

Data File : VU033382.D
Acq On : 23 Jul 2019 15:31
Operator : JC/SP
Sample : K3860-09DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

Quant Time: Jul 24 02:29:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 23 03:43:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	25292	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.30	95	8209	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	8478	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	

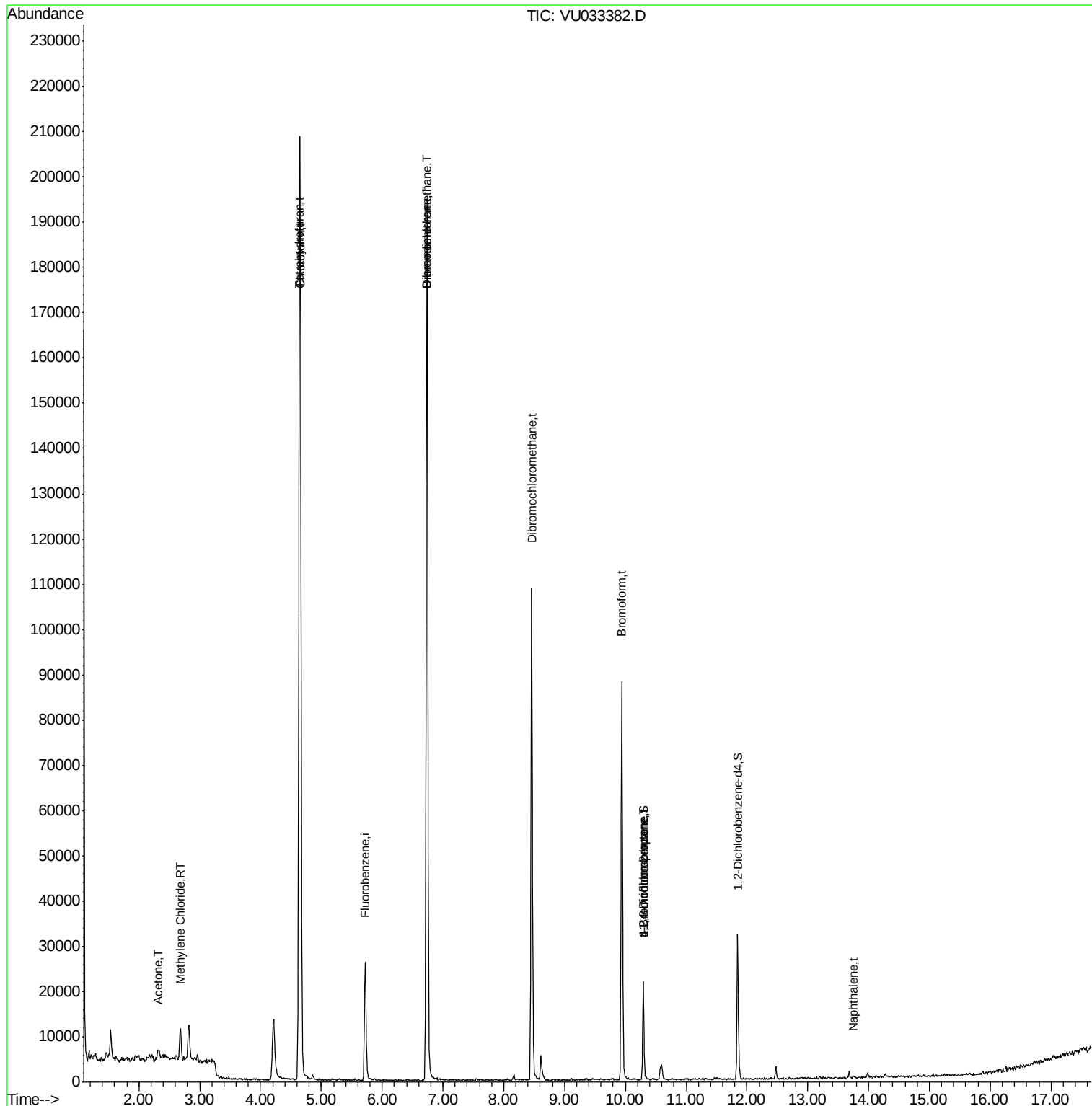
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.31	43	1733	0.810	ug/l #	85
15) Methylene Chloride	2.68	84	2730	0.225	ug/l	96
24) tert-Butyl Alcohol	2.82	59	4121	Below Cal	#	75
27) Chloroform	4.65	83	197468	12.063	ug/l	99
41) Tetrahydrofuran	4.64	42	343	0.294	ug/l #	1
43) Dibromomethane	6.74	93	3707	0.804	ug/l #	7
44) Bromodichloromethane	6.74	83	130402	11.723	ug/l	99
46) t-1,4-Dichloro-2-butene	10.29	75	3644	1.919	ug/l #	23
55) Dibromochloromethane	8.46	129	56948	7.907	ug/l	98
67) Bromoform	9.94	173	38694	9.927	ug/l	97
71) 1,2,3-Trichloropropane	10.29	75	3644	0.578	ug/l #	51
89) Naphthalene	13.75	128	317	0.671	ug/l #	69

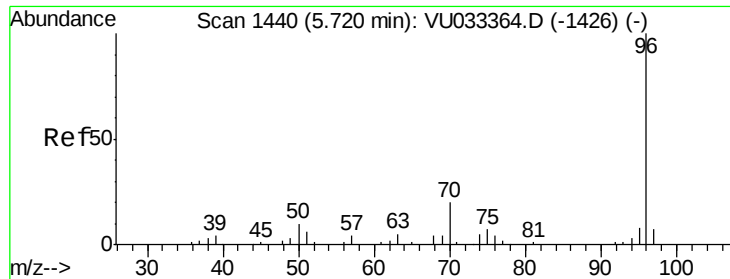
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU033382.D
Acq On : 23 Jul 2019 15:31
Operator : JC/SP
Sample : K3860-09DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

