

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
 Data File : VU029356.D
 Acq On : 06 Feb 2019 10:43
 Operator : JC/SP
 Sample : VU0206WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK51

Quant Time: Feb 08 12:08:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

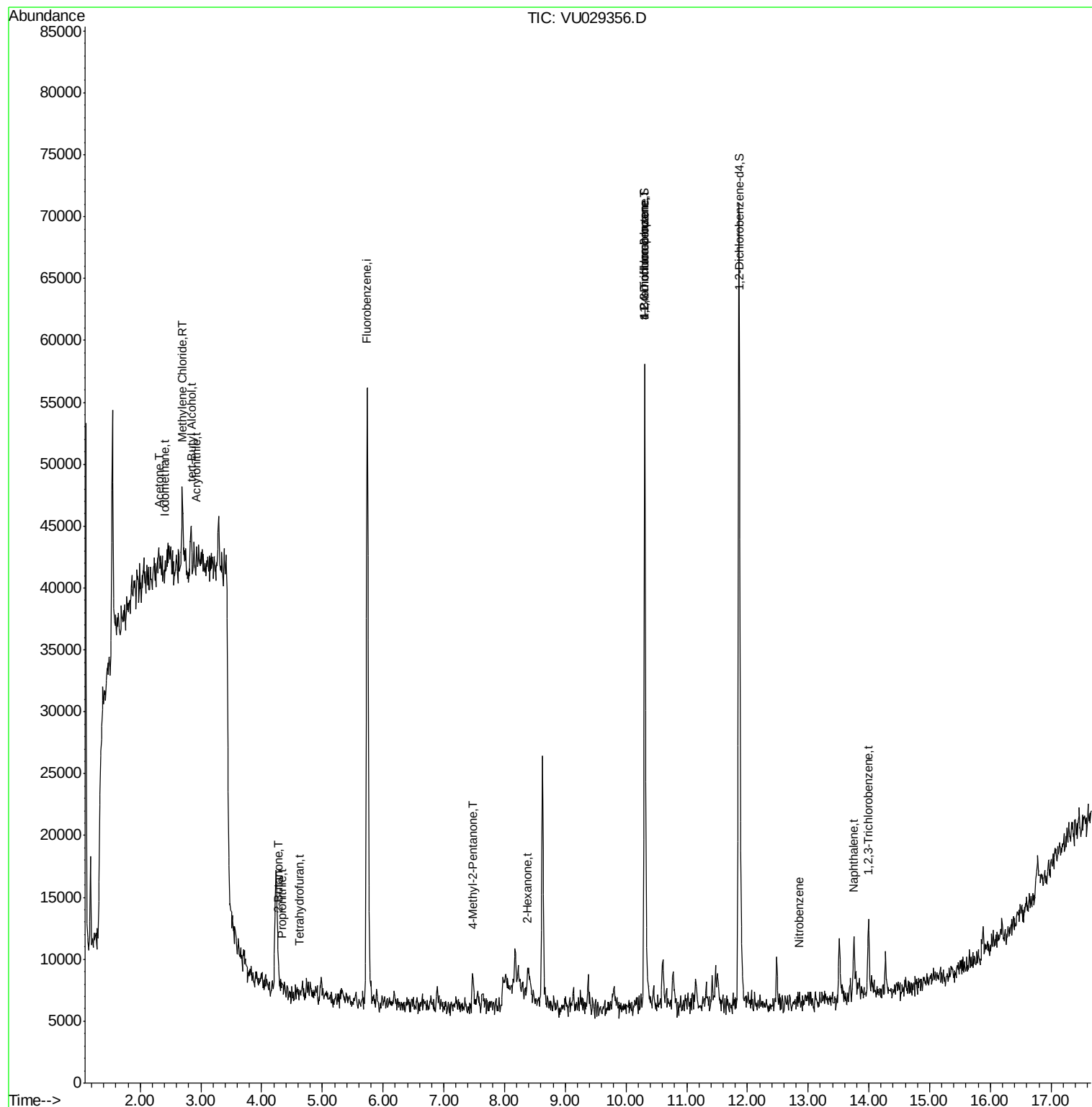
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	51845	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19720	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	19353	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
Target Compounds						Qvalue
10) Iodomethane	2.41	142	551	0.324	ug/l	87
12) Acrylonitrile	2.93	53	352	0.105	ug/l #	28
13) Acetone	2.32	43	1267	0.392	ug/l	96
15) Methylene Chloride	2.69	84	2627	0.145	ug/l #	79
18) 2-Butanone	4.28	43	480	0.133	ug/l	78
24) tert-Butyl Alcohol	2.84	59	2383	1.909	ug/l #	85
34) Propionitrile	4.34	54	107	0.113	ug/l #	1
41) Tetrahydrofuran	4.64	42	341	0.139	ug/l #	46
45) 4-Methyl-2-Pentanone	7.48	43	1334	0.143	ug/l #	42
46) t-1,4-Dichloro-2-butene	10.31	75	9102	2.005	ug/l #	15
54) 2-Hexanone	8.39	43	1706	0.261	ug/l #	59
71) 1,2,3-Trichloropropane	10.31	75	9102	0.982	ug/l #	51
80) Nitrobenzene	12.86	77	201	0.334	ug/l #	43
89) Naphthalene	13.76	128	5990	0.153	ug/l	97
90) 1,2,3-Trichlorobenzene	13.99	180	2326	0.110	ug/l #	88
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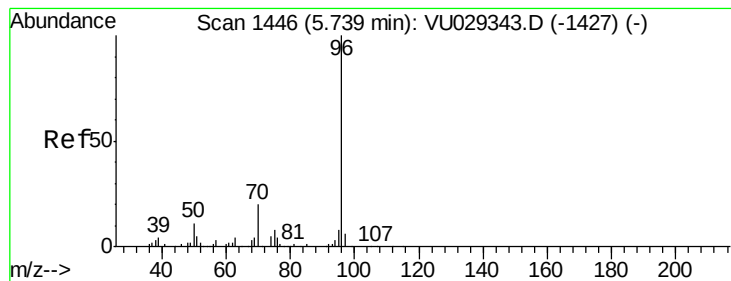
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
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QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029356.D

Acq: 06 Feb 2019 10:43

Instrument :

MSVOA_U

ClientSampleId :

