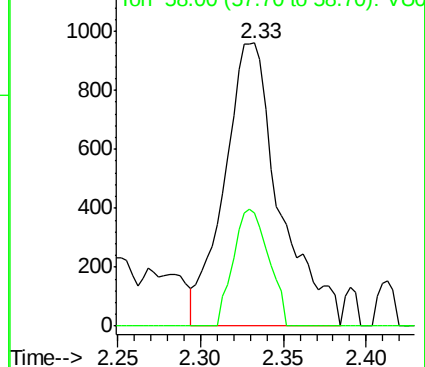
Ion Ratio Lower Upper

43 100

58 40.2 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU024913.D (-542) (-)



#20

Methylene Chloride

Concen: 0.305 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Tgt Ion: 84 Resp: 947

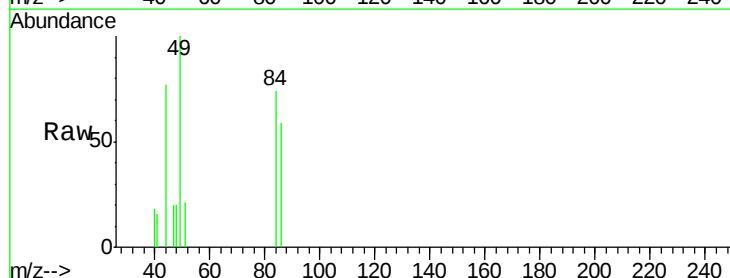
Ion Ratio Lower Upper

84 100

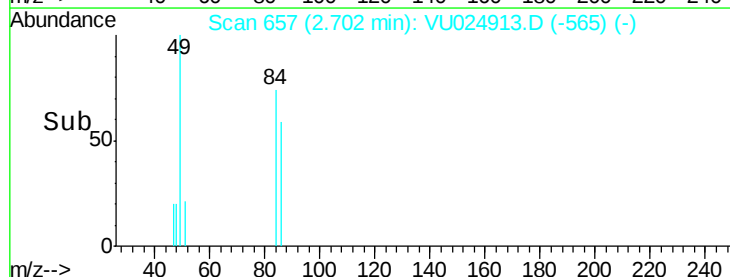
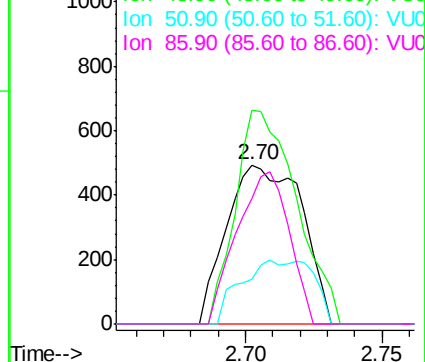
49 134.5 103.8 155.8

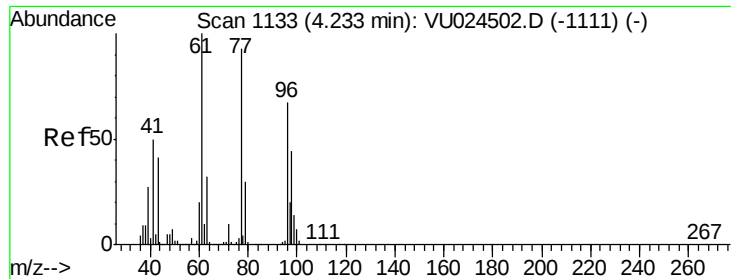
51 28.2 32.0 48.0#

86 79.3 51.6 77.4#



Abundance Ion 83.90 (83.60 to 84.60): VU024913.D (-657) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.970 ug/l

RT: 4.24 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

DUP-0479-180620ME

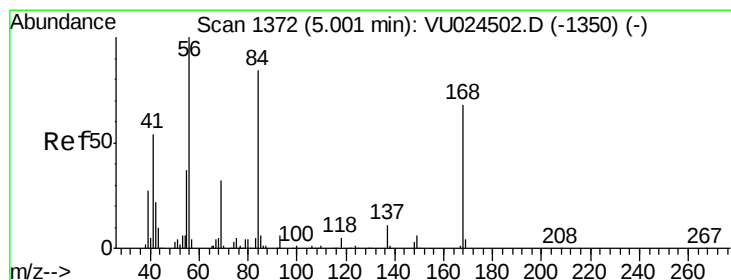
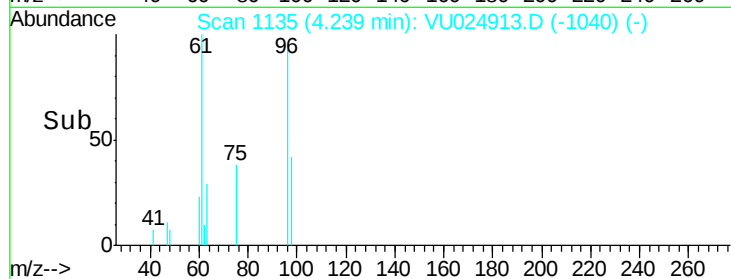
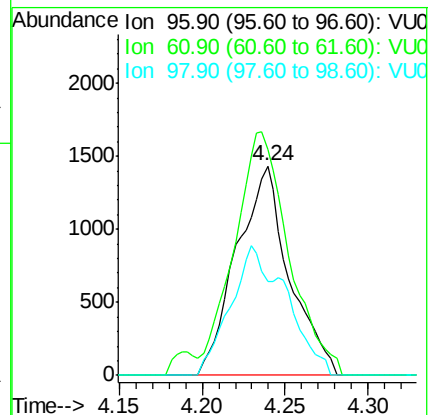
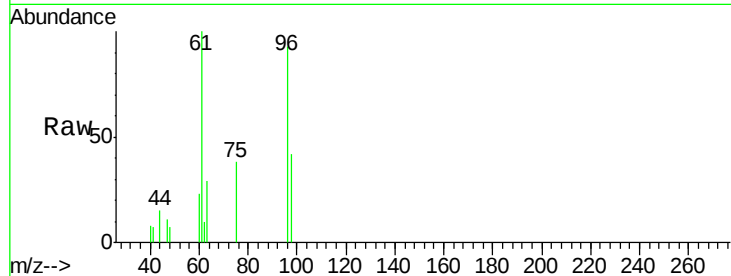
Tgt Ion: 96 Resp: 3157

