

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026209.D
 Acq On : 20 Aug 2018 15:34
 Operator : MD/SY
 Sample : J4045-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 21 07:41:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

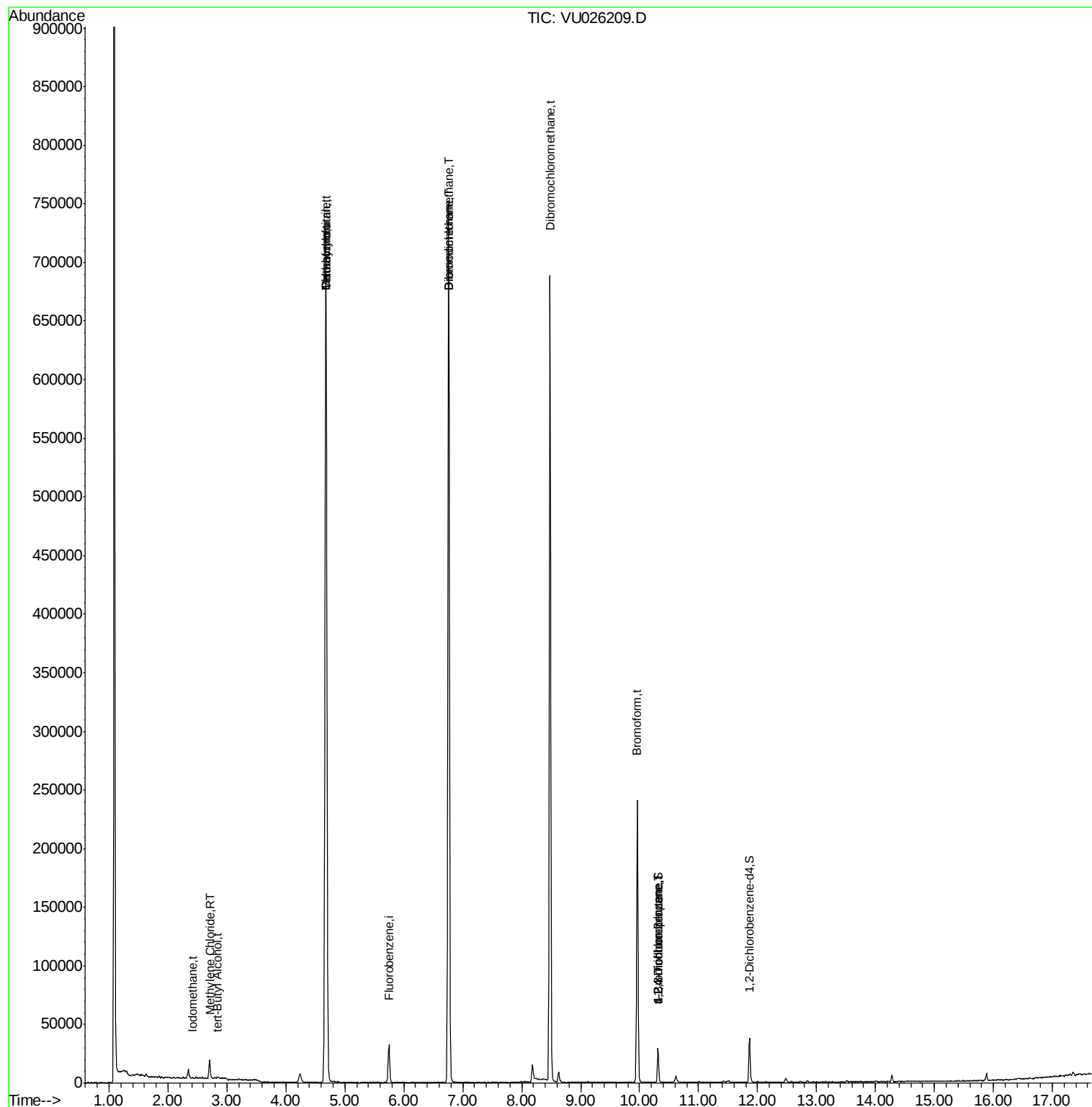
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	30868	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	9624	0.87	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	10700	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	
Target Compounds					Ovalue	
10) Iodomethane	2.42	142	475	0.276	ug/l #	81
13) Acetone	2.32	43	1202	Below Cal		96
15) Methylene Chloride	2.70	84	6429	0.435	ug/l	94
24) tert-Butyl Alcohol	2.84	59	538	0.958	ug/l #	87
27) Chloroform	4.68	83	674951	38.461	ug/l	97
39) Methacrylonitrile	4.68	41	1560	0.558	ug/l #	27
41) Tetrahydrofuran	4.67	42	1073	0.690	ug/l #	41
43) Dibromomethane	6.76	93	16058	3.281	ug/l #	2
44) Bromodichloromethane	6.76	83	474880	37.588	ug/l	99
46) t-1,4-Dichloro-2-butene	10.31	75	4927	2.410	ug/l #	14
55) Dibromochloromethane	8.48	129	351769	39.643	ug/l	99
67) Bromoform	9.96	173	111123	21.258	ug/l #	98
71) 1,2,3-Trichloropropane	10.31	75	4927	0.826	ug/l #	44
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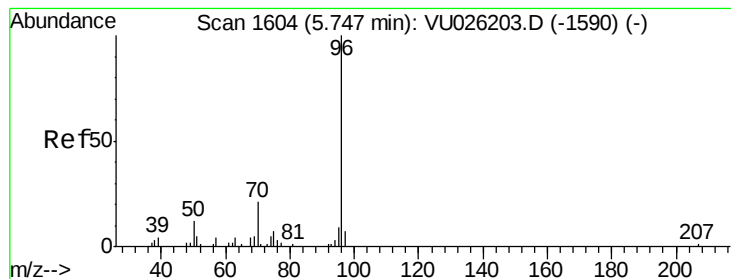
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Aug 21 07:41:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Aug 20 13:35:41 2018
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VU026209.D

