

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024816.D
 Acq On : 21 Jun 2018 17:18
 Operator : MD/SY
 Sample : J3561-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0623

Quant Time: Jun 22 04:42:14 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	197009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297839	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153517	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	143067	44.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.96%	
35) Dibromofluoromethane	4.89	113	117718	47.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.24%	
50) Toluene-d8	7.57	98	438929	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	10.31	95	162012	45.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.52%	

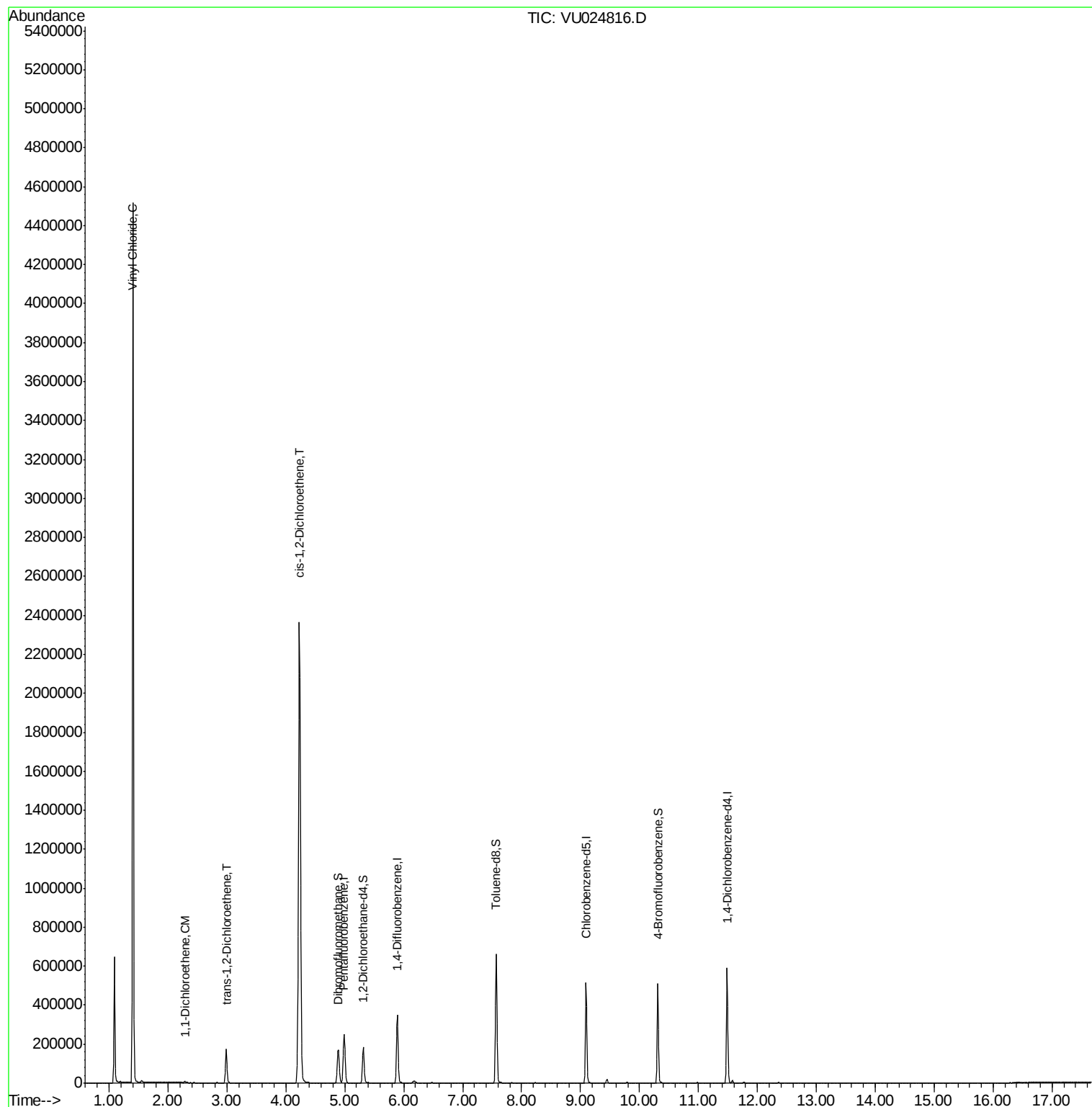
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2807180	1080.46	ug/l	98
12) 1,1-Dichloroethene	2.29	96	2878	1.28	ug/l	83
21) trans-1,2-Dichloroethene	2.99	96	67024	27.13	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	1325471	466.64	ug/l	88