Quant Time: Jul 24 02:29:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 23 03:43:51 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033382.D

Acq: 23 Jul 2019 15:31

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

Tgt Ion: 96 Resp: 25292

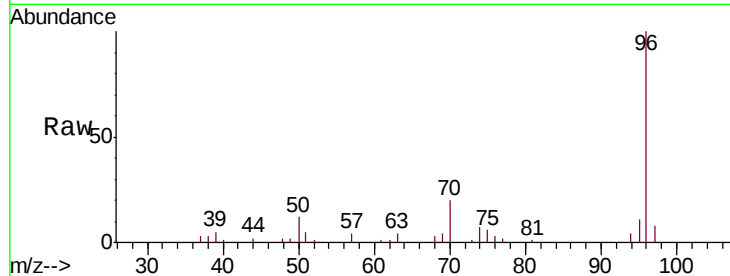
Ion Ratio Lower Upper

96 100

70 20.1 16.4 24.6

95 9.6 6.7 10.1

97 6.7 0.0 0.0#

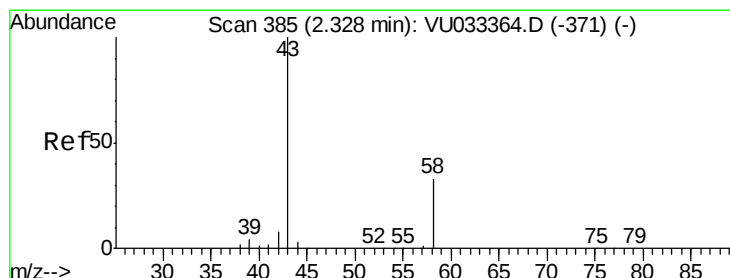
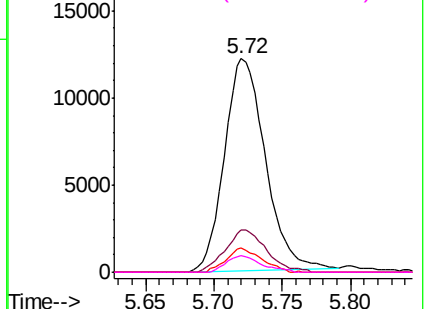
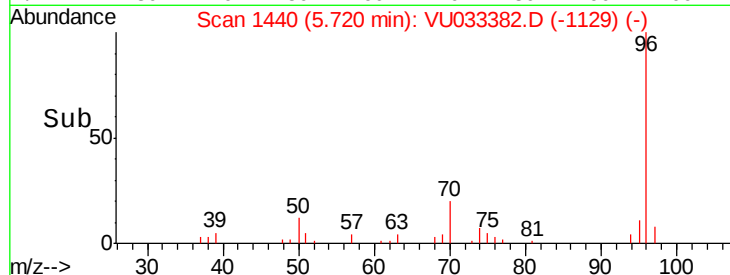


Abundance Ion 96.00 (95.70 to 96.70): VU033382.D (-1129) (-)

Ion 70.00 (69.70 to 70.70): VU033382.D (-1129) (-)

Ion 95.00 (94.70 to 95.70): VU033382.D (-1129) (-)

Ion 97.00 (96.70 to 97.70): VU033382.D (-1129) (-)



#13

Acetone

Concen: 0.810 ug/l

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU033382.D

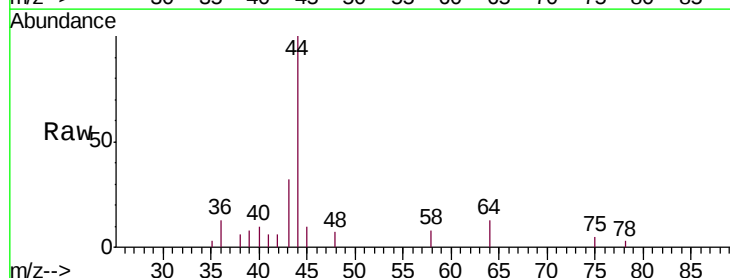
Acq: 23 Jul 2019 15:31

Tgt Ion: 43 Resp: 1733

Ion Ratio Lower Upper

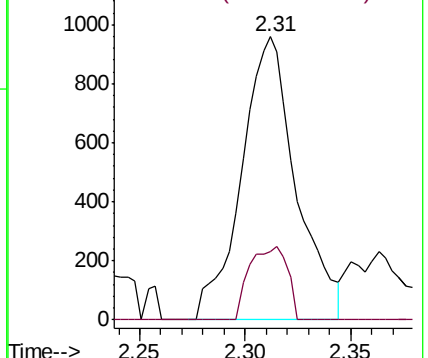
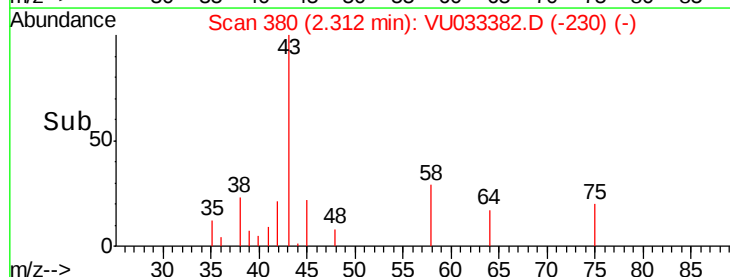
43 100

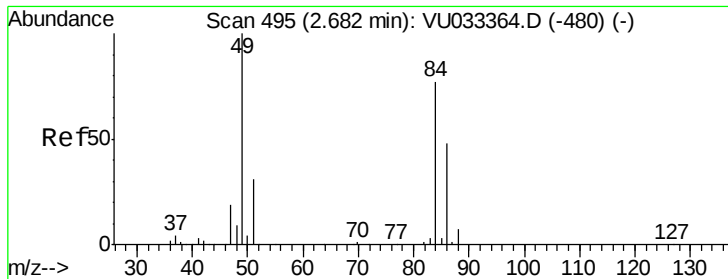
58 24.3 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VU033382.D (-230) (-)

