

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024844.D
 Acq On : 22 Jun 2018 20:14
 Operator : MD/SY
 Sample : J3561-02DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0624DL

Quant Time: Jun 23 04:03:28 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	202868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308966	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155590	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	145238	43.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.70%	
35) Dibromofluoromethane	4.89	113	119857	46.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.48%	
50) Toluene-d8	7.57	98	454916	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	10.31	95	167668	45.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.30%	

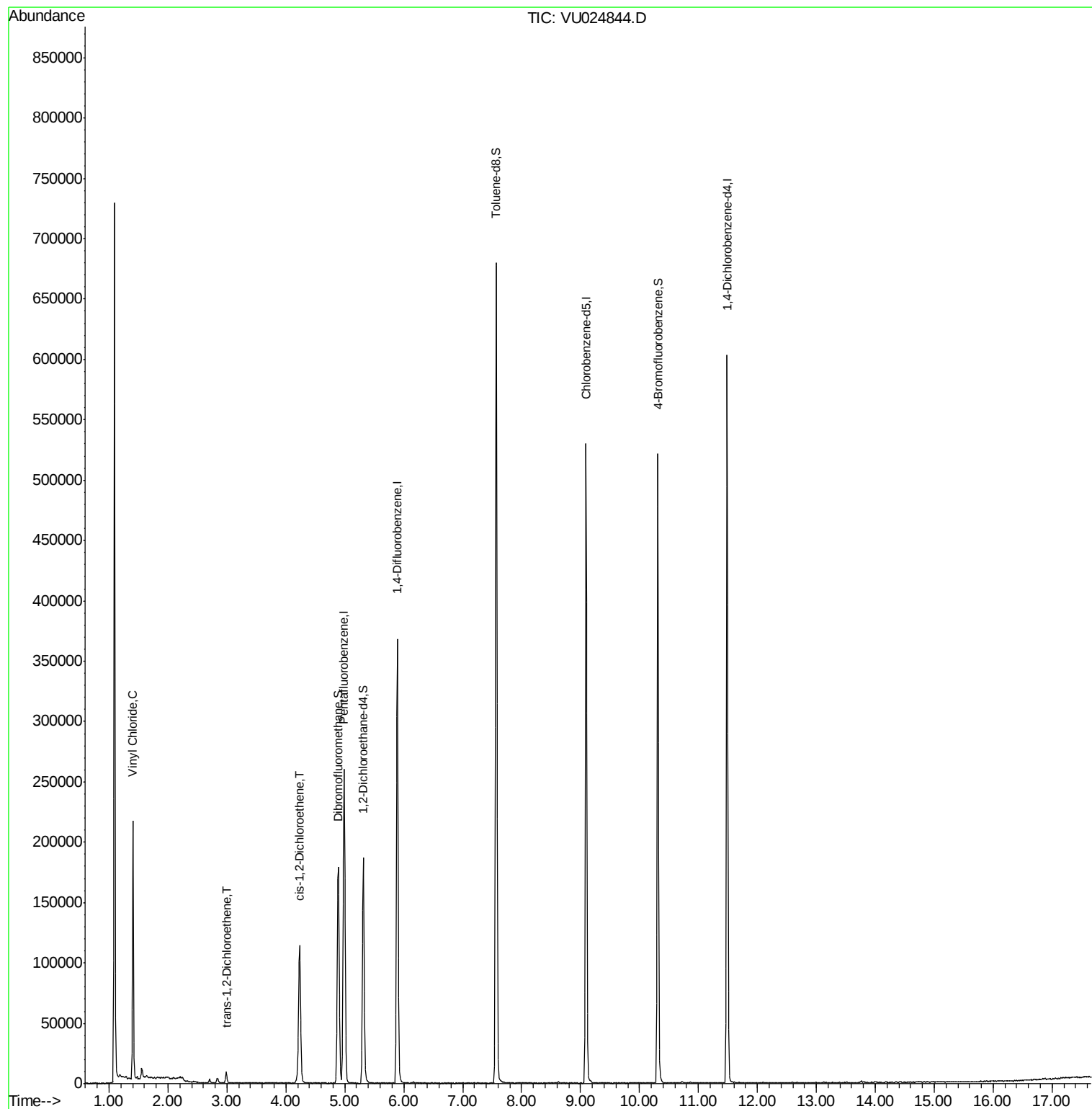
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	135487	50.64	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	3728	1.47	ug/l #	82
27) cis-1,2-Dichloroethene	4.23	96	64568	22.07	ug/l	87

