

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028040.D
 Acq On : 09 Nov 2018 13:27
 Operator : MD/SY
 Sample : J5885-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FB11818

Quant Time: Nov 12 06:14:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	196100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	375347	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	334259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	131430	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	167881	57.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.16%	
35) Dibromofluoromethane	4.89	113	120650	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
50) Toluene-d8	7.57	98	487475	53.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	10.31	95	157296	46.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.30%	

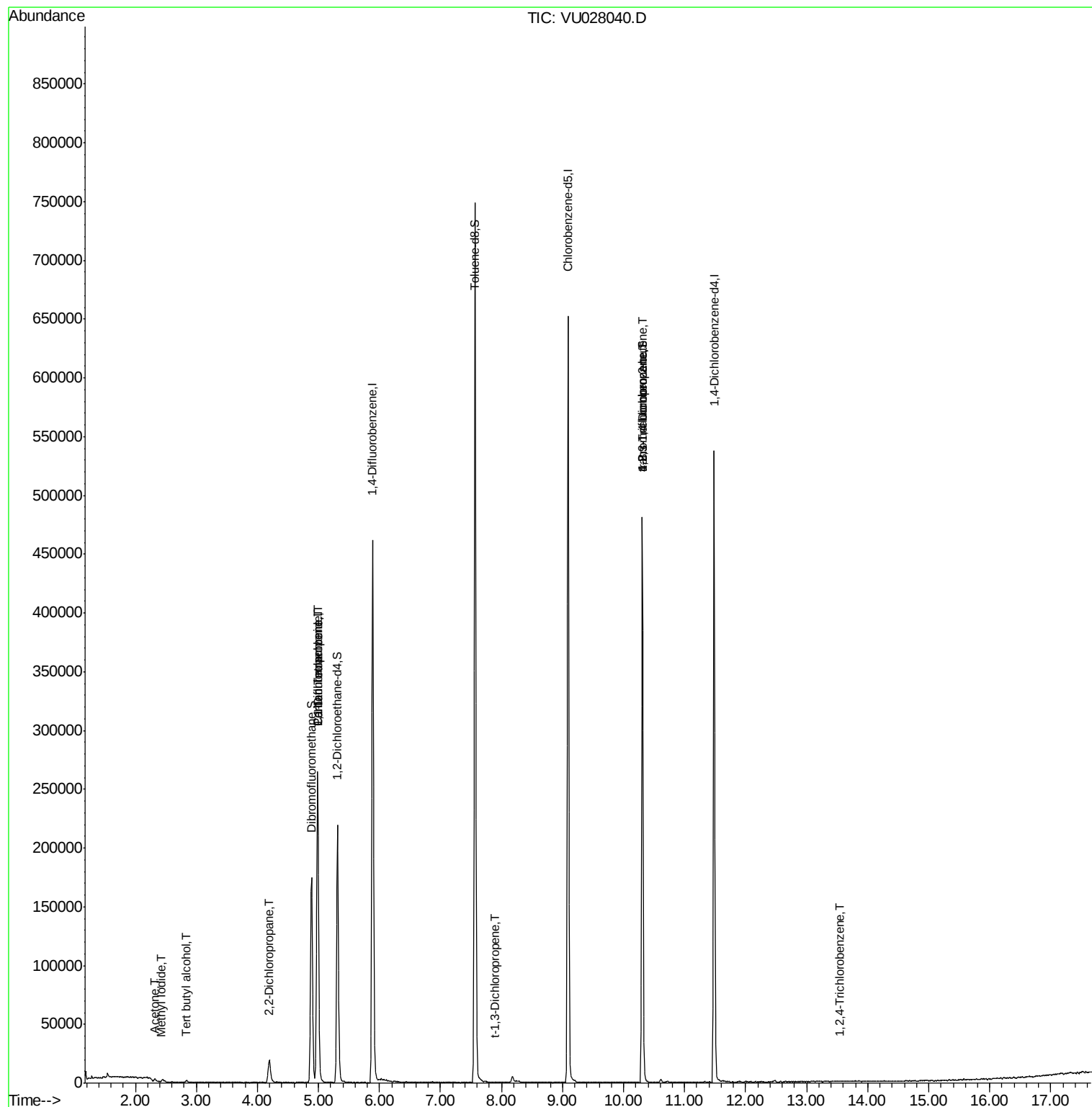
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.41	142	47	7.781	ug/l #	40
11) Tert butyl alcohol	2.84	59	1698	2.200	ug/l #	82
13) Acrolein	2.18	56	170	Below Cal	#	15
16) Acetone	2.32	43	2922	1.615	ug/l #	88
26) 2,2-Dichloropropane	4.18	77	1161	0.300	ug/l #	53
31) Cyclohexane	4.99	56	4743	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17672	4.495	ug/l #	49
38) Carbon Tetrachloride	4.99	117	19330	5.549	ug/l #	16
53) t-1,3-Dichloropropene	7.89	75	21	1.122	ug/l #	43
76) 1,2,3-Trichloropropane	10.31	75	83458	23.215	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	83458	57.921	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.54	180	111	0.720	ug/l #	1
95) Naphthalene	13.77	128	224	Below Cal	#	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

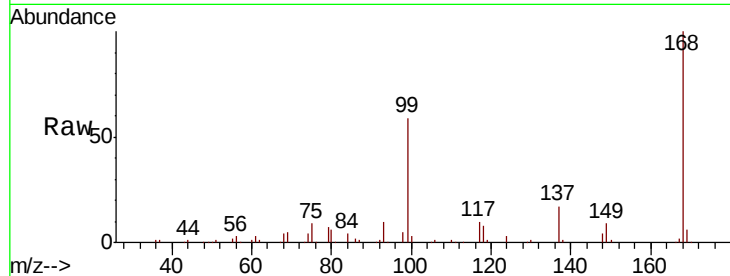
FB11818

Tot Ion:168 Resp: 196100

Ion Ratio Lower Upper

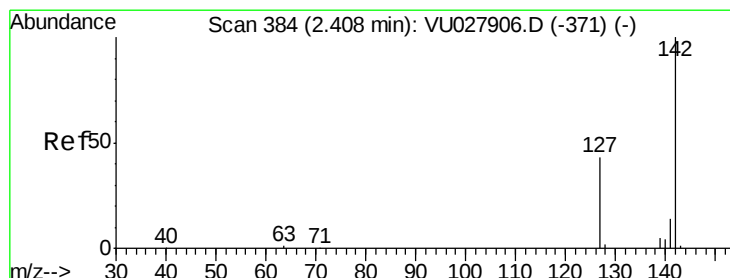
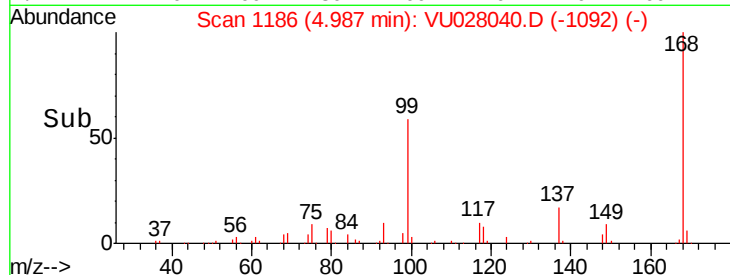
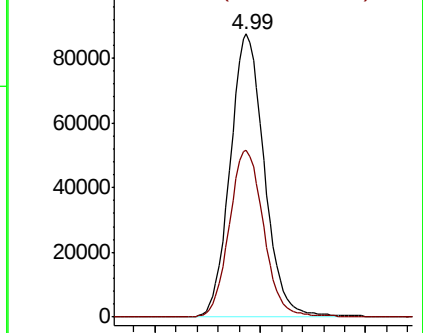
168 100

