

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030572.D
 Acq On : 30 Mar 2019 13:49
 Operator : JC/SP
 Sample : I.BLK
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK35

Quant Time: Mar 31 01:16:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

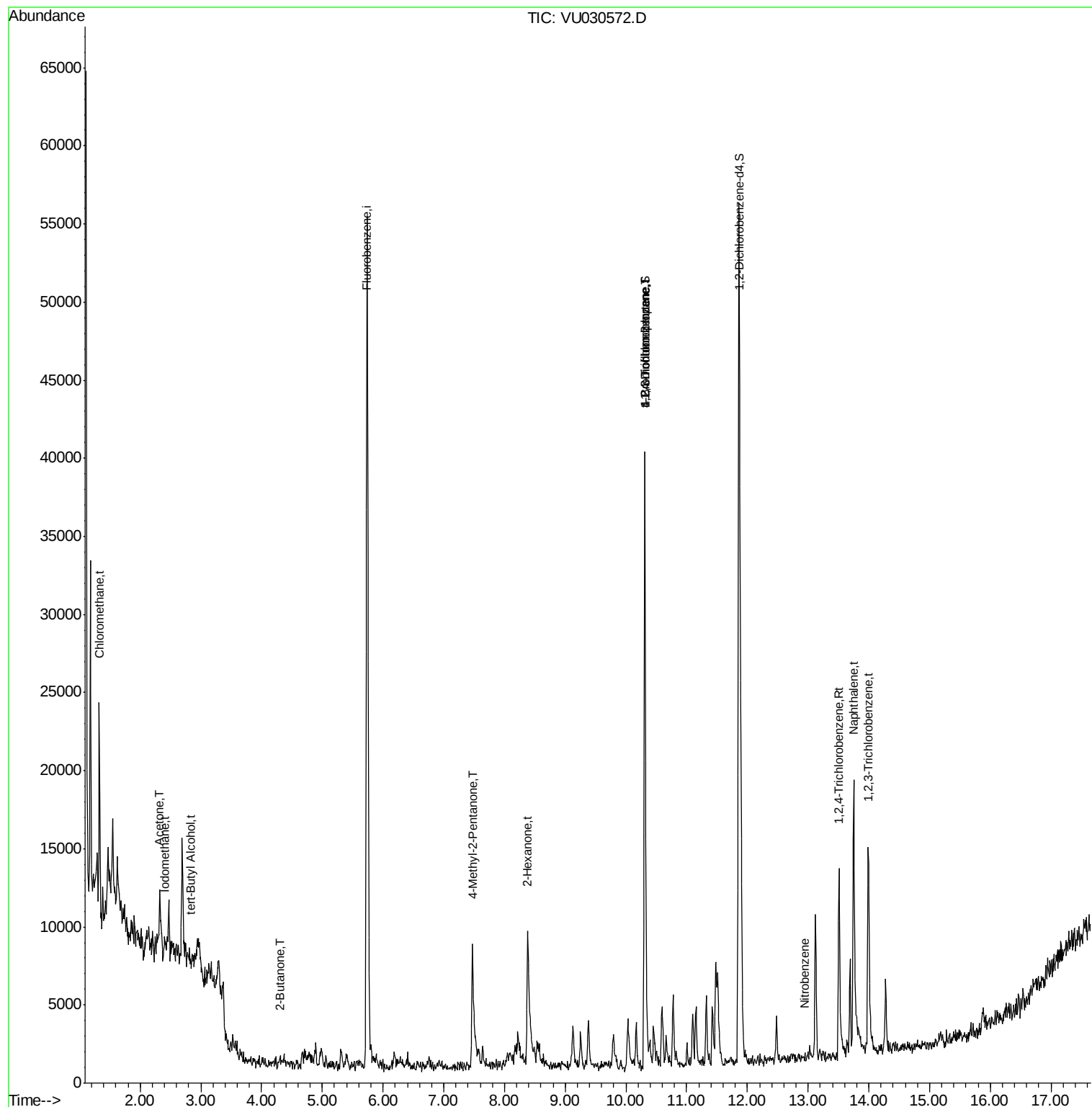
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	49220	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	15433	0.82	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16040	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
Target Compounds						Ovalue
3) Chloromethane	1.33	50	9634	0.360	ug/l	98
10) Iodomethane	2.41	142	696	0.543	ug/l #	80
13) Acetone	2.32	43	2895	0.838	ug/l #	79
18) 2-Butanone	4.31	43	946	0.212	ug/l	79
24) tert-Butyl Alcohol	2.84	59	328	0.257	ug/l #	88
45) 4-Methyl-2-Pentanone	7.47	43	6741	0.641	ug/l #	96
46) t-1,4-Dichloro-2-butene	10.31	75	7400	2.192	ug/l #	24
54) 2-Hexanone	8.38	43	10536	1.483	ug/l	87
71) 1,2,3-Trichloropropane	10.31	75	7400	0.795	ug/l #	41
80) Nitrobenzene	12.94	77	50	0.254	ug/l #	43
87) 1,2,4-Trichlorobenzene	13.51	180	4734	0.300	ug/l	98
89) Naphthalene	13.75	128	16347	0.594	ug/l #	96
90) 1,2,3-Trichlorobenzene	13.99	180	5681	0.379	ug/l	89
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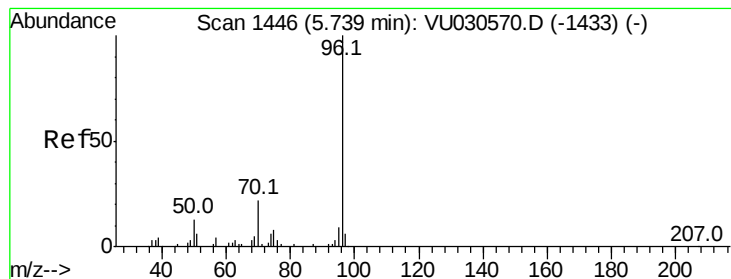
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Mar 31 01:11:51 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: VU030572.D