Ion Ratio Lower Upper

96 100

61 121.2 0.0 306.6

98 66.1 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

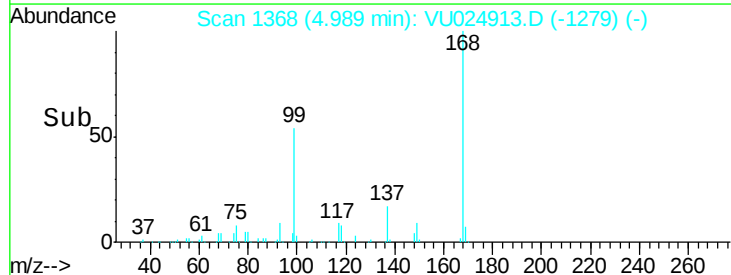
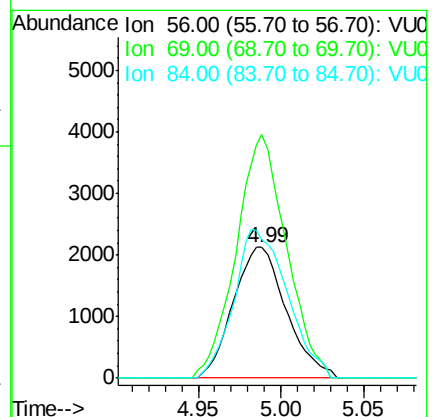
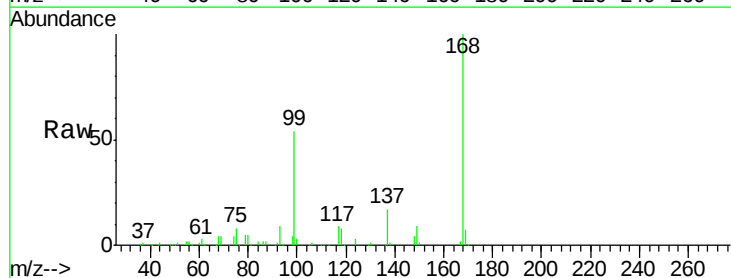
Tgt Ion: 56 Resp: 4718

Ion Ratio Lower Upper

56 100

69 186.0 24.8 37.2#

84 105.9 65.2 97.8#

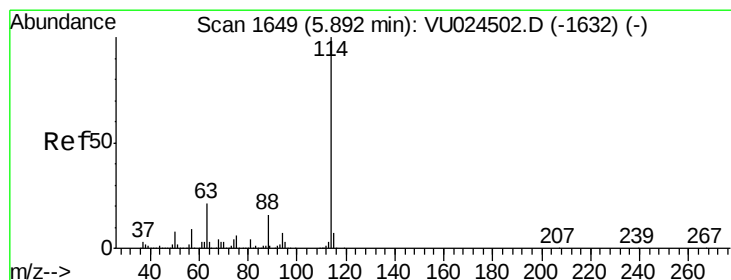
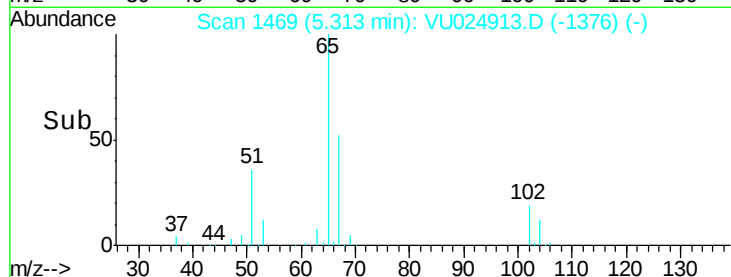
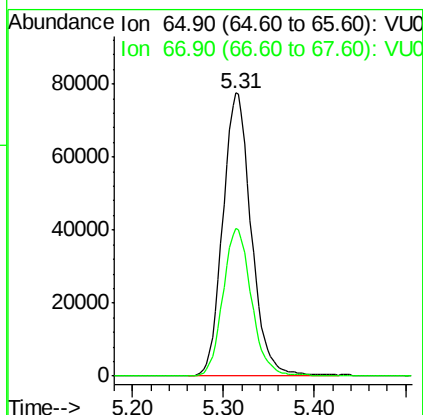
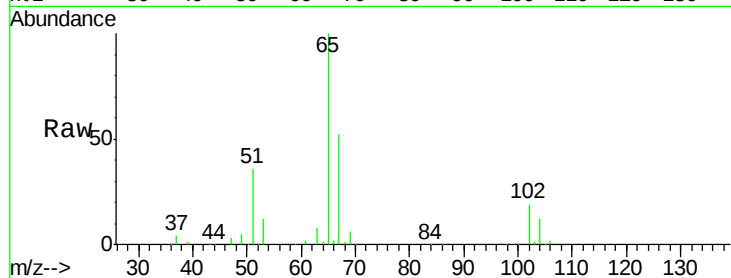