99 58.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#10

Methyl Iodide

Concen: 7.781 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

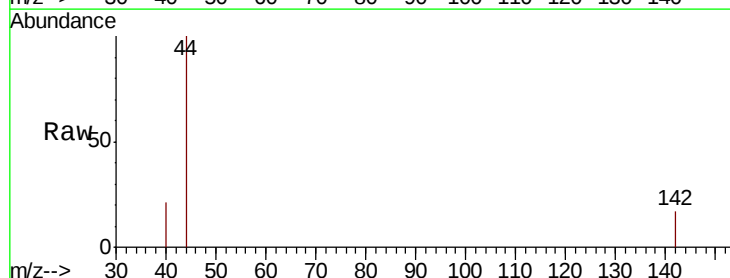
Tgt Ion:142 Resp: 47

Ion Ratio Lower Upper

142 100

127 0.0 35.2 52.8#

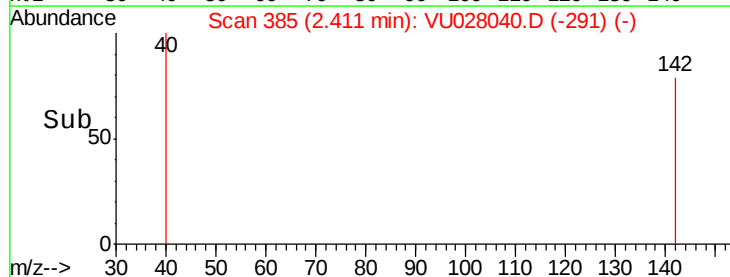
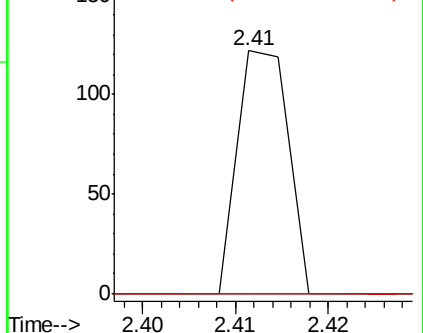
141 0.0 11.8 17.8#

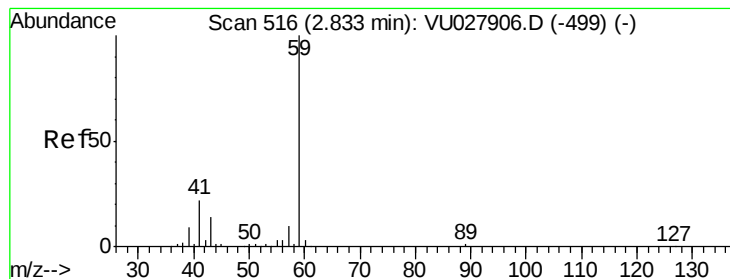


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



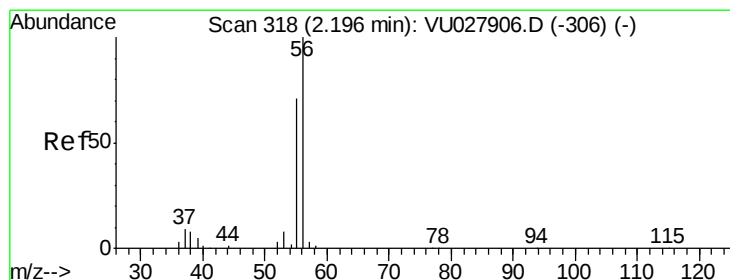
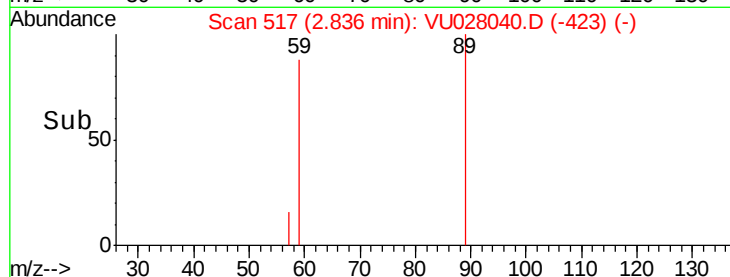
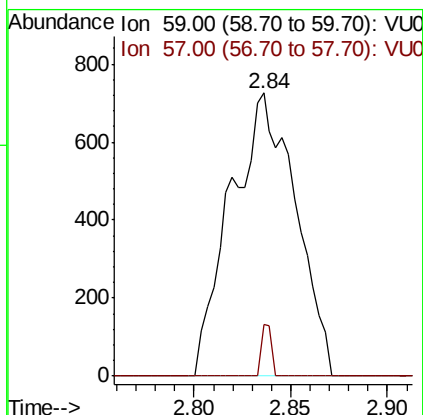
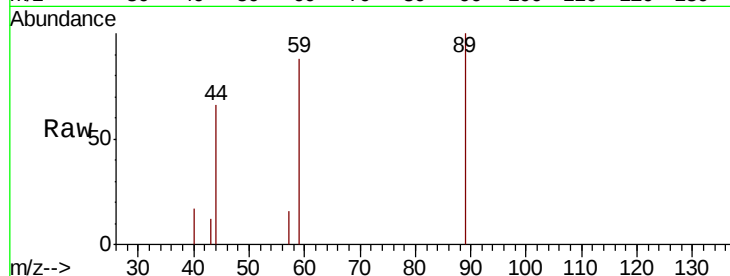


#11

Tert butyl alcohol
 Concen: 2.200 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VU028040.D
 Acq: 09 Nov 2018 13:27

Instrument :
 MSVOA_U
 ClientSampleId :
 FB11818

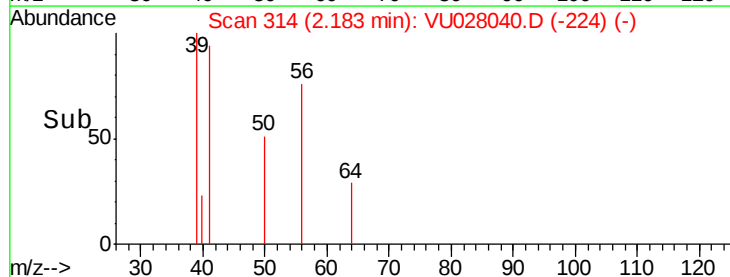
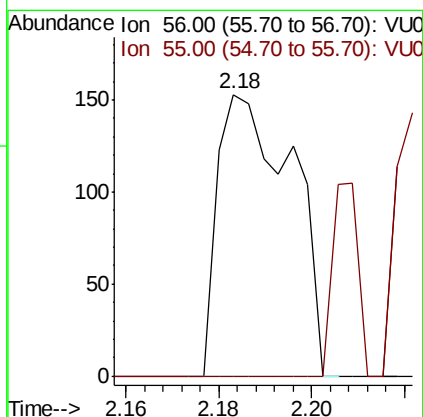
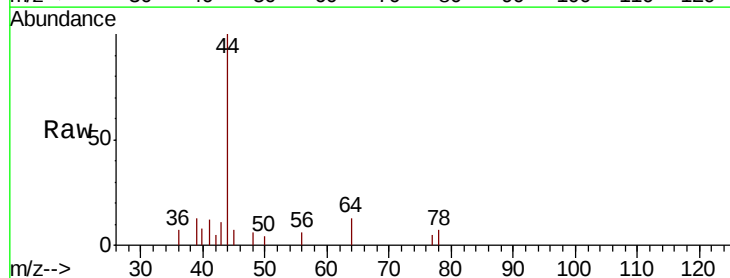
Tot Ion: 59 Resp: 1698
 Ion Ratio Lower Upper
 59 100
 57 3.0 7.8 11.8#