Acq: 30 Mar 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VBLK35

Tot Ion: 96 Resp: 49220

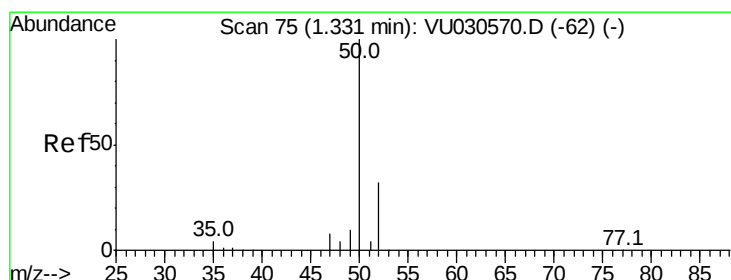
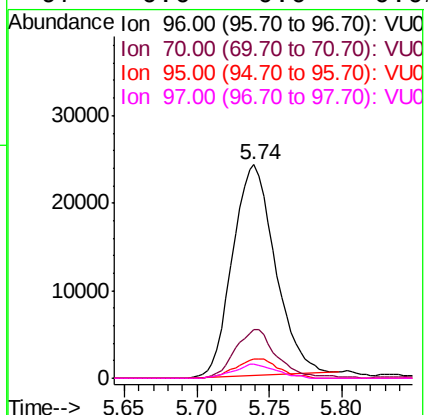
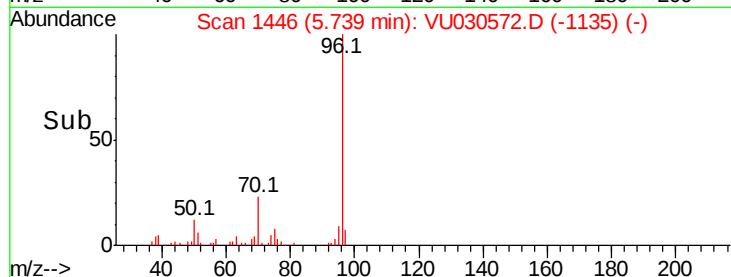
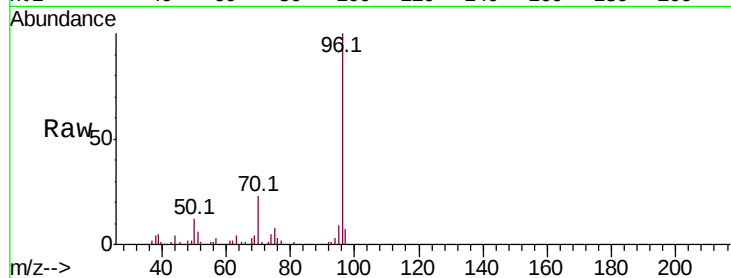
Ion Ratio Lower Upper

96 100

70 22.9 15.6 23.4

95 9.3 7.3 10.9

97 6.6 0.0 0.0#



#3

Chloromethane

Concen: 0.360 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030572.D

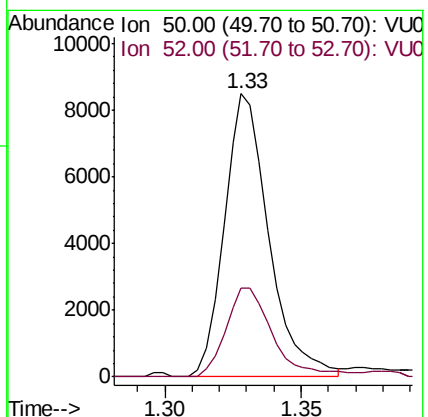
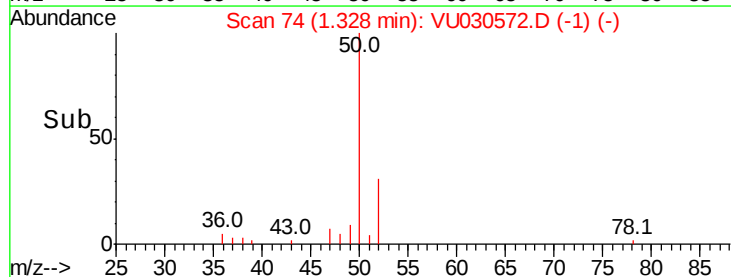
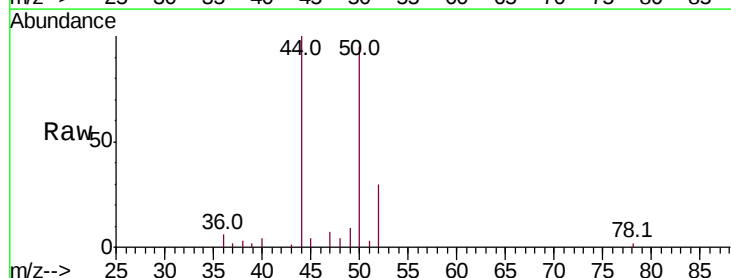
Acq: 30 Mar 2019 13:49