Acq: 20 Aug 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 30868

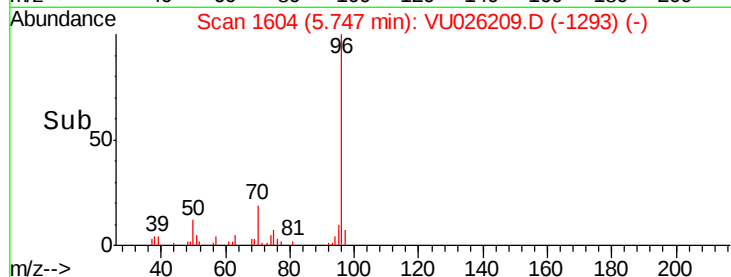
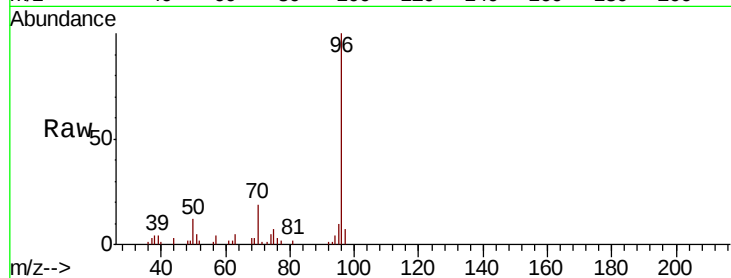
Ion Ratio Lower Upper

96 100

70 18.7 16.2 24.4

95 9.9 6.9 10.3

97 6.3 0.0 0.0#

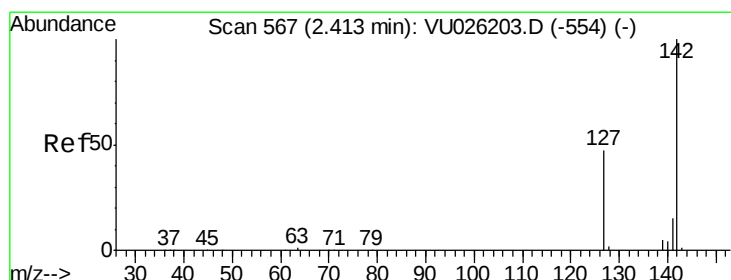
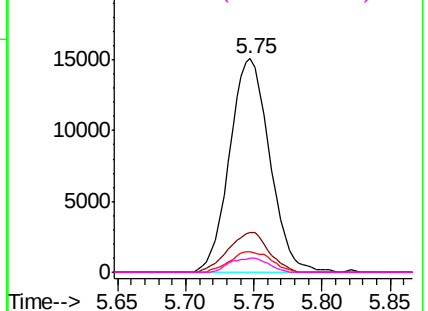


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#10

Iodomethane

Concen: 0.276 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU026209.D

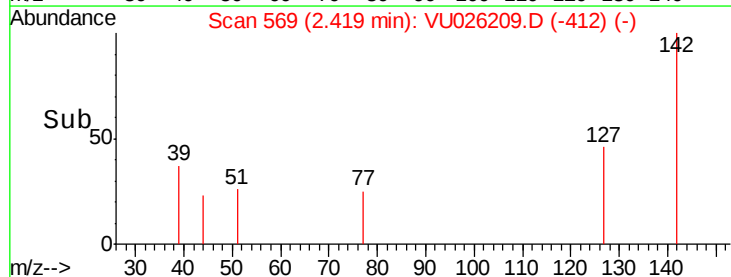
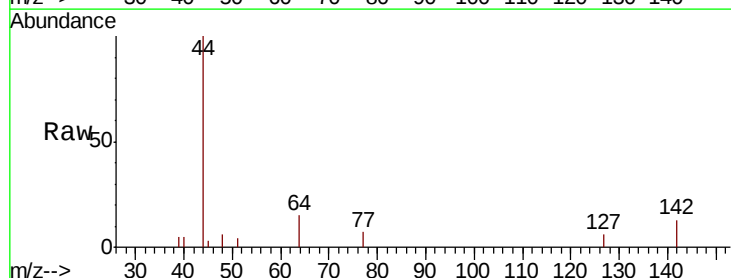
Acq: 20 Aug 2018 15:34

Tgt Ion:142 Resp: 475

Ion Ratio Lower Upper

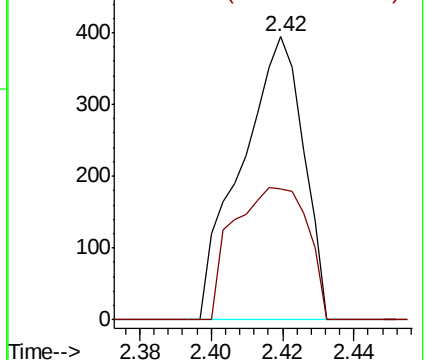
142 100

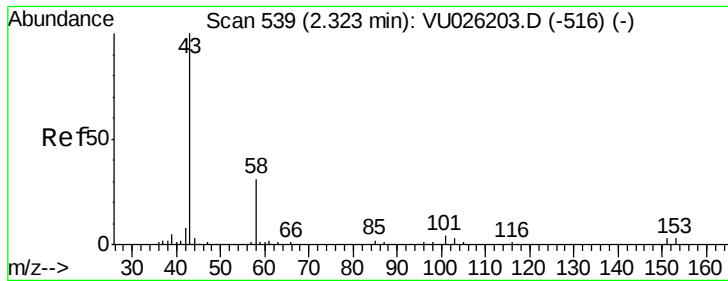
127 55.6 34.5 51.7#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V





#13

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026209.D

Acq: 20 Aug 2018 15:34

Instrument :