VBLK51

Tgt Ion: 96 Resp: 51845

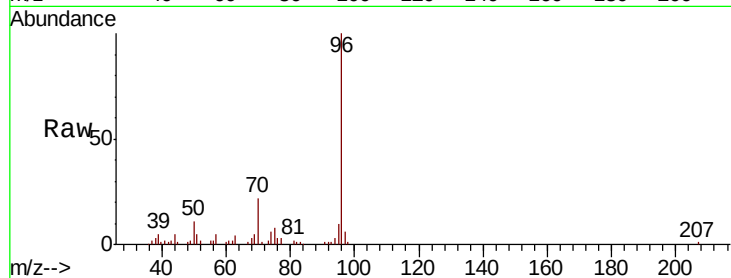
Ion Ratio Lower Upper

96 100

70 18.8 16.2 24.2

95 9.1 7.4 11.2

97 3.2 0.0 0.0#

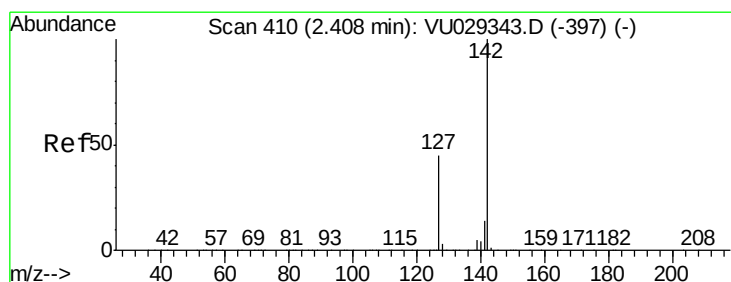
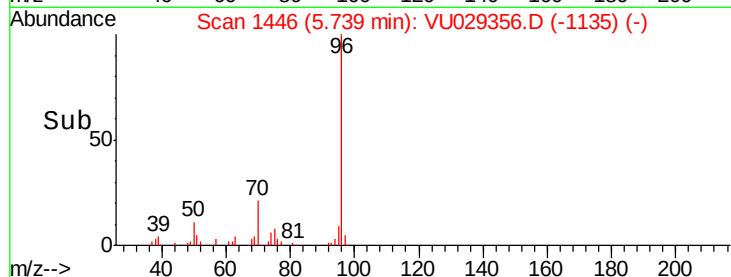
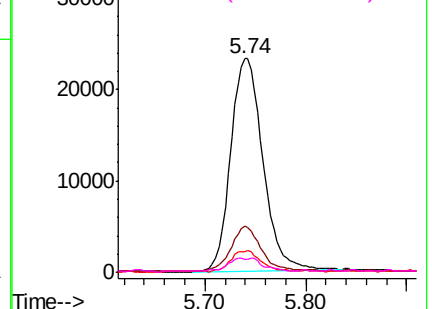


Abundance Ion 96.00 (95.70 to 96.70): VU029343.D (-1427) (-)

Ion 70.00 (69.70 to 70.70): VU029343.D (-1427) (-)

Ion 95.00 (94.70 to 95.70): VU029343.D (-1427) (-)

Ion 97.00 (96.70 to 97.70): VU029343.D (-1427) (-)



#10

Iodomethane

Concen: 0.324 ug/l

RT: 2.41 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU029356.D

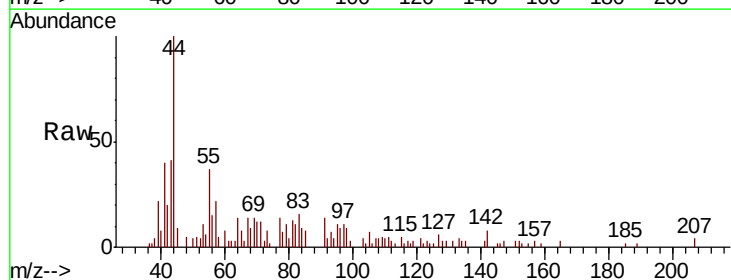
Acq: 06 Feb 2019 10:43

Tgt Ion: 142 Resp: 551

Ion Ratio Lower Upper

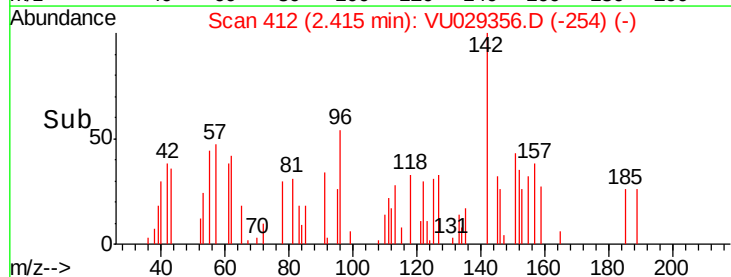
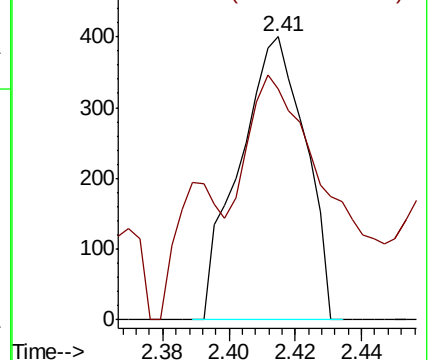
142 100

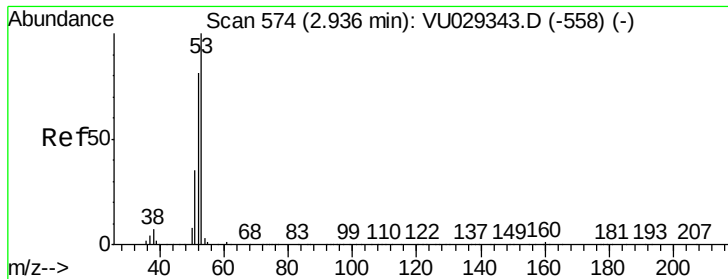
127 69.1 47.6 71.4



Abundance Ion 142.00 (141.70 to 142.70): VU029343.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU029343.D (-397) (-)





#12

Acrylonitrile

Concen: 0.105 ug/l

RT: 2.93 min Scan# 572

Delta R.T. -0.01 min

Lab File: VU029356.D

Acq: 06 Feb 2019 10:43

Instrument :

MSVOA_U

ClientSampleId :

VBLK51

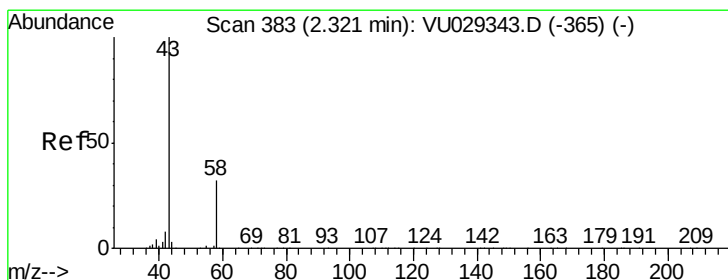
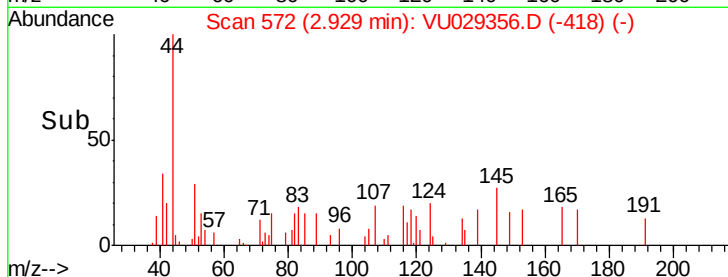
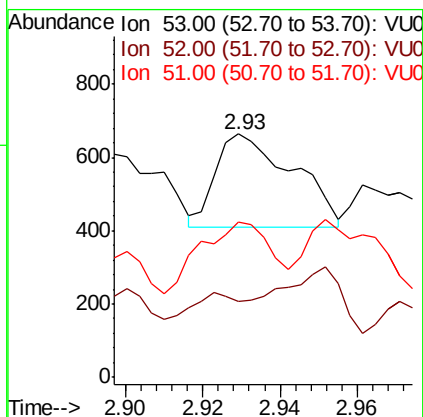
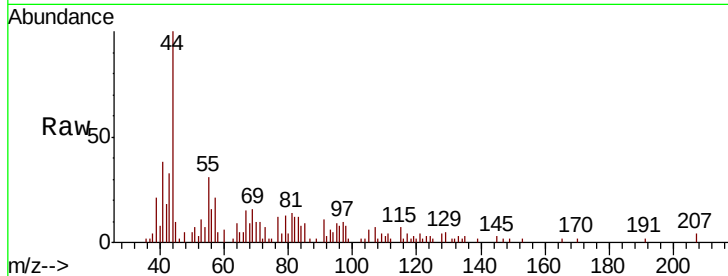
Tgt Ion: 53 Resp: 352