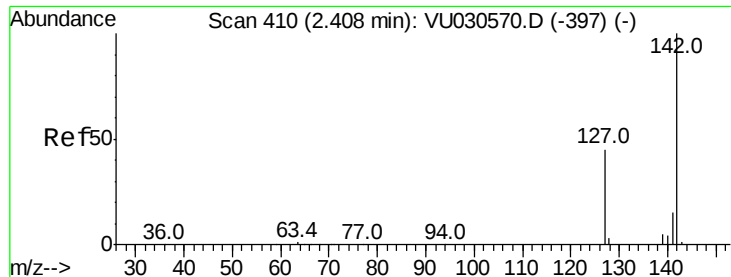
Tgt Ion: 50 Resp: 9634

Ion Ratio Lower Upper

50 100

52 31.4 25.8 38.8





#10

Iodomethane

Concen: 0.543 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

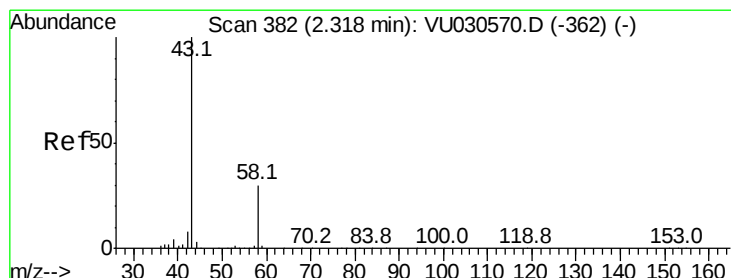
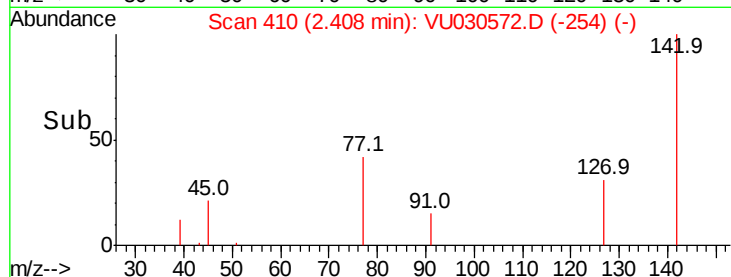
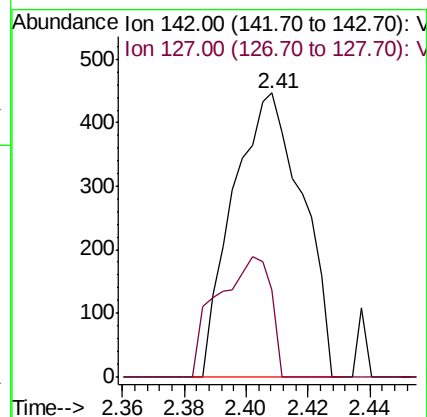
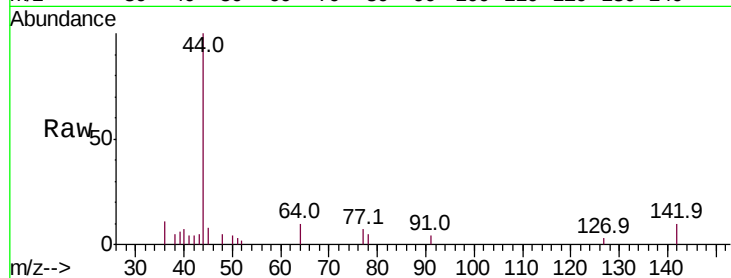
VBLK35

Tot Ion:142 Resp: 696

Ion Ratio Lower Upper

142 100

127 32.6 36.8 55.2#



#13

Acetone

Concen: 0.838 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030572.D

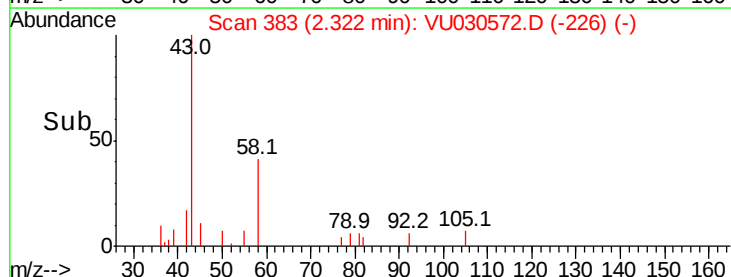
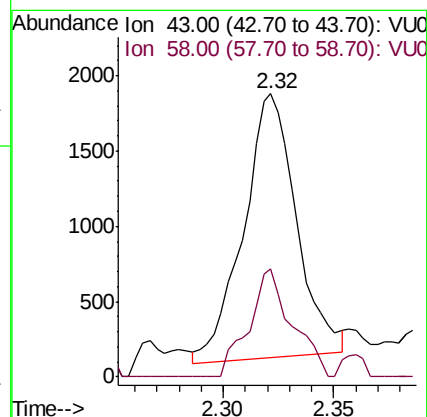
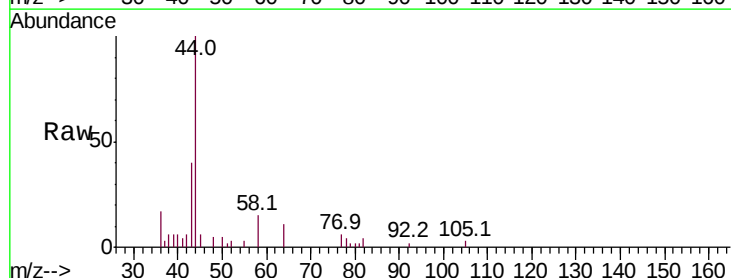
Acq: 30 Mar 2019 13:49

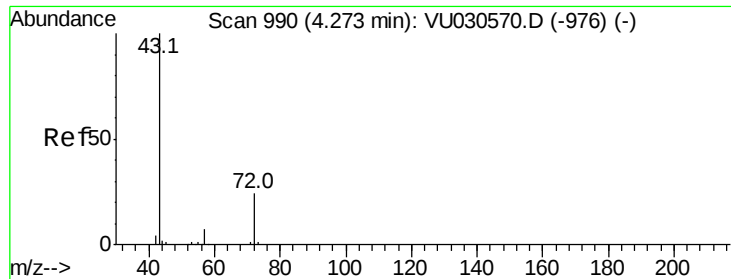
Tgt Ion: 43 Resp: 2895

Ion Ratio Lower Upper

43 100

58 41.8 24.2 36.4#

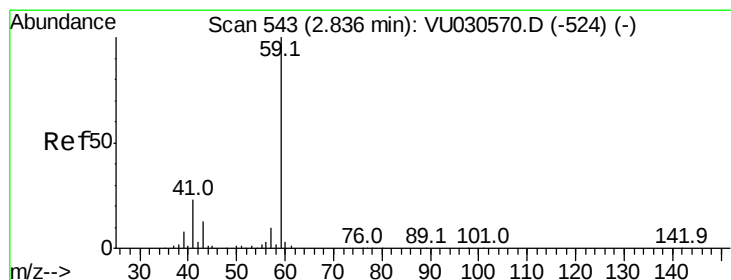
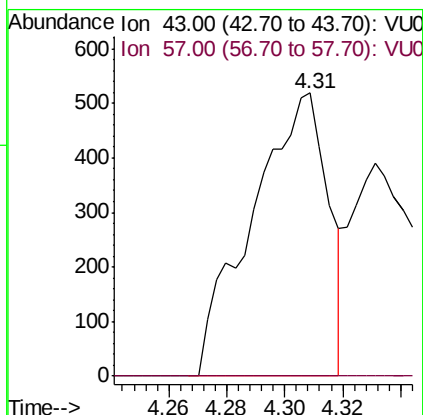
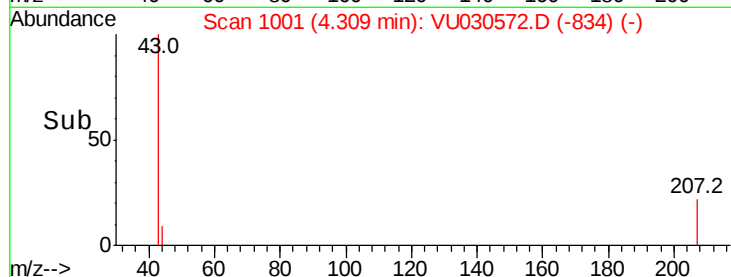
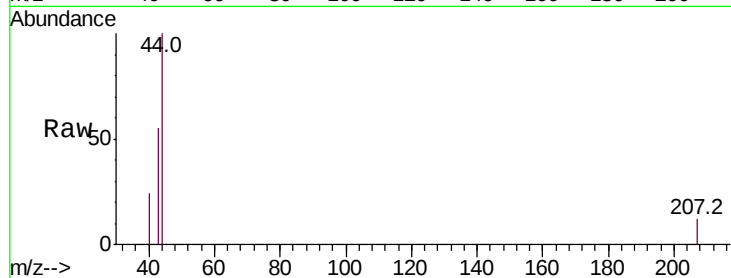