MSVOA_U

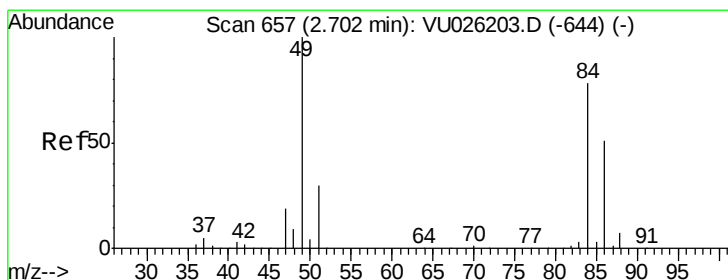
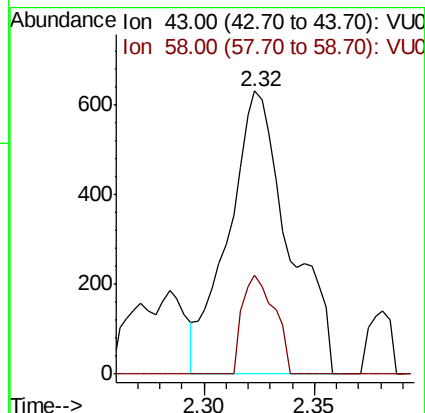
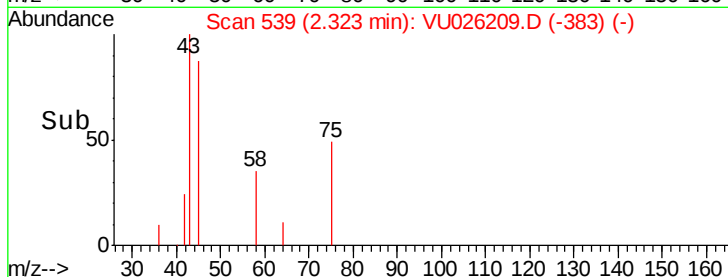
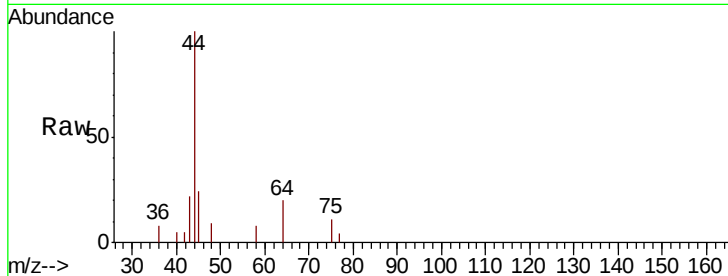
ClientSampleId :

Tot Ion: 43 Resp: 1202

Ion Ratio Lower Upper

43 100

58 34.9 26.0 39.0



#15

Methylene Chloride

Concen: 0.435 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026209.D

Acq: 20 Aug 2018 15:34

Tgt Ion: 84 Resp: 6429

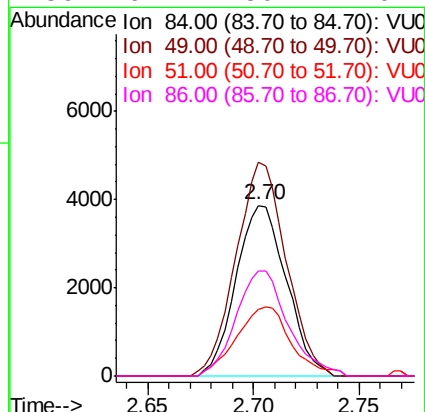
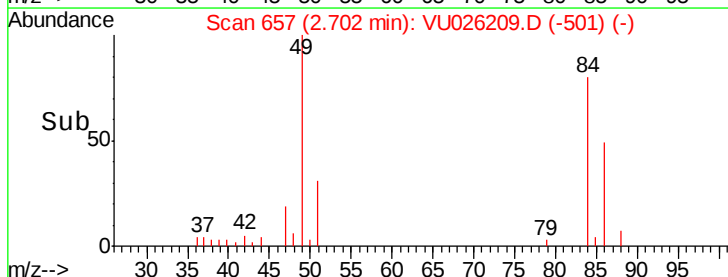
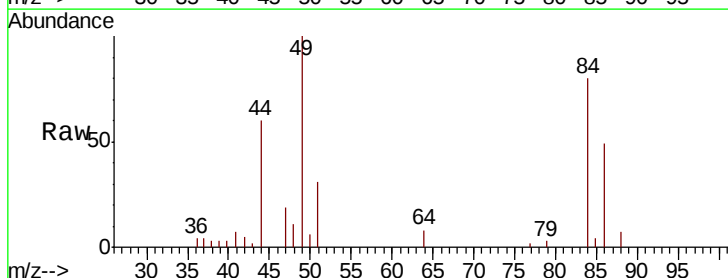
Ion Ratio Lower Upper

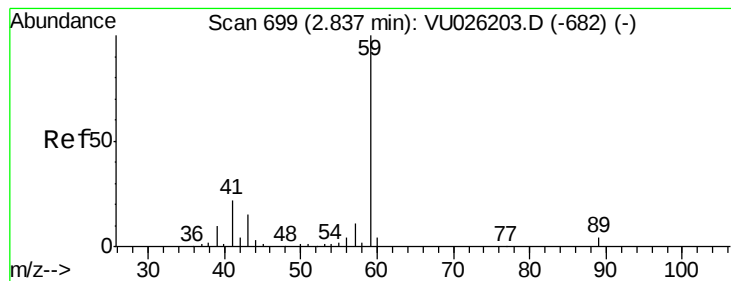
84 100

49 125.0 108.7 163.1

51 38.6 0.0 82.4

86 61.7 50.7 76.1





#24

tert-Butyl Alcohol

Concen: 0.958 ug/l

RT: 2.84 min Scan# 699

Delta R.T. -0.00 min

Lab File: VU026209.D

Acq: 20 Aug 2018 15:34

Instrument :

MSVOA_U

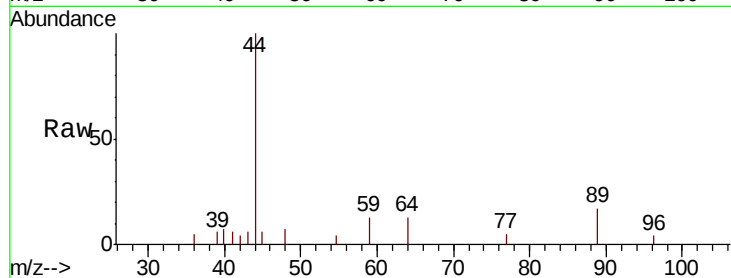
ClientSampleId :

