

Data File : VU033378.D
Acq On : 23 Jul 2019 13:43
Operator : JC/SP
Sample : K3860-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WS

Quant Time: Jul 24 02:28:07 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

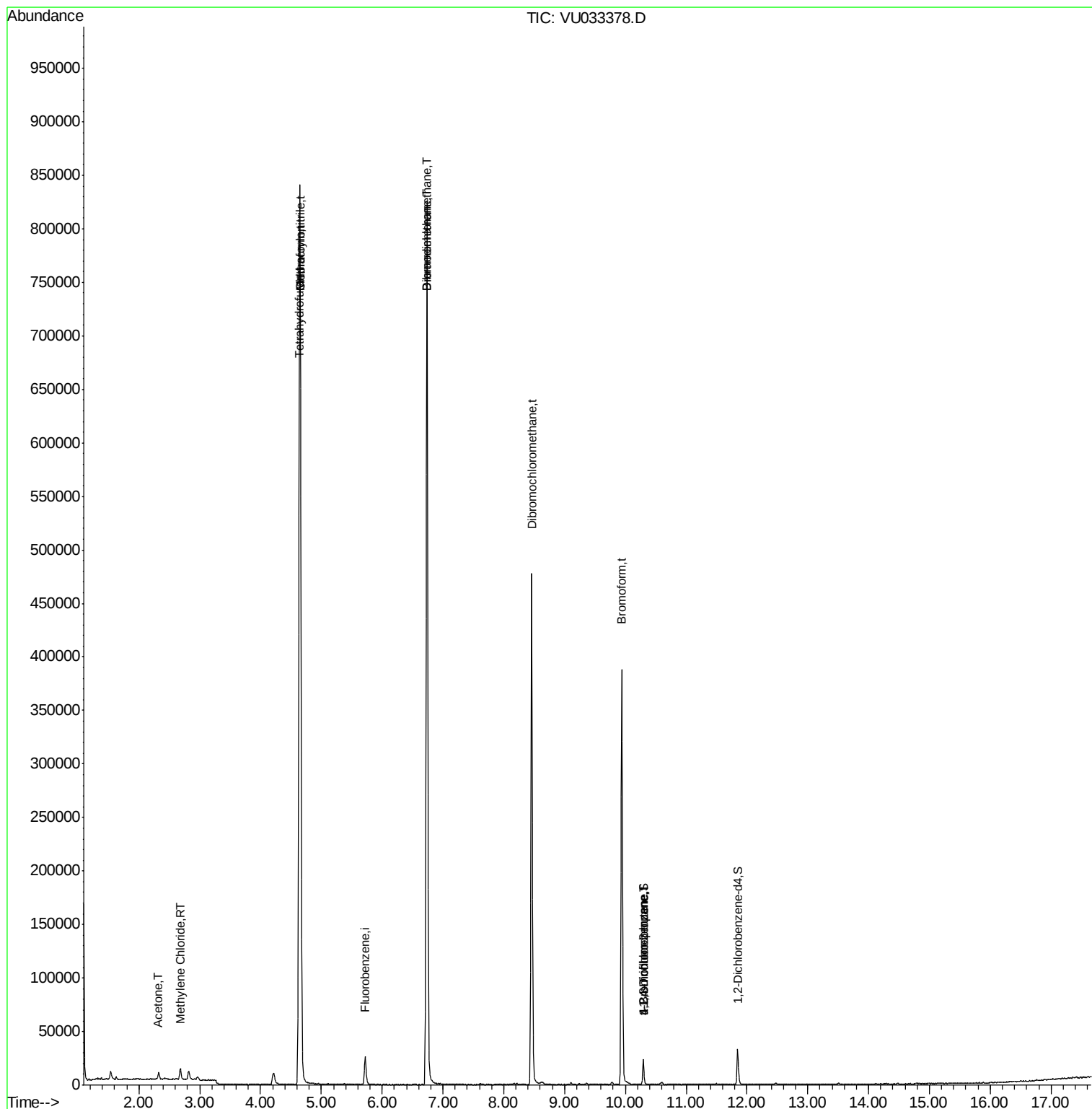
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	25068	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	8173	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	9038	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
Target Compounds						
					Qvalue	
13) Acetone	2.31	43	1286	0.606	ug/l	95
15) Methylene Chloride	2.68	84	4125	0.343	ug/l	96
24) tert-Butyl Alcohol	2.82	59	4558	Below Cal	#	73
27) Chloroform	4.65	83	789516	48.661	ug/l	100
39) Methacrylonitrile	4.65	41	1972	0.855	ug/l #	20
41) Tetrahydrofuran	4.63	42	356	0.308	ug/l #	30
43) Dibromomethane	6.74	93	17702	3.871	ug/l #	8
44) Bromodichloromethane	6.74	83	537666	48.769	ug/l	99
46) t-1,4-Dichloro-2-butene	10.30	75	4315	2.293	ug/l #	21
55) Dibromochloromethane	8.46	129	243929	34.172	ug/l	99
67) Bromoform	9.94	173	169104	43.772	ug/l	100
71) 1,2,3-Trichloropropane	10.30	75	4315	0.690	ug/l #	50

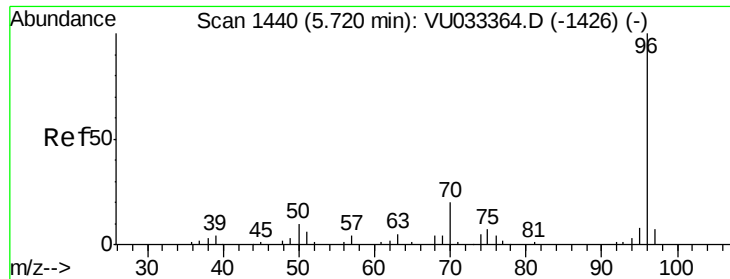
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU033378.D
Acq On : 23 Jul 2019 13:43
Operator : JC/SP
Sample : K3860-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WS

Quant Time: Jul 24 02:28:07 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# 1441