#33
 1,2-Dichloroethane-d4
 Concen: 45.774 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024913.D
 Acq: 26 Jun 2018 07:03

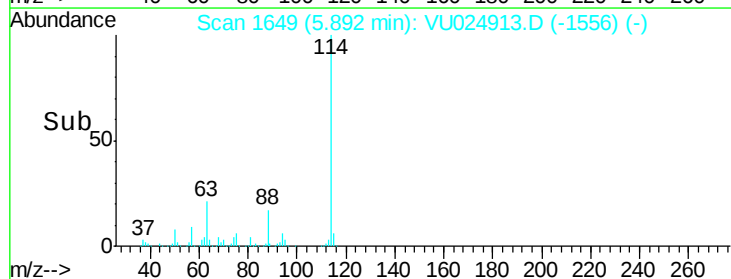
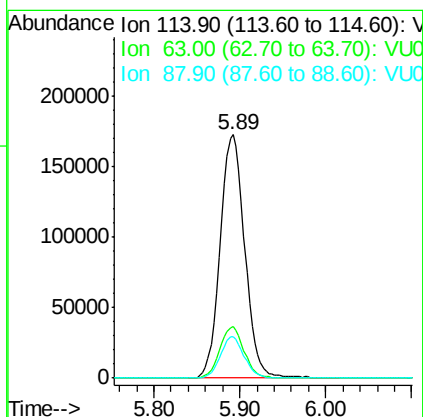
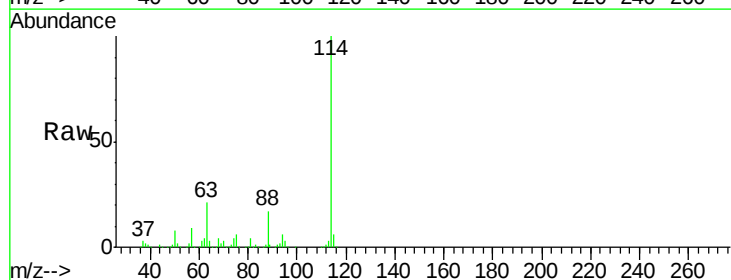
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0479-180620ME

Tgt Ion: 65 Resp: 168720
 Ion Ratio Lower Upper
 65 100
 67 52.2 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: VU024913.D
 Acq: 26 Jun 2018 07:03

Tgt Ion: 114 Resp: 344248
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 17.2 0.0 31.0

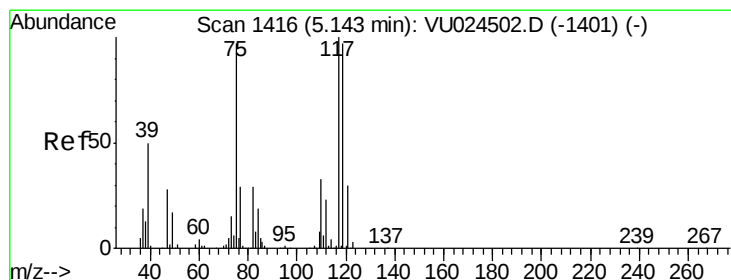
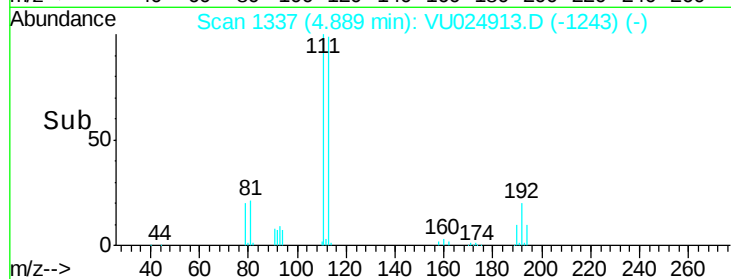
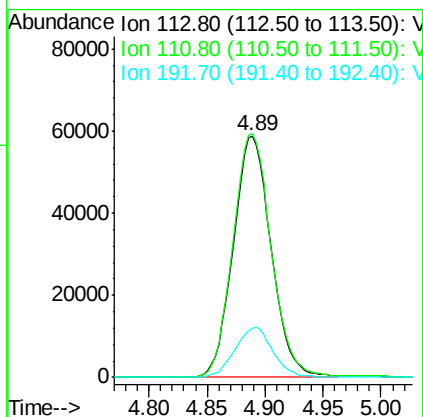
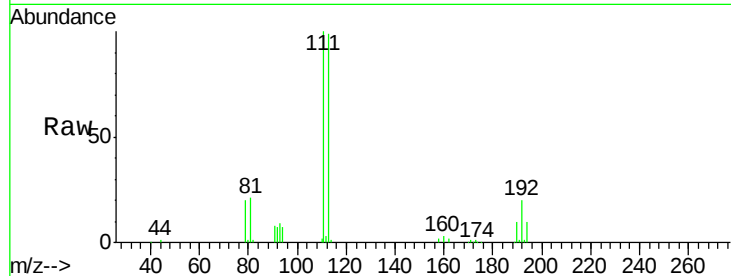