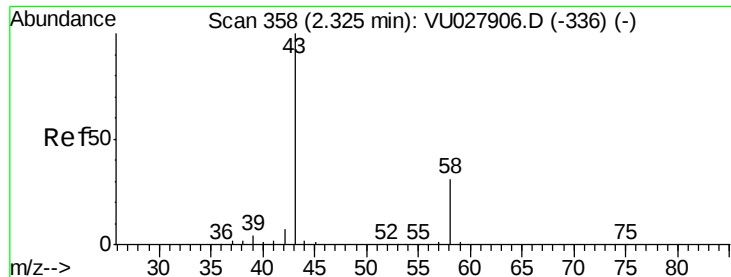


#13

Acrolein
 Concen: Below Cal
 RT: 2.18 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VU028040.D
 Acq: 09 Nov 2018 13:27

Tgt Ion: 56 Resp: 170
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.2 84.4#





#16

Acetone

Concen: 1.615 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

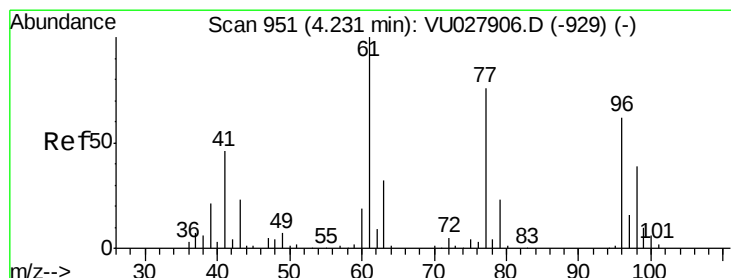
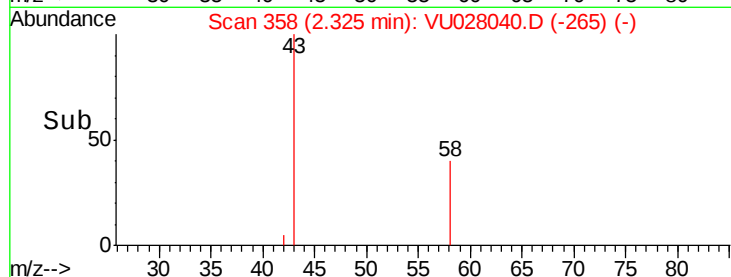
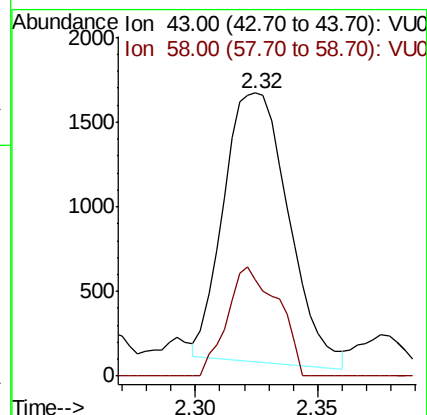
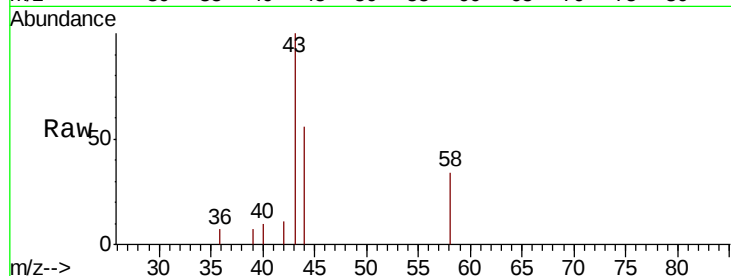
FB11818

Tot Ion: 43 Resp: 2922

Ion Ratio Lower Upper

43 100

58 37.2 24.6 37.0#



#26

2,2-Dichloropropane

Concen: 0.300 ug/l

RT: 4.18 min Scan# 936

Delta R.T. -0.05 min

Lab File: VU028040.D

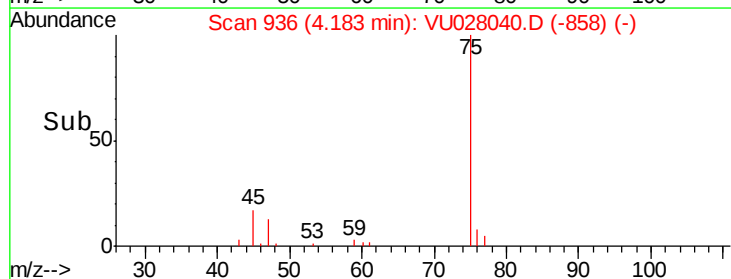
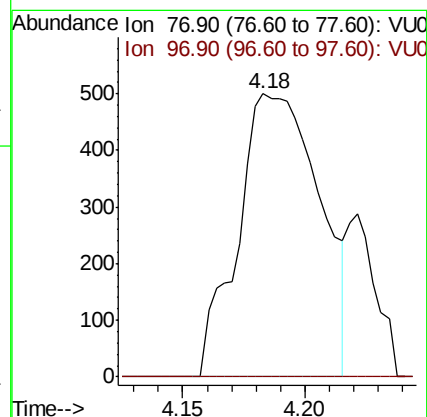
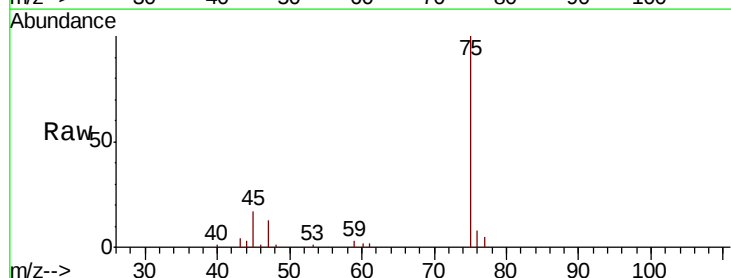
Acq: 09 Nov 2018 13:27

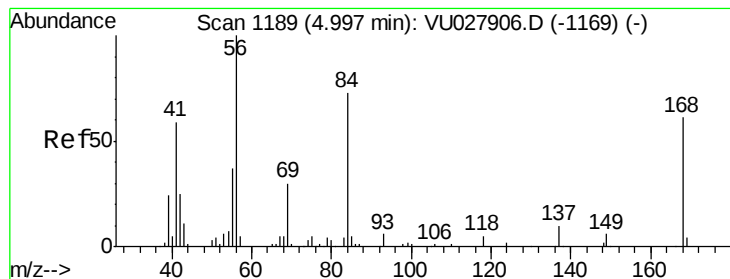
Tgt Ion: 77 Resp: 1161

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

Instrument :

MSVOA_U

ClientSampled :