Ion Ratio Lower Upper

53 100

52 11.4 67.6 101.4#

51 71.0 31.0 46.4#



#13

Acetone

Concen: 0.392 ug/l

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029356.D

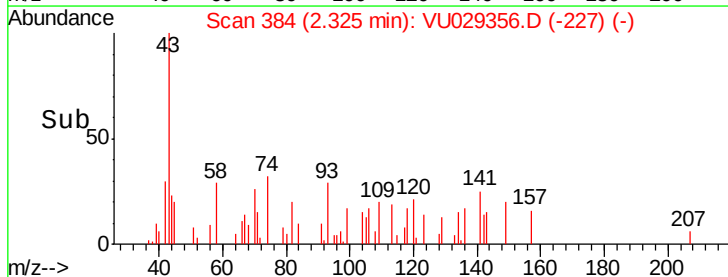
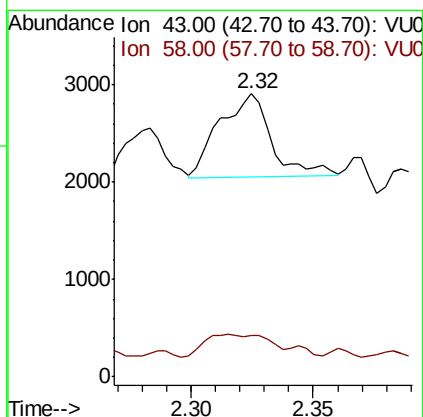
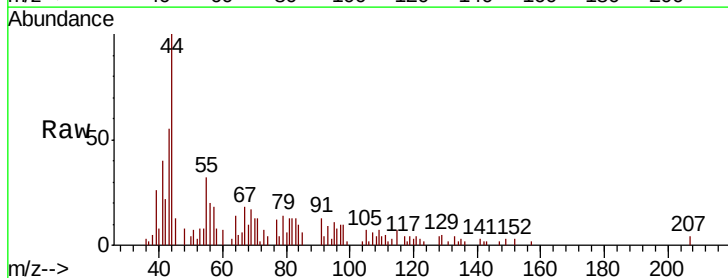
Acq: 06 Feb 2019 10:43

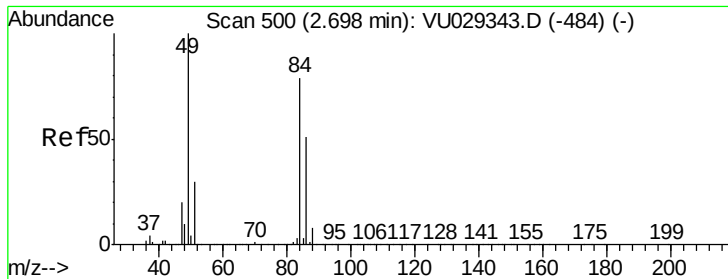
Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

43 100

58 25.8 19.2 28.8

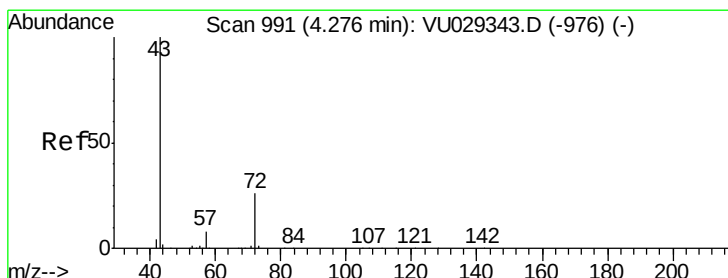
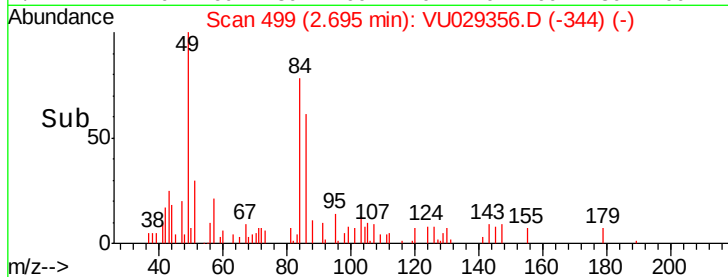
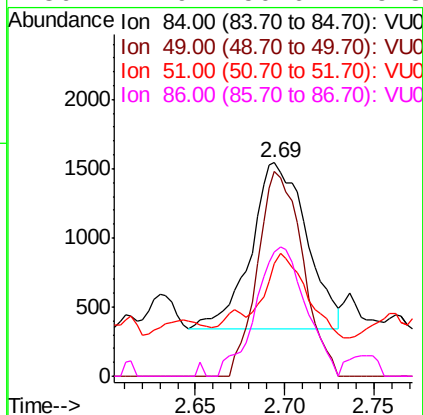
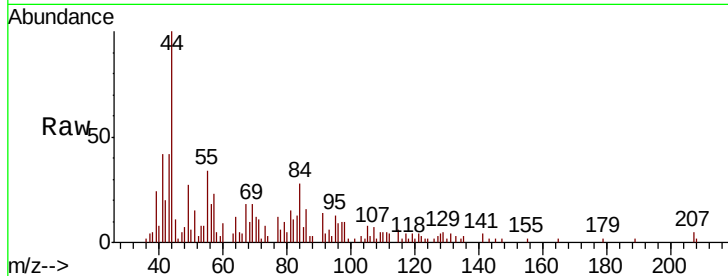




#15
Methylene Chloride
Concen: 0.145 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029356.D
Acq: 06 Feb 2019 10:43