#35
 Dibromofluoromethane
 Concen: 46.506 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024913.D
 Acq: 26 Jun 2018 07:03

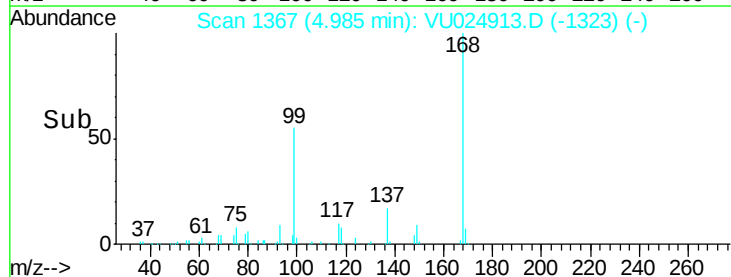
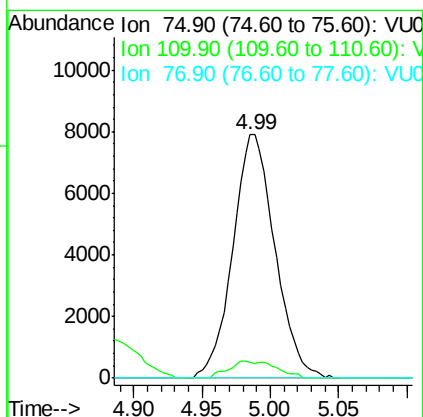
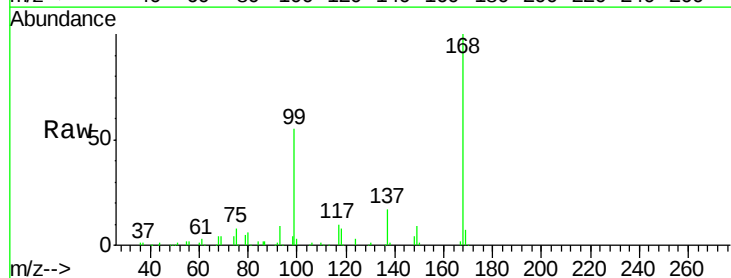
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0479-180620ME

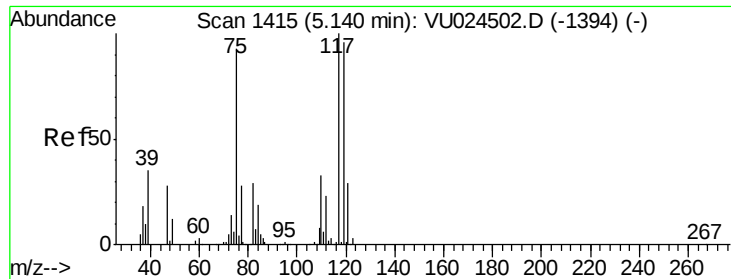
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	20.8	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.182 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024913.D
 Acq: 26 Jun 2018 07:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.4	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.763 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

DUP-0479-180620ME

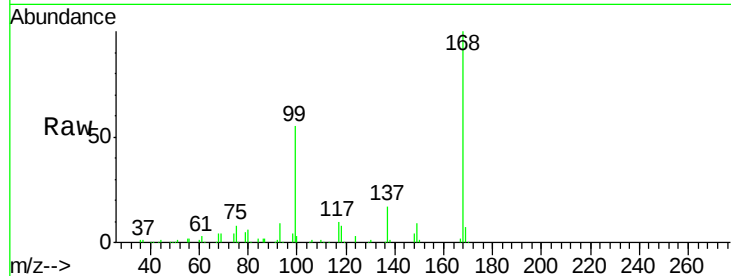
Tgt Ion:117 Resp: 21189

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

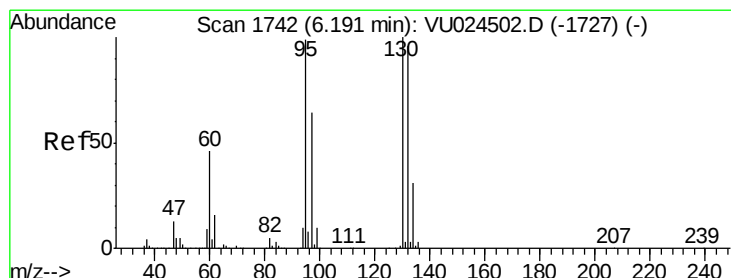
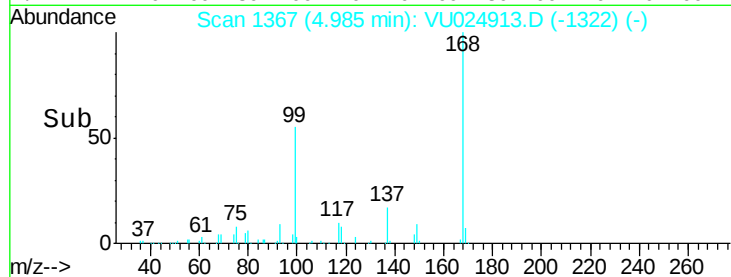
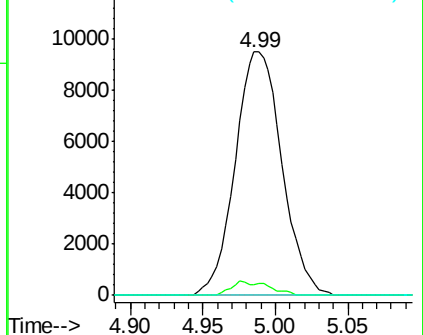
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.939 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU024913.D