Tot Ion: 59 Resp: 538

Ion Ratio Lower Upper

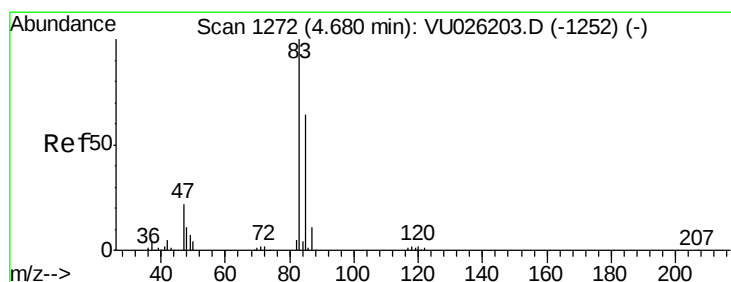
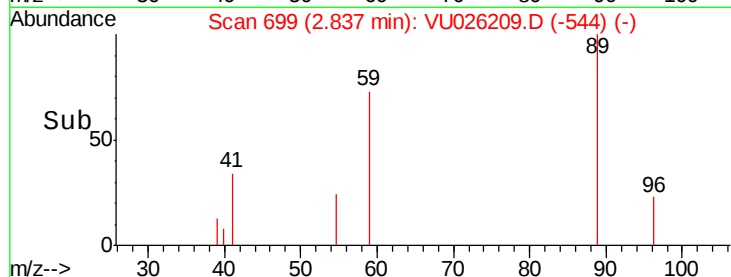
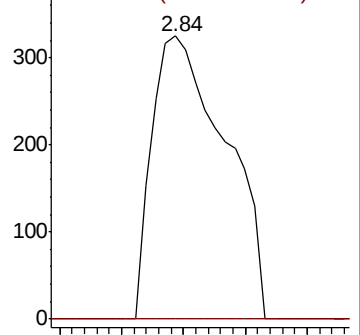
59 100

57 0.0 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#27

Chloroform

Concen: 38.461 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026209.D

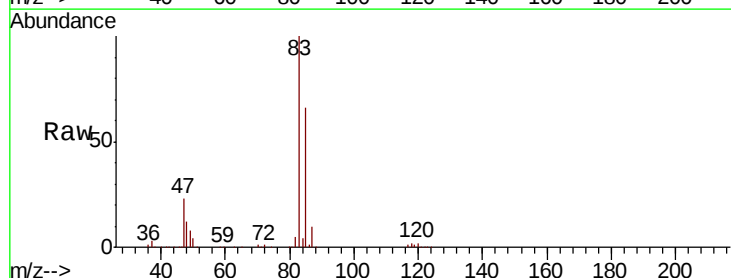
Acq: 20 Aug 2018 15:34

Tgt Ion: 83 Resp: 674951

Ion Ratio Lower Upper

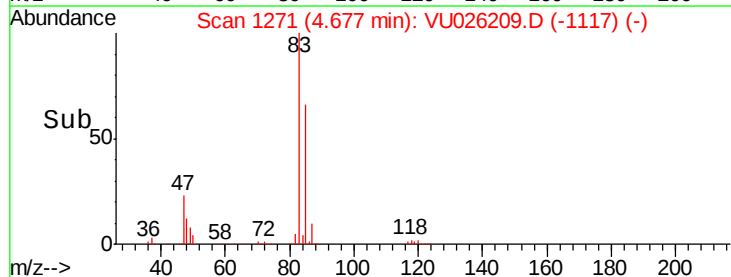
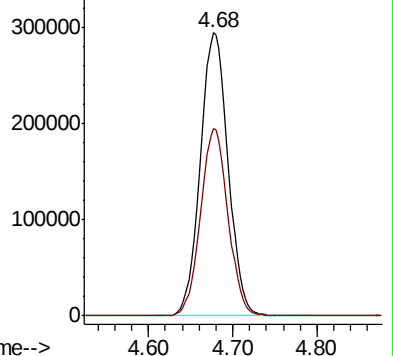
83 100

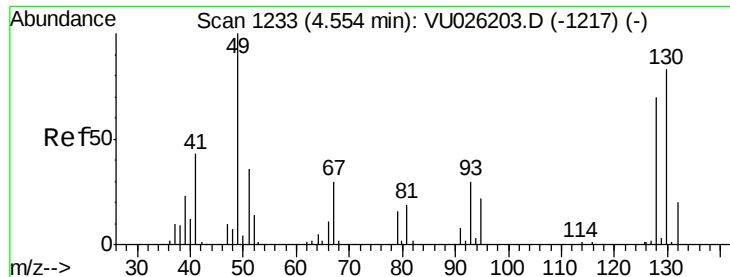
85 66.3 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

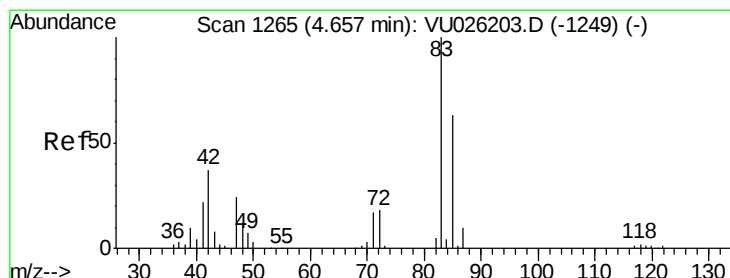
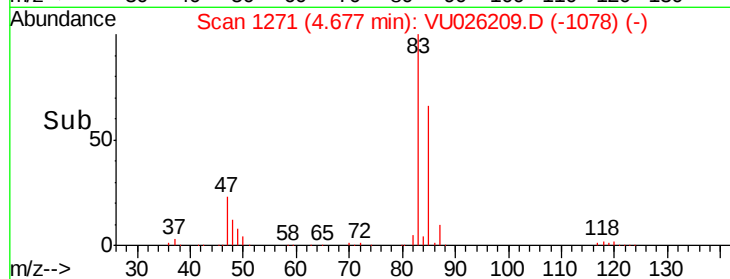
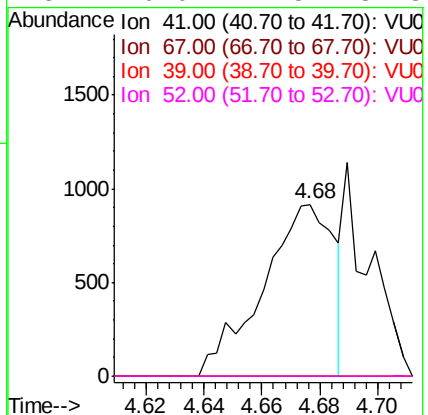
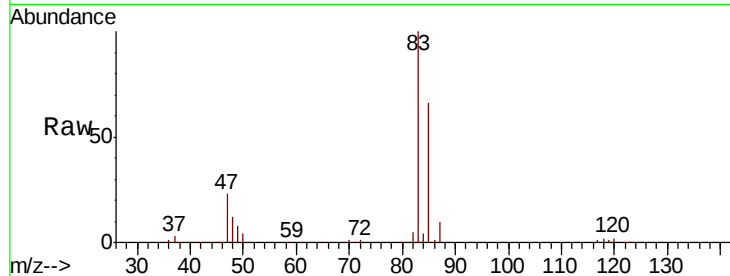