Ion 58.00 (57.70 to 58.70): VU033382.D (-230) (-)





#15

Methylene Chloride

Concen: 0.225 ug/l

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033382.D

Acq: 23 Jul 2019 15:31

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

Tgt Ion: 84 Resp: 2730

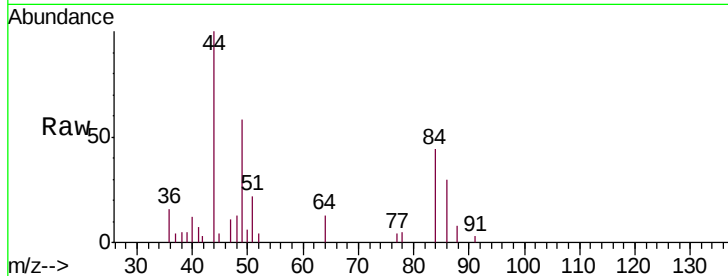
Ion Ratio Lower Upper

84 100

49 130.4 103.5 155.3

51 49.1 0.0 80.4

86 66.3 50.1 75.1

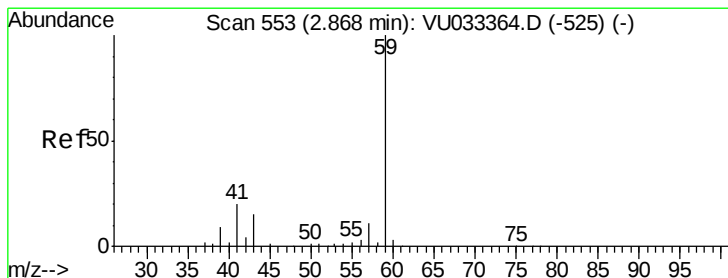
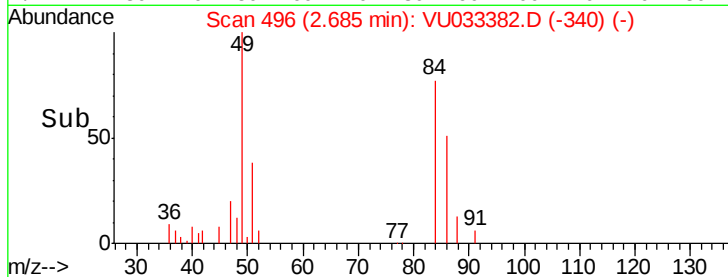
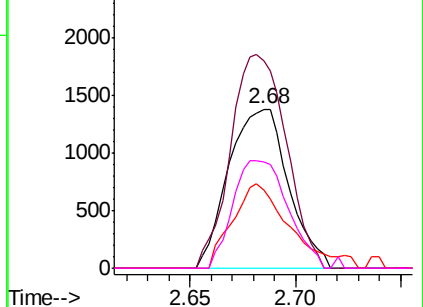


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

tert-Butyl Alcohol

Concen: Below Cal

RT: 2.82 min Scan# 538

Delta R.T. -0.05 min

Lab File: VU033382.D

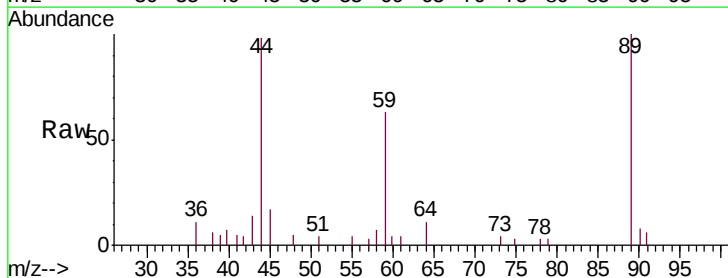
Acq: 23 Jul 2019 15:31

Tgt Ion: 59 Resp: 4121

Ion Ratio Lower Upper

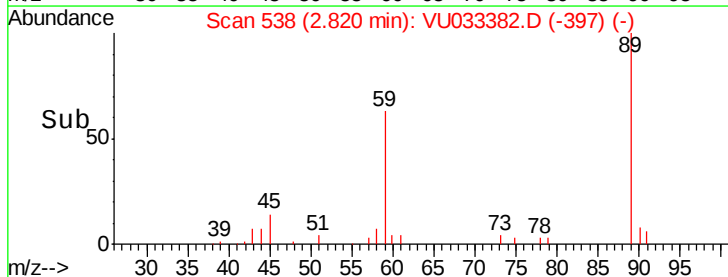
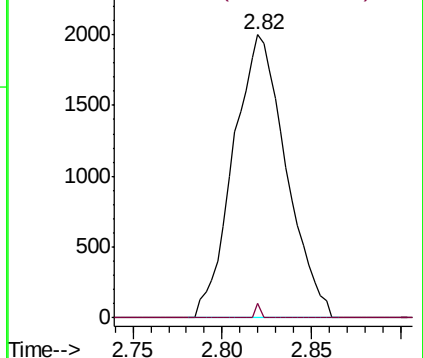
59 100

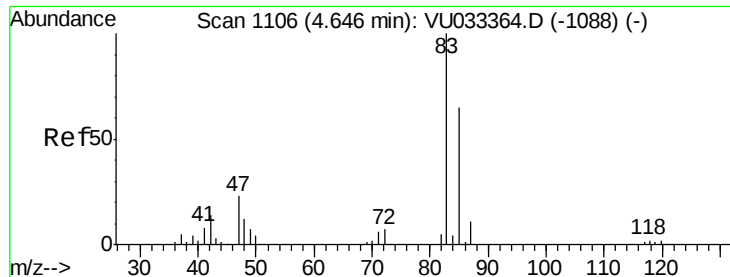
57 0.5 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