(#) = 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: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

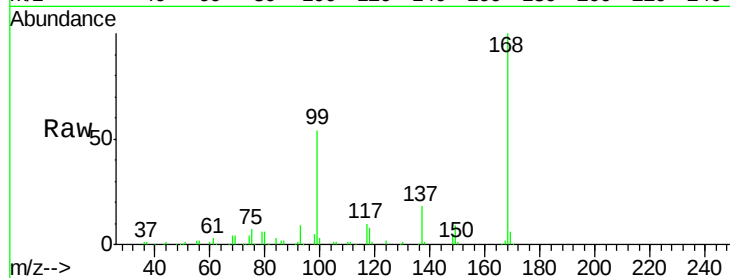
S32-0623

Tot Ion:168 Resp: 197009

Ion Ratio Lower Upper

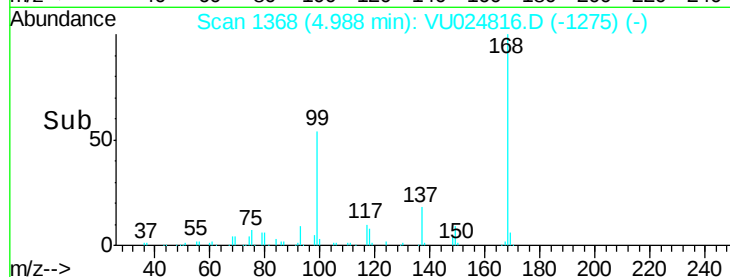
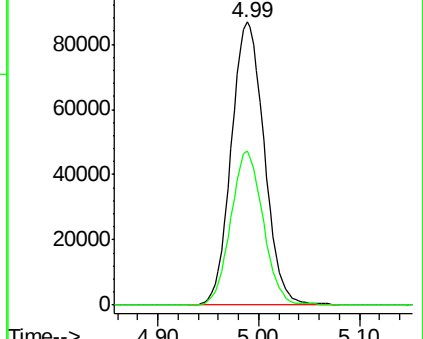
168 100

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



#4

Vinyl Chloride

Concen: 1080.46 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024816.D

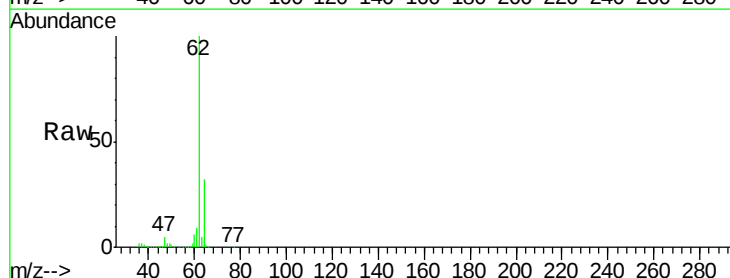
Acq: 21 Jun 2018 17:18

Tgt Ion: 62 Resp: 2807180

Ion Ratio Lower Upper

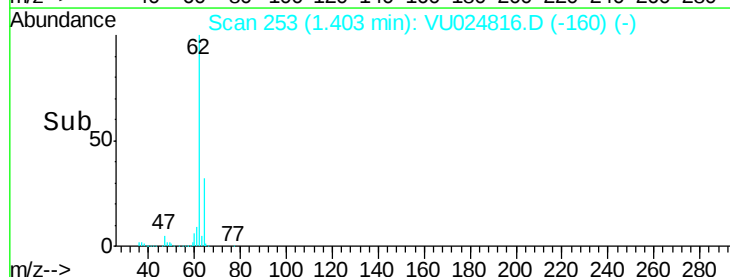
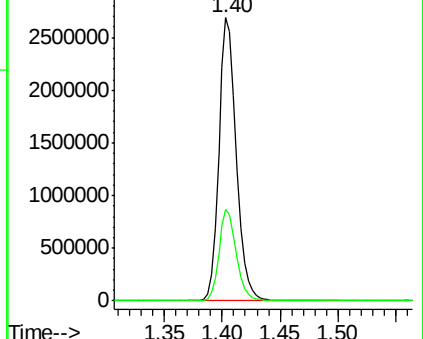
62 100