Delta R.T. 0.00 min

Lab File: VU033378.D

Acq: 23 Jul 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WS

Tgt Ion: 96 Resp: 25068

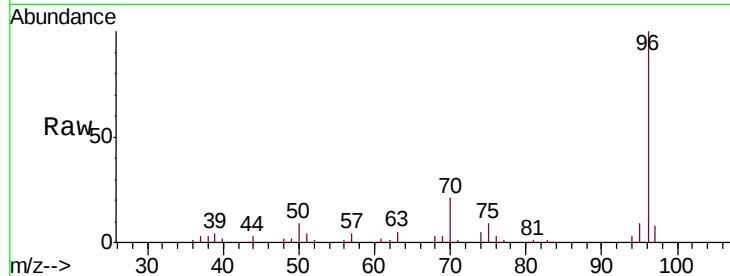
Ion Ratio Lower Upper

96 100

70 19.8 16.4 24.6

95 9.1 6.7 10.1

97 6.9 0.0 0.0#

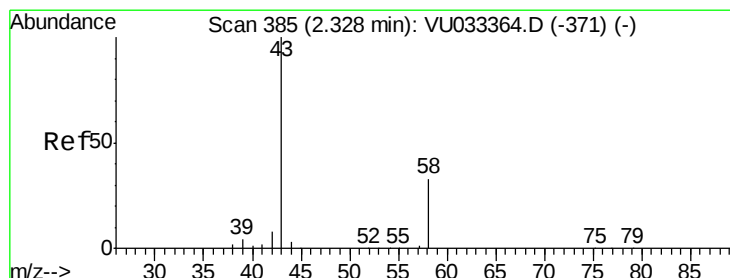
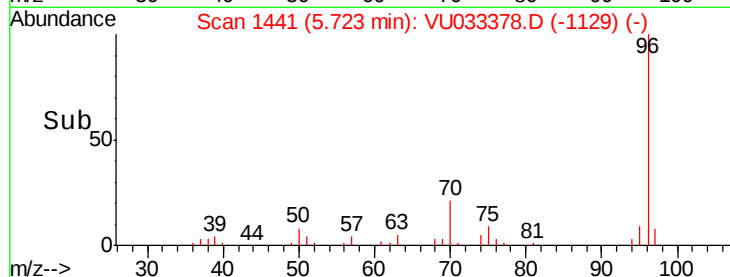
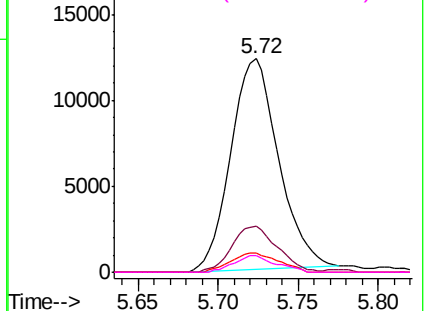


Abundance Ion 96.00 (95.70 to 96.70): VU0

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



#13

Acetone

Concen: 0.606 ug/l

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU033378.D

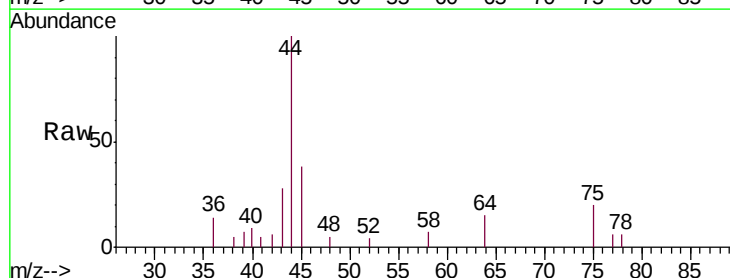
Acq: 23 Jul 2019 13:43

Tgt Ion: 43 Resp: 1286

Ion Ratio Lower Upper

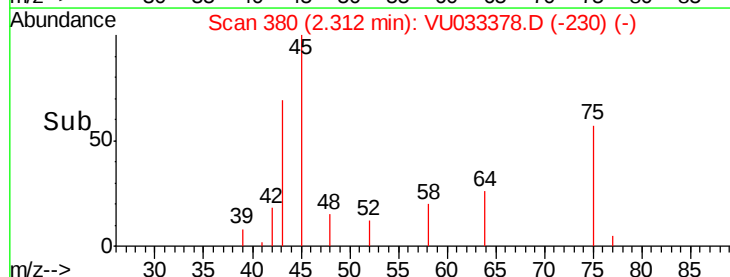
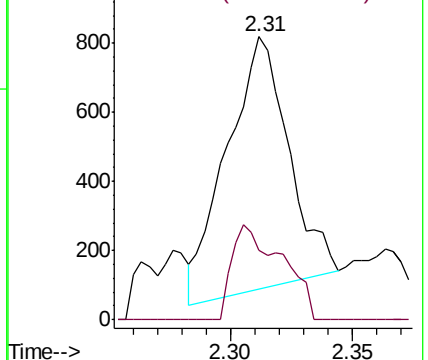
43 100

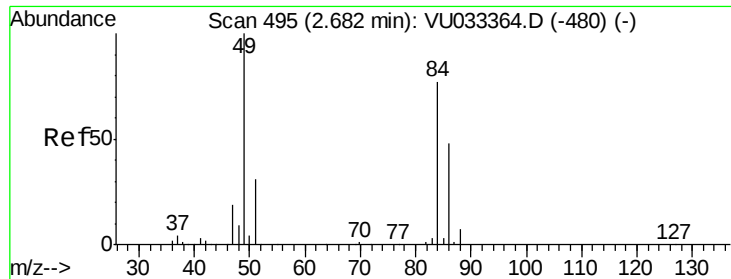
58 29.8 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