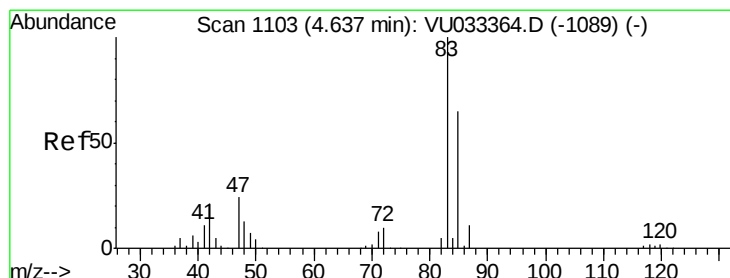
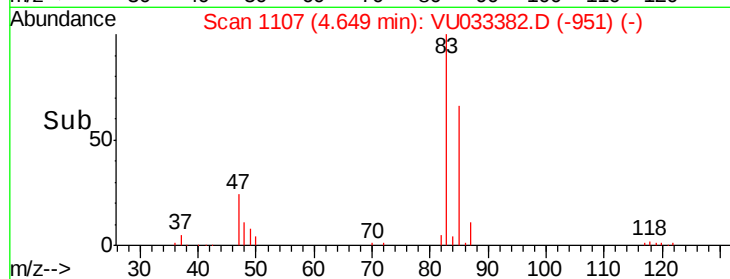
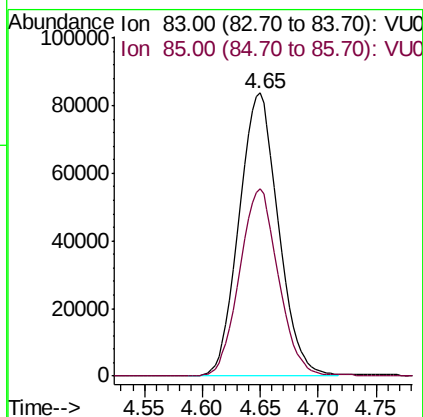
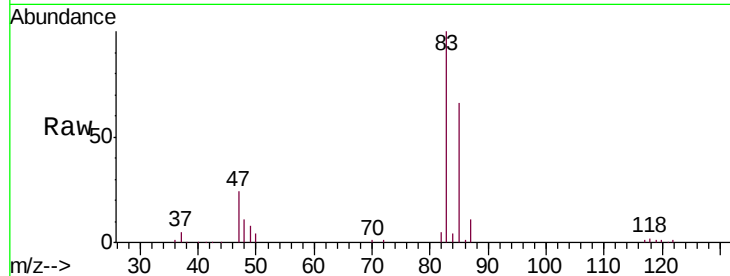




#27
Chloroform
Concen: 12.063 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033382.D
Acq: 23 Jul 2019 15:31

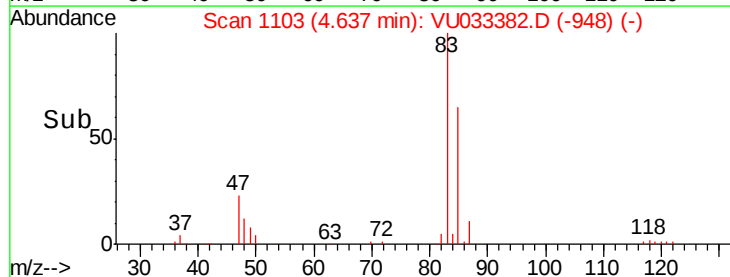
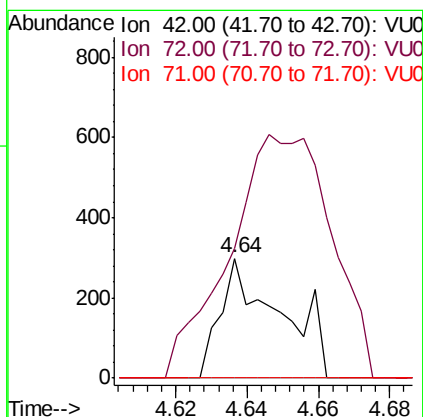
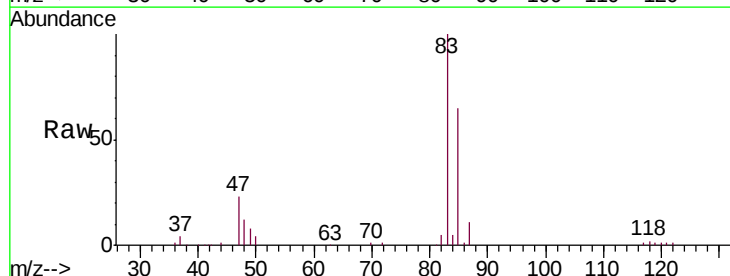
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

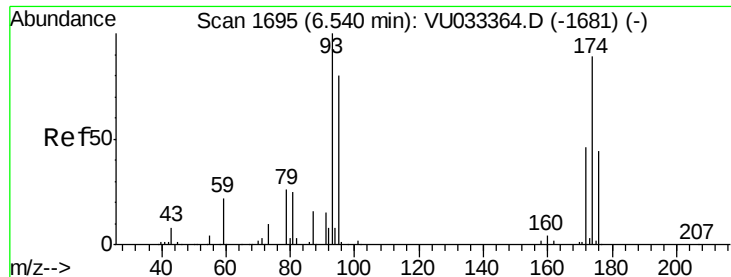
Tgt Ion: 83 Resp: 197468
Ion Ratio Lower Upper
83 100
85 66.0 0.0 129.8



#41
Tetrahydrofuran
Concen: 0.294 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VU033382.D
Acq: 23 Jul 2019 15:31

Tgt Ion: 42 Resp: 343
Ion Ratio Lower Upper
42 100
72 349.3 38.7 58.1#
71 0.0 34.6 52.0#