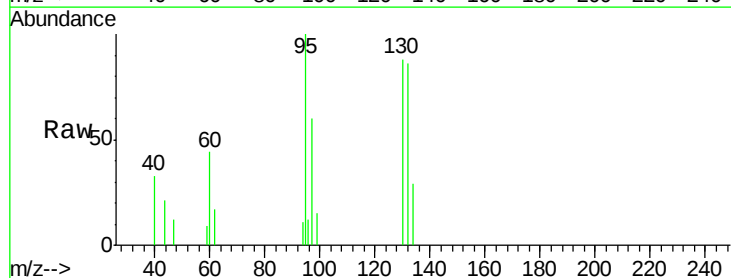
Acq: 26 Jun 2018 07:03

Tgt Ion:130 Resp: 3081

Ion Ratio Lower Upper

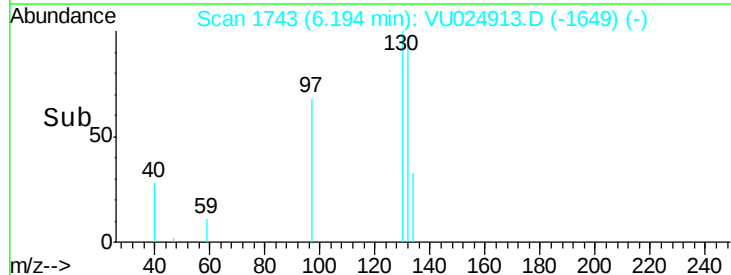
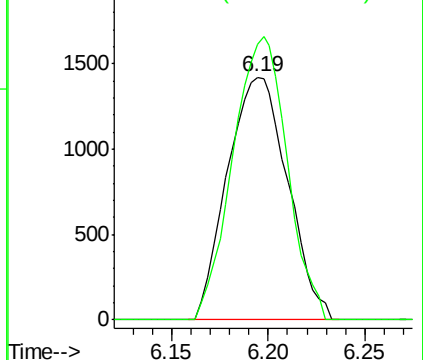
130 100

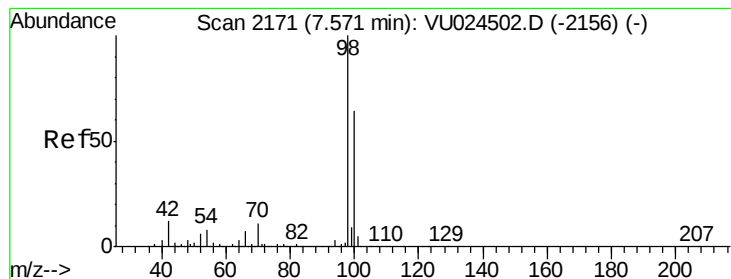
95 113.4 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 47.478 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

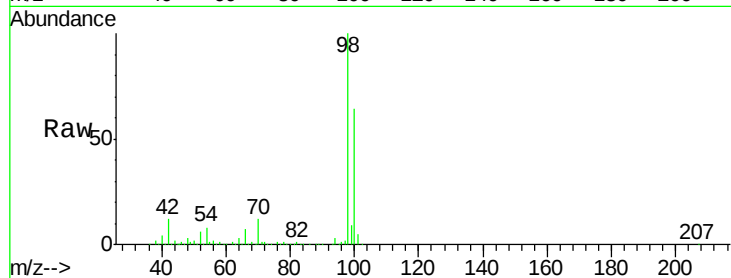
DUP-0479-180620ME

Tgt Ion: 98 Resp: 494780

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)

7.57

300000

250000

200000

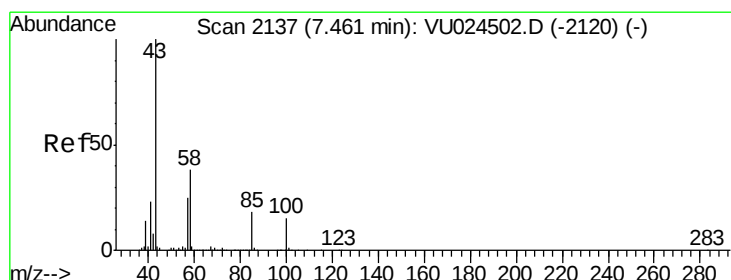
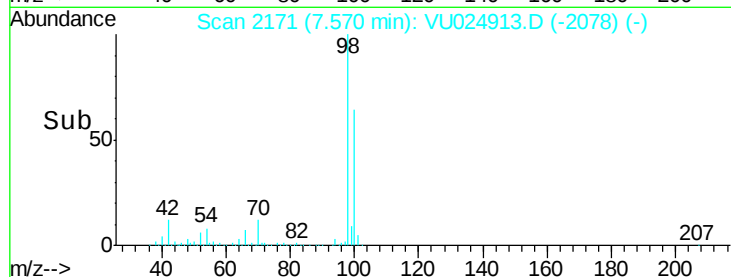
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.505 ug/l