FB11818

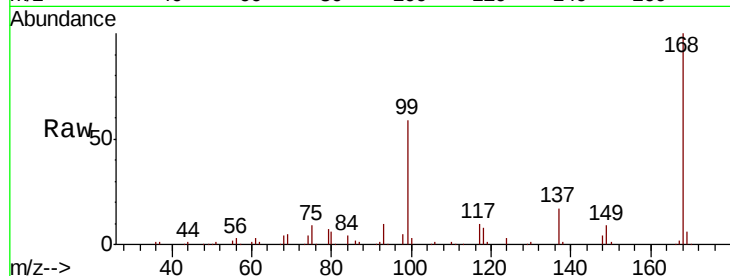
Tot Ion: 56 Resp: 4743

Ion Ratio Lower Upper

56 100

69 168.0 23.7 35.5#

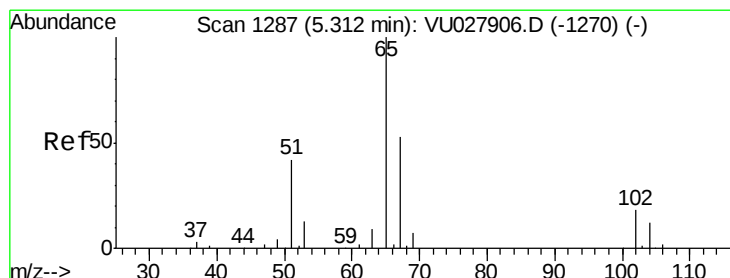
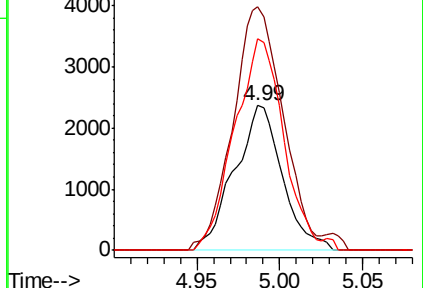
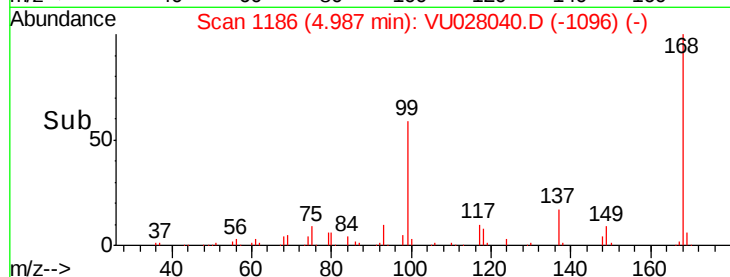
84 145.6 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU028040.D (-1096) (-)

Ion 69.00 (68.70 to 69.70): VU028040.D (-1096) (-)

Ion 84.00 (83.70 to 84.70): VU028040.D (-1096) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.582 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU028040.D

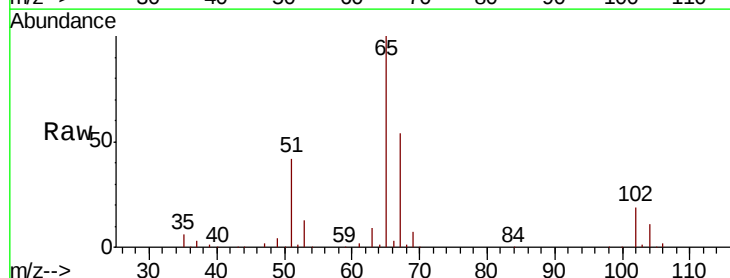
Acq: 09 Nov 2018 13:27

Tgt Ion: 65 Resp: 167881

Ion Ratio Lower Upper

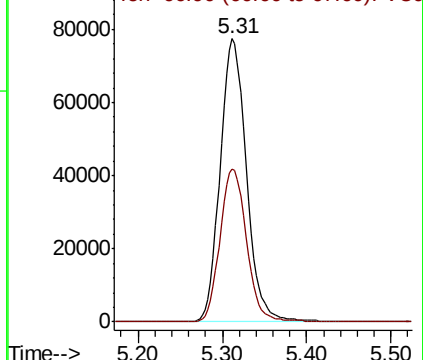
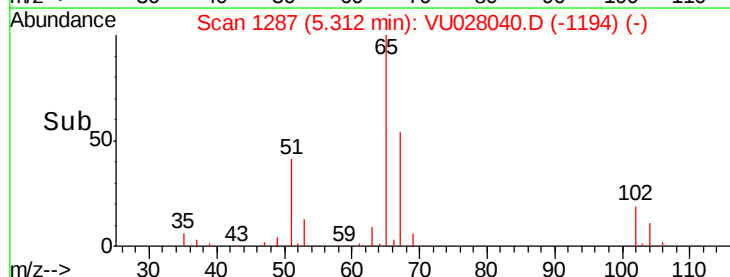
65 100

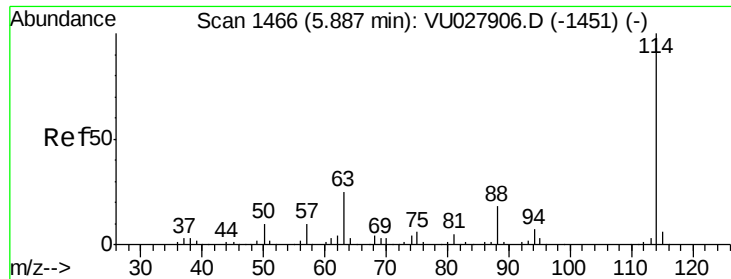
67 54.4 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU028040.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU028040.D (-1194) (-)

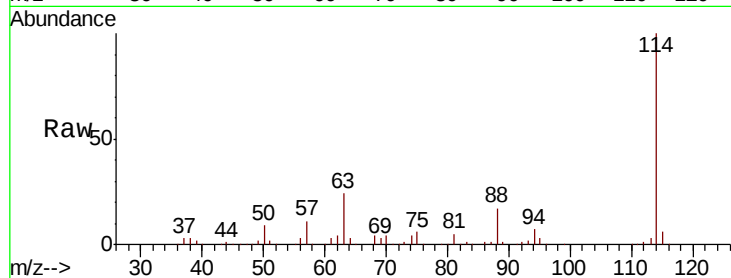




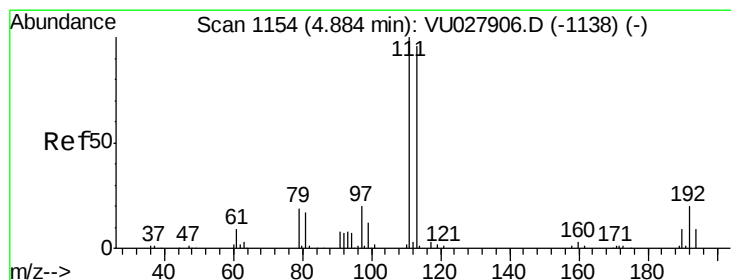
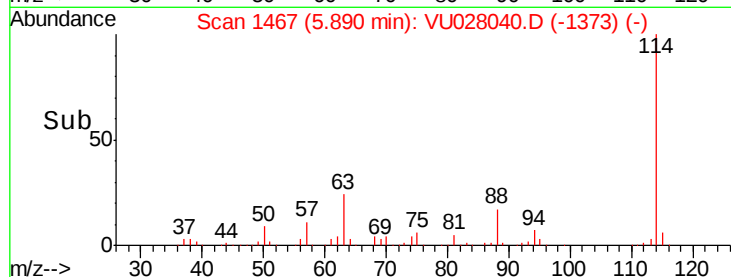
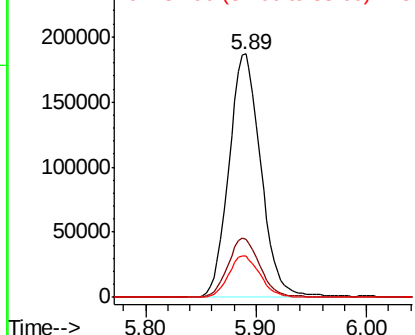
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU028040.D
 Acq: 09 Nov 2018 13:27