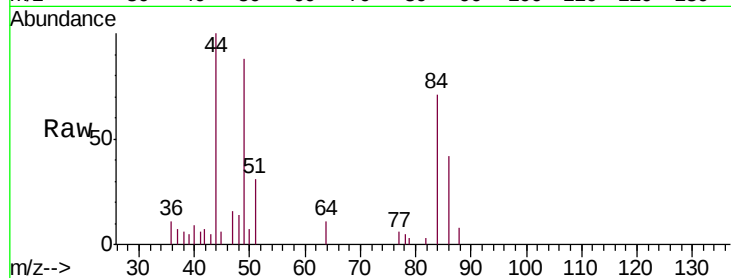




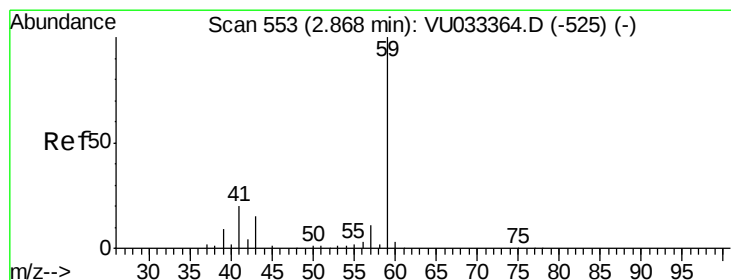
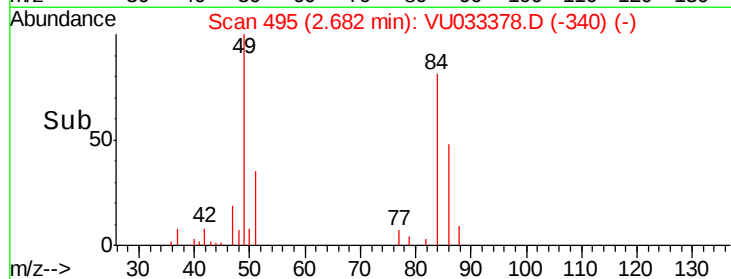
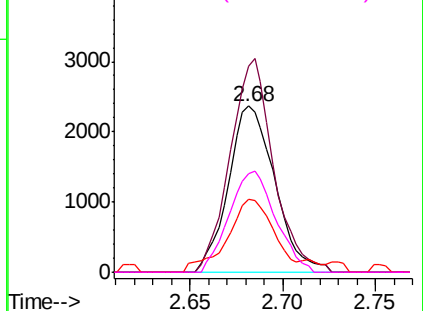
#15
Methylene Chloride
Concen: 0.343 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033378.D
Acq: 23 Jul 2019 13:43

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WS

Tgt Ion:	84	Resp:	4125
Ion	Ratio	Lower	Upper
84	100		
49	124.1	103.5	155.3
51	38.6	0.0	80.4
86	59.2	50.1	75.1

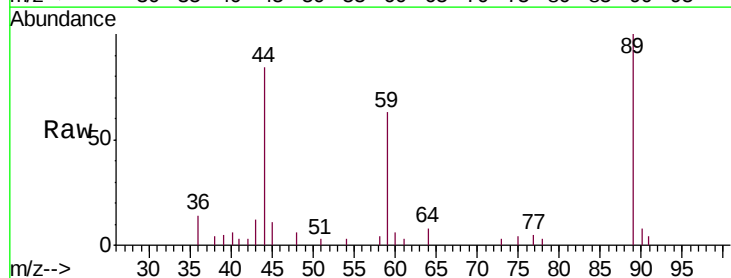


Abundance Ion 84.00 (83.70 to 84.70): VU033378.D (-340) (-)

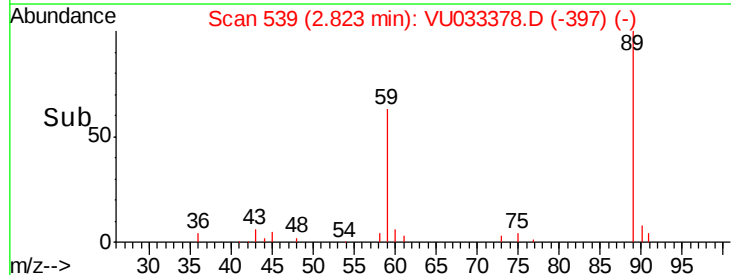
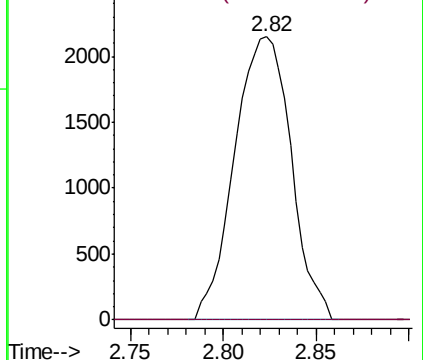


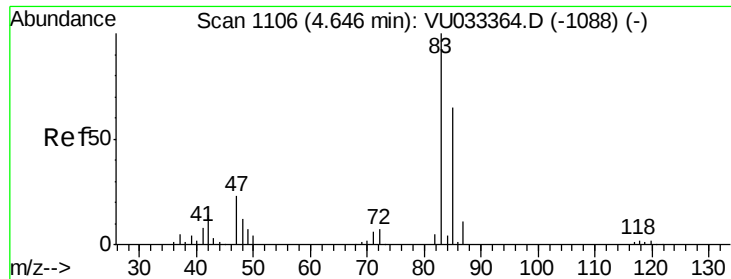
#24
tert-Butyl Alcohol
Concen: Below Cal
RT: 2.82 min Scan# 539
Delta R.T. -0.04 min
Lab File: VU033378.D
Acq: 23 Jul 2019 13:43

Tgt Ion:	59	Resp:	4558
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU033378.D (-397) (-)