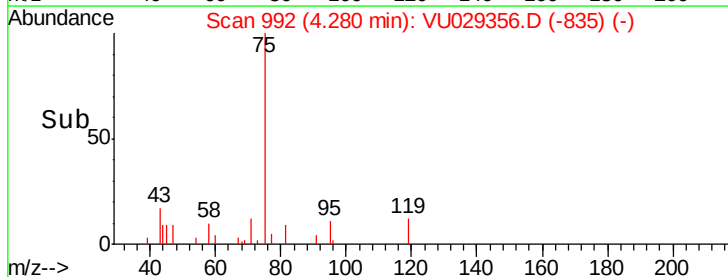
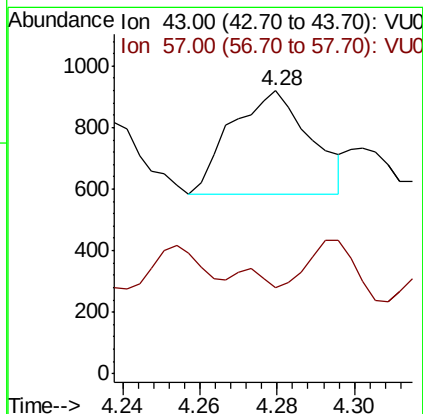
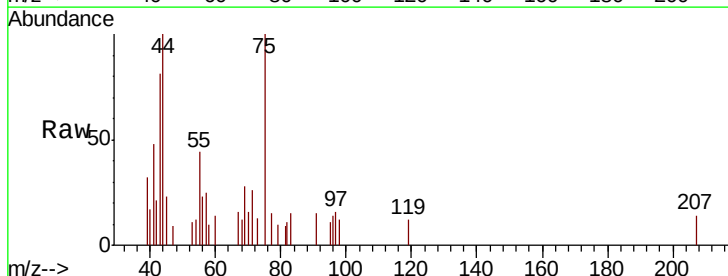
Instrument :
MSVOA_U
ClientSampleId :
VBLK51

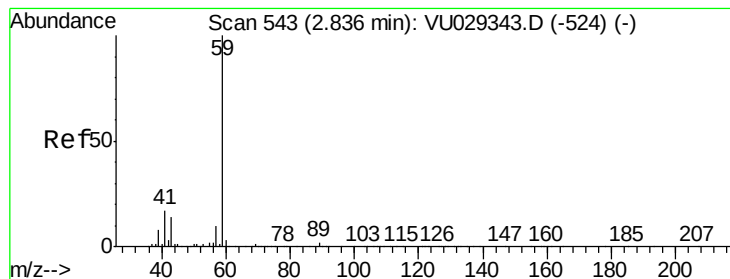
Tgt Ion: 84 Resp: 2627
Ion Ratio Lower Upper
84 100
49 123.2 127.0 190.6#
51 42.6 0.0 93.4
86 74.9 50.6 75.8



#18
2-Butanone
Concen: 0.133 ug/l
RT: 4.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VU029356.D
Acq: 06 Feb 2019 10:43

Tgt Ion: 43 Resp: 480
Ion Ratio Lower Upper
43 100
57 0.0 0.0 15.8





#24

tert-Butyl Alcohol

Concen: 1.909 ug/l

RT: 2.84 min Scan# 545

Delta R.T. 0.01 min

Lab File: VU029356.D

Acq: 06 Feb 2019 10:43

Instrument :

MSVOA_U

ClientSampleId :

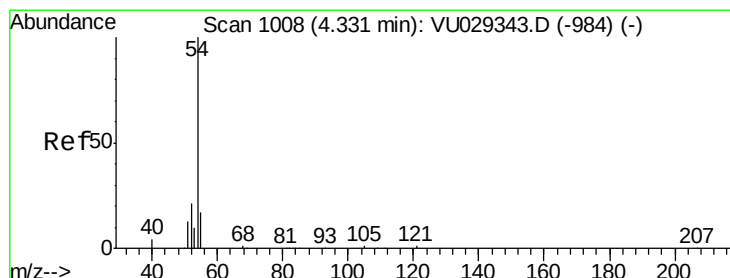
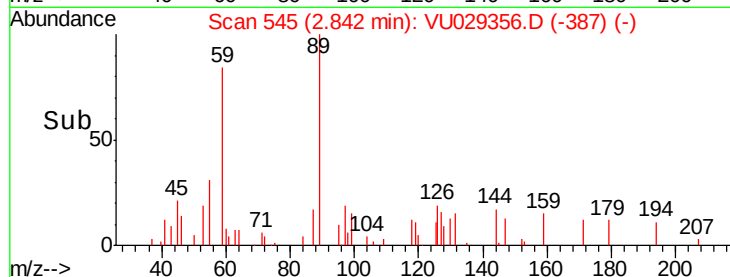
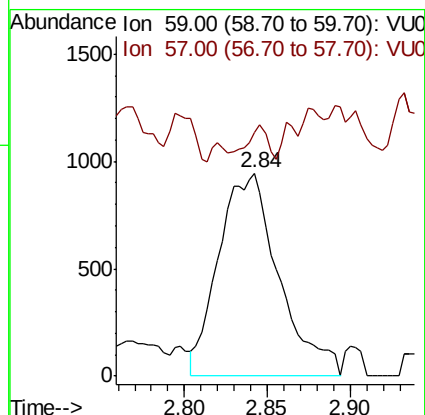
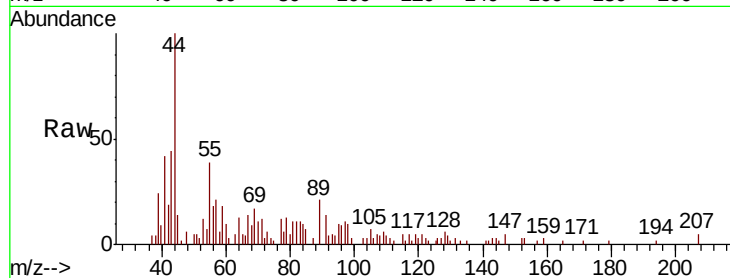
VBLK51

Tgt Ion: 59 Resp: 2383

Ion Ratio Lower Upper

59 100

57 5.2 8.8 13.2#



#34

Propionitrile

Concen: 0.113 ug/l

RT: 4.34 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VU029356.D

Acq: 06 Feb 2019 10:43

Tgt Ion: 54 Resp: 107

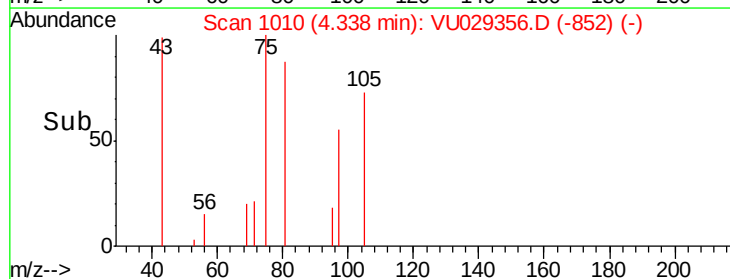
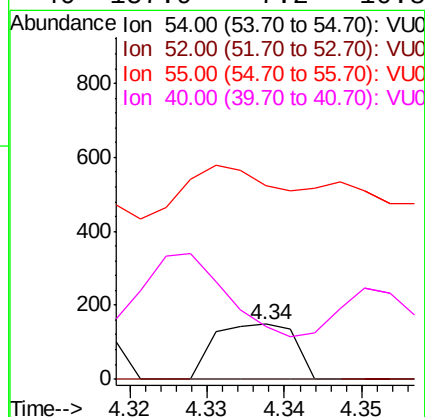
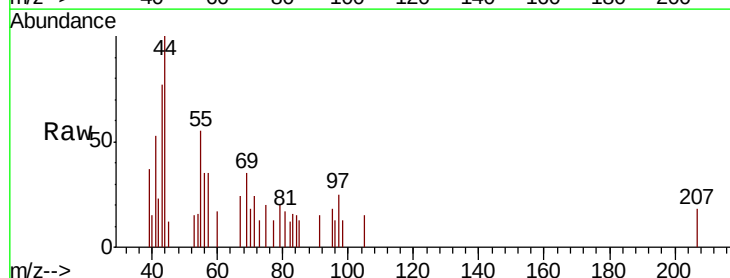
Ion Ratio Lower Upper