Instrument :
 MSVOA_U
 ClientSampleId :
 FB11818

Tot Ion:114 Resp: 375347
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 50.8
 88 16.9 0.0 35.8

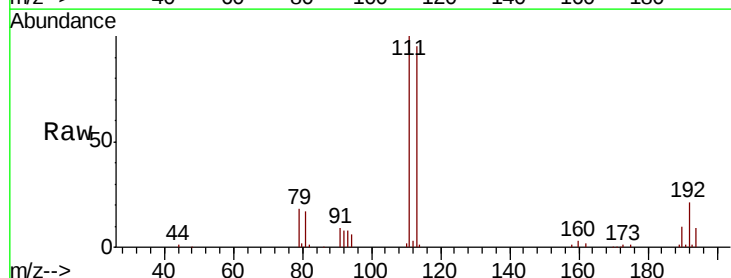


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

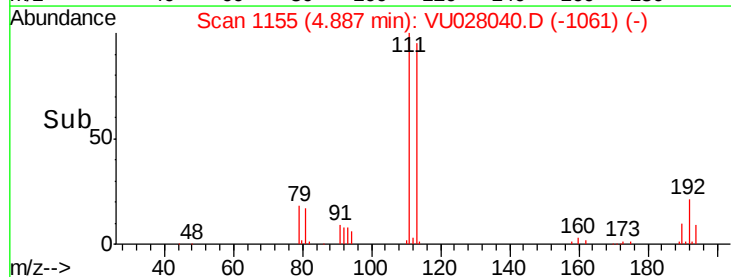
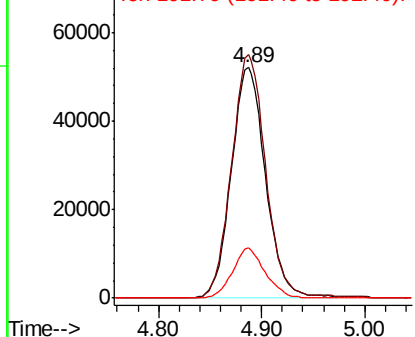


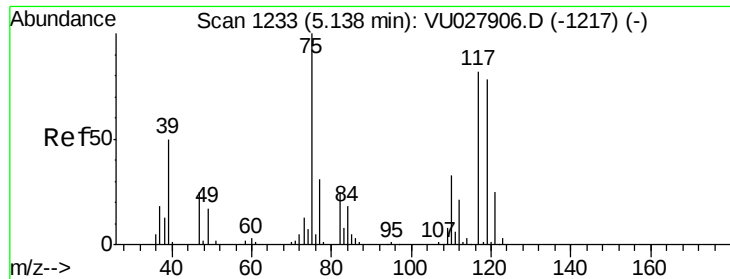
#35
 Dibromofluoromethane
 Concen: 50.980 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU028040.D
 Acq: 09 Nov 2018 13:27

Tgt Ion:113 Resp: 120650
 Ion Ratio Lower Upper
 113 100
 111 104.7 83.0 124.6
 192 20.6 15.6 23.4



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: 4.495 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

Instrument :

MSVOA_U

ClientSampled :

FB11818

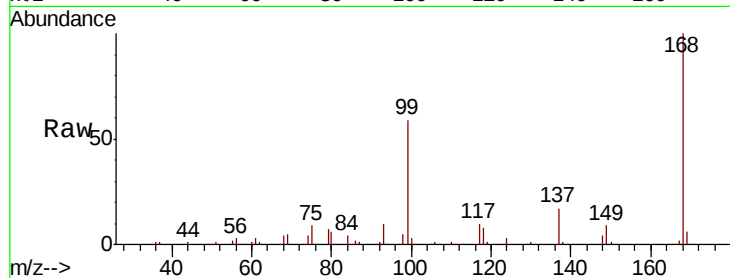
Tot Ion: 75 Resp: 17672

Ion Ratio Lower Upper

75 100

110 7.4 16.5 49.5#

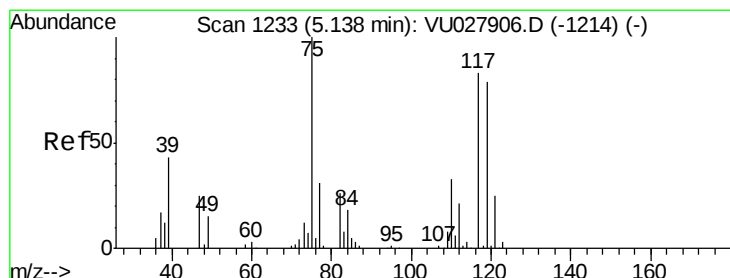
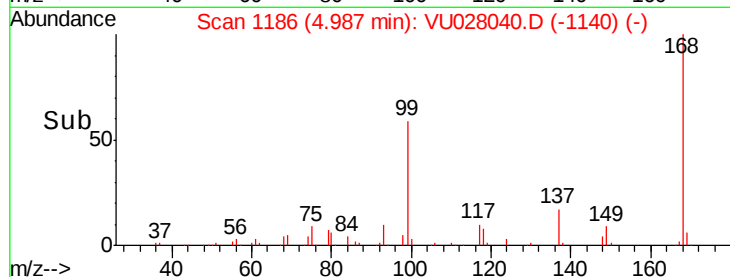
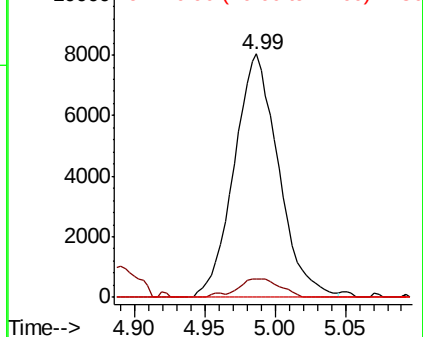
77 0.0 24.9 37.3#



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: 5.549 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

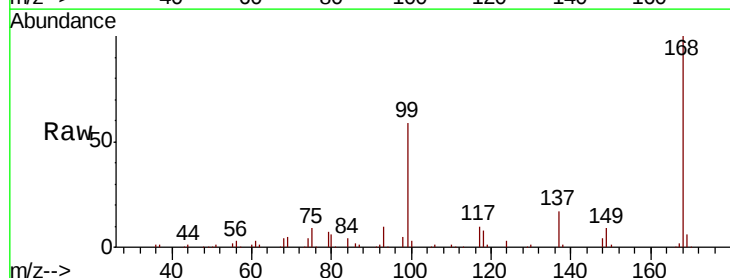
Tgt Ion: 117 Resp: 19330

Ion Ratio Lower Upper

117 100

119 5.0 76.0 114.0#

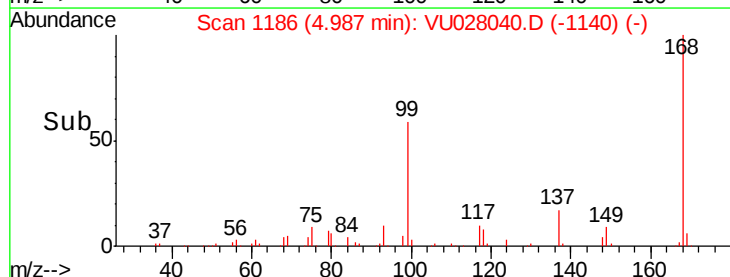
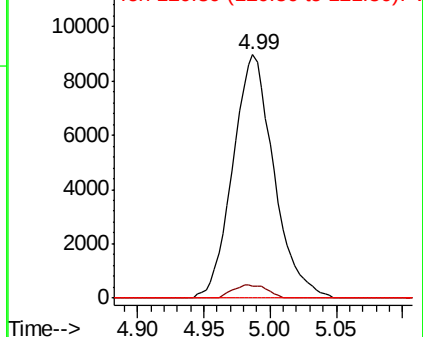
121 0.0 24.5 36.7#