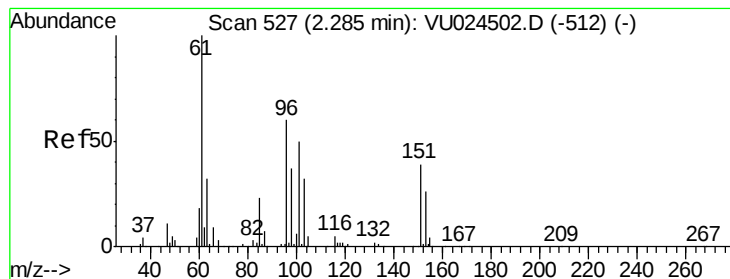
64 32.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#12

1,1-Dichloroethene

Concen: 1.28 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

S32-0623

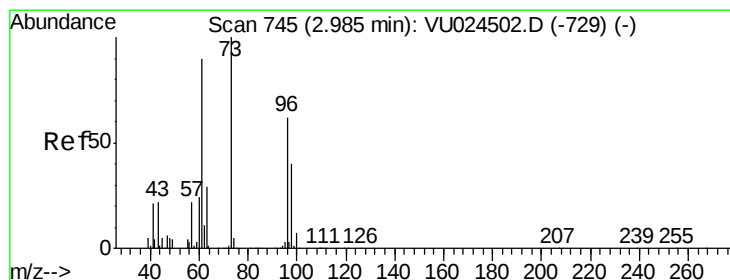
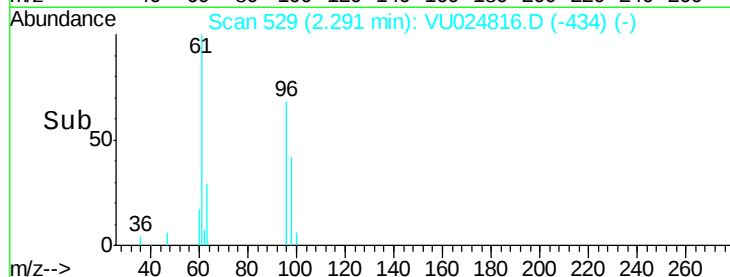
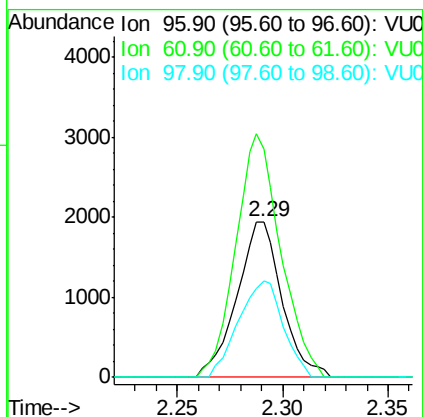
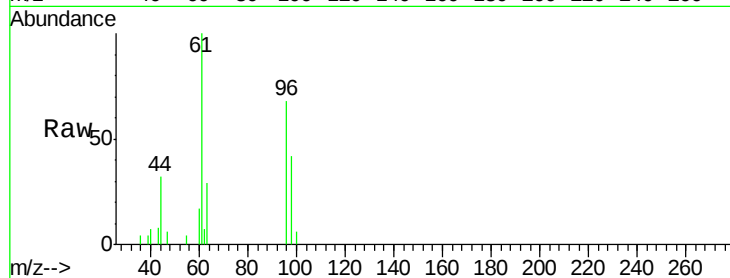
Tot Ion: 96 Resp: 2878