#43

Dibromomethane

Concen: 0.804 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.20 min

Lab File: VU033382.D

Acq: 23 Jul 2019 15:31

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

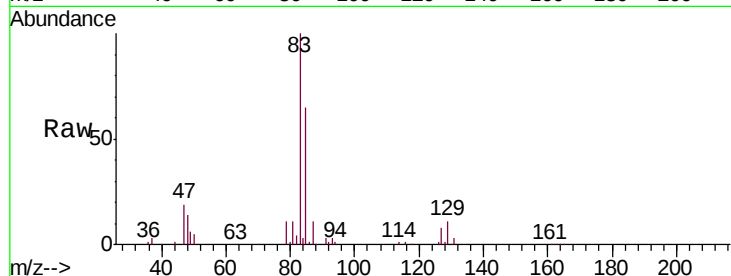
Tgt Ion: 93 Resp: 3707

Ion Ratio Lower Upper

93 100

95 0.0 65.3 97.9#

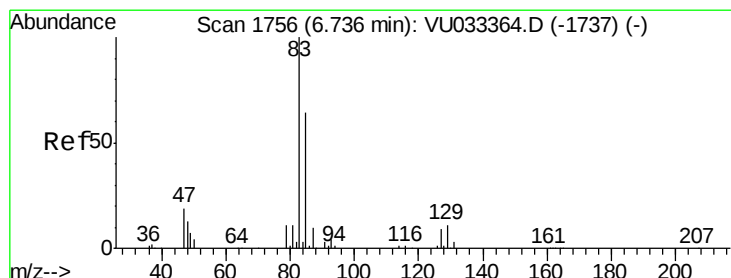
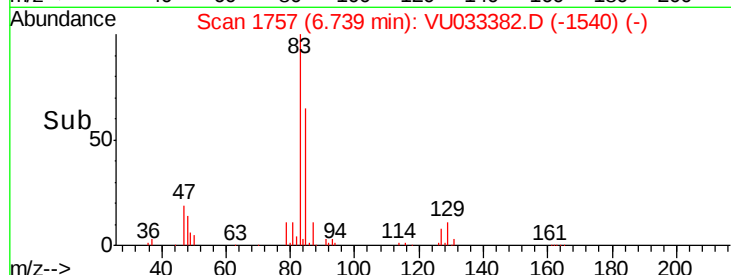
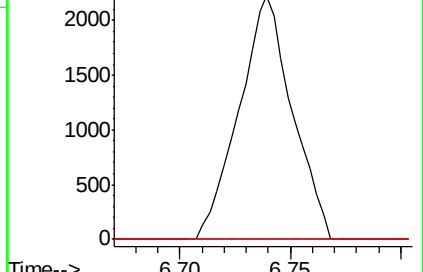
174 0.0 70.7 106.1#



Abundance Ion 93.00 (92.70 to 93.70): VU033382.D (-1540) (-)

Ion 95.00 (94.70 to 95.70): VU033382.D (-1540) (-)

Ion 174.00 (173.70 to 174.70): VU033382.D (-1540) (-)



#44

Bromodichloromethane

Concen: 11.723 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033382.D

Acq: 23 Jul 2019 15:31

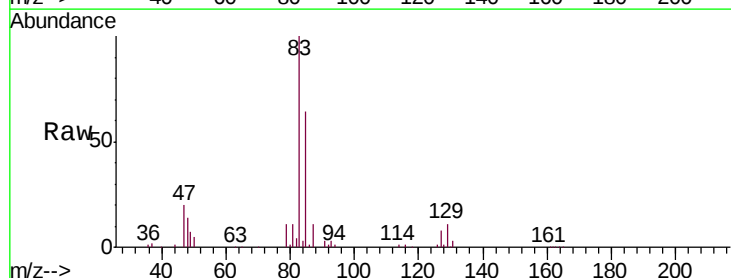
Tgt Ion: 83 Resp: 130402

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

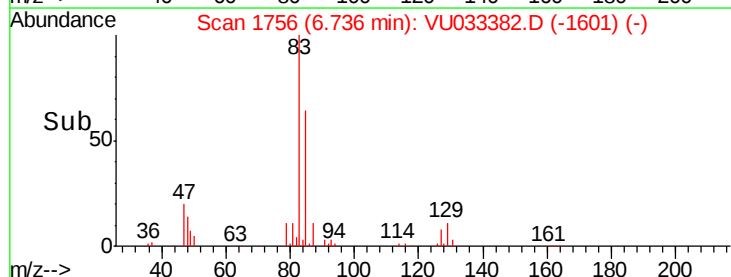
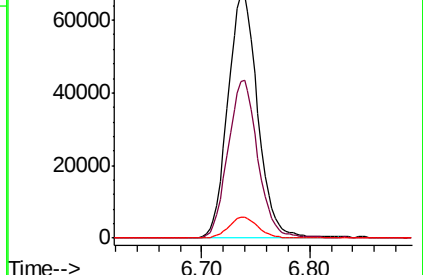
127 8.5 7.2 10.8

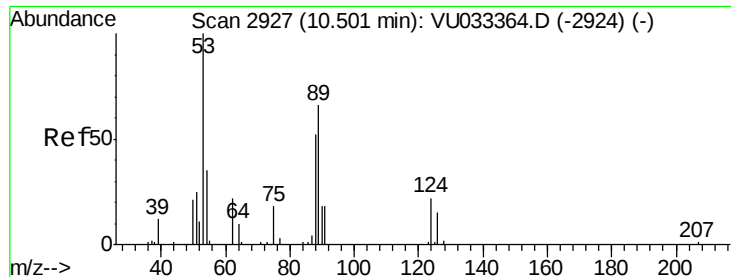


Abundance Ion 83.00 (82.70 to 83.70): VU033382.D (-1601) (-)

Ion 85.00 (84.70 to 85.70): VU033382.D (-1601) (-)

Ion 127.00 (126.70 to 127.70): VU033382.D (-1601) (-)