RT: 7.56 min Scan# 2169

Delta R.T. 0.10 min

Lab File: VU024913.D

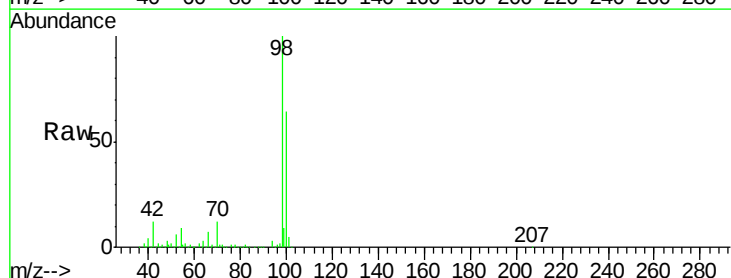
Acq: 26 Jun 2018 07:03

Tgt Ion: 43 Resp: 2419

Ion Ratio Lower Upper

43 100

58 171.1 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2120) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-2120) (-)

7.56

2500

2000

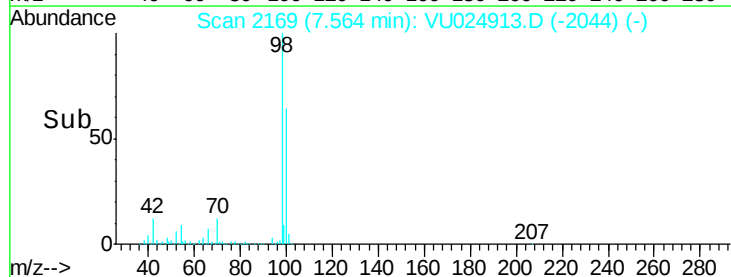
1500

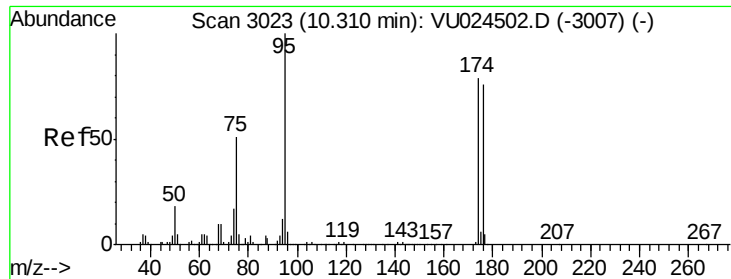
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 44.303 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

DUP-0479-180620ME

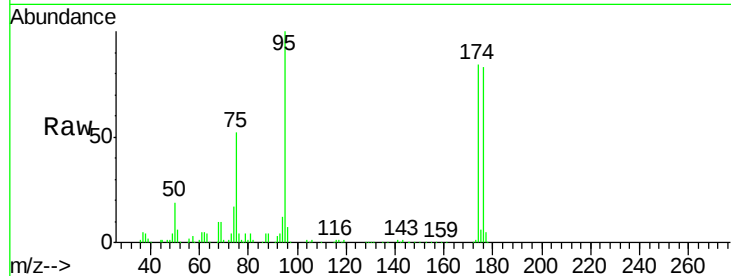
Tgt Ion: 95 Resp: 183307

Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

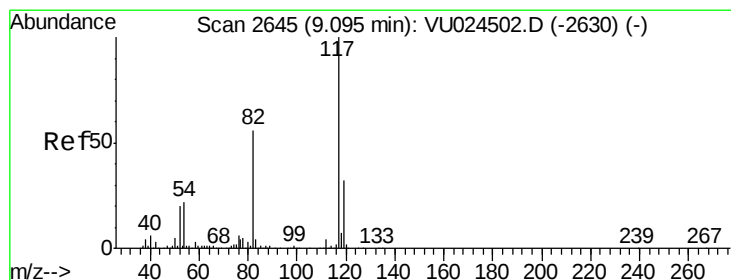
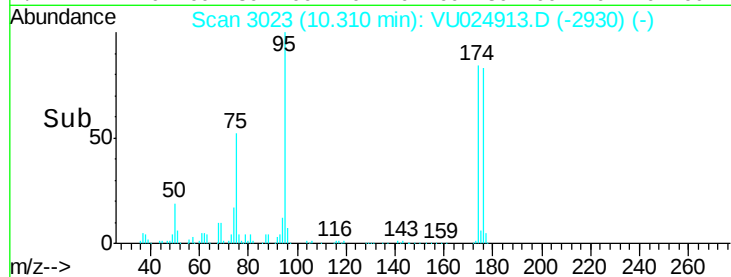
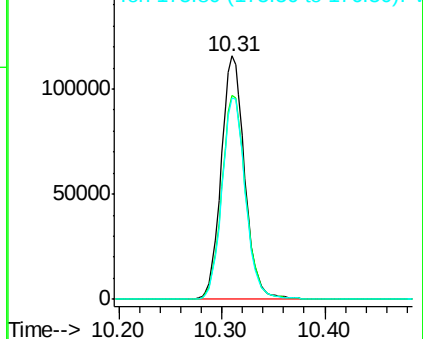
176 82.8 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024913.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024913.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024913.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

