

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072419\
 Data File : VU033391.D
 Acq On : 24 Jul 2019 17:46
 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 25 11:52:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 24 03:53:19 2019
 Response via : Initial Calibration

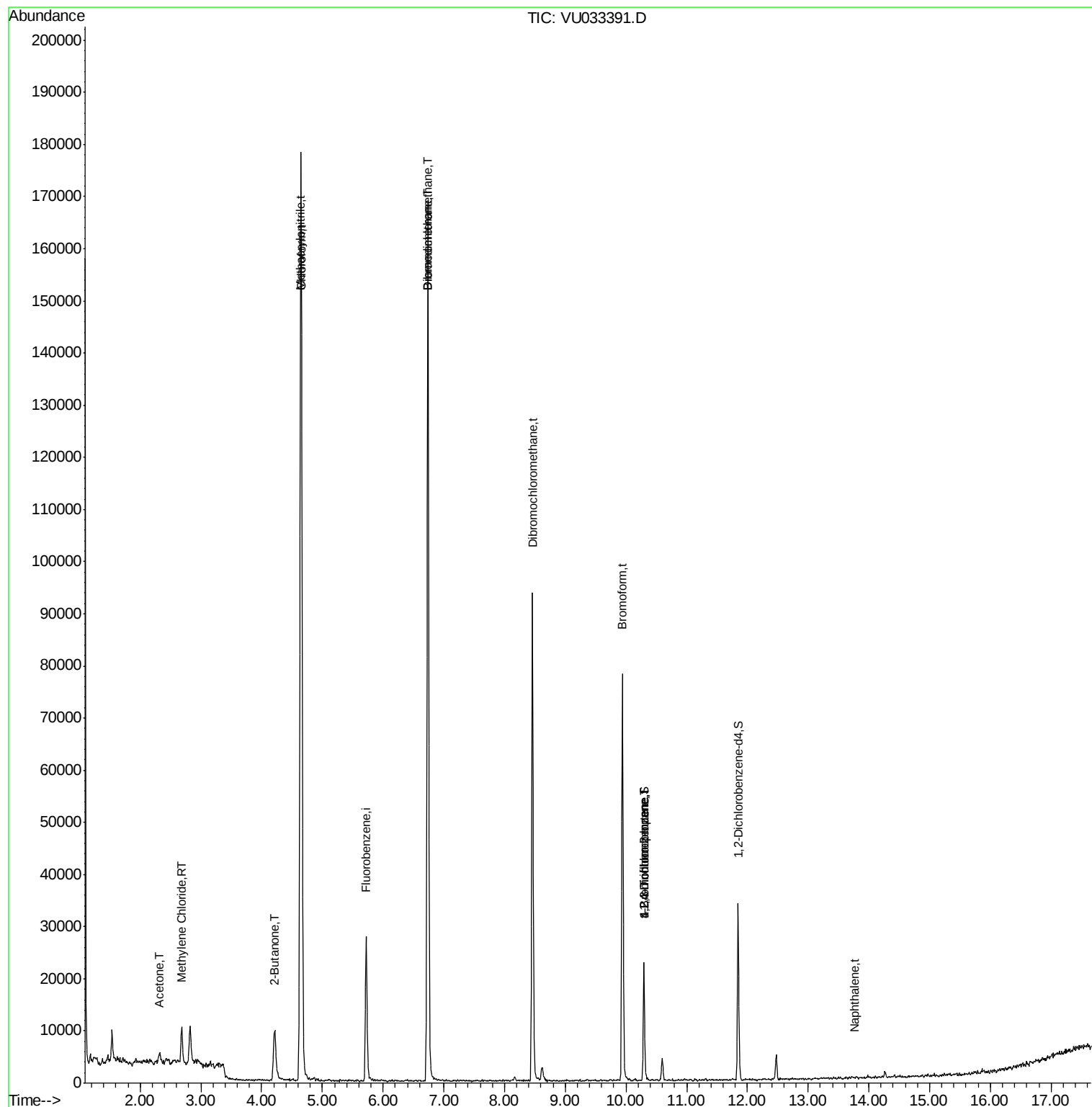
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	27031	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	7997	0.75	ug/l	0.00
Spiked Amount 1.000			Recovery	=	75.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	9079	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	
Target Compounds						
					Qvalue	
13) Acetone	2.31	43	1396	0.610	ug/l	100
15) Methylene Chloride	2.68	84	2740	0.212	ug/l #	90
18) 2-Butanone	4.21	43	437	0.200	ug/l	76
24) tert-Butyl Alcohol	2.82	59	4299	Below Cal	#	73
27) Chloroform	4.65	83	169343	9.679	ug/l	98
39) Methacrylonitrile	4.64	41	655	0.263	ug/l #	25
43) Dibromomethane	6.74	93	3578	0.726	ug/l #	7
44) Bromodichloromethane	6.74	83	111993	9.421	ug/l	99
46) t-1,4-Dichloro-2-butene	10.29	75	4609	2.271	ug/l #	22
55) Dibromochloromethane	8.46	129	49003	6.366	ug/l	98
67) Bromoform	9.94	173	34331	8.241	ug/l	99
71) 1,2,3-Trichloropropane	10.29	75	4609	0.684	ug/l #	51
89) Naphthalene	13.76	128	122	0.663	ug/l #	69
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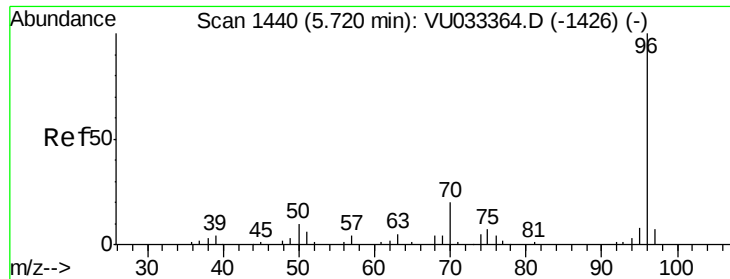
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 24 03:53:19 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