#39
Methacrylonitrile
Concen: 0.558 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.12 min
Lab File: VU026209.D
Acq: 20 Aug 2018 15:34

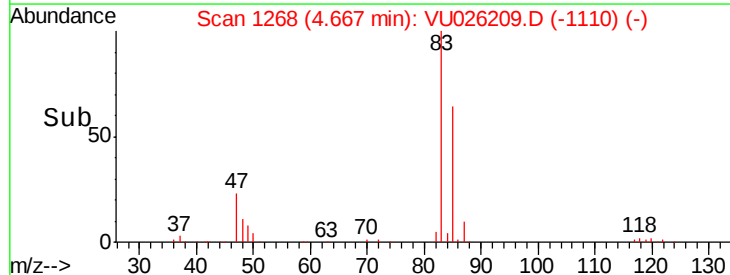
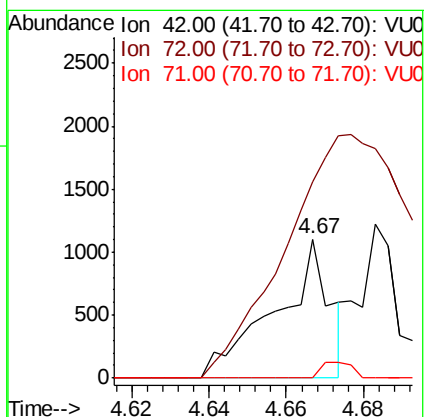
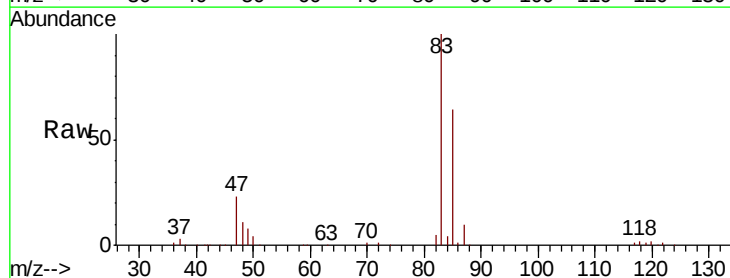
Instrument :
MSVOA_U
ClientSampleId :

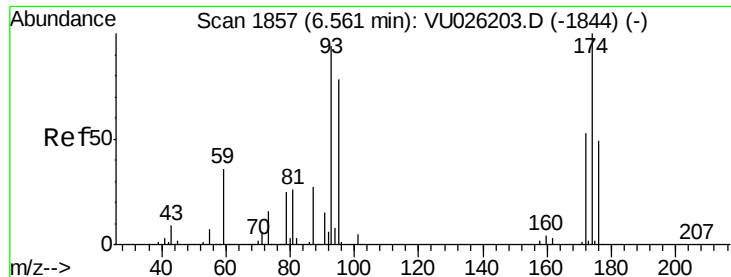
Tot Ion: 41 Resp: 1560
Ion Ratio Lower Upper
41 100
67 0.0 51.3 76.9#
39 0.0 40.6 60.8#
52 0.0 21.5 32.3#



#41
Tetrahydrofuran
Concen: 0.690 ug/l
RT: 4.67 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VU026209.D
Acq: 20 Aug 2018 15:34

Tgt Ion: 42 Resp: 1073
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 6.2 29.8 44.8#





#43

Dibromomethane

Concen: 3.281 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.20 min

Lab File: VU026209.D

Acq: 20 Aug 2018 15:34

Instrument :

MSVOA_U

ClientSampled :

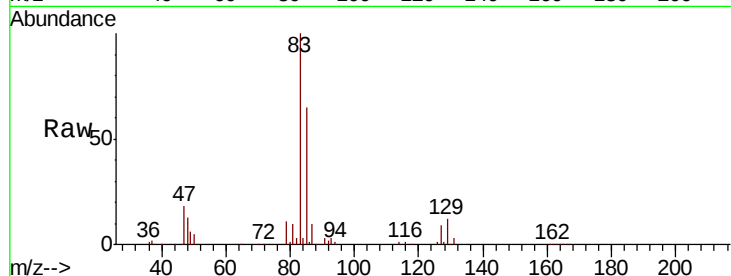
Tot Ion: 93 Resp: 16058

Ion Ratio Lower Upper

93 100

95 0.0 67.2 100.8#

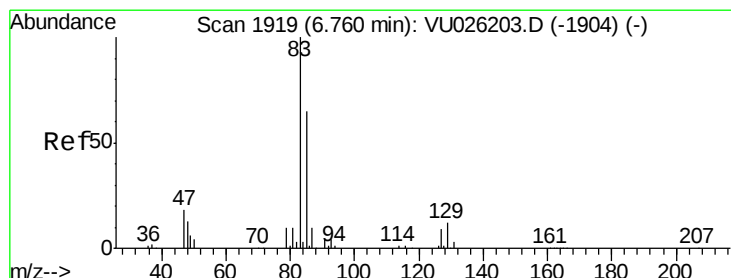
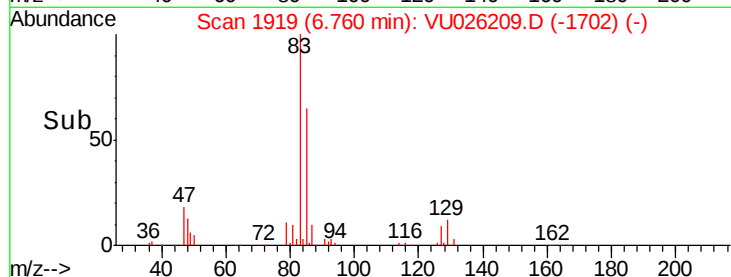
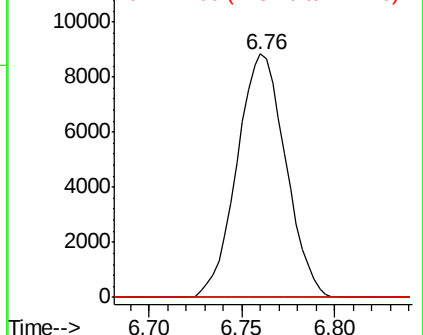
174 0.0 82.8 124.2#