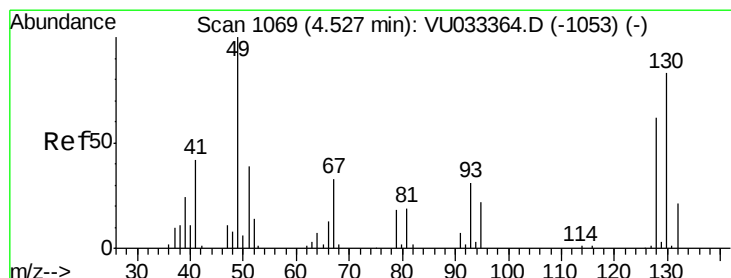
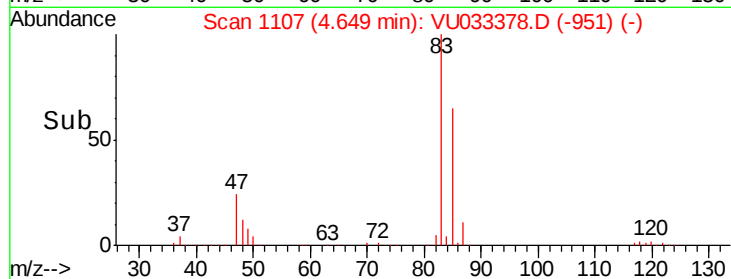
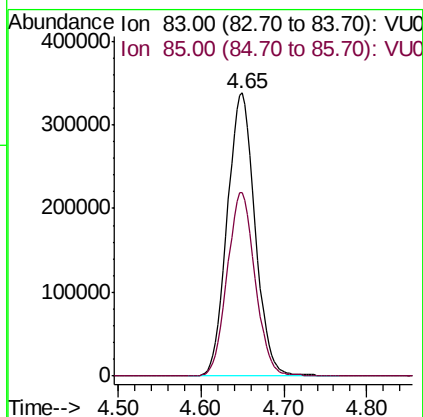
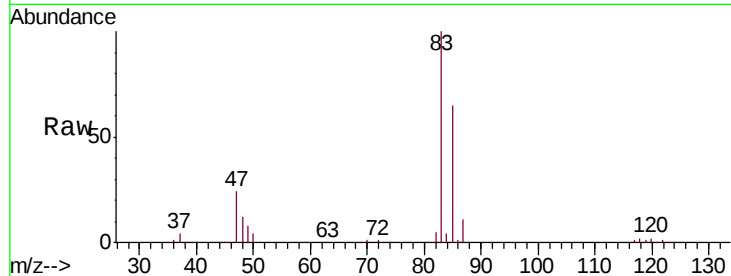




#27
Chloroform
Concen: 48.661 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033378.D
Acq: 23 Jul 2019 13:43

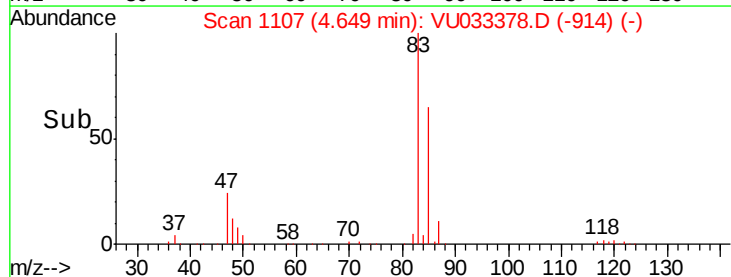
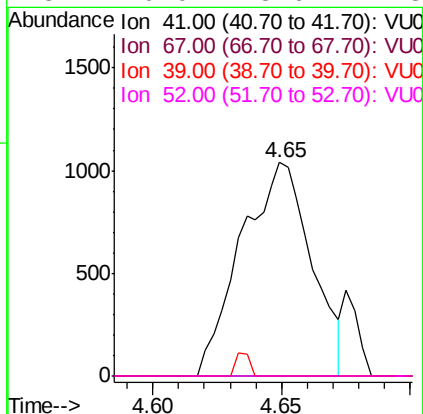
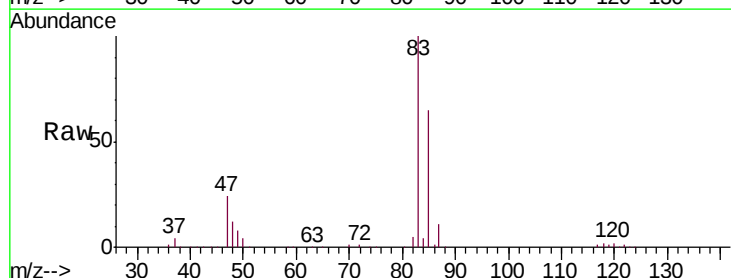
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WS

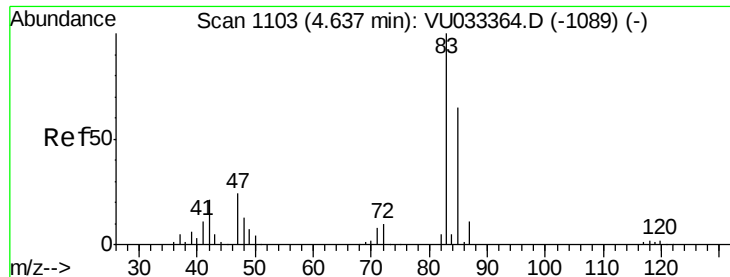
Tgt Ion: 83 Resp: 789516
Ion Ratio Lower Upper
83 100
85 64.9 0.0 129.8



#39
Methacrylonitrile
Concen: 0.855 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.12 min
Lab File: VU033378.D
Acq: 23 Jul 2019 13:43

Tgt Ion: 41 Resp: 1972
Ion Ratio Lower Upper
41 100
67 0.0 64.4 96.6#
39 2.1 46.8 70.2#
52 0.0 28.6 42.8#





#41

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 4.63 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VU033378.D