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024844.D

Acq: 22 Jun 2018 20:14

Instrument :

MSVOA_U

ClientSampleId :

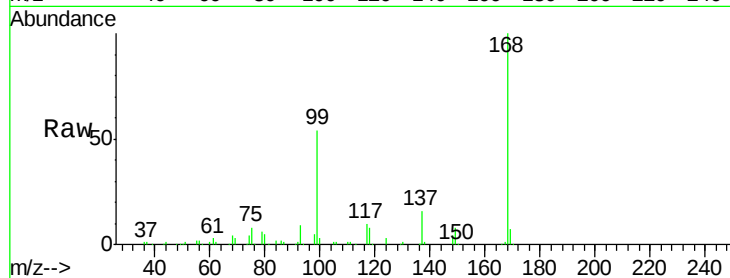
S32-0624DL

Tot Ion:168 Resp: 202868

Ion Ratio Lower Upper

168 100

99 54.4 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

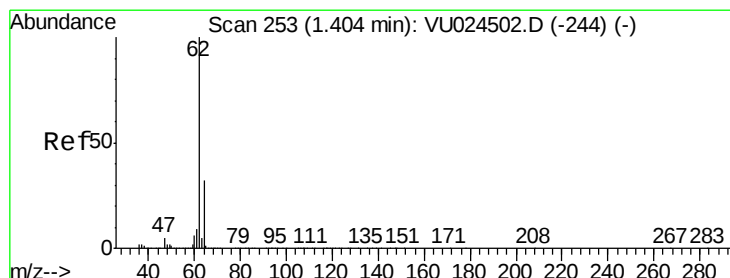
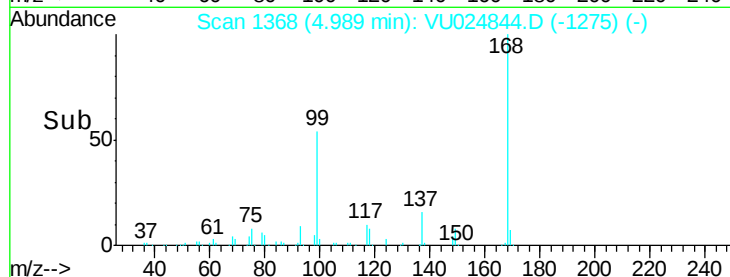
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 50.64 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024844.D

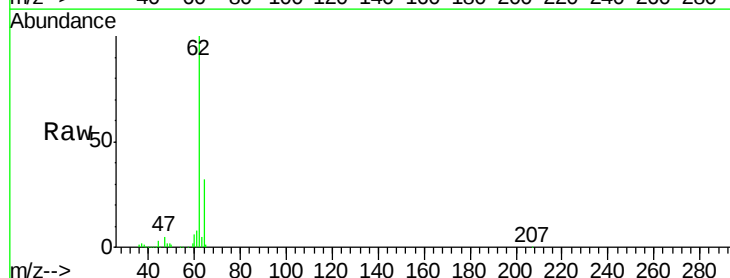
Acq: 22 Jun 2018 20:14

Tgt Ion: 62 Resp: 135487

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)

1.40

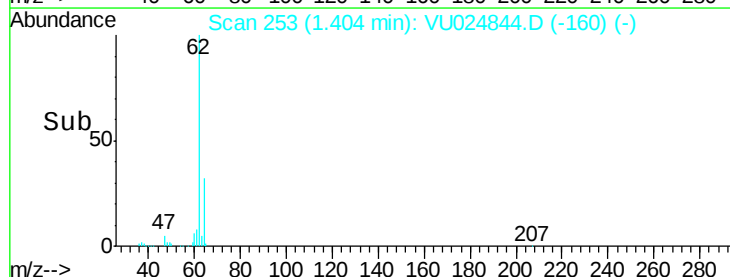
150000

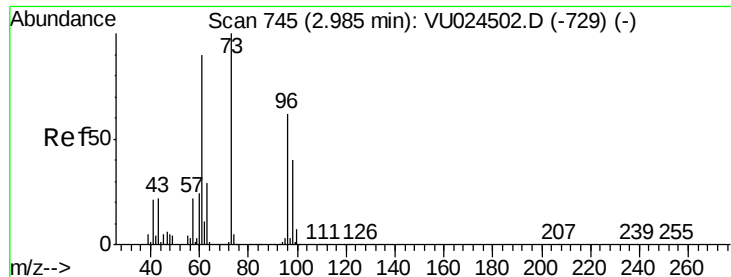
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 1.47 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024844.D