Abundance Ion 93.00 (92.70 to 93.70): VU026209.D (-1702) (-)

Ion 95.00 (94.70 to 95.70): VU026209.D (-1702) (-)

Ion 174.00 (173.70 to 174.70): VU026209.D (-1702) (-)



#44

Bromodichloromethane

Concen: 37.588 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026209.D

Acq: 20 Aug 2018 15:34

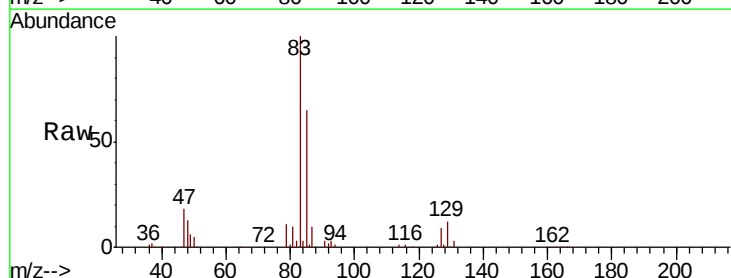
Tgt Ion: 83 Resp: 474880

Ion Ratio Lower Upper

83 100

85 64.9 52.2 78.4

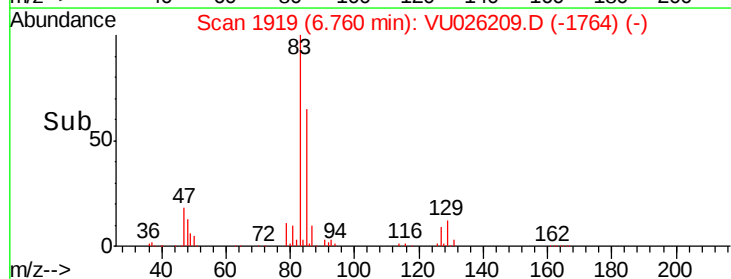
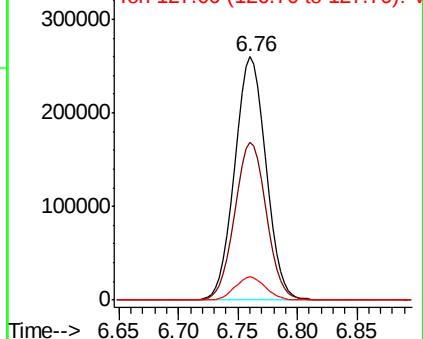
127 9.4 7.0 10.4

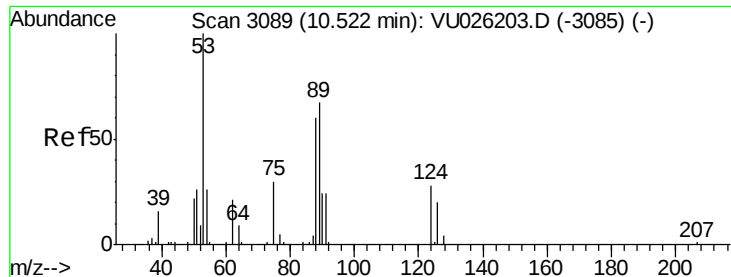


Abundance Ion 83.00 (82.70 to 83.70): VU026209.D (-1764) (-)

Ion 85.00 (84.70 to 85.70): VU026209.D (-1764) (-)

Ion 127.00 (126.70 to 127.70): VU026209.D (-1764) (-)

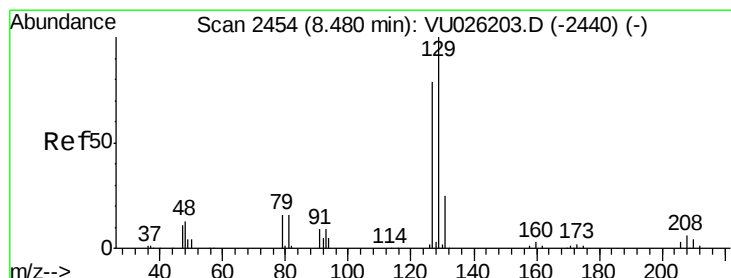
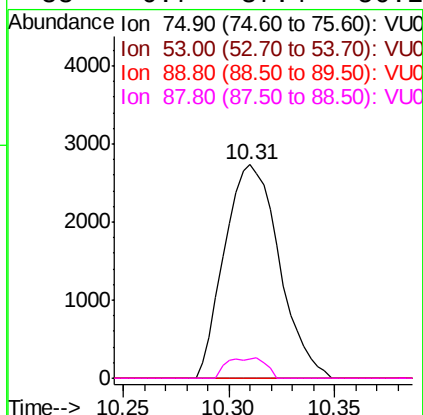
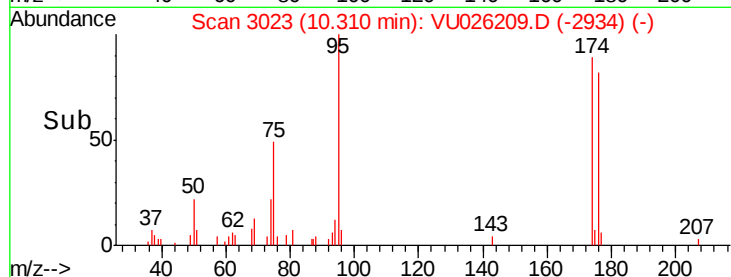
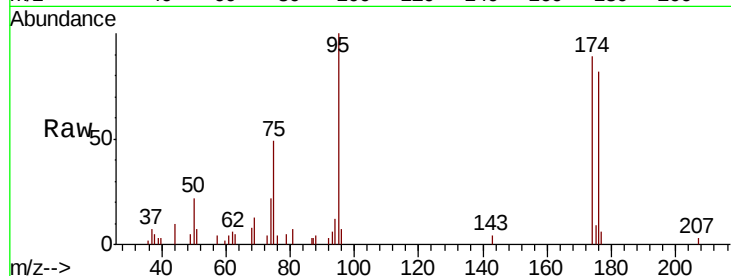