#18
2-Butanone
Concen: 0.212 ug/l
RT: 4.31 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VU030572.D
Acq: 30 Mar 2019 13:49

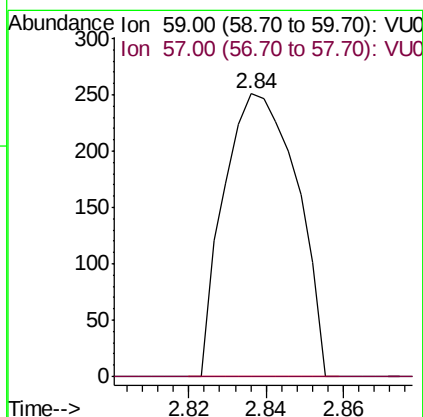
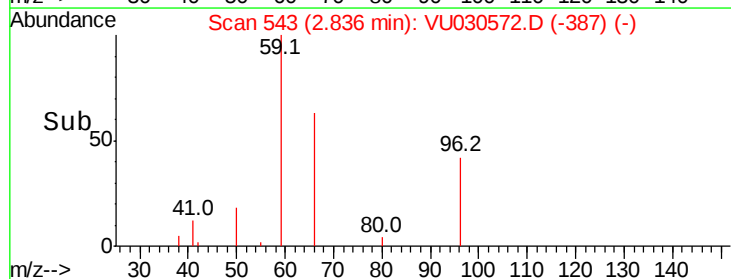
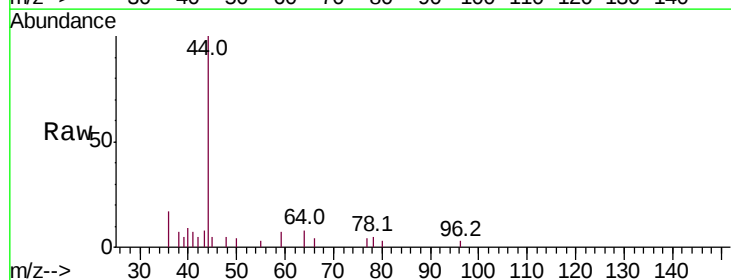
Instrument :
MSVOA_U
ClientSampleId :
VBLK35

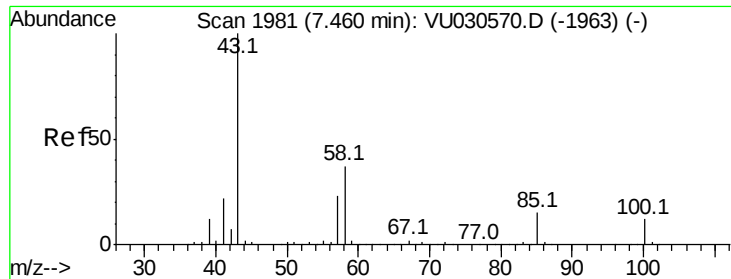
Tot Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
57 0.0 0.0 14.4



#24
tert-Butyl Alcohol
Concen: 0.257 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU030572.D
Acq: 30 Mar 2019 13:49

Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 6.1 8.4 12.6#





#45

4-Methyl-2-Pentanone

Concen: 0.641 ug/l

RT: 7.47 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

Instrument :

MSVOA_U

ClientSampled :

VBLK35

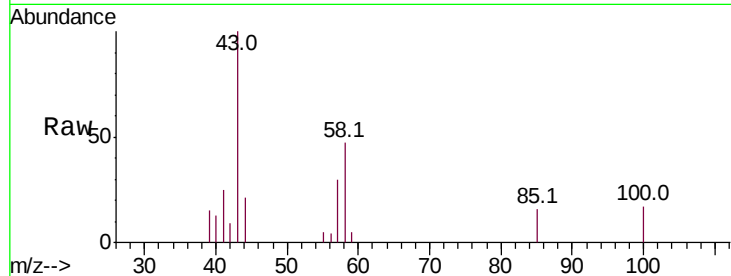
Tot Ion: 43 Resp: 6741

Ion Ratio Lower Upper

43 100

58 38.2 18.6 55.8

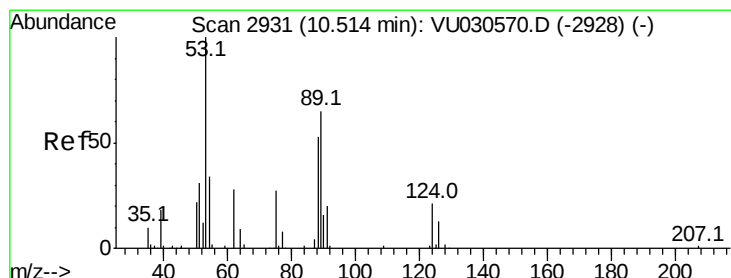
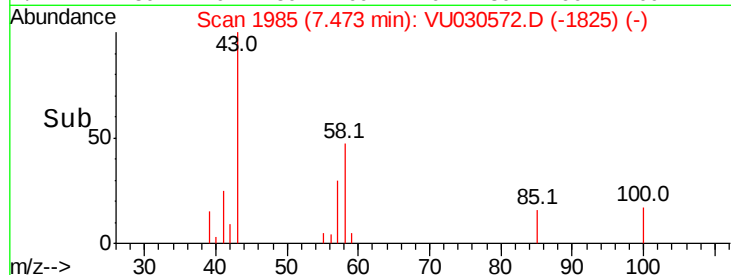
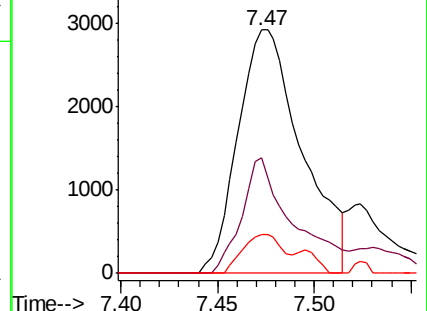
85 10.2 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-1963) (-)