Ion Ratio Lower Upper

96 100

61 146.9 141.7 212.5

98 62.0 51.6 77.4



#21

trans-1,2-Dichloroethene

Concen: 27.13 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

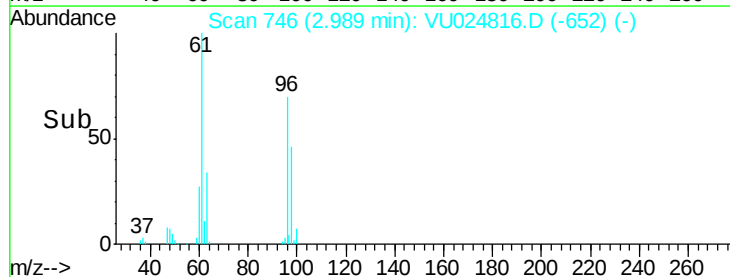
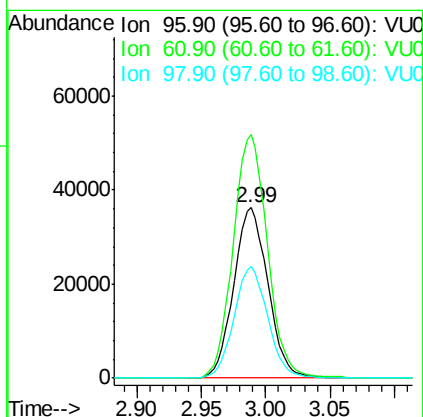
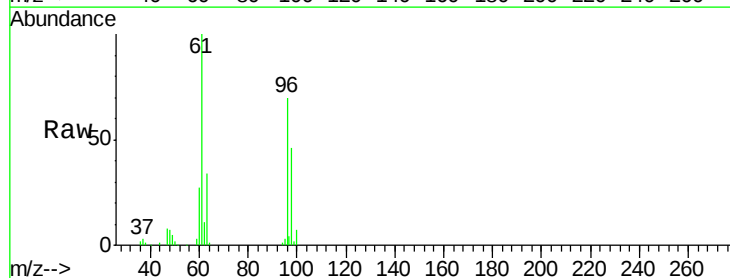
Tgt Ion: 96 Resp: 67024

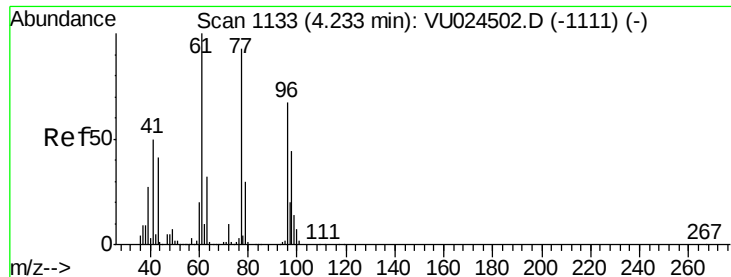
Ion Ratio Lower Upper

96 100

61 143.0 119.4 179.0

98 65.4 51.1 76.7





#27

cis-1,2-Dichloroethene

Concen: 466.64 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

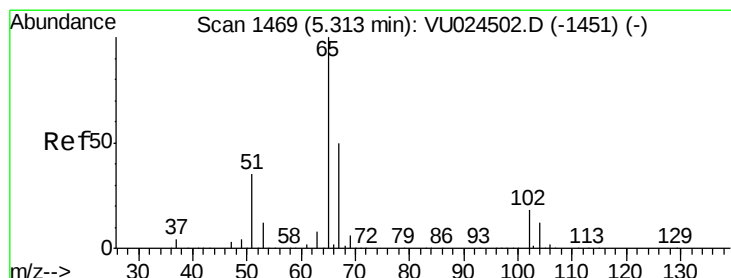
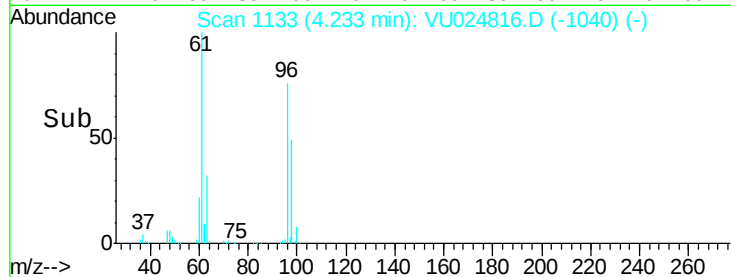
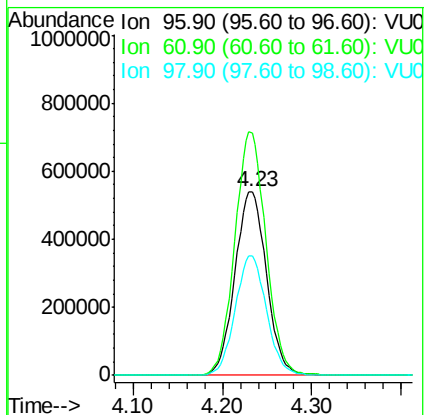
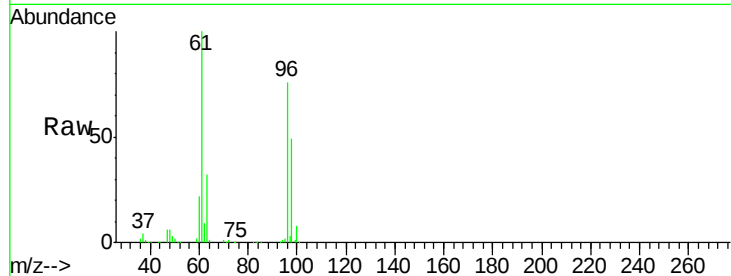
MSVOA_U