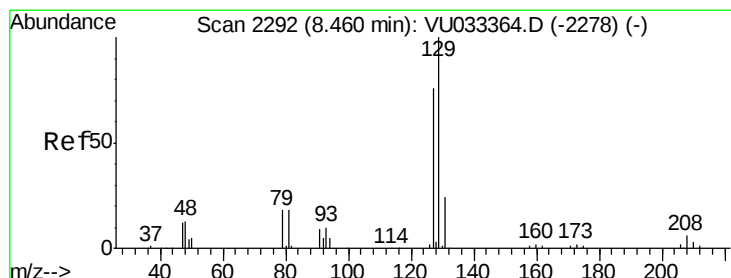
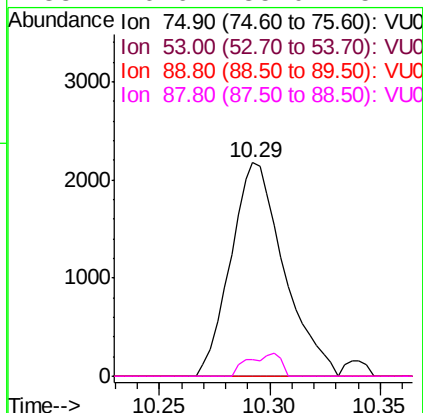
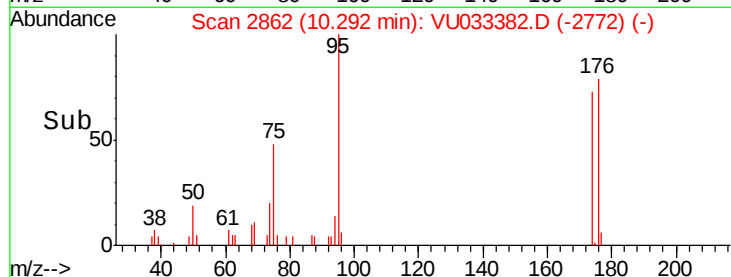
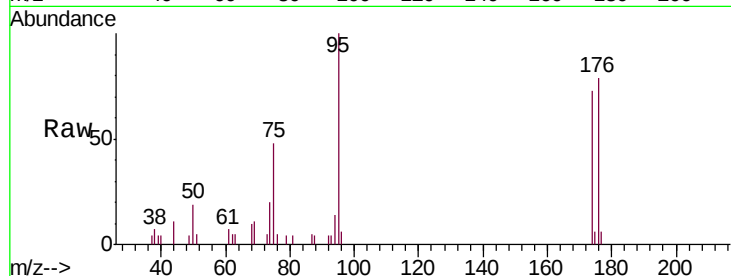




#46
t-1,4-Dichloro-2-butene
Concen: 1.919 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.21 min
Lab File: VU033382.D
Acq: 23 Jul 2019 15:31

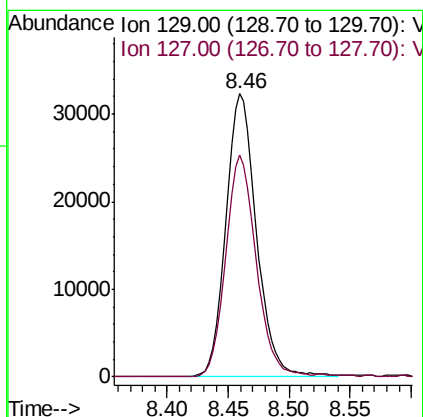
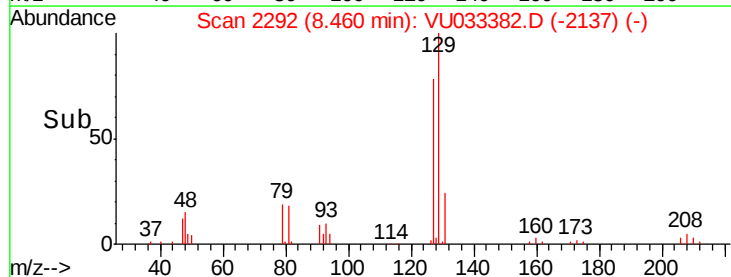
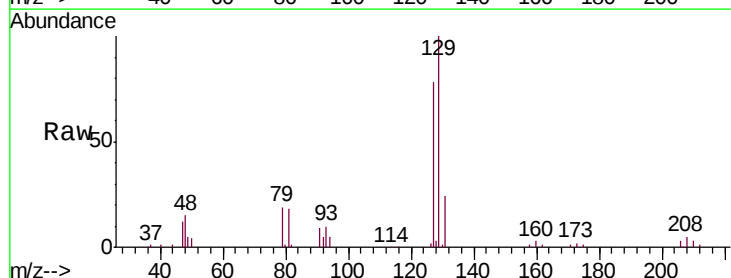
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

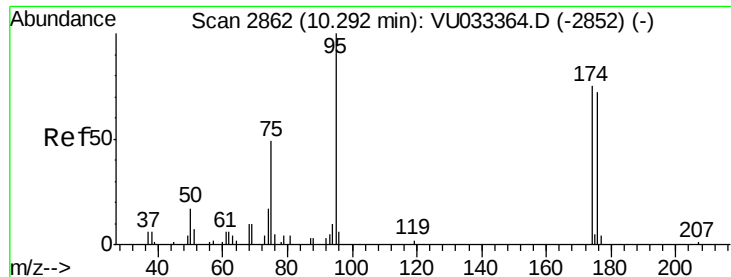
Tgt Ion: 75 Resp: 3644
Ion Ratio Lower Upper
75 100
53 0.0 62.9 94.3#
89 0.0 43.0 64.4#
88 6.6 35.0 52.4#



#55
Dibromochloromethane
Concen: 7.907 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033382.D
Acq: 23 Jul 2019 15:31