Ion 58.00 (57.70 to 58.70): VU030570.D (-1963) (-)

Ion 85.00 (84.70 to 85.70): VU030570.D (-1963) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 2.192 ug/l

RT: 10.31 min Scan# 2868

Delta R.T. -0.20 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

Tgt Ion: 75 Resp: 7400

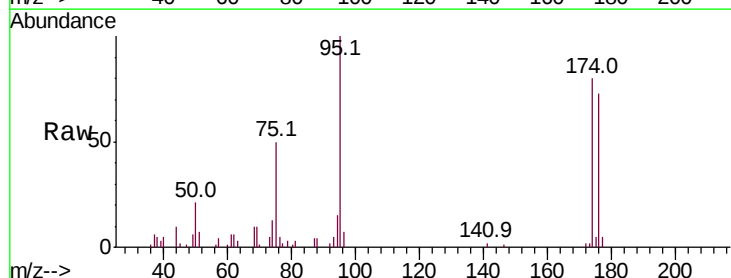
Ion Ratio Lower Upper

75 100

53 0.0 63.4 95.2#

89 0.0 39.1 58.7#

88 6.4 30.4 45.6#

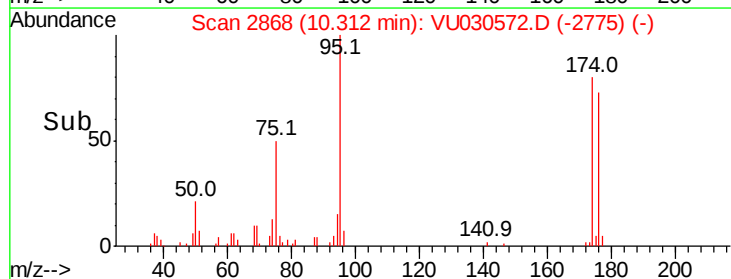
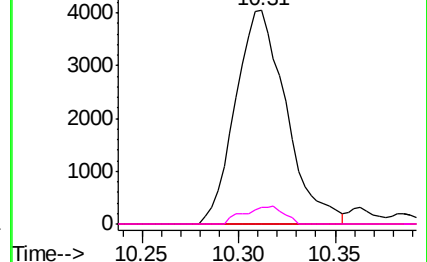


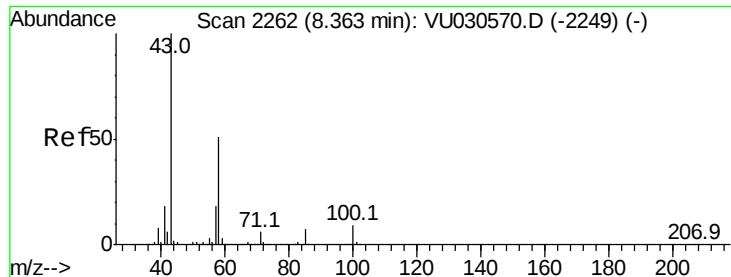
Abundance Ion 74.90 (74.60 to 75.60): VU030570.D (-2928) (-)

Ion 53.00 (52.70 to 53.70): VU030570.D (-2928) (-)

Ion 88.80 (88.50 to 89.50): VU030570.D (-2928) (-)

Ion 87.80 (87.50 to 88.50): VU030570.D (-2928) (-)





#54

2-Hexanone

Concen: 1.483 ug/l

RT: 8.38 min Scan# 2268

Delta R.T. 0.02 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VBLK35

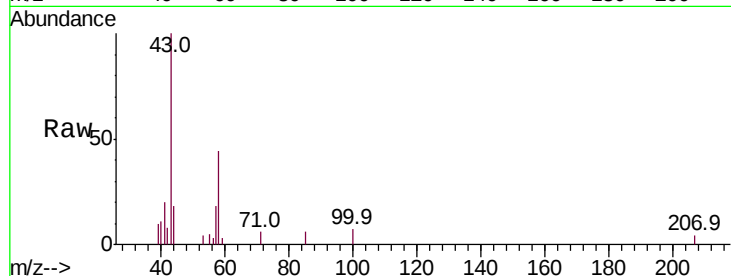
Tot Ion: 43 Resp: 10536

Ion Ratio Lower Upper

43 100

58 42.2 32.5 72.5

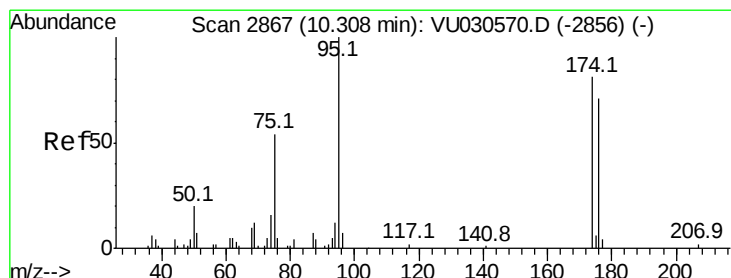
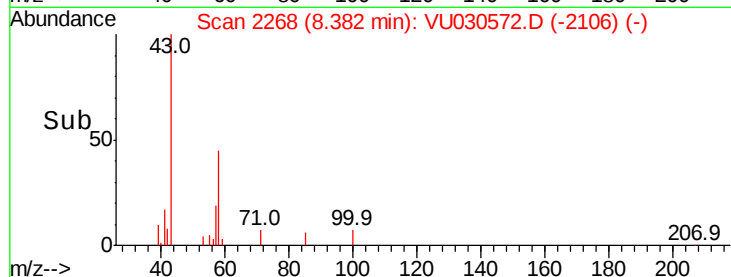
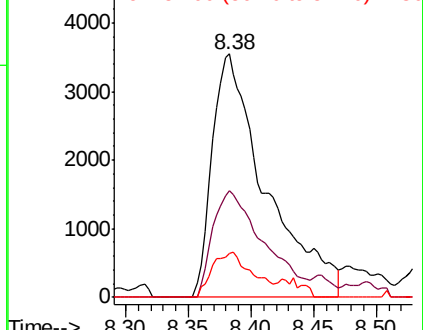
57 13.9 0.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-2249) (-)