ClientSampleId :

S32-0623

Tot Ion: 96 Resp: 1325471

Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	306.6
98	64.8	0.0	128.8



#33

1,2-Dichloroethane-d4

Concen: 44.48 ug/l

RT: 5.31 min Scan# 1469

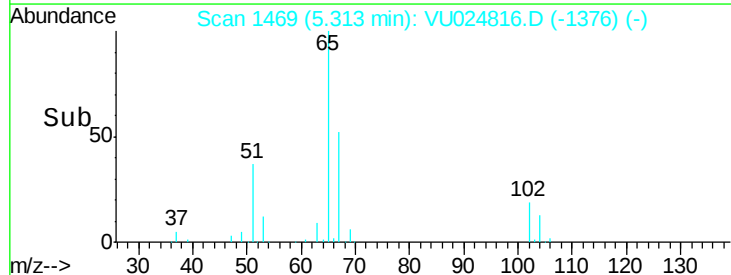
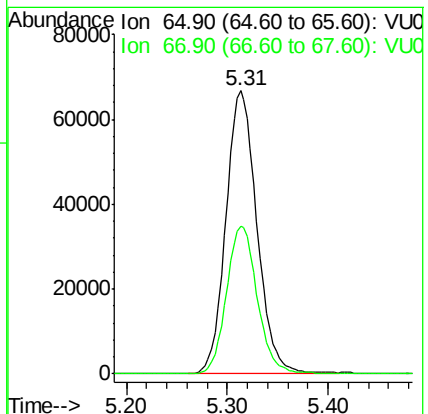
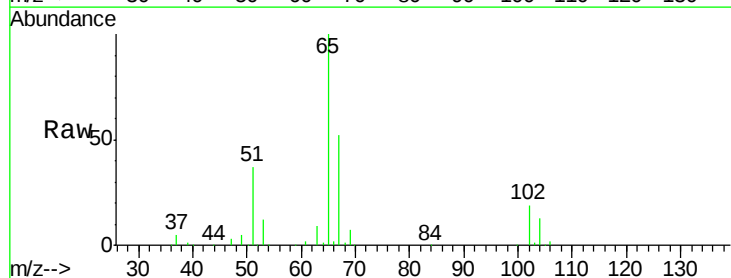
Delta R.T. -0.00 min

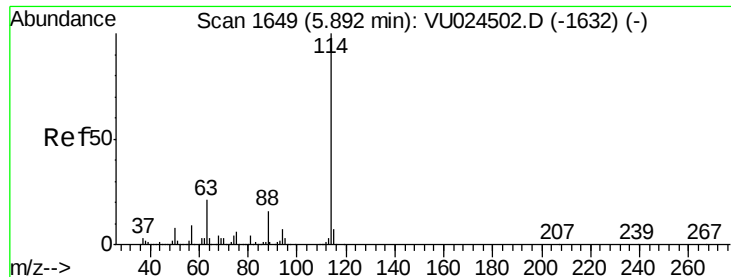
Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Tgt Ion: 65 Resp: 143067

Ion	Ratio	Lower	Upper
65	100		
67	51.9	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: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