Acq: 22 Jun 2018 20:14

Instrument :

MSVOA_U

ClientSampleId :

S32-0624DL

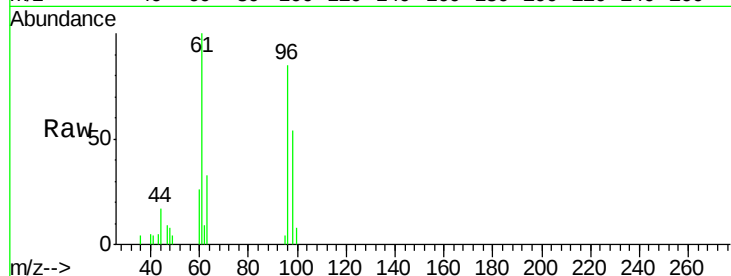
Tot Ion: 96 Resp: 3728

Ion Ratio Lower Upper

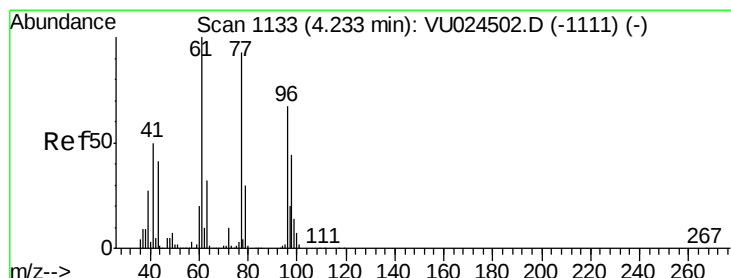
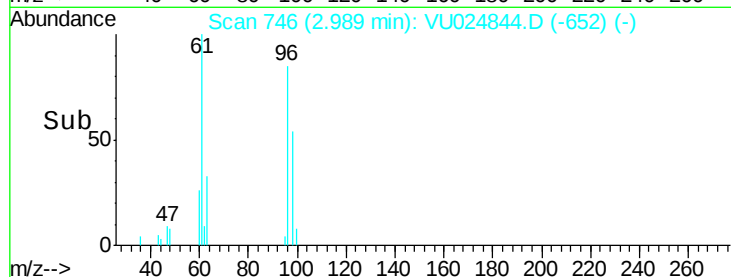
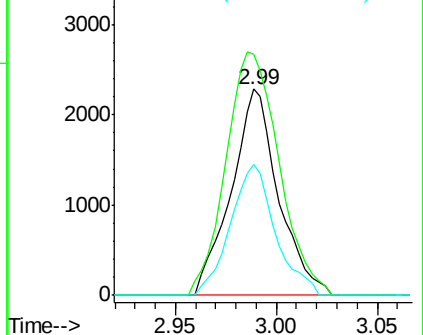
96 100