Ion 58.00 (57.70 to 58.70): VU030570.D (-2249) (-)

Ion 57.00 (56.70 to 57.70): VU030570.D (-2249) (-)



#57

4-Bromofluorobenzene

Concen: Below ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

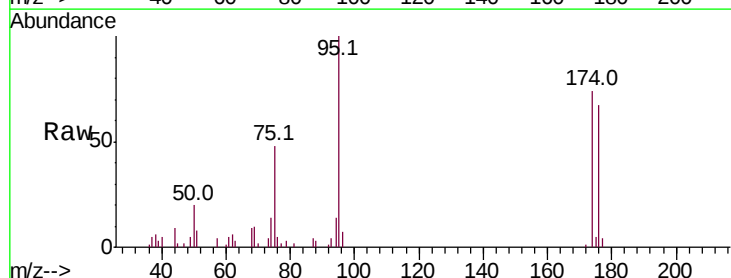
Tgt Ion: 95 Resp: 15433

Ion Ratio Lower Upper

95 100

174 78.0 60.5 90.7

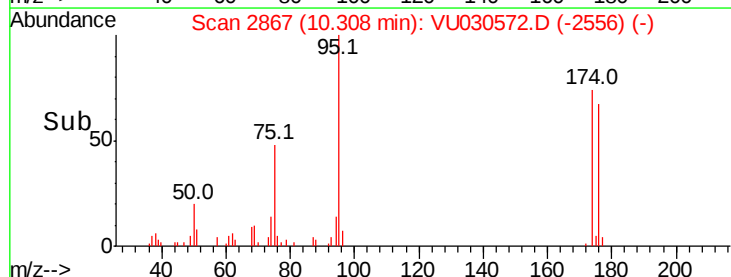
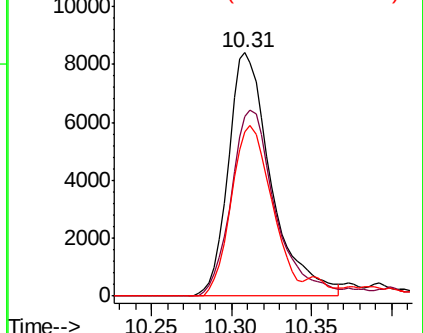
176 66.2 57.9 86.9

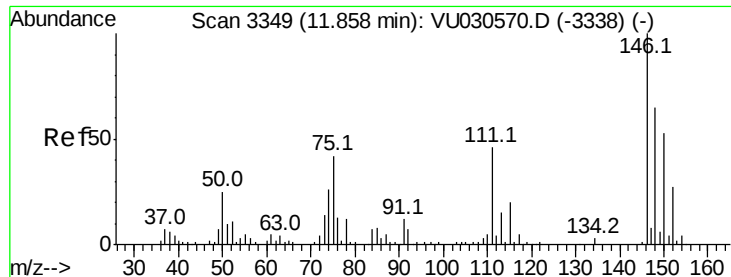


Abundance Ion 95.00 (94.70 to 95.70): VU030570.D (-2856) (-)

Ion 174.00 (173.70 to 174.70): VU030570.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU030570.D (-2856) (-)





#68

1,2-Dichlorobenzene-d4

Concen: N.D. ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VBLK35

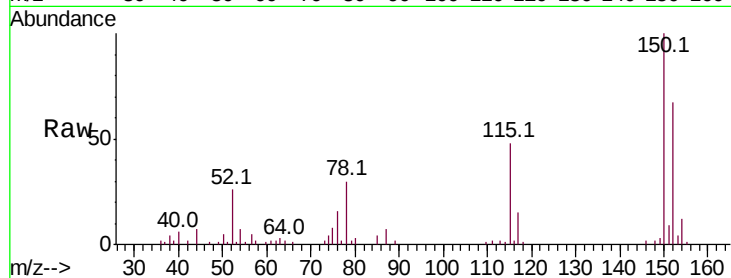
Tot Ion:152 Resp: 16040

Ion Ratio Lower Upper

152 100

115 66.3 0.0 136.2

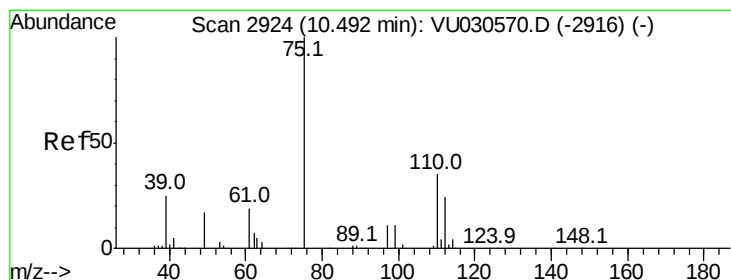
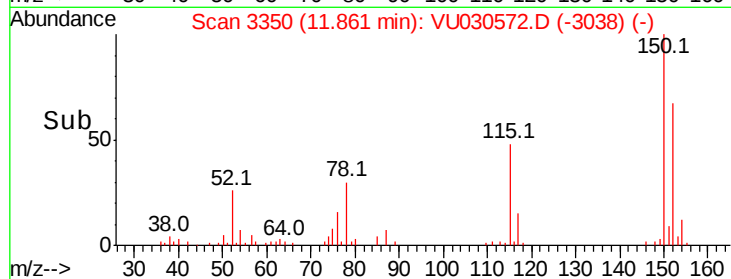
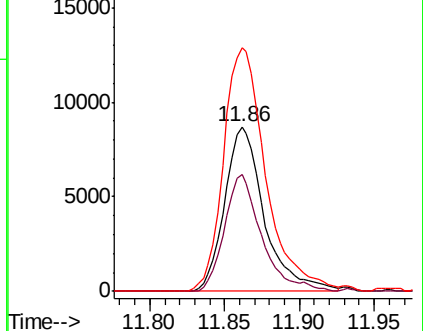
150 157.9 0.0 634.6