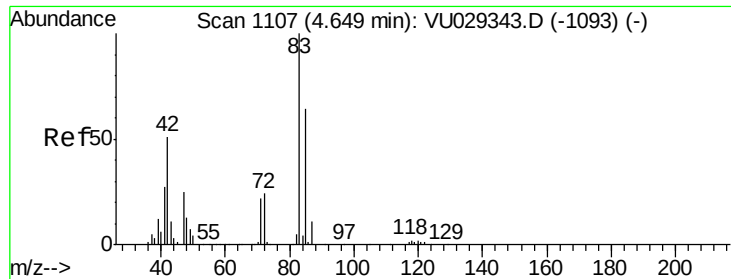
54 100

52 0.0 18.9 28.3#

55 101.9 15.1 22.7#

40 157.9 7.2 10.8#





#41

Tetrahydrofuran

Concen: 0.139 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VU029356.D

Acq: 06 Feb 2019 10:43

Instrument :

MSVOA_U

ClientSampleId :

VBLK51

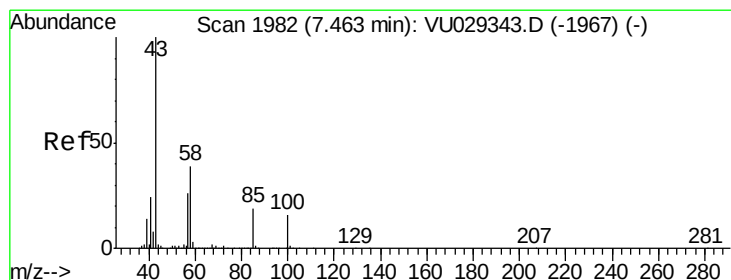
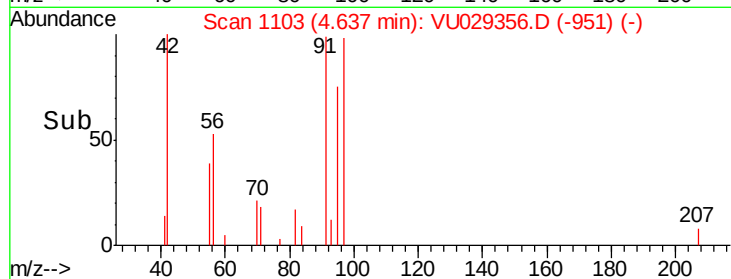
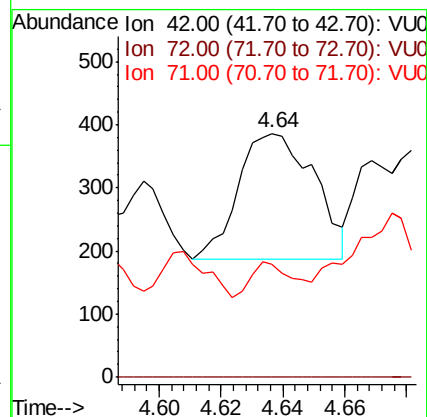
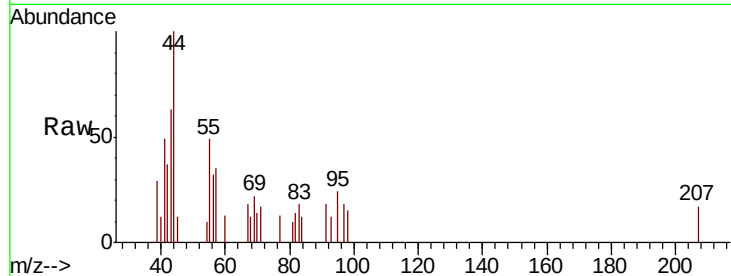
Tgt Ion: 42 Resp: 341

Ion Ratio Lower Upper

42 100

72 0.0 33.1 49.7#

71 13.2 30.2 45.2#



#45

4-Methyl-2-Pentanone

Concen: 0.143 ug/l

RT: 7.48 min Scan# 1987

Delta R.T. 0.02 min

Lab File: VU029356.D

Acq: 06 Feb 2019 10:43

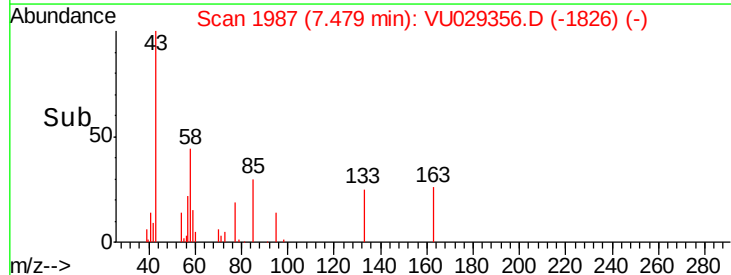
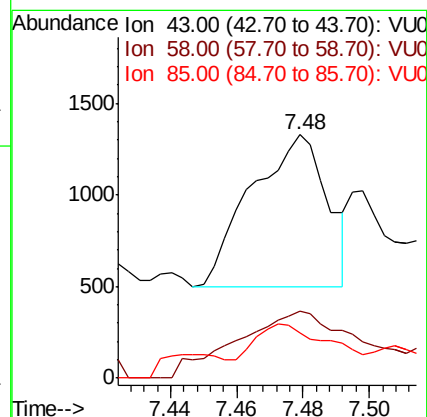
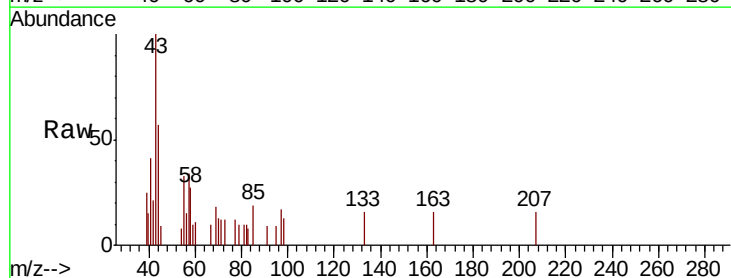
Tgt Ion: 43 Resp: 1334