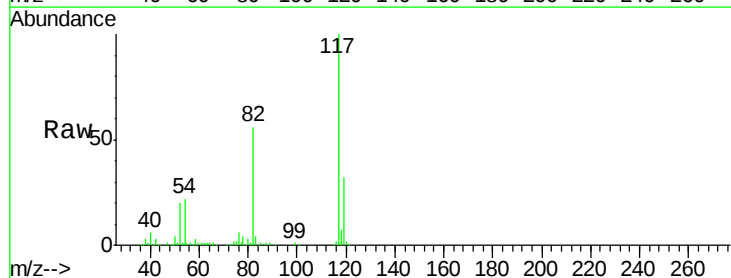
Tgt Ion: 117 Resp: 316608

Ion Ratio Lower Upper

117 100

82 56.0 44.3 66.5

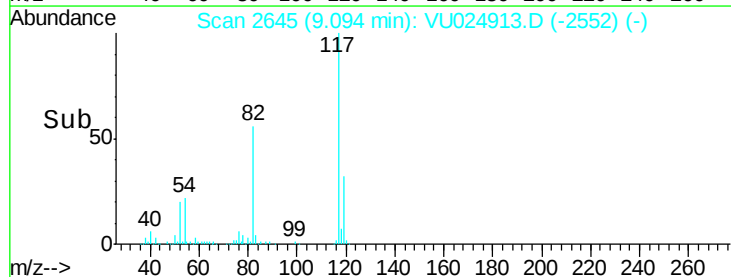
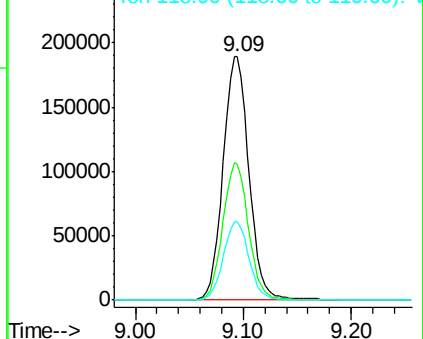
119 32.4 25.4 38.2

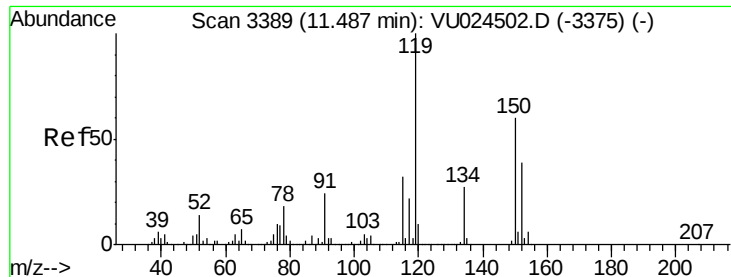


Abundance Ion 116.90 (116.60 to 117.60): VU024913.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024913.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024913.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024913.D

Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

DUP-0479-180620ME

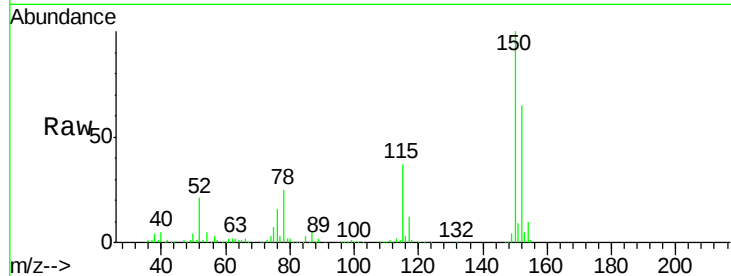
Tgt Ion:152 Resp: 167799

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

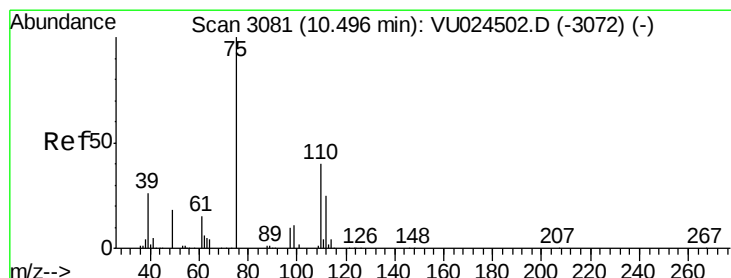
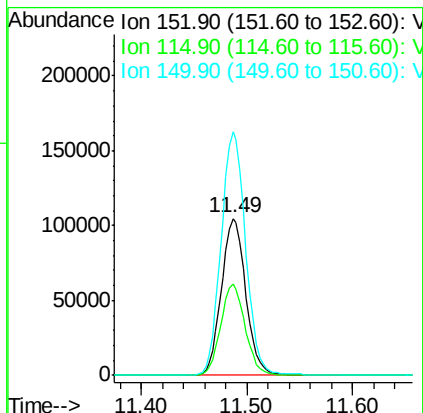
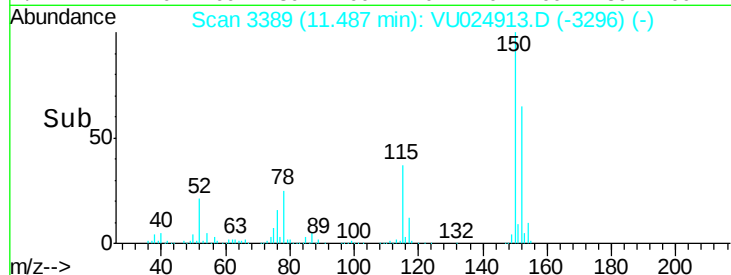
150 156.4 0.0 354.0