Acq: 23 Jul 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WS

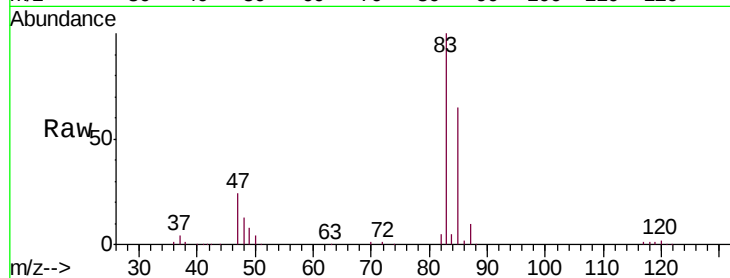
Tgt Ion: 42 Resp: 356

Ion Ratio Lower Upper

42 100

72 0.0 38.7 58.1#

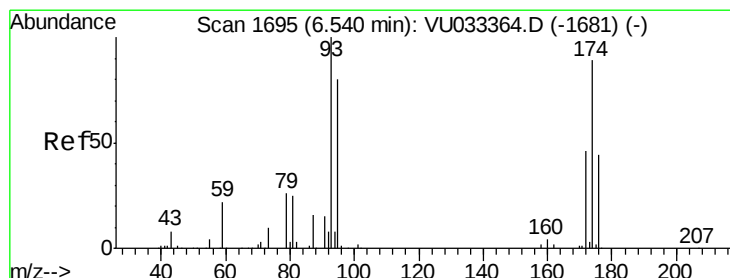
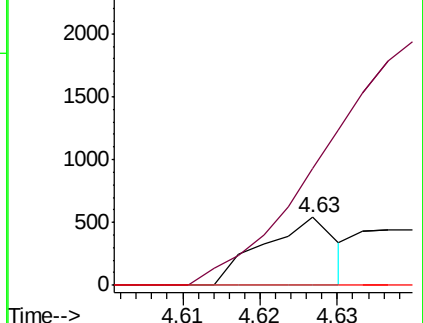
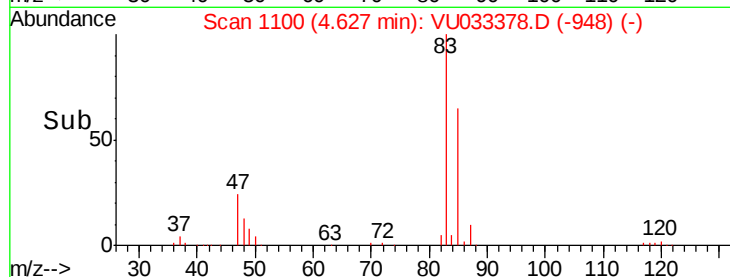
71 0.0 34.6 52.0#



Abundance Ion 42.00 (41.70 to 42.70): VU033378.D (-948) (-)

Ion 72.00 (71.70 to 72.70): VU033378.D (-948) (-)

Ion 71.00 (70.70 to 71.70): VU033378.D (-948) (-)



#43

Dibromomethane

Concen: 3.871 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.20 min

Lab File: VU033378.D

Acq: 23 Jul 2019 13:43

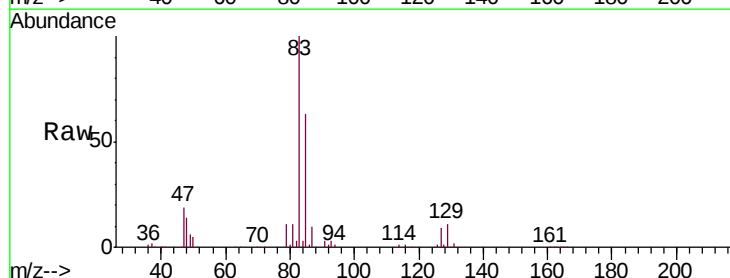
Tgt Ion: 93 Resp: 17702

Ion Ratio Lower Upper

93 100

95 1.1 65.3 97.9#

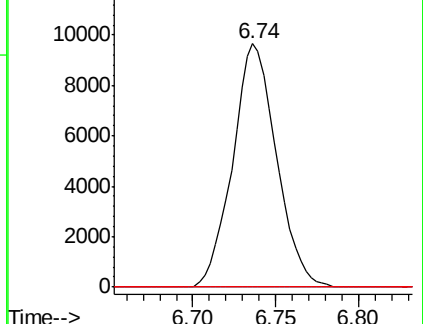
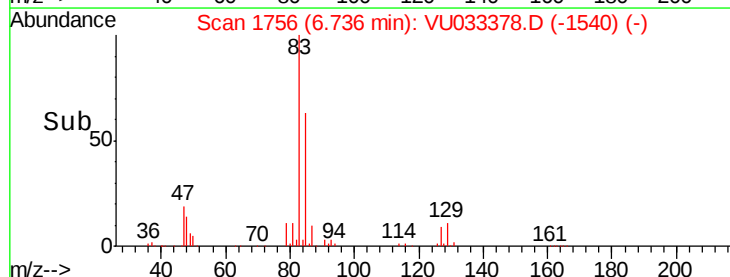
174 1.3 70.7 106.1#

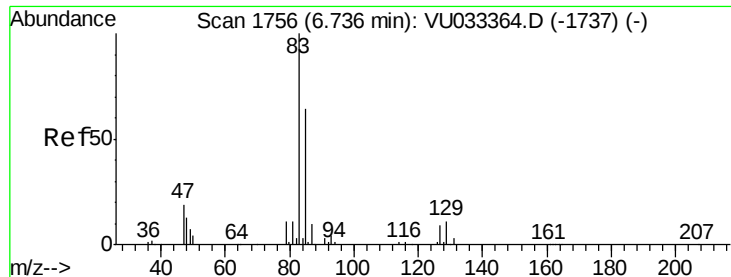


Abundance Ion 93.00 (92.70 to 93.70): VU033378.D (-1540) (-)

Ion 95.00 (94.70 to 95.70): VU033378.D (-1540) (-)

Ion 174.00 (173.70 to 174.70): VU033378.D (-1540) (-)