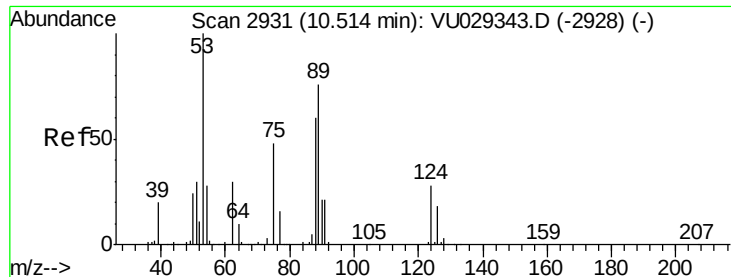
Ion Ratio Lower Upper

43 100

58 70.3 17.6 52.8#

85 37.4 12.3 18.5#

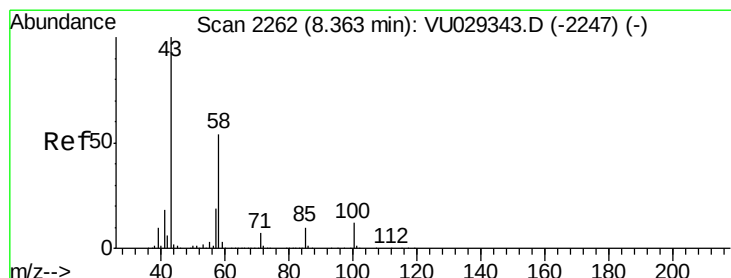
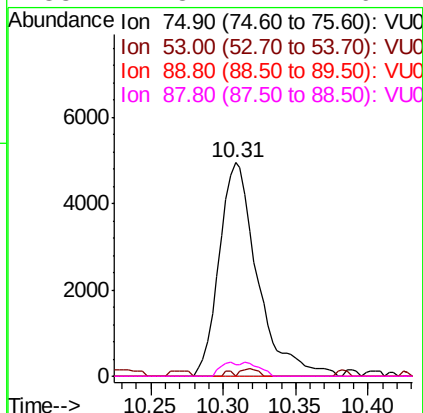
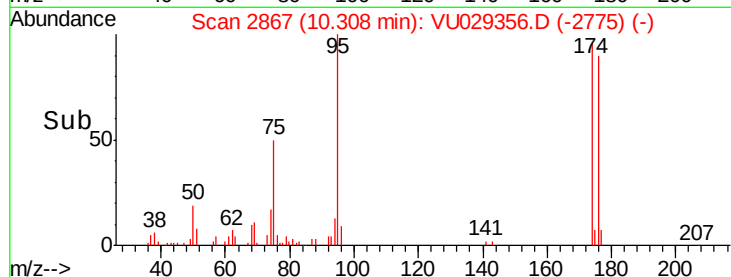
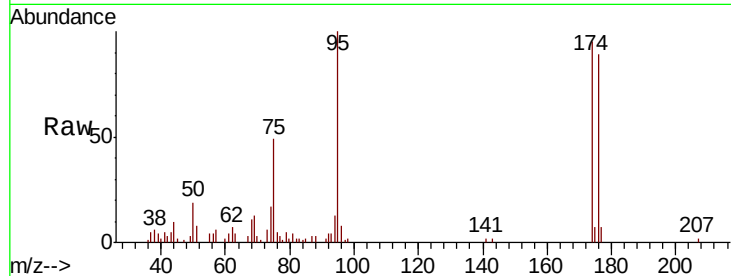




#46
t-1,4-Dichloro-2-butene
Concen: 2.005 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. -0.21 min
Lab File: VU029356.D
Acq: 06 Feb 2019 10:43

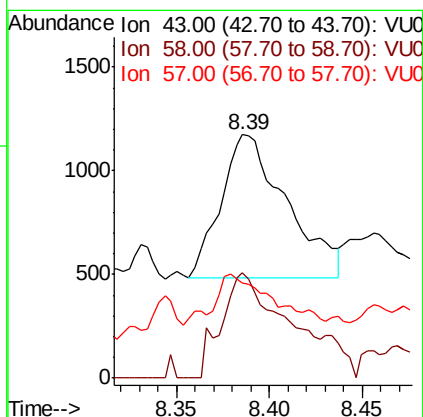
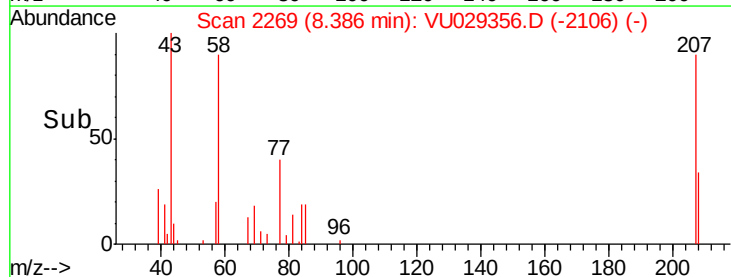
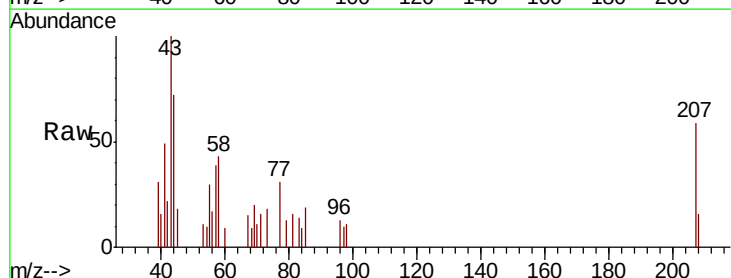
Instrument :
MSVOA_U
ClientSampleId :
VBLK51

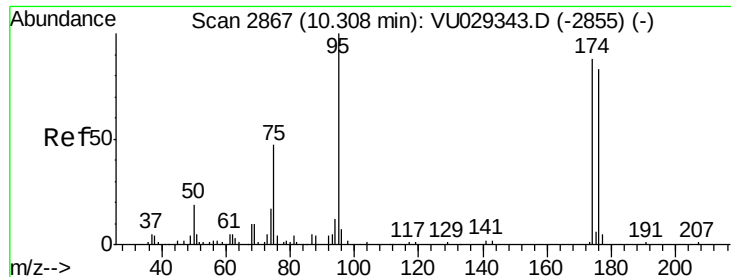
Tgt Ion: 75 Resp: 9102
Ion Ratio Lower Upper
75 100
53 0.5 78.2 117.4#
89 0.0 44.2 66.4#
88 2.8 41.4 62.2#



#54
2-Hexanone
Concen: 0.261 ug/l
RT: 8.39 min Scan# 2269
Delta R.T. 0.02 min
Lab File: VU029356.D
Acq: 06 Feb 2019 10:43

Tgt Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
58 69.8 26.0 66.0#
57 41.0 0.0 37.7#





#57

4-Bromofluorobenzene

Concen: Below ug/l

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VU029356.D

Acq: 06 Feb 2019 10:43

Instrument :

MSVOA_U

ClientSampleId :