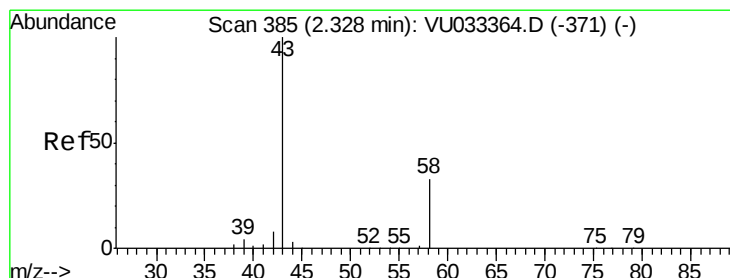
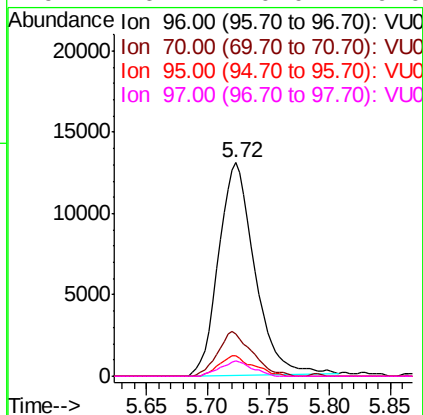
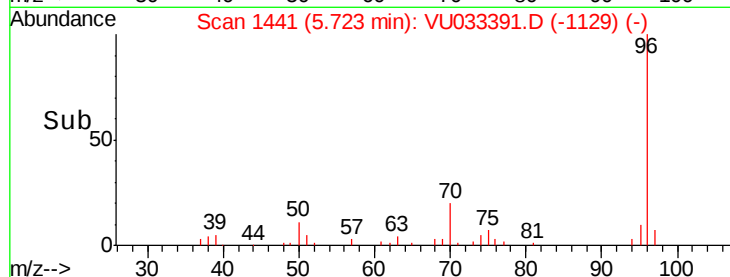
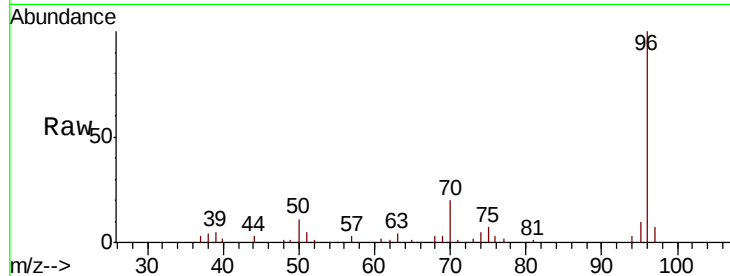
Delta R.T. 0.00 min

Lab File: VU033391.D

Acq: 24 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

Tgt Ion:	96	Resp:	27031
Ion	Ratio	Lower	Upper
96	100		
70	19.9	16.4	24.6
95	9.2	6.7	10.1
97	6.4	0.0	0.0#