61 117.0 119.4 179.0#

98 63.5 51.1 76.7



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



#27

cis-1,2-Dichloroethene

Concen: 22.07 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024844.D

Acq: 22 Jun 2018 20:14

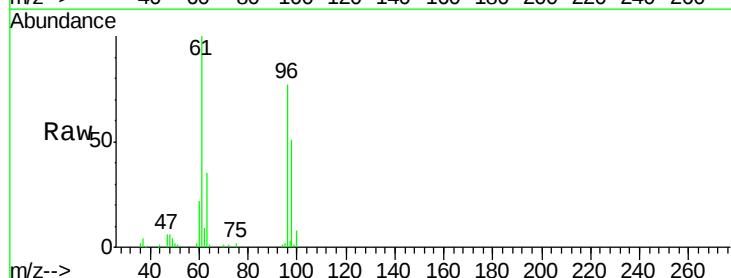
Tgt Ion: 96 Resp: 64568

Ion Ratio Lower Upper

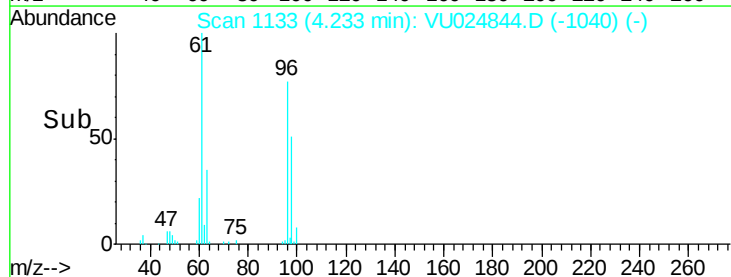
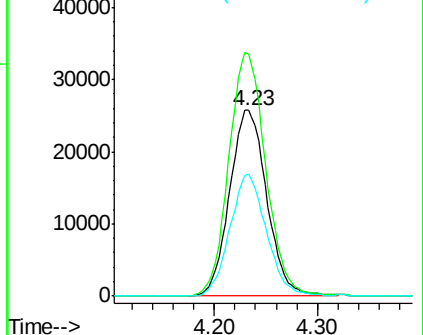
96 100

61 130.2 0.0 306.6

98 64.6 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





#33

1,2-Dichloroethane-d4

Concen: 43.85 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024844.D

Acq: 22 Jun 2018 20:14

Instrument :

MSVOA_U

ClientSampleId :

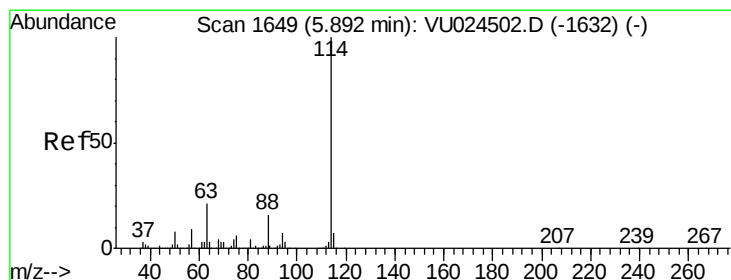
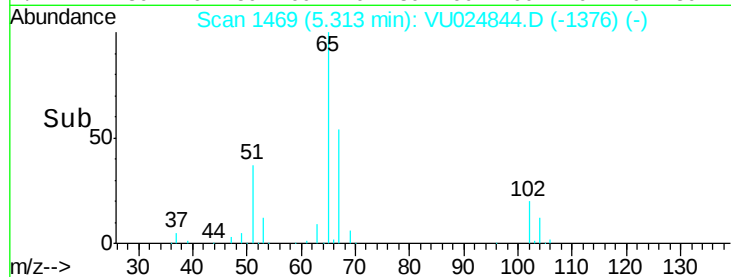
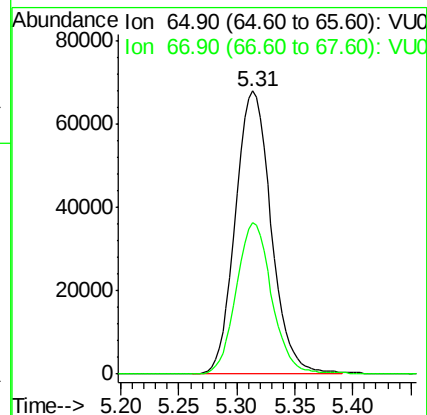
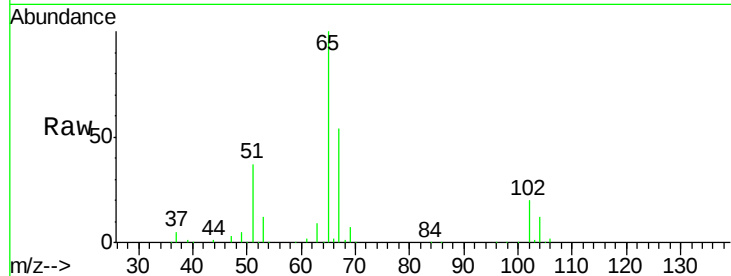
S32-0624DL