S32-0623

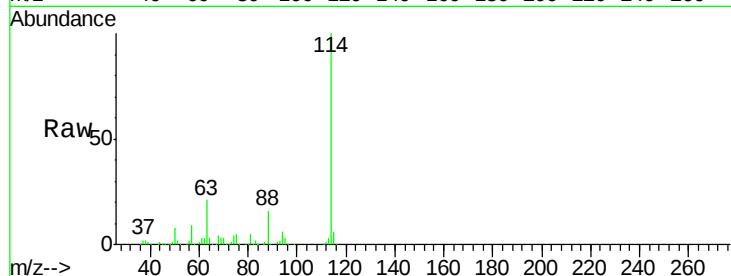
Tot Ion:114 Resp: 297839

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.4

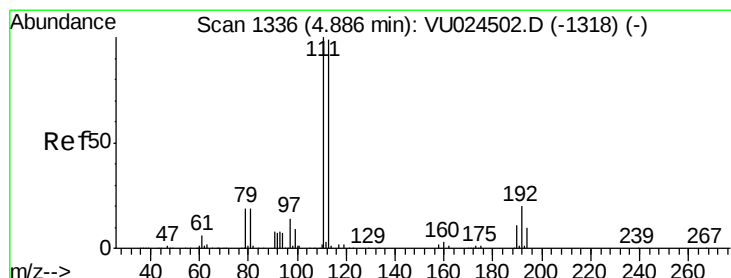
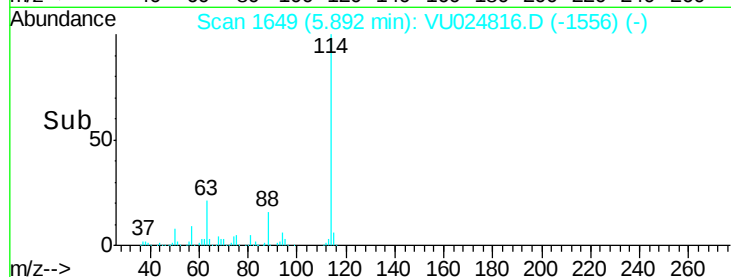
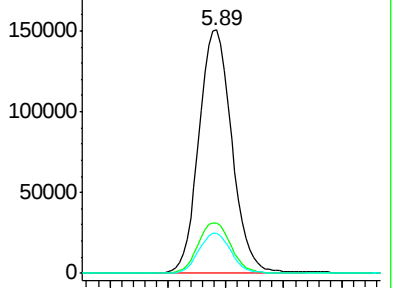
88 16.4 0.0 31.0



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: 47.62 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

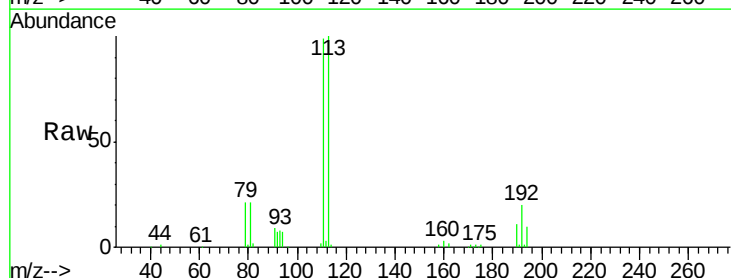
Tgt Ion:113 Resp: 117718

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

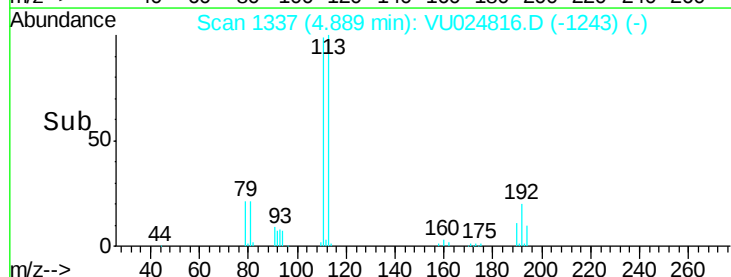
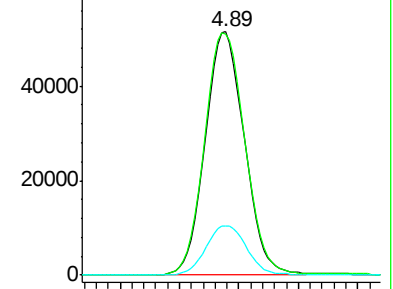
192 21.0 16.2 24.4