#13

Acetone

Concen: 0.610 ug/l

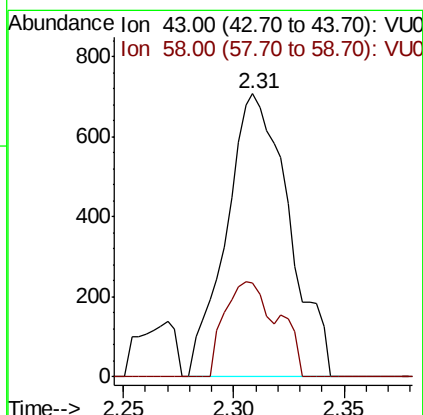
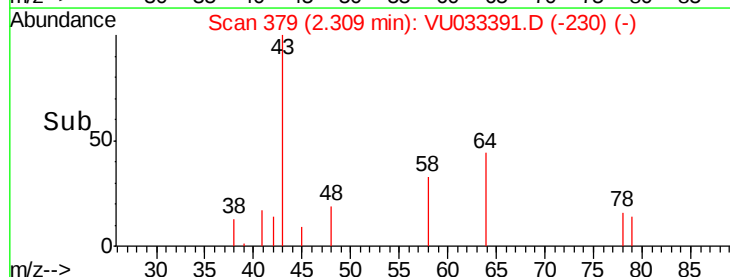
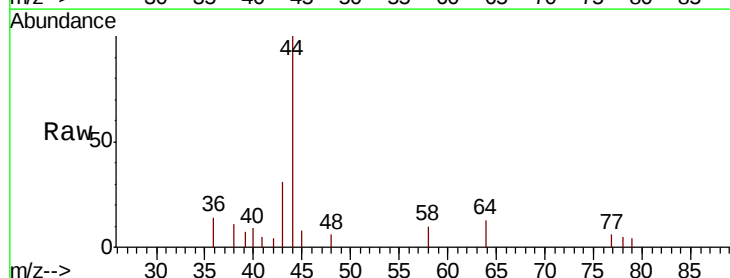
RT: 2.31 min Scan# 379

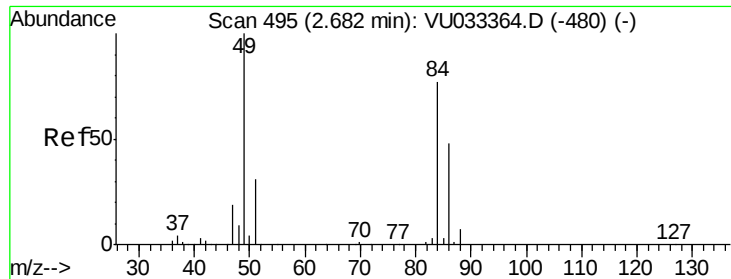
Delta R.T. -0.02 min

Lab File: VU033391.D

Acq: 24 Jul 2019 17:46

Tgt Ion:	43	Resp:	1396
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.3	39.5

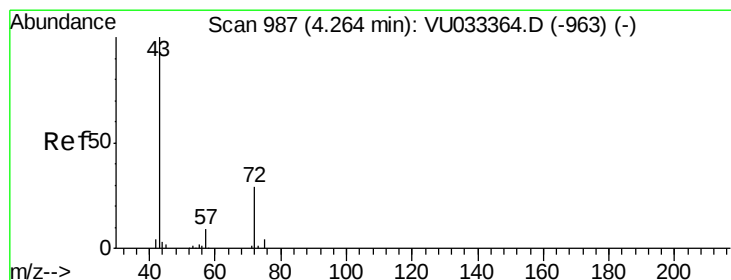
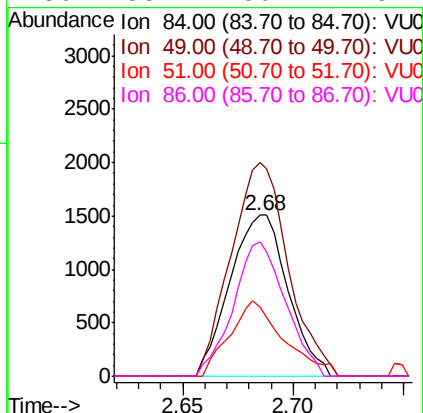
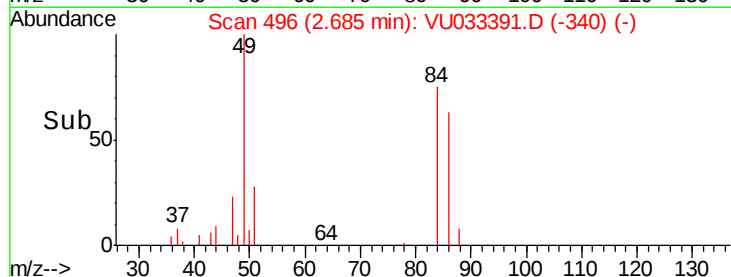
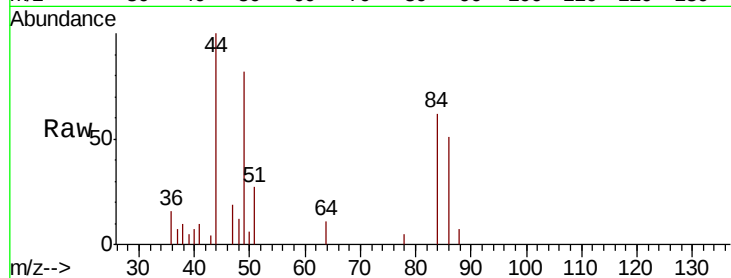