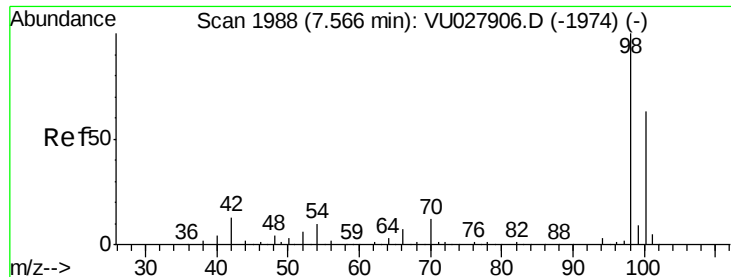


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 53.322 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

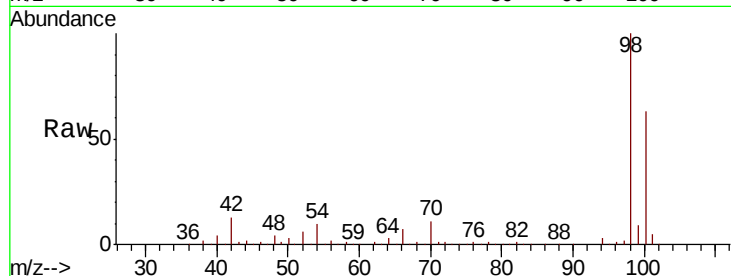
FB11818

Tot Ion: 98 Resp: 487475

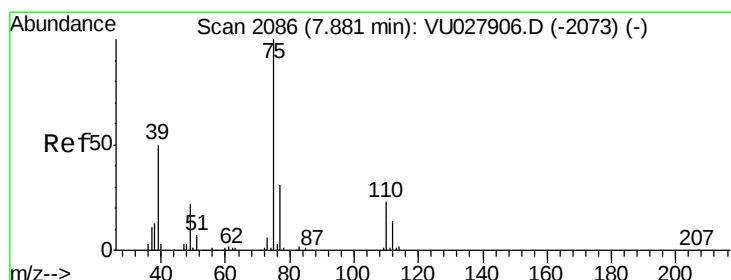
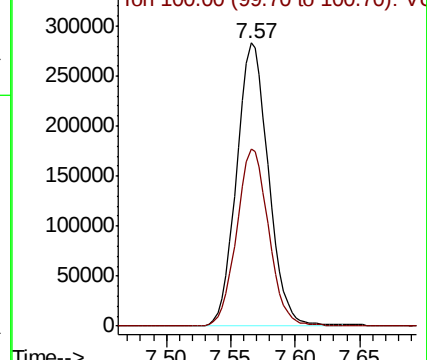
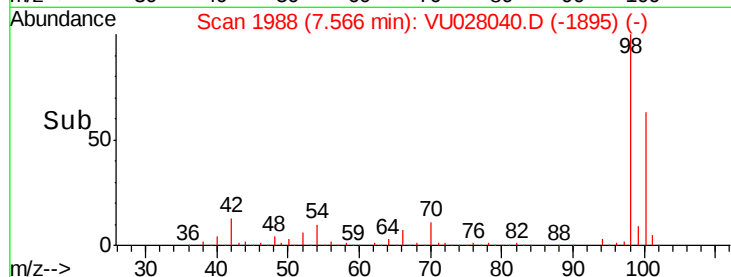
Ion Ratio Lower Upper

98 100

100 62.8 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU028040.D (-1992) (-)



#53

t-1,3-Dichloropropene

Concen: 1.122 ug/l

RT: 7.89 min Scan# 2090

Delta R.T. 0.01 min

Lab File: VU028040.D

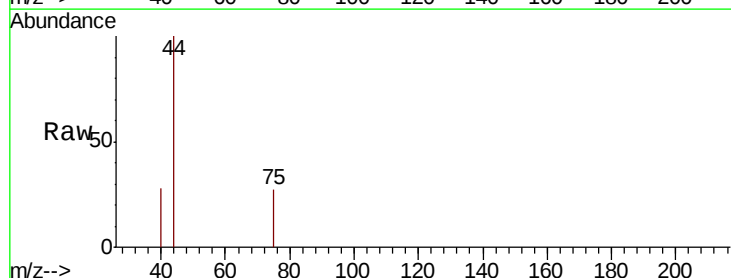
Acq: 09 Nov 2018 13:27

Tgt Ion: 75 Resp: 21

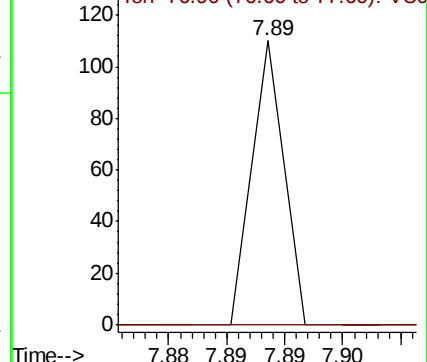
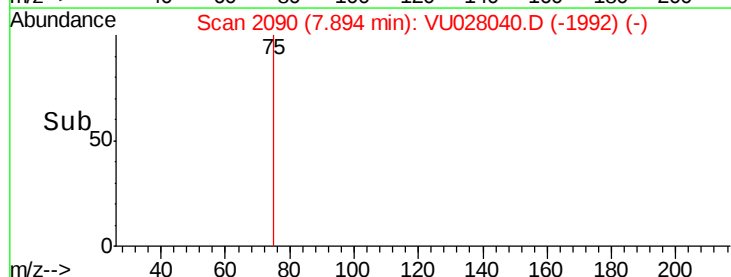
Ion Ratio Lower Upper

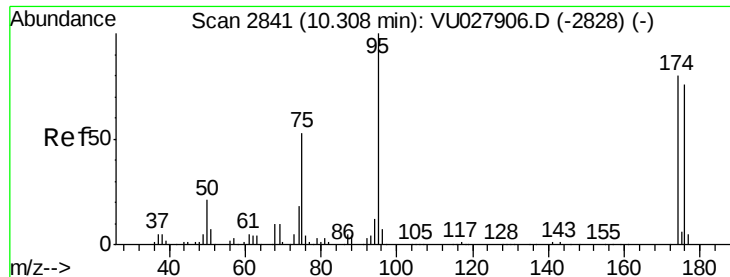
75 100

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028040.D (-1992) (-)