VBLK51

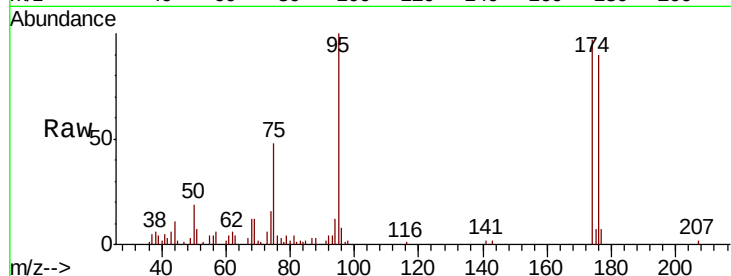
Tgt Ion: 95 Resp: 19720

Ion Ratio Lower Upper

95 100

174 87.7 64.2 96.2

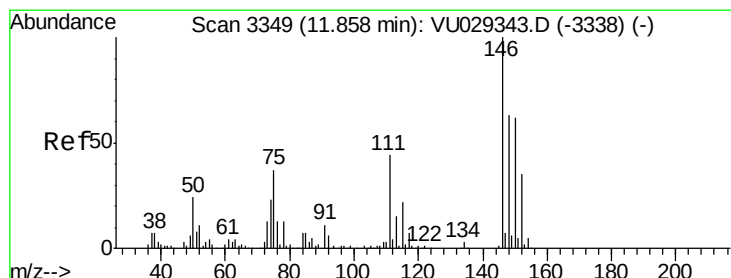
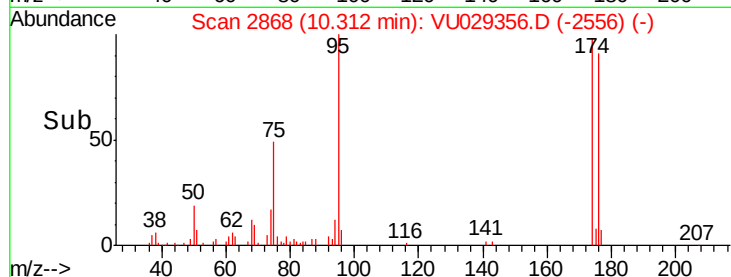
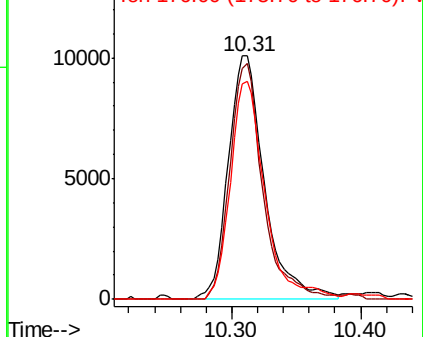
176 85.6 62.3 93.5



Abundance Ion 95.00 (94.70 to 95.70): VU029343.D (-2855) (-)

Ion 174.00 (173.70 to 174.70): VU029343.D (-2855) (-)

Ion 176.00 (175.70 to 176.70): VU029343.D (-2855) (-)



#68

1,2-Dichlorobenzene-d4

Concen: N.D. ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU029356.D

Acq: 06 Feb 2019 10:43

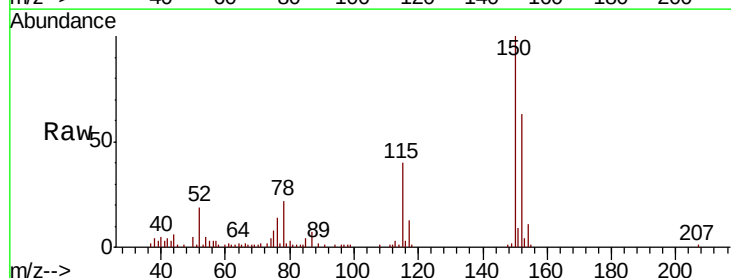
Tgt Ion: 152 Resp: 19353

Ion Ratio Lower Upper

152 100

115 63.4 0.0 133.4

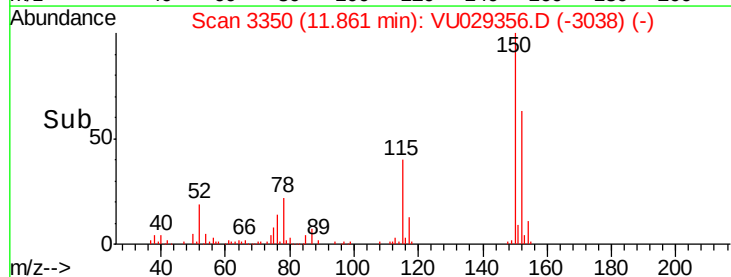
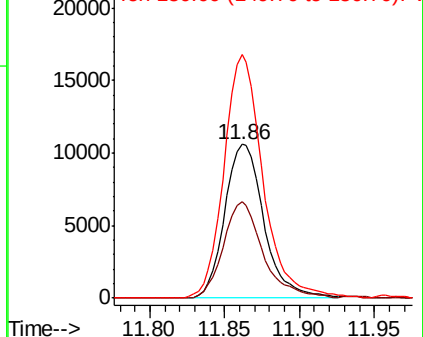
150 157.5 0.0 670.8

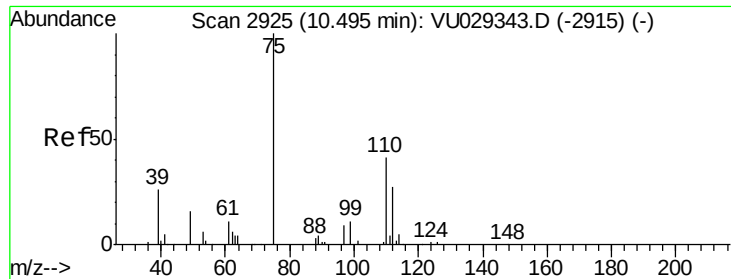


Abundance Ion 152.00 (151.70 to 152.70): VU029343.D (-3338) (-)

Ion 115.00 (114.70 to 115.70): VU029343.D (-3338) (-)

Ion 150.00 (149.70 to 150.70): VU029343.D (-3338) (-)

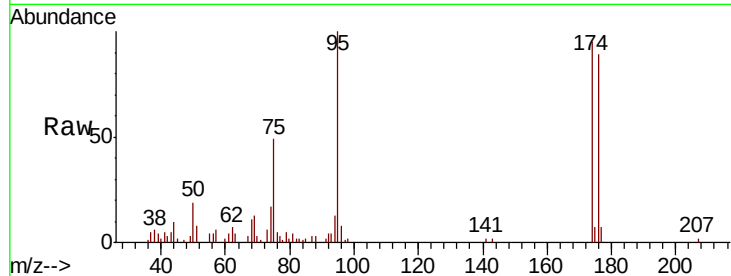




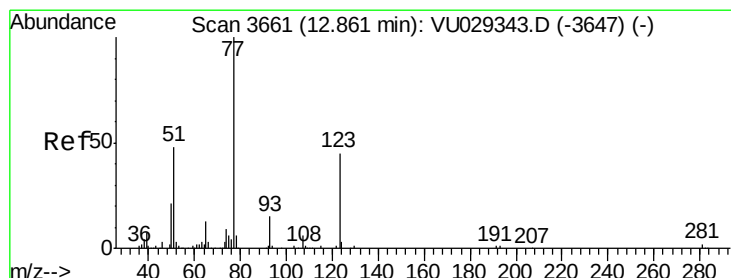
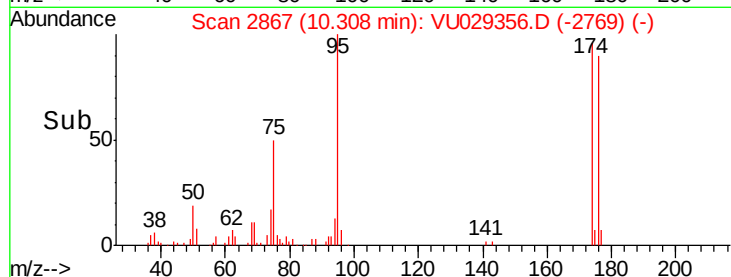
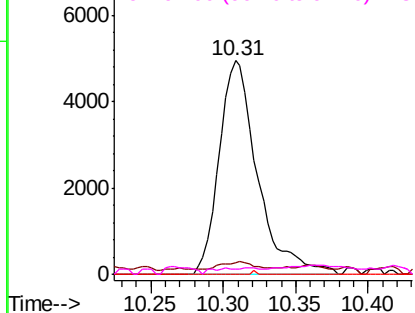
#71
 1,2,3-Trichloropropane
 Concen: 0.982 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. -0.19 min
 Lab File: VU029356.D
 Acq: 06 Feb 2019 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK51