#46
t-1,4-Dichloro-2-butene
Concen: 2.410 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.21 min
Lab File: VU026209.D
Acq: 20 Aug 2018 15:34

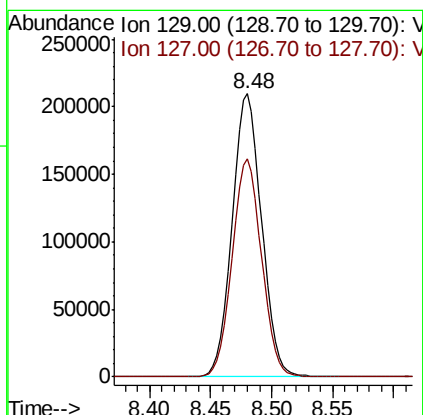
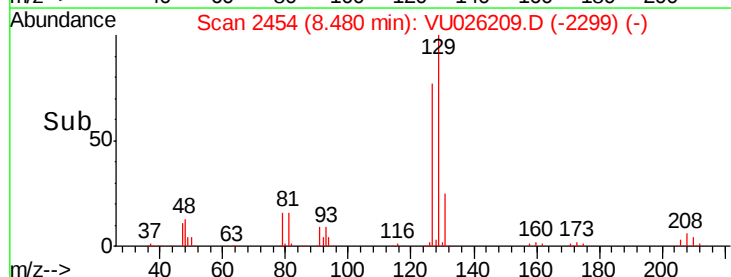
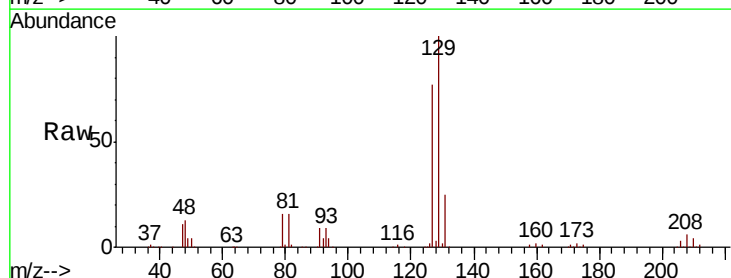
Instrument :
MSVOA_U
ClientSampleId :

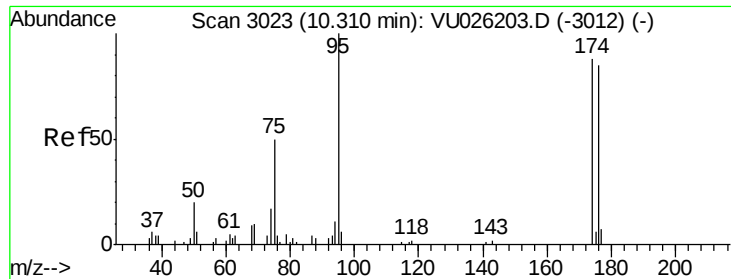
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	82.2	123.4#
89	0.0	51.3	76.9#
88	6.7	37.4	56.2#



#55
Dibromochloromethane
Concen: 39.643 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026209.D
Acq: 20 Aug 2018 15:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	61.1	91.7

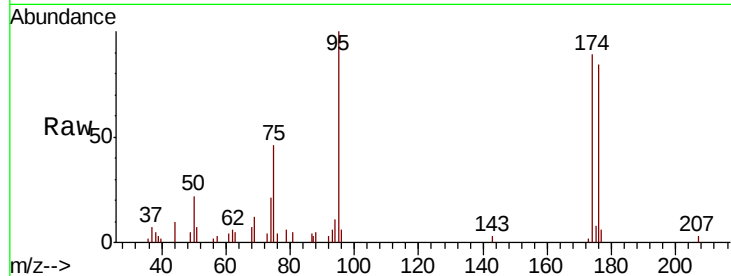




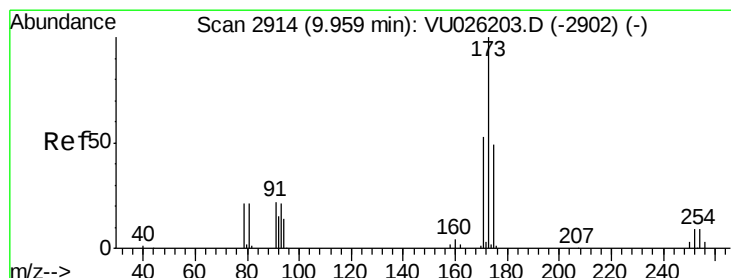
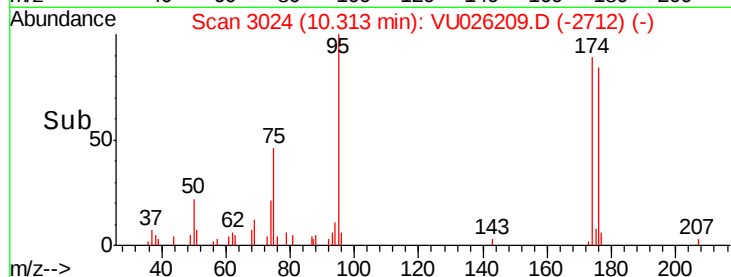
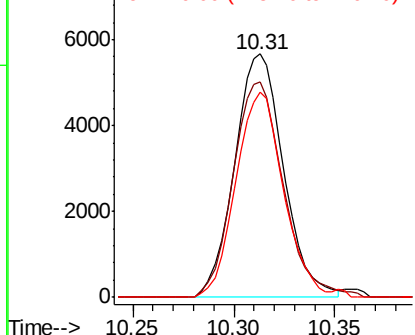
#57
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU026209.D
Acq: 20 Aug 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 9624
Ion Ratio Lower Upper
95 100
174 90.9 65.6 98.4
176 82.7 62.0 93.0