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: 0.795 ug/l

RT: 10.31 min Scan# 2868

Delta R.T. -0.18 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

Tgt Ion: 75 Resp: 7400

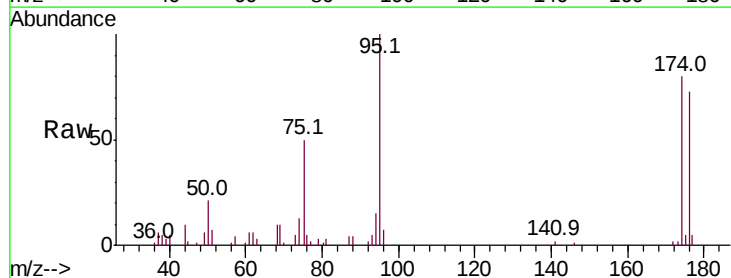
Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

110 0.0 0.0 83.8

97 0.0 0.0 42.8

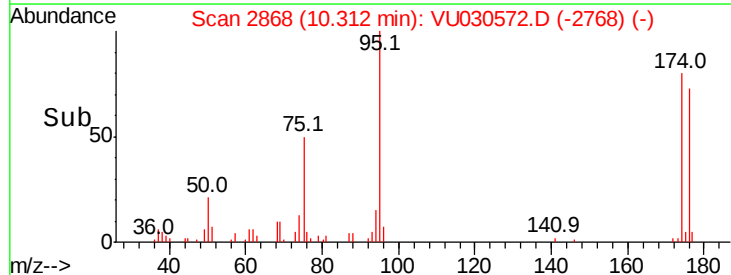
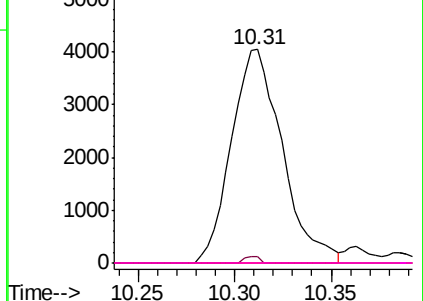


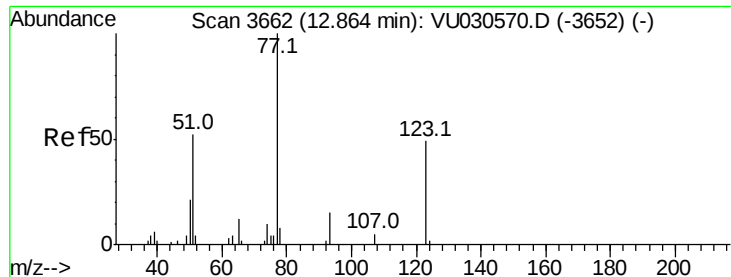
Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 0.254 ug/l

RT: 12.94 min Scan# 3687

Delta R.T. 0.08 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VBLK35

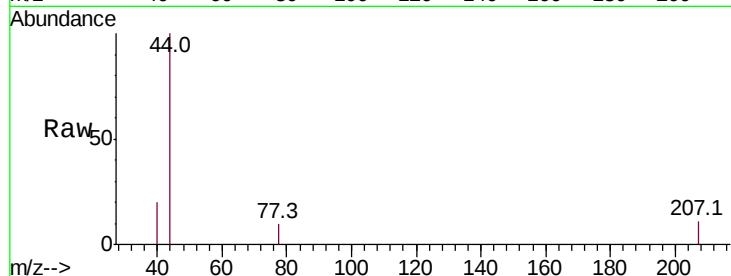
Tot Ion: 77 Resp: 50

Ion Ratio Lower Upper

77 100

123 0.0 17.5 62.1#

65 0.0 8.1 10.3#

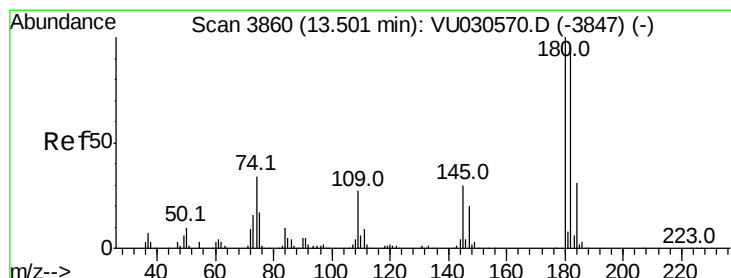
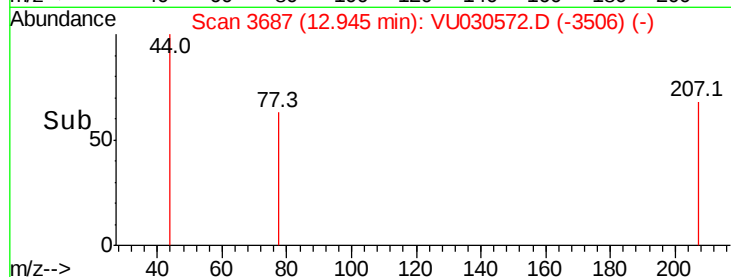
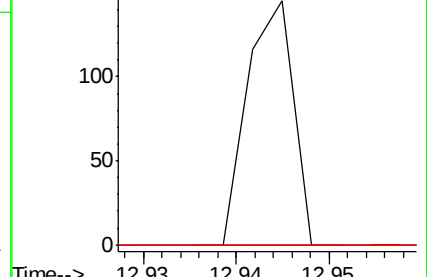


Abundance Ion 77.00 (76.70 to 77.70): VU030570.D (-3652) (-)

Ion 123.00 (122.70 to 123.70): VU030570.D (-3652) (-)

Ion 65.00 (64.70 to 65.70): VU030570.D (-3652) (-)