Tgt Ion:	75	Resp:	9102
Ion	Ratio	Lower	Upper
75	100		
77	2.7	0.0	0.0#
110	0.2	0.0	63.6
97	1.8	0.0	31.4

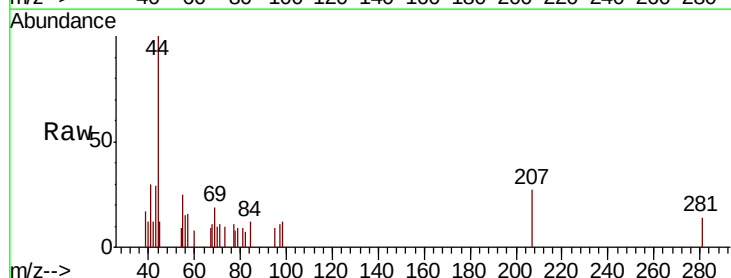


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

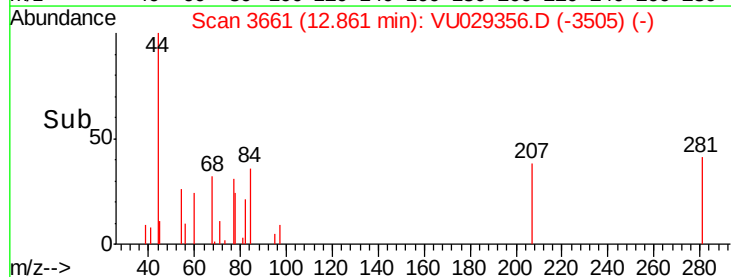
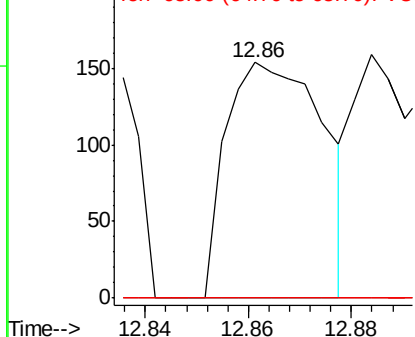


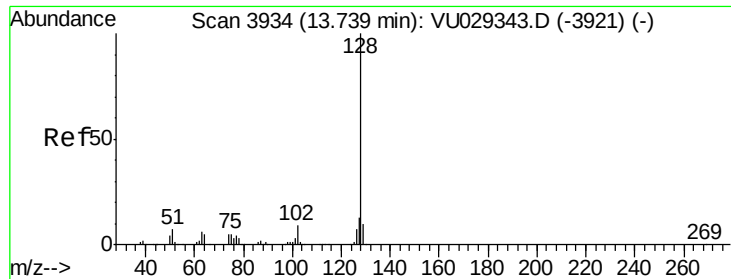
#80
 Nitrobenzene
 Concen: 0.334 ug/l
 RT: 12.86 min Scan# 3661
 Delta R.T. 0.00 min
 Lab File: VU029356.D
 Acq: 06 Feb 2019 10:43

Tgt Ion:	77	Resp:	201
Ion	Ratio	Lower	Upper
77	100		
123	0.0	17.5	61.9#
65	0.0	10.8	13.8#



Abundance Ion 77.00 (76.70 to 77.70): VU0
 Ion 123.00 (122.70 to 123.70): V
 Ion 65.00 (64.70 to 65.70): VU0

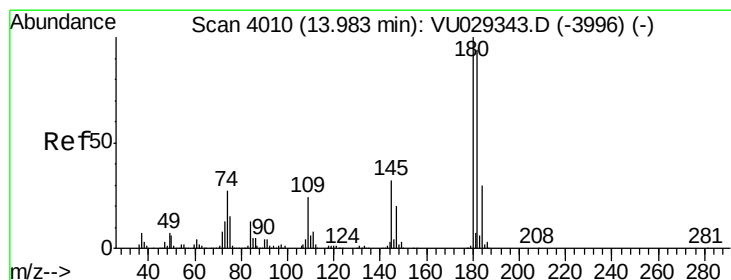
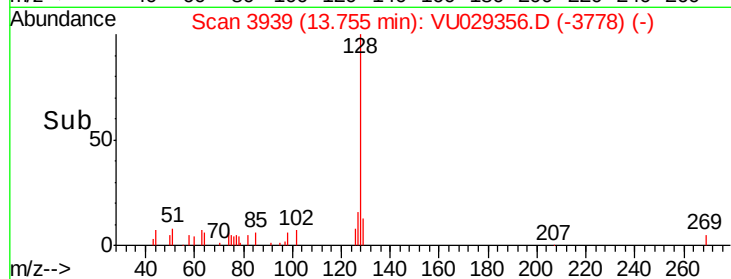
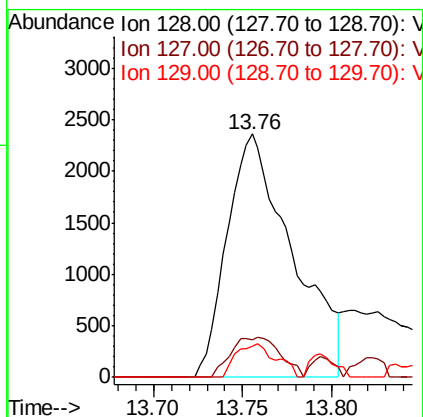
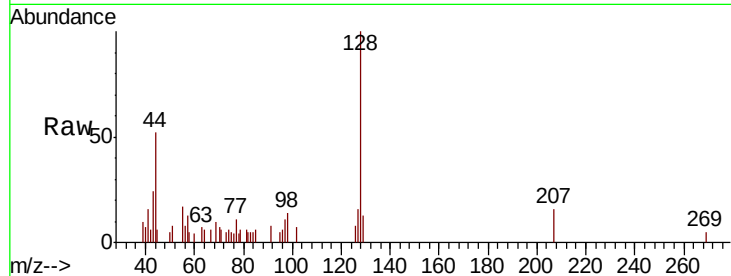




#89
Naphthalene
Concen: 0.153 ug/l
RT: 13.76 min Scan# 3939
Delta R.T. 0.02 min
Lab File: VU029356.D
Acq: 06 Feb 2019 10:43

Instrument :
MSVOA_U
ClientSampleId :
VBLK51

Tgt Ion:128 Resp: 5990
Ion Ratio Lower Upper
128 100
127 12.5 10.7 16.1
129 8.5 8.2 12.4



#90
1,2,3-Trichlorobenzene
Concen: 0.110 ug/l
RT: 13.99 min Scan# 4012
Delta R.T. 0.01 min
Lab File: VU029356.D
Acq: 06 Feb 2019 10:43

Tgt Ion:180 Resp: 2326
Ion Ratio Lower Upper
180 100
182 108.9 78.0 117.0
145 26.5 26.6 39.8#