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: 48.68 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

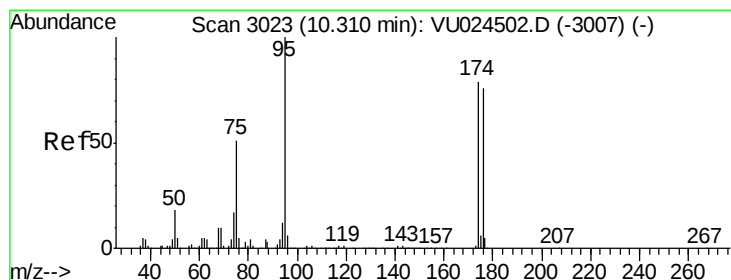
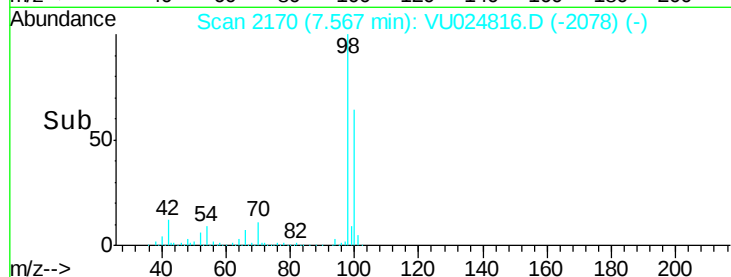
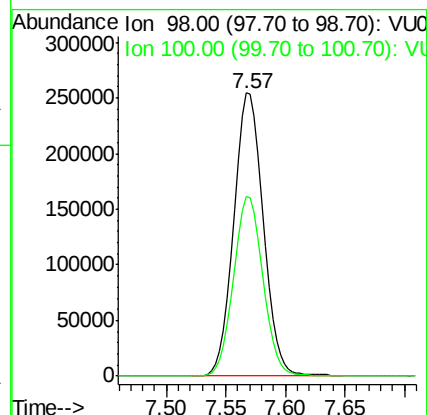
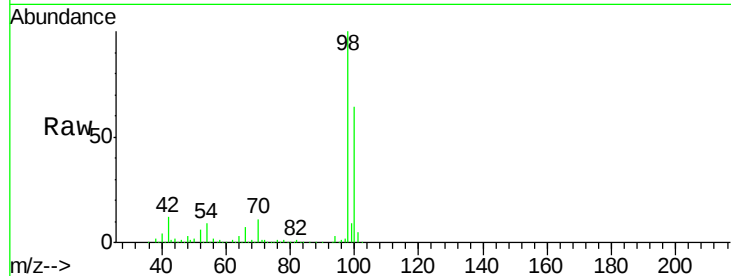
S32-0623

Tot Ion: 98 Resp: 438929

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 45.26 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024816.D

Acq: 21 Jun 2018 17:18

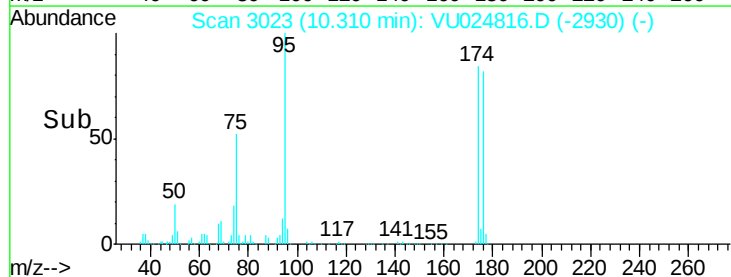
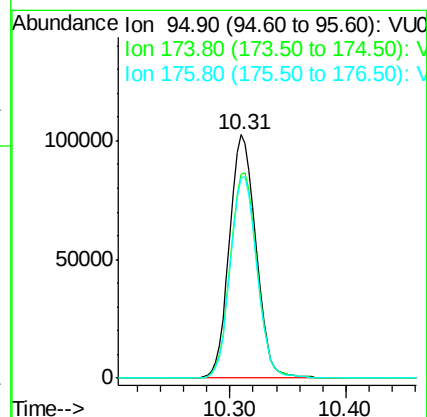
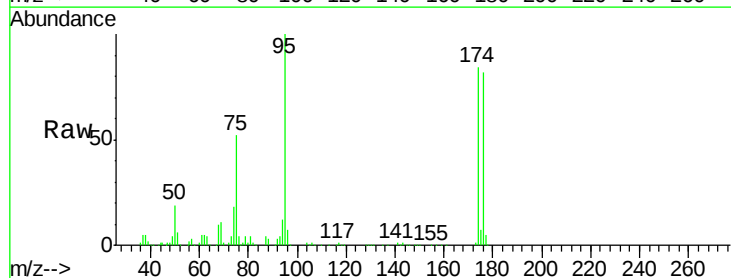
Tgt Ion: 95 Resp: 162012