#62

4-Bromofluorobenzene

Concen: 46.648 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

FB11818

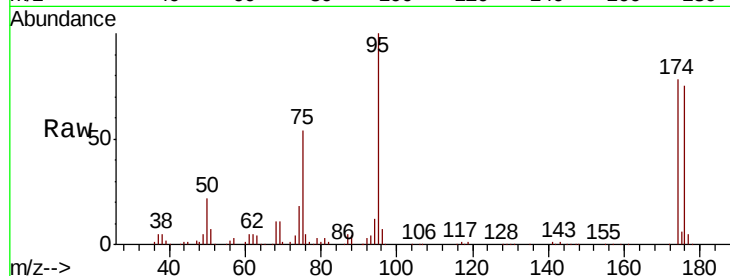
Tot Ion: 95 Resp: 157296

Ion Ratio Lower Upper

95 100

174 77.0 0.0 156.4

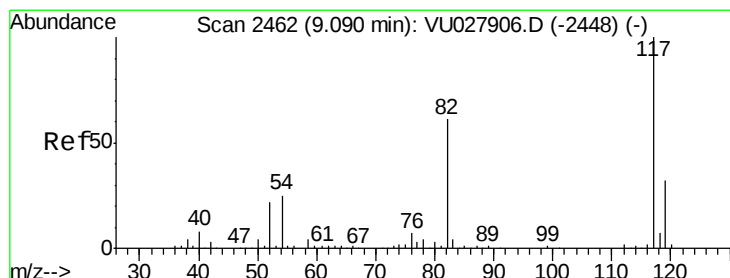
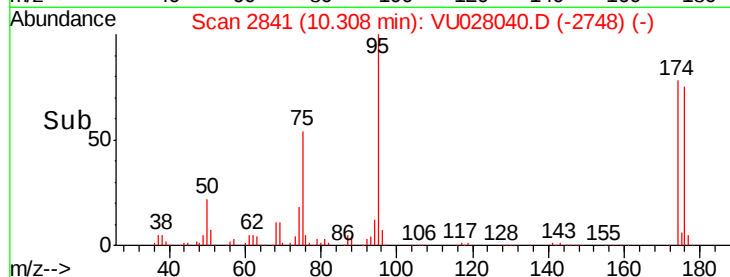
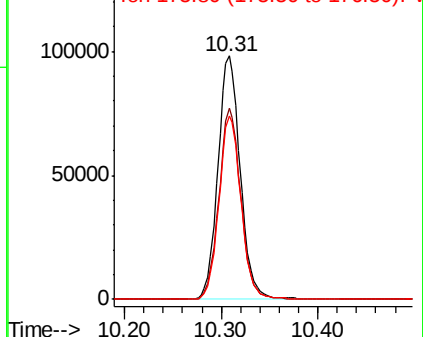
176 74.3 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU028040.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU028040.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU028040.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

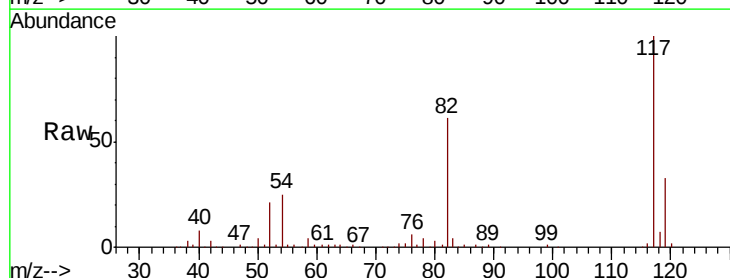
Tgt Ion: 117 Resp: 334259

Ion Ratio Lower Upper

117 100

82 61.0 48.6 73.0

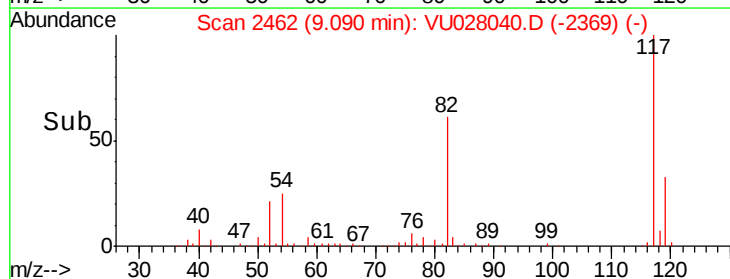
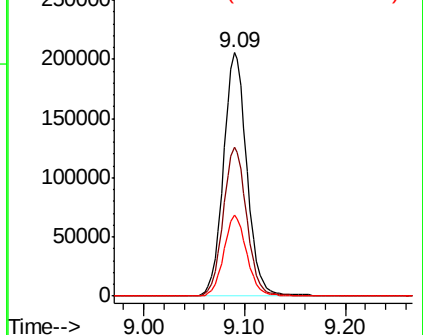
119 33.1 25.8 38.8

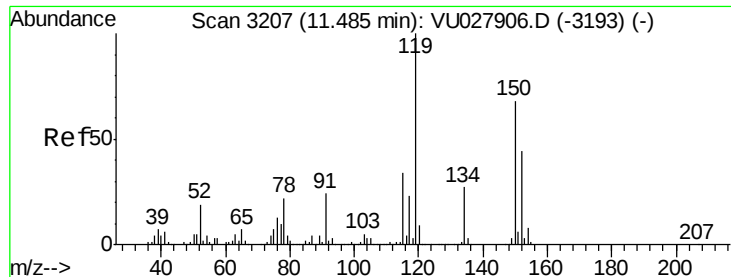


Abundance Ion 116.90 (116.60 to 117.60): VU028040.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028040.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028040.D (-2369) (-)



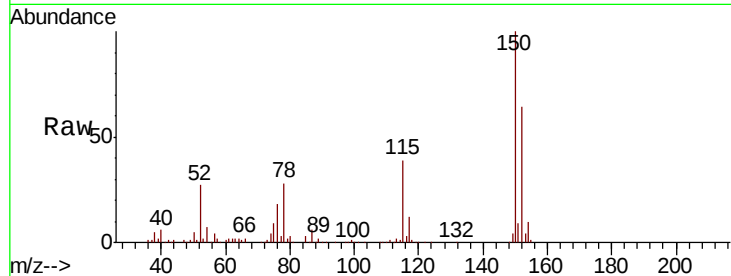


#72

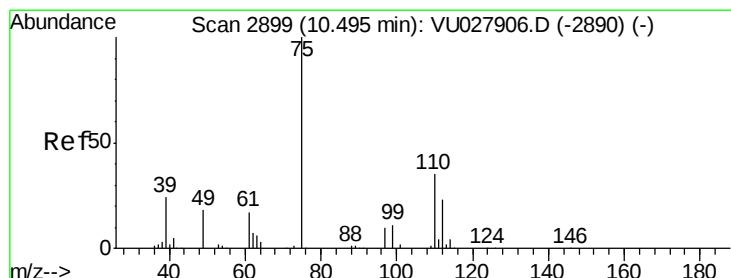
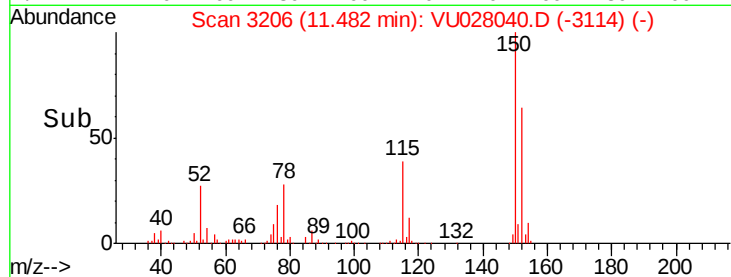
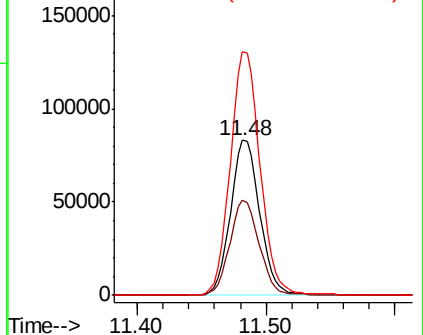
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028040.D
Acq: 09 Nov 2018 13:27