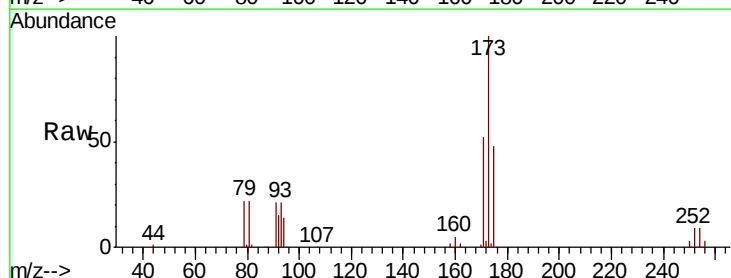


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

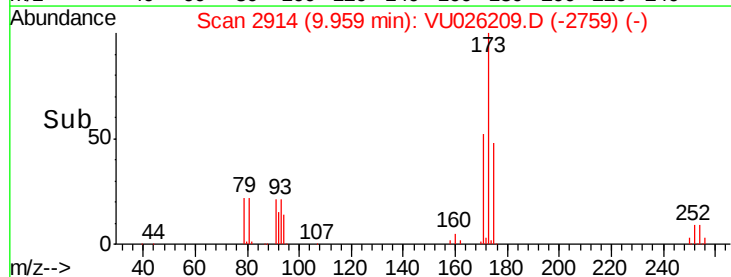
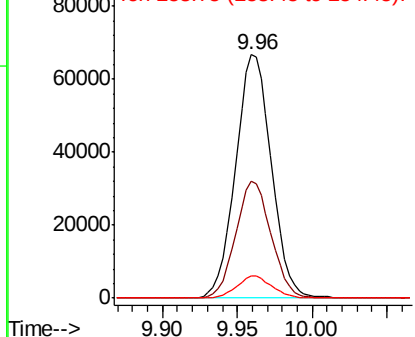


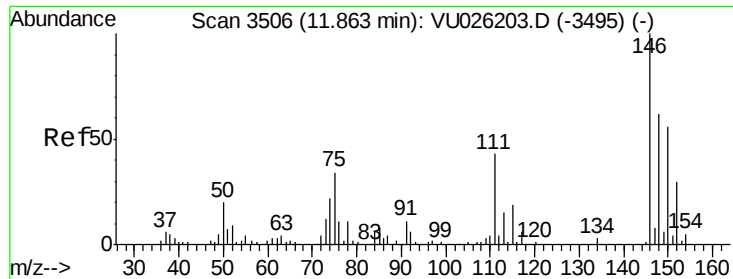
#67
Bromoform
Concen: 21.258 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VU026209.D
Acq: 20 Aug 2018 15:34

Tgt Ion:173 Resp: 111123
Ion Ratio Lower Upper
173 100
175 47.2 38.6 57.8
254 8.7 8.8 13.2#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V





#68

1,2-Dichlorobenzene-d4

Concen: 21.258 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VU026209.D

Acq: 20 Aug 2018 15:34

Instrument :

MSVOA_U

ClientSampled :

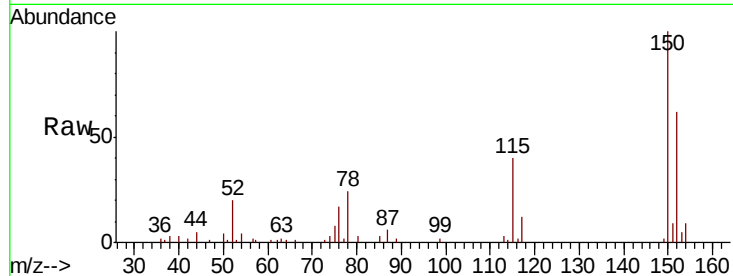
Tot Ion:152 Resp: 10700

Ion Ratio Lower Upper

152 100

115 64.0 0.0 118.8

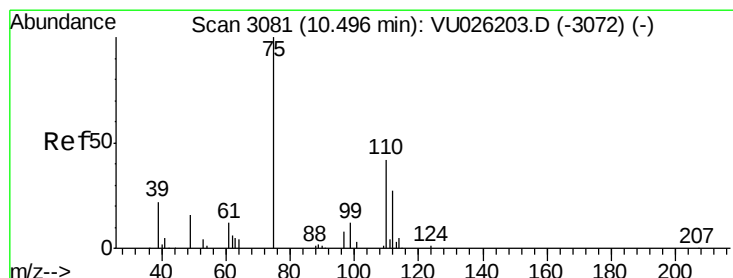
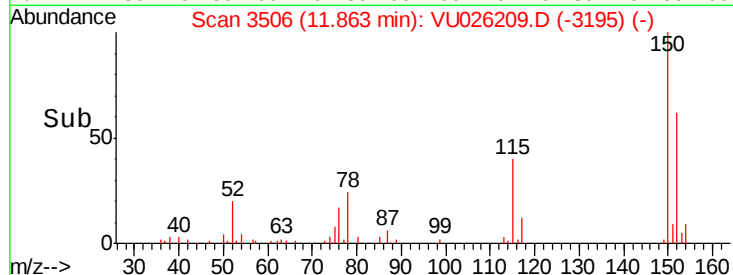
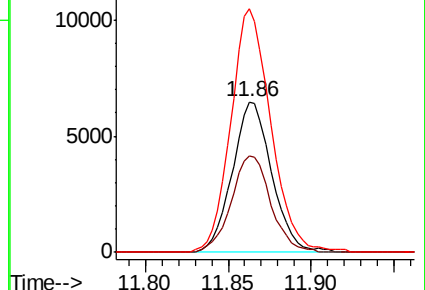
150 164.8 0.0 0.0#



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#71

1,2,3-Trichloropropane

Concen: 0.826 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU026209.D

Acq: 20 Aug 2018 15:34

Tgt Ion: 75 Resp: 4927

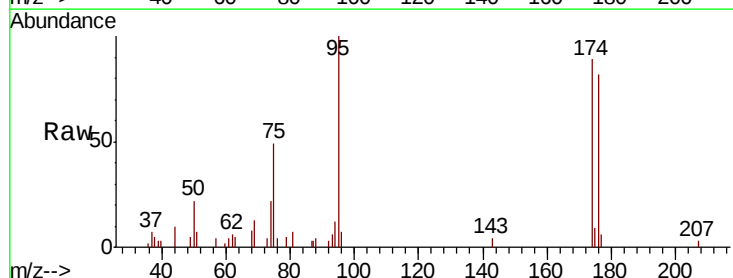
Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

110 0.0 0.0 74.0

97 0.0 0.0 39.6



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