#44

Bromodichloromethane

Concen: 48.769 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033378.D

Acq: 23 Jul 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WS

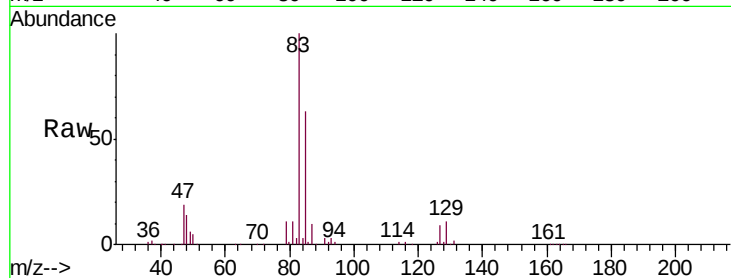
Tgt Ion: 83 Resp: 537666

Ion Ratio Lower Upper

83 100

85 63.4 51.1 76.7

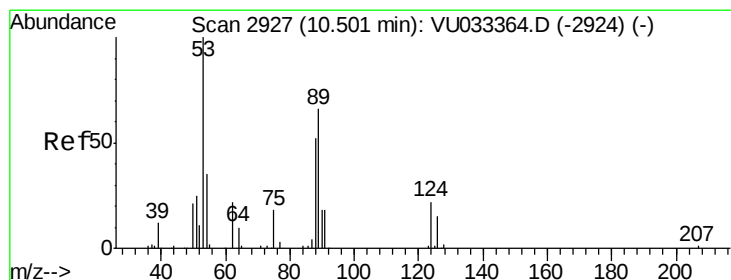
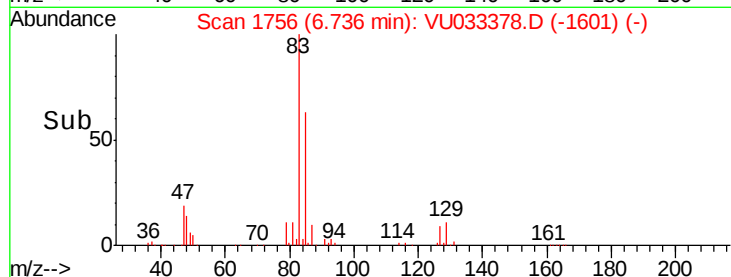
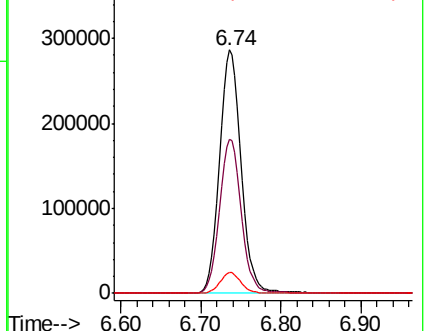
127 8.7 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VU033364.D (-1737) (-)

Ion 85.00 (84.70 to 85.70): VU033364.D (-1737) (-)

Ion 127.00 (126.70 to 127.70): VU033364.D (-1737) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 2.293 ug/l

RT: 10.30 min Scan# 2863

Delta R.T. -0.21 min

Lab File: VU033378.D

Acq: 23 Jul 2019 13:43

Tgt Ion: 75 Resp: 4315

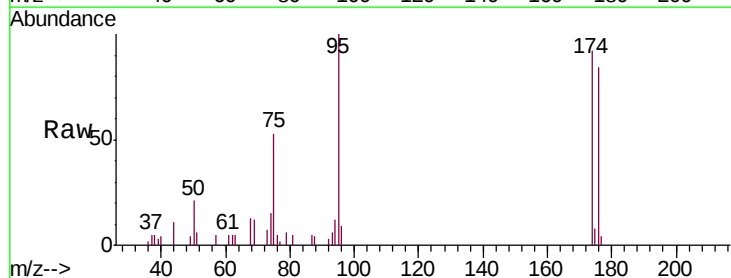
Ion Ratio Lower Upper

75 100

53 0.0 62.9 94.3#

89 0.0 43.0 64.4#

88 3.3 35.0 52.4#

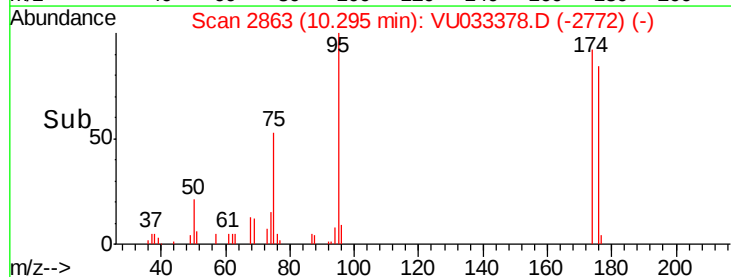
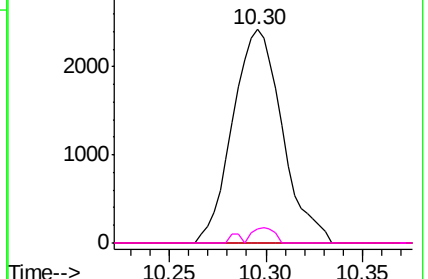


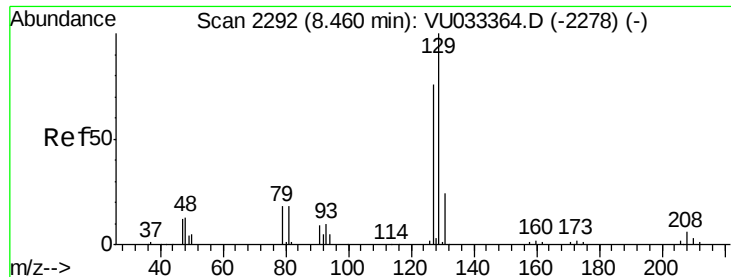
Abundance Ion 74.90 (74.60 to 75.60): VU033364.D (-2924) (-)

Ion 53.00 (52.70 to 53.70): VU033364.D (-2924) (-)

Ion 88.80 (88.50 to 89.50): VU033364.D (-2924) (-)

Ion 87.80 (87.50 to 88.50): VU033364.D (-2924) (-)