Instrument :
MSVOA_U
ClientSampleId :
FB11818

Tot Ion:152 Resp: 131430
Ion Ratio Lower Upper
152 100
115 61.4 43.0 129.0
150 159.5 0.0 349.4



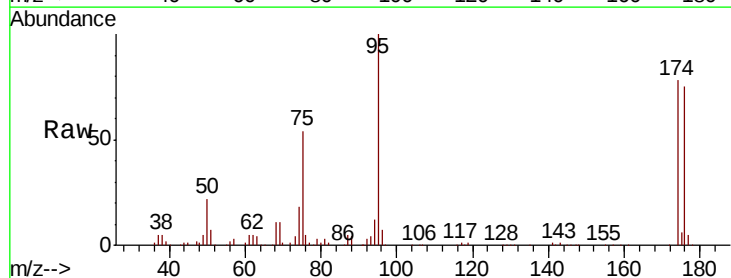
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



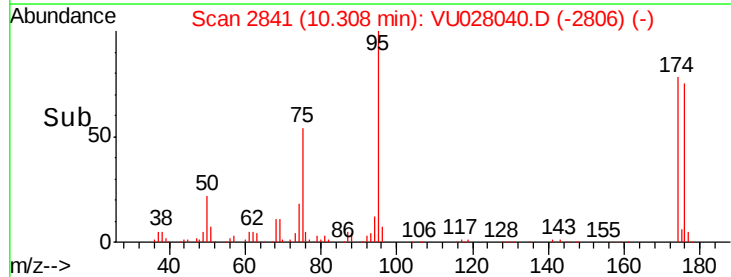
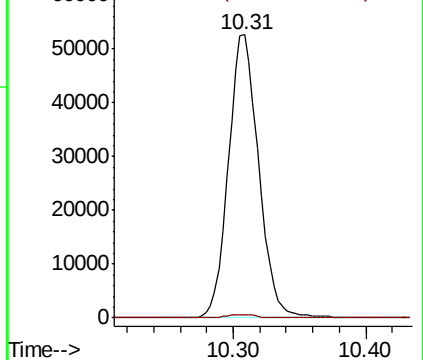
#76

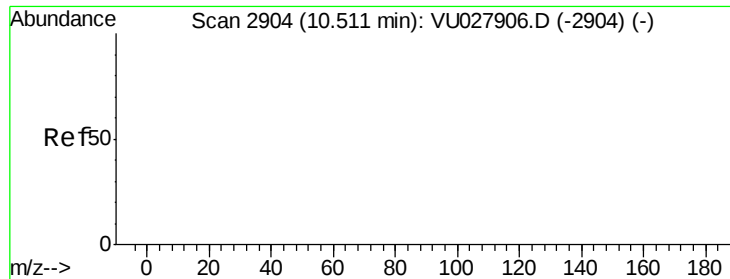
1,2,3-Trichloropropane
Concen: 23.215 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU028040.D
Acq: 09 Nov 2018 13:27

Tgt Ion: 75 Resp: 83458
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.6#



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: 57.921 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

FB11818

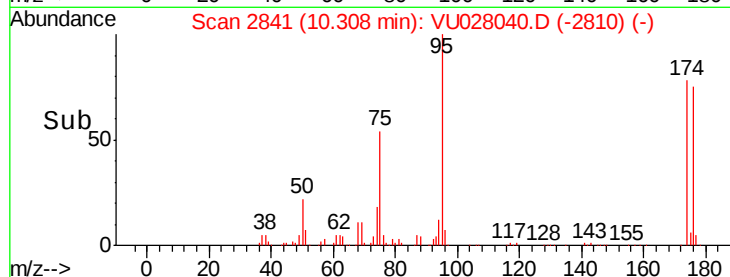
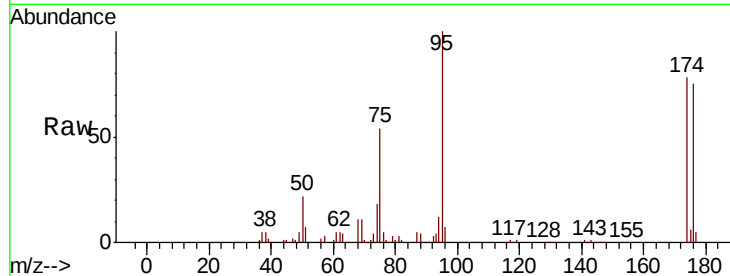
Tot Ion: 75 Resp: 83458

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

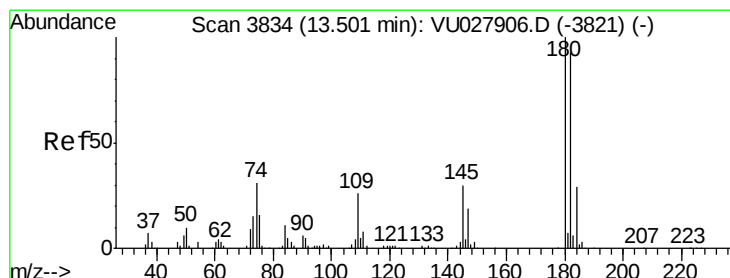
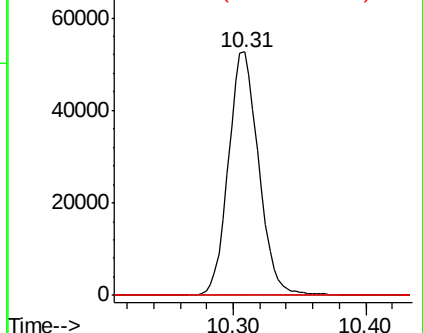
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#93

1,2,4-Trichlorobenzene

Concen: 0.720 ug/l

RT: 13.54 min Scan# 3847

Delta R.T. 0.04 min

Lab File: VU028040.D

Acq: 09 Nov 2018 13:27

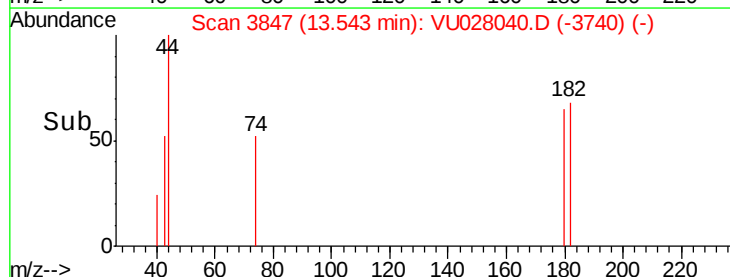
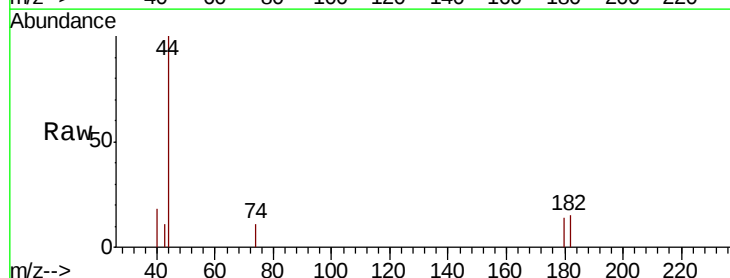
Tgt Ion:180 Resp: 111

Ion Ratio Lower Upper

180 100

182 227.9 48.4 145.2#

145 0.0 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