12.94



#87

1,2,4-Trichlorobenzene

Concen: 0.300 ug/l

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

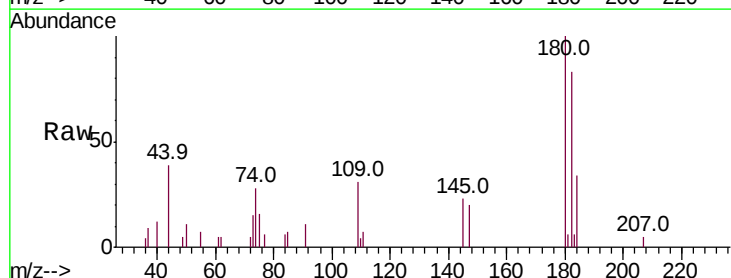
Tgt Ion: 180 Resp: 4734

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 26.0 24.3 36.5

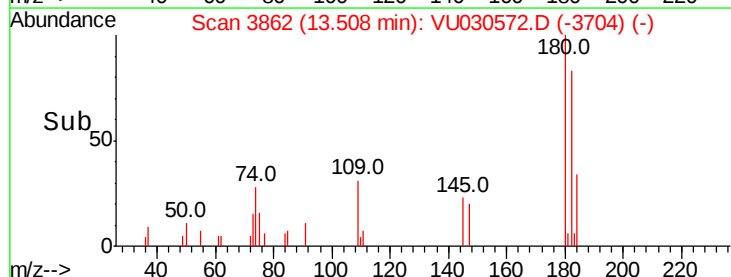
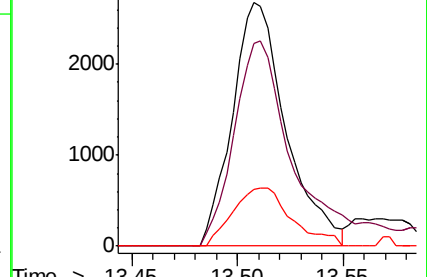


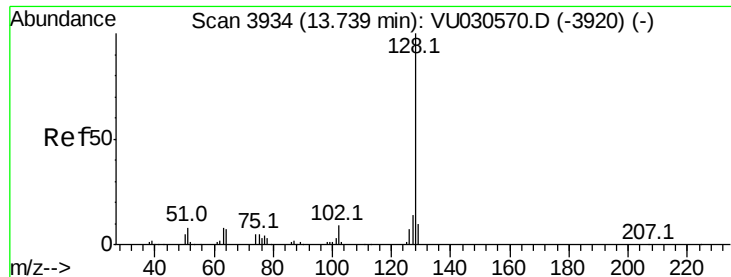
Abundance Ion 179.70 (179.40 to 180.40): VU030570.D (-3847) (-)

Ion 181.80 (181.50 to 182.50): VU030570.D (-3847) (-)

Ion 144.80 (144.50 to 145.50): VU030570.D (-3847) (-)

13.51





#89

Naphthalene

Concen: 0.594 ug/l

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VBLK35

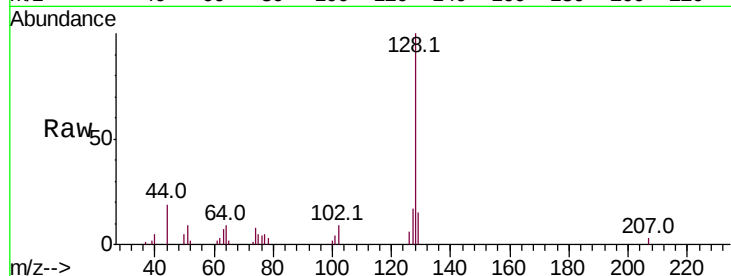
Tot Ion:128 Resp: 16347

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

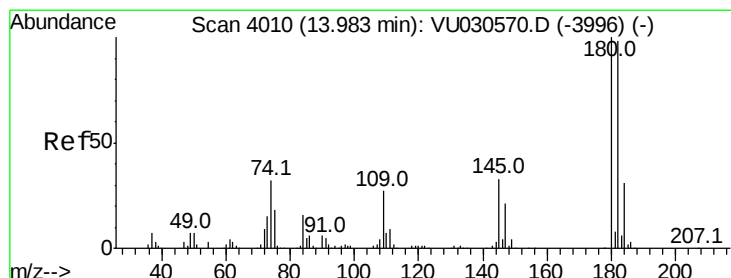
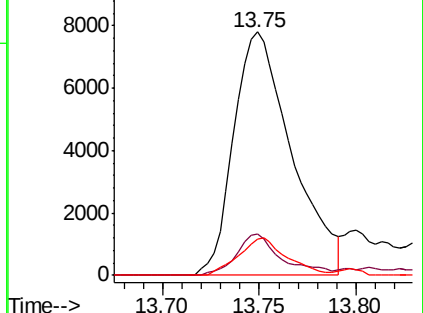
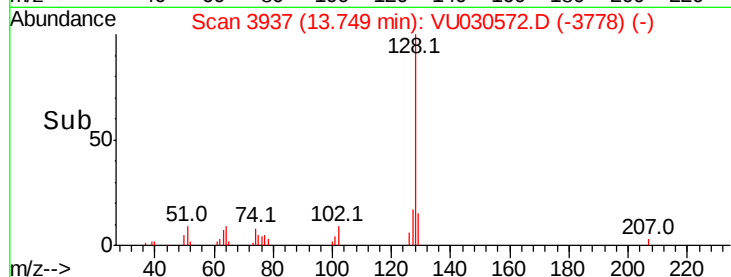
129 12.6 7.8 11.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.379 ug/l

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU030572.D

Acq: 30 Mar 2019 13:49

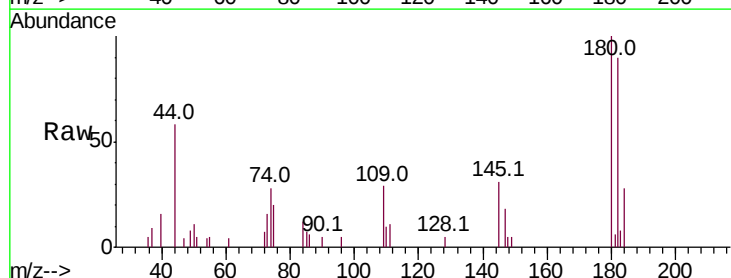
Tgt Ion:180 Resp: 5681

Ion Ratio Lower Upper

180 100

182 83.8 76.6 114.8

145 27.5 25.9 38.9



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