Tot Ion: 65 Resp: 145238

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024844.D

Acq: 22 Jun 2018 20:14

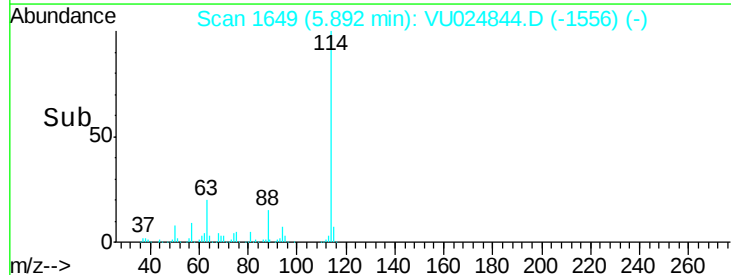
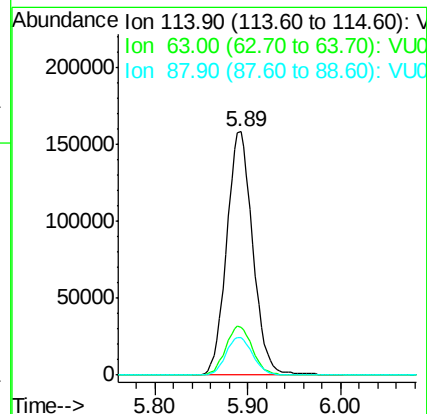
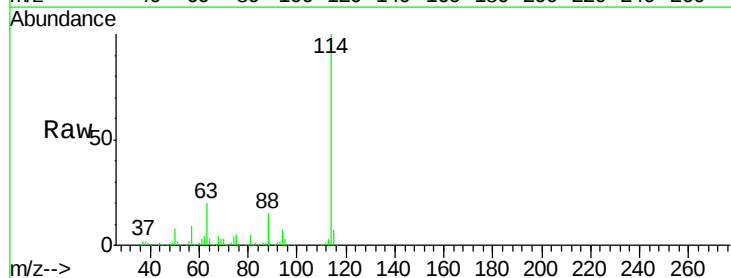
Tgt Ion: 114 Resp: 308966

Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.4

88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.74 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024844.D

Acq: 22 Jun 2018 20:14

Instrument :

MSVOA_U

ClientSampleId :

S32-0624DL

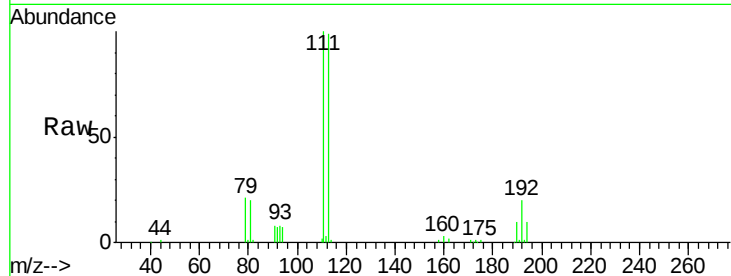
Tot Ion:113 Resp: 119857

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

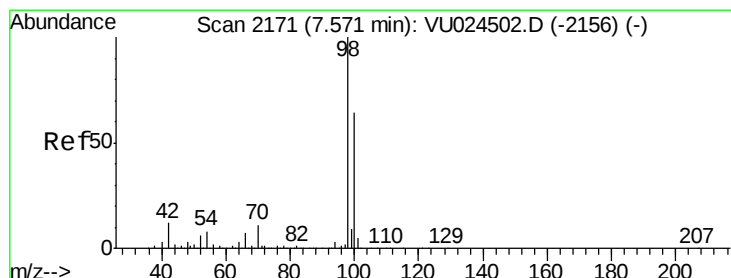
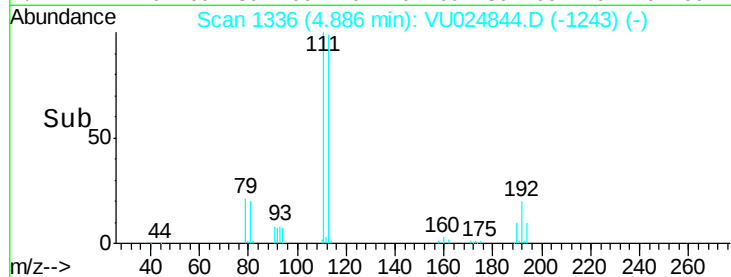
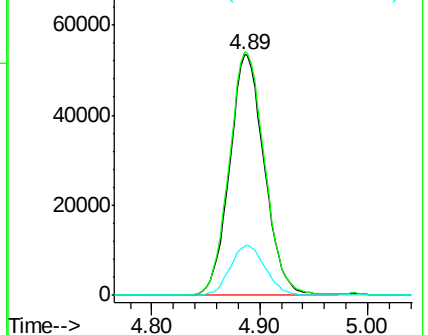
192 21.1 16.2 24.4