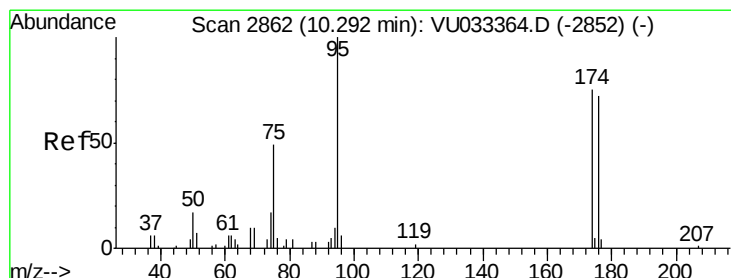
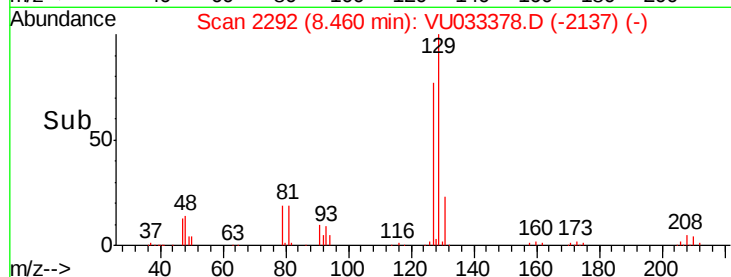
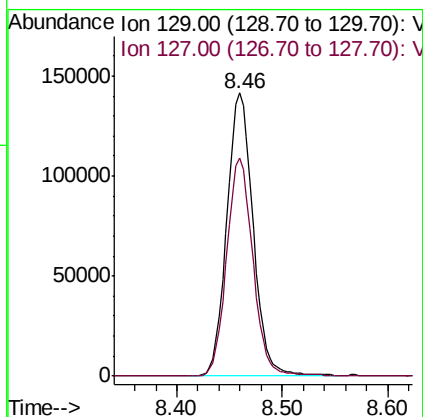
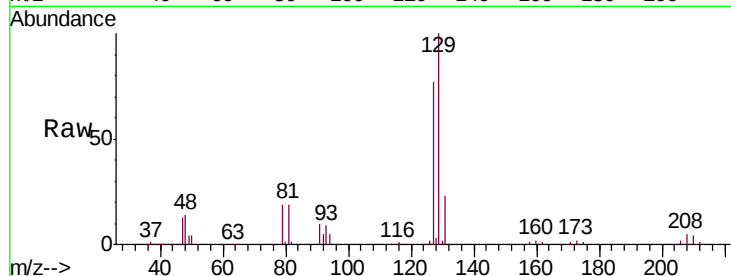




#55
Dibromochloromethane
Concen: 34.172 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033378.D
Acq: 23 Jul 2019 13:43

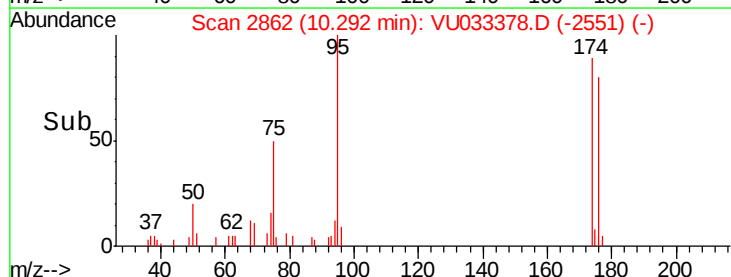
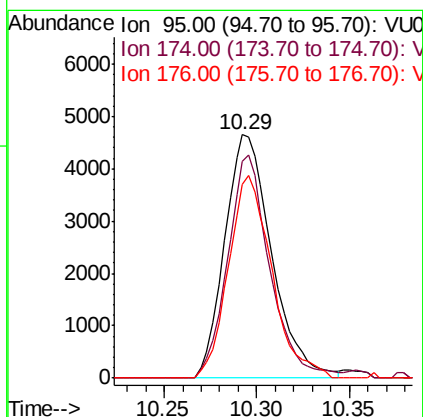
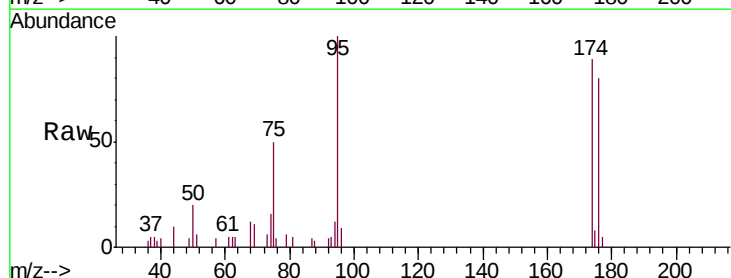
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WS

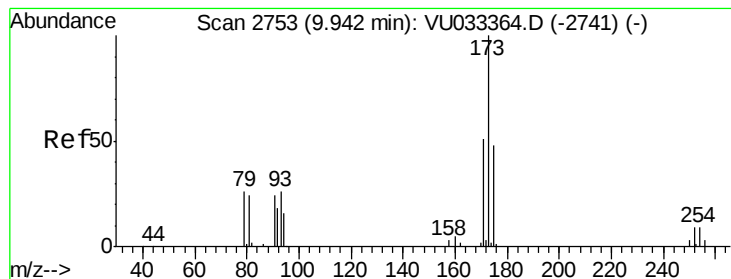
Tgt Ion: 129 Resp: 243929
Ion Ratio Lower Upper
129 100
127 77.0 60.9 91.3



#57
4-Bromofluorobenzene
Concen: 0.831 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033378.D
Acq: 23 Jul 2019 13:43

Tgt Ion: 95 Resp: 8173
Ion Ratio Lower Upper
95 100
174 82.3 58.8 88.2
176 77.1 54.4 81.6