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: 26.030 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024913.D

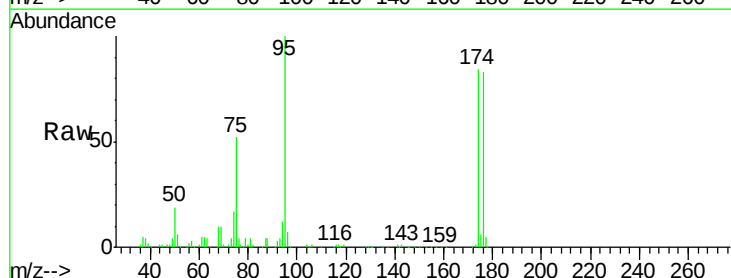
Acq: 26 Jun 2018 07:03

Tgt Ion: 75 Resp: 96165

Ion Ratio Lower Upper

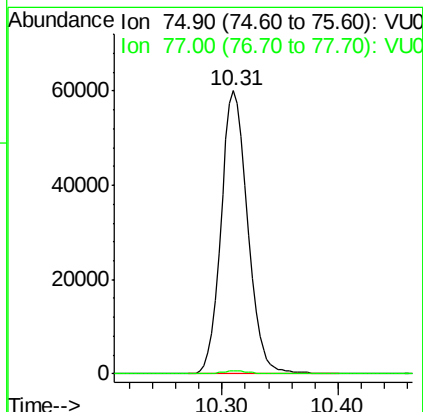
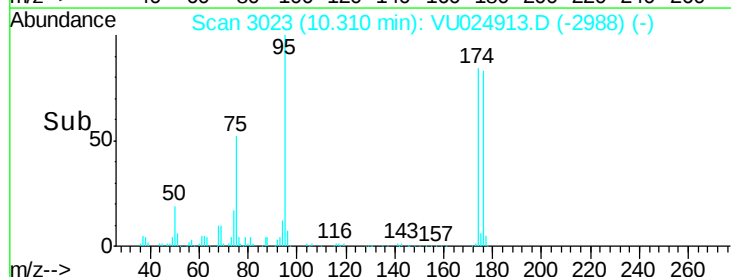
75 100

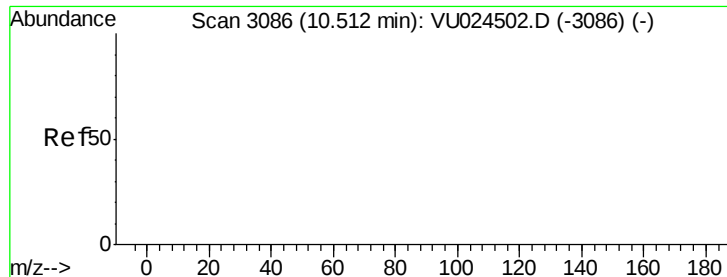
77 1.1 20.9 62.7#



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: 60.245 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024913.D

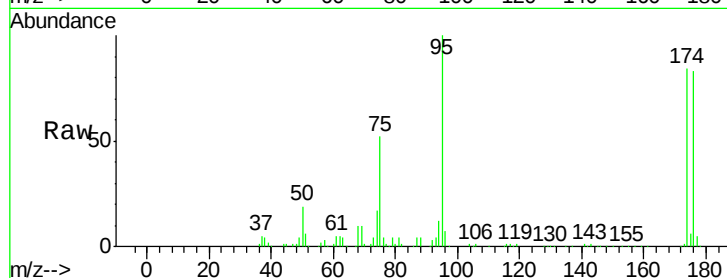
Acq: 26 Jun 2018 07:03

Instrument :

MSVOA_U

ClientSampleId :

DUP-0479-180620ME



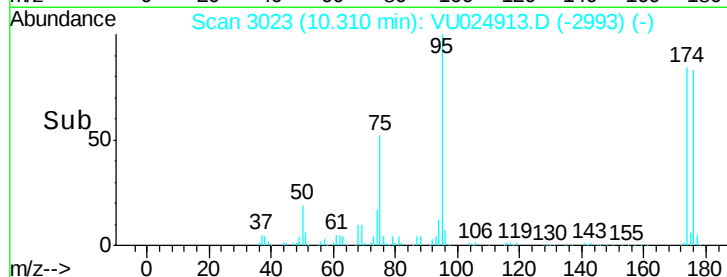
Tgt Ion: 75 Resp: 96165

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.1 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