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



#50

Toluene-d8

Concen: 48.64 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024844.D

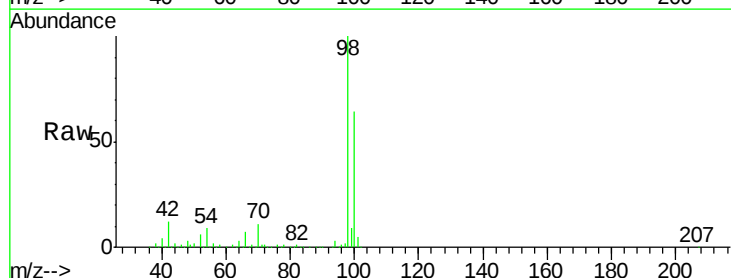
Acq: 22 Jun 2018 20:14

Tgt Ion: 98 Resp: 454916

Ion Ratio Lower Upper

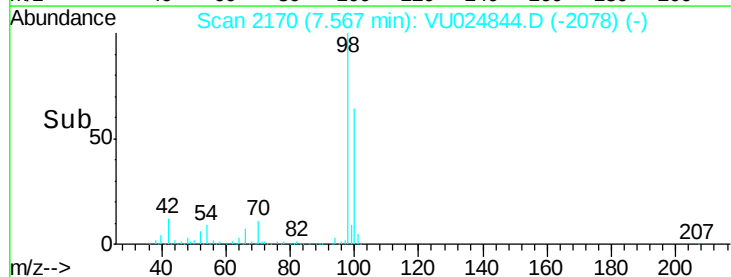
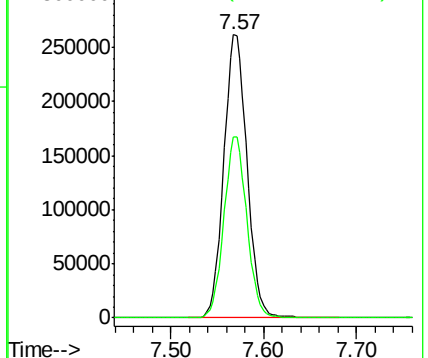
98 100

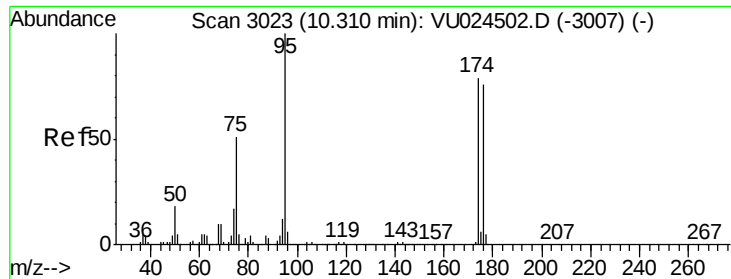
100 63.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 45.15 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024844.D

Acq: 22 Jun 2018 20:14

Instrument :

MSVOA_U

ClientSampleId :