Tgt Ion: 129 Resp: 56948
Ion Ratio Lower Upper
129 100
127 77.8 60.9 91.3





#57

4-Bromofluorobenzene

Concen: 0.827 ug/l

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU033382.D

Acq: 23 Jul 2019 15:31

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

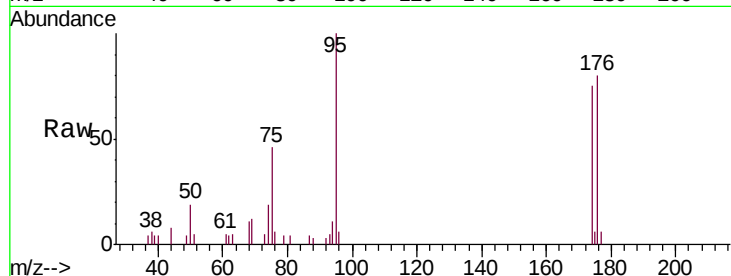
Tgt Ion: 95 Resp: 8209

Ion Ratio Lower Upper

95 100

174 72.9 58.8 88.2

176 73.7 54.4 81.6

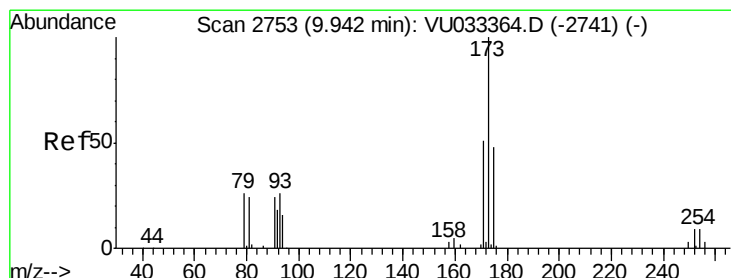
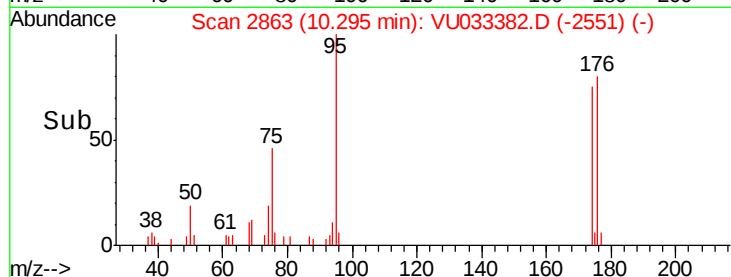


Abundance Ion 95.00 (94.70 to 95.70): VU033364.D (-2852) (-)

Ion 174.00 (173.70 to 174.70): VU033364.D (-2852) (-)

Ion 176.00 (175.70 to 176.70): VU033364.D (-2852) (-)

Time-->



#67

Bromoform

Concen: 9.927 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033382.D

Acq: 23 Jul 2019 15:31

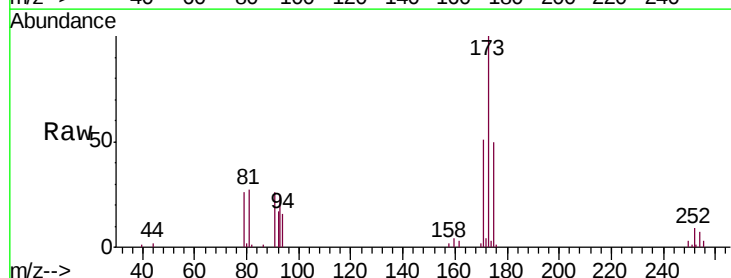
Tgt Ion: 173 Resp: 38694

Ion Ratio Lower Upper

173 100

175 50.4 38.6 58.0

254 7.8 6.8 10.2

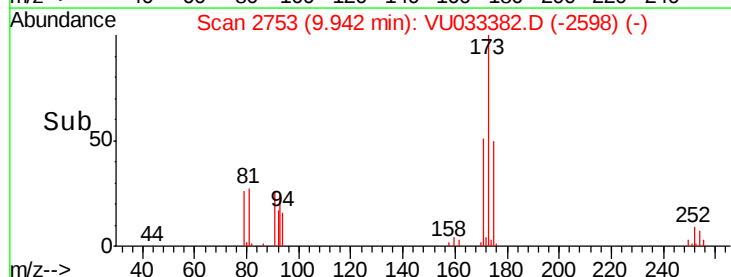


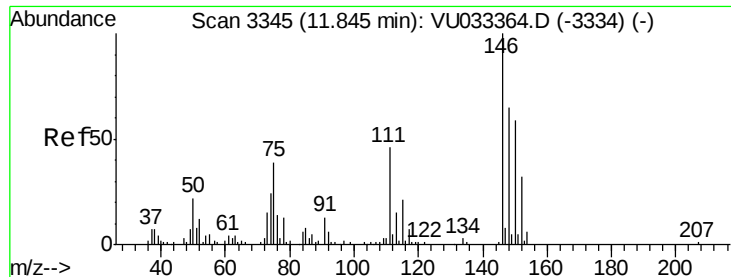
Abundance Ion 172.90 (172.60 to 173.60): VU033364.D (-2741) (-)

Ion 174.90 (174.60 to 175.60): VU033364.D (-2741) (-)

Ion 253.75 (253.45 to 254.45): VU033364.D (-2741) (-)