#67

Bromoform

Concen: 43.772 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033378.D

Acq: 23 Jul 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WS

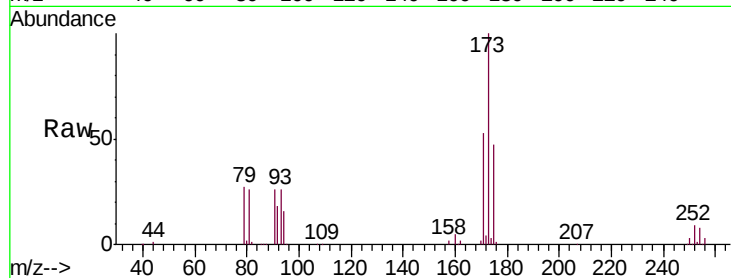
Tgt Ion:173 Resp: 169104

Ion Ratio Lower Upper

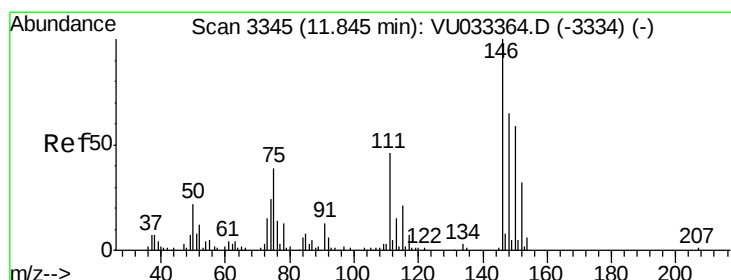
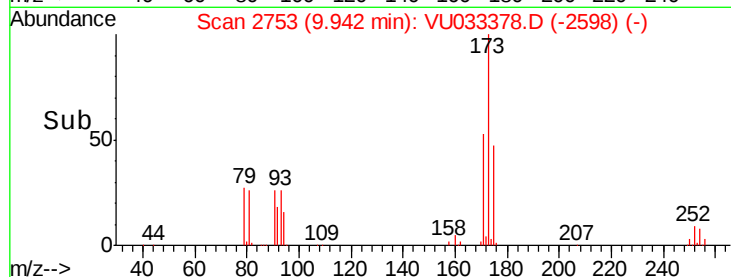
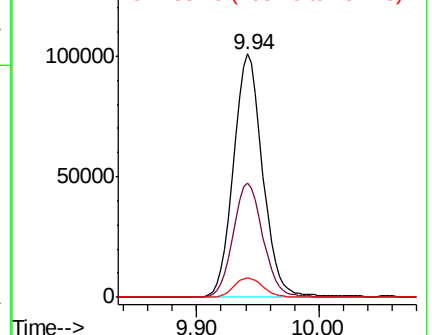
173 100

175 48.2 38.6 58.0

254 8.2 6.8 10.2



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: 0.890 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033378.D

Acq: 23 Jul 2019 13:43

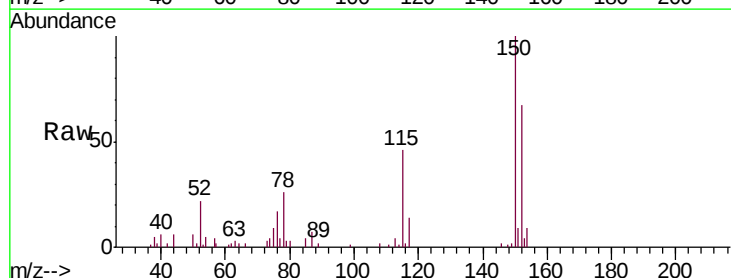
Tgt Ion:152 Resp: 9038

Ion Ratio Lower Upper

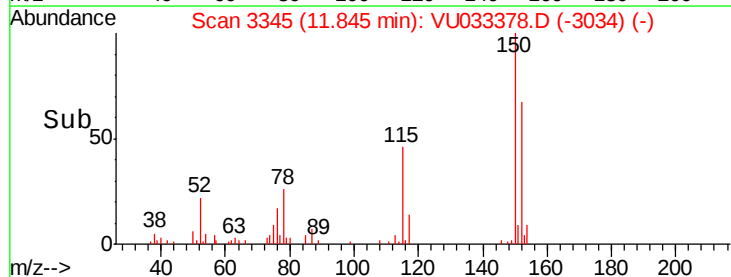
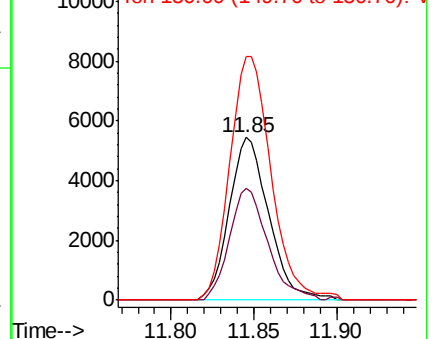
152 100

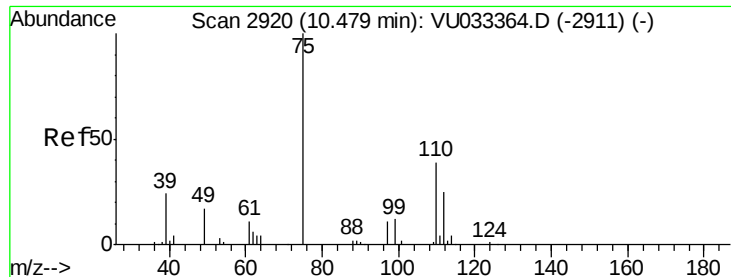
115 66.5 0.0 123.2

150 156.1 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

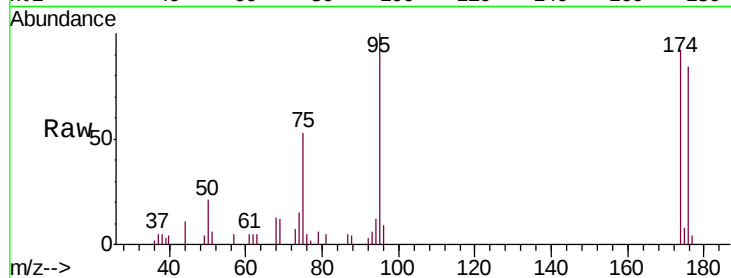




#71
 1,2,3-Trichloropropane
 Concen: 0.690 ug/l
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.18 min
 Lab File: VU033378.D
 Acq: 23 Jul 2019 13:43

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-THM-WS

Tgt Ion:	75	Resp:	4315
Ion	Ratio	Lower	Upper
75	100		
77	0.9	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