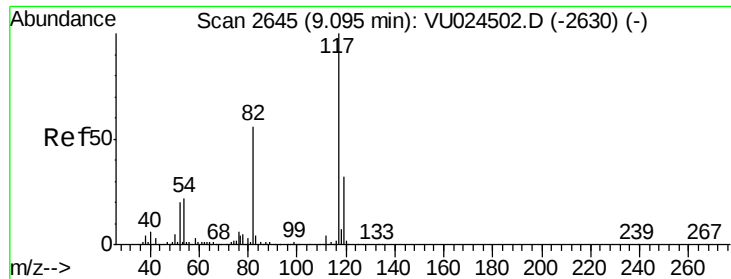
Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

176 83.1 0.0 159.4

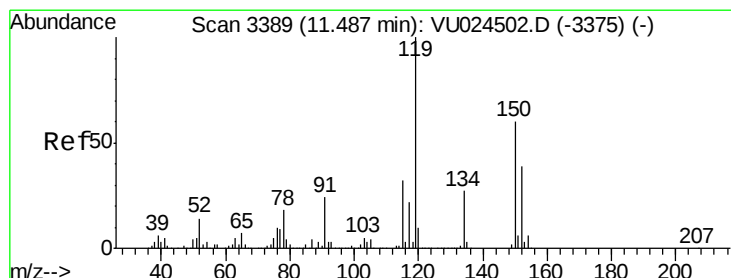
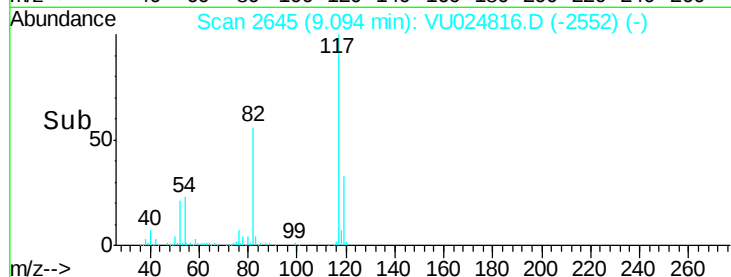
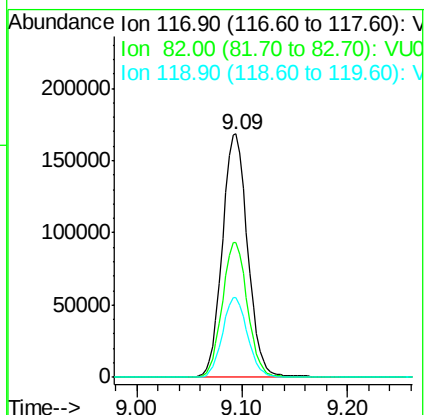
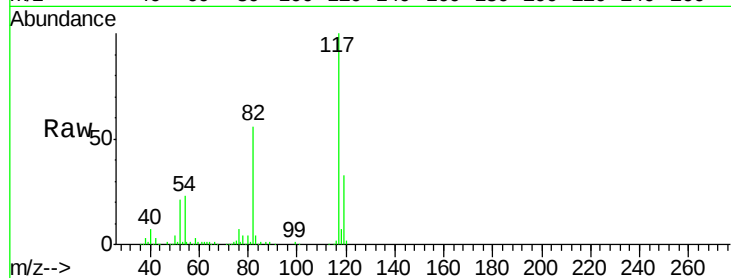




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

Instrument :
MSVOA_U
ClientSampleId :
S32-0623

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.3	66.5
119	32.6	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024816.D
Acq: 21 Jun 2018 17:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	43.0	129.0
150	154.1	0.0	354.0