Time-->





#68

1,2-Dichlorobenzene-d4

Concen: 0.827 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033382.D

Acq: 23 Jul 2019 15:31

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

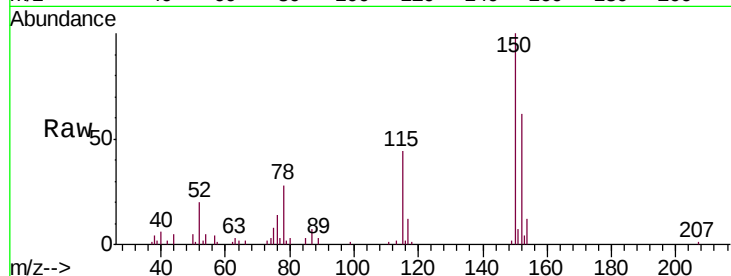
Tgt Ion:152 Resp: 8478

Ion Ratio Lower Upper

152 100

115 70.3 0.0 123.2

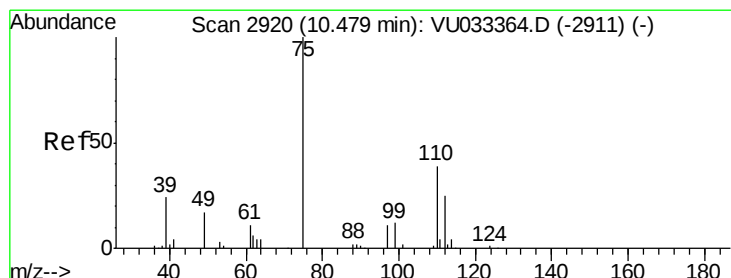
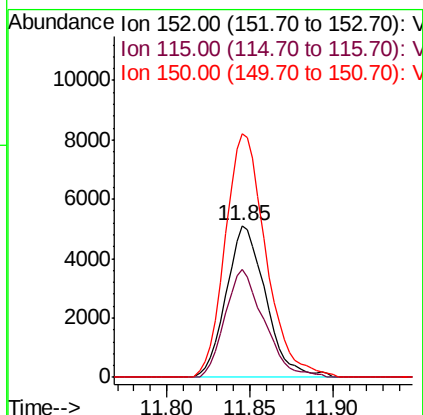
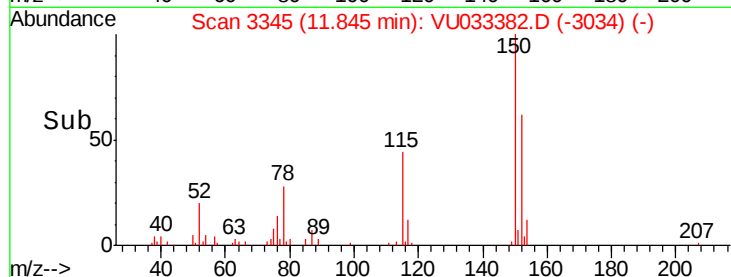
150 165.6 0.0 648.4



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: 0.578 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.19 min

Lab File: VU033382.D

Acq: 23 Jul 2019 15:31

Tgt Ion: 75 Resp: 3644

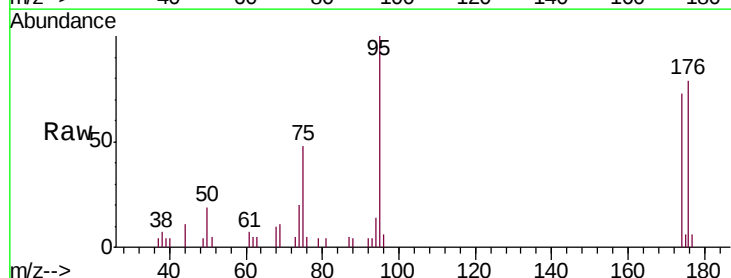
Ion Ratio Lower Upper

75 100

77 3.8 0.0 18.2

110 0.0 0.0 71.4

97 0.0 0.0 37.8

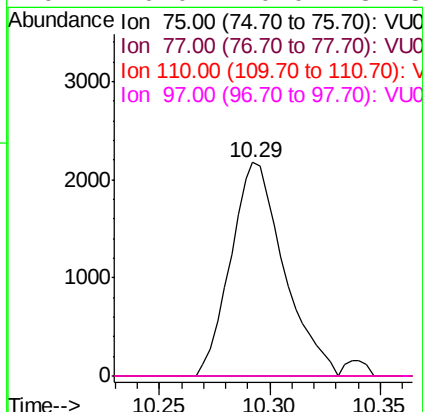
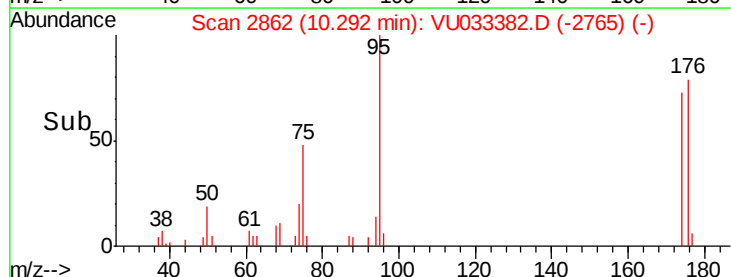


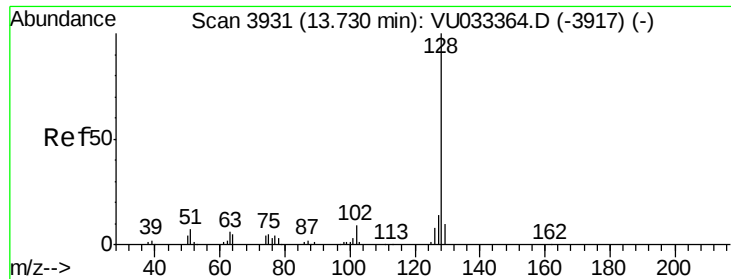
Abundance Ion 75.00 (74.70 to 75.70): VU0

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





#89

Naphthalene

Concen: 0.671 ug/l

RT: 13.75 min Scan# 3936

Delta R.T. 0.02 min

Lab File: VU033382.D

Acq: 23 Jul 2019 15:31

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

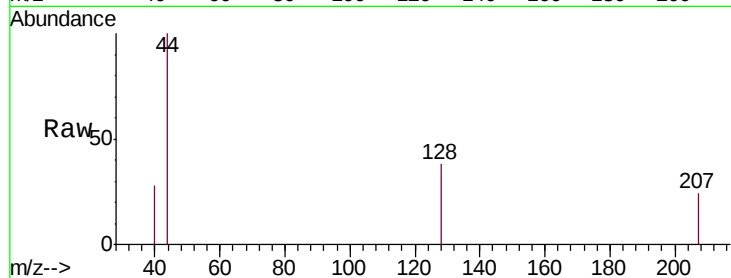
Tgt Ion:128 Resp: 317

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.5 12.7#



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