S32-0624DL

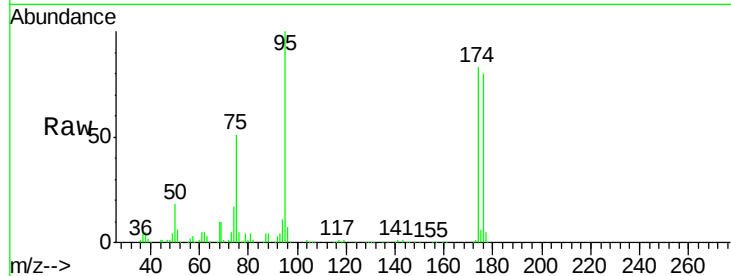
Tot Ion: 95 Resp: 167668

Ion Ratio Lower Upper

95 100

174 84.6 0.0 165.8

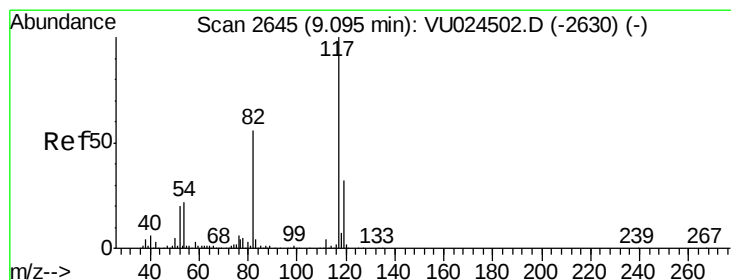
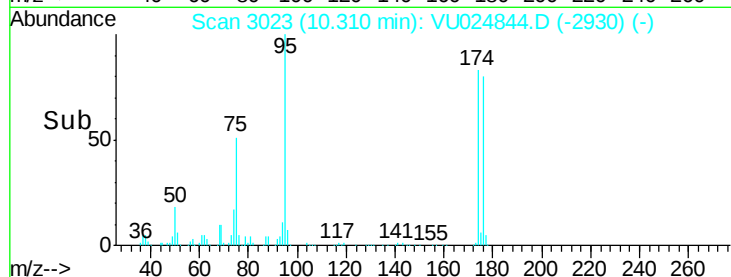
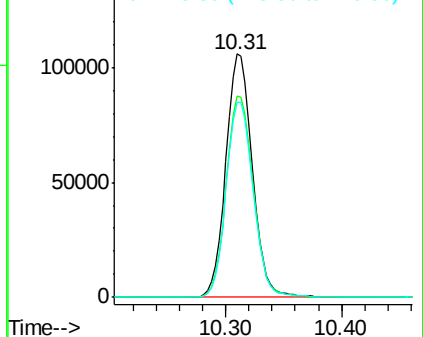
176 82.0 0.0 159.4



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: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024844.D

Acq: 22 Jun 2018 20:14

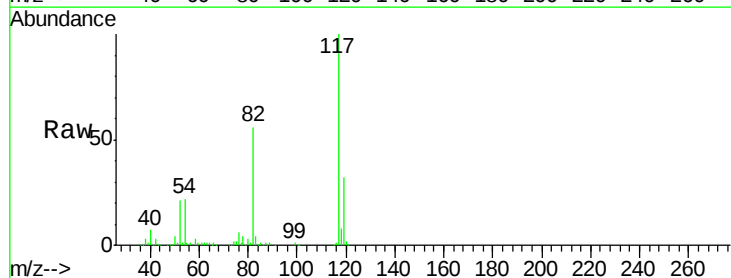
Tgt Ion: 117 Resp: 288673

Ion Ratio Lower Upper

117 100

82 56.2 44.3 66.5

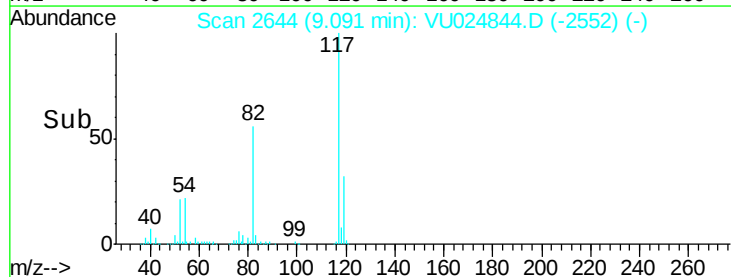
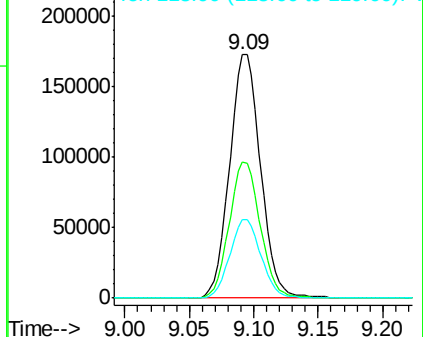
119 32.2 25.4 38.2

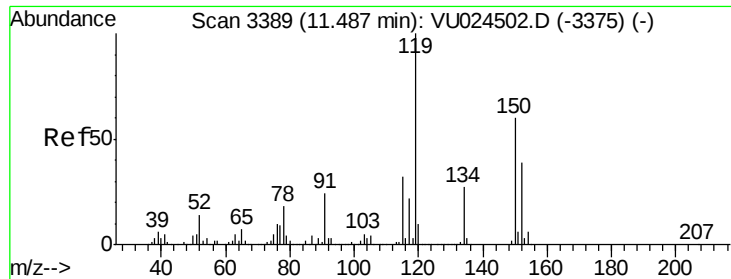


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

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: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024844.D
 Acq: 22 Jun 2018 20:14

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0624DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	43.0	129.0
150	158.0	0.0	354.0