#15
Methylene Chloride
Concen: 0.212 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033391.D
Acq: 24 Jul 2019 17:46

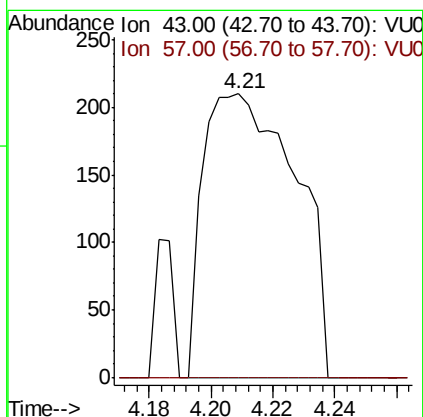
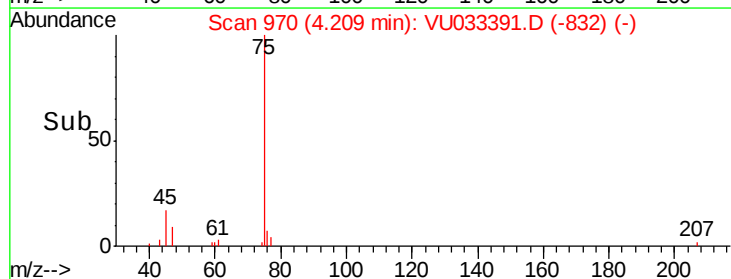
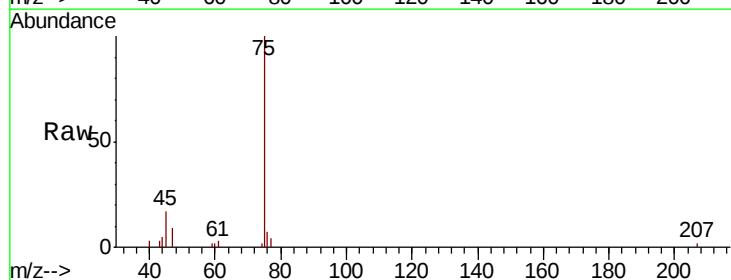
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

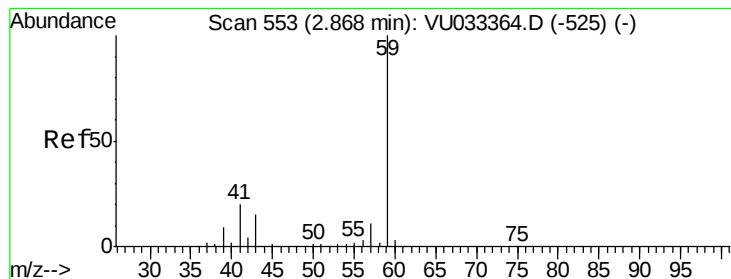
Tgt Ion: 84 Resp: 2740
Ion Ratio Lower Upper
84 100
49 132.5 103.5 155.3
51 43.3 0.0 80.4
86 83.2 50.1 75.1#



#18
2-Butanone
Concen: 0.200 ug/l
RT: 4.21 min Scan# 970
Delta R.T. -0.05 min
Lab File: VU033391.D
Acq: 24 Jul 2019 17:46

Tgt Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
57 0.0 0.0 17.0



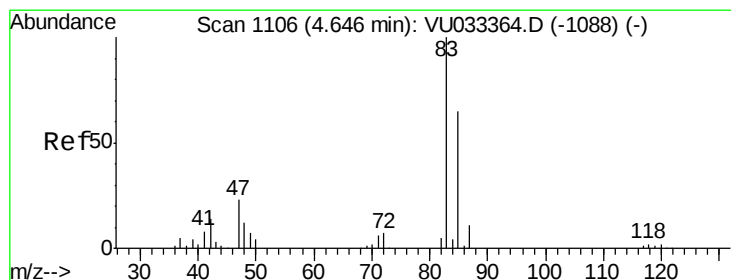
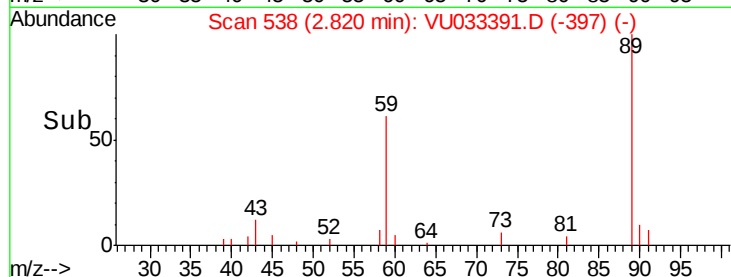
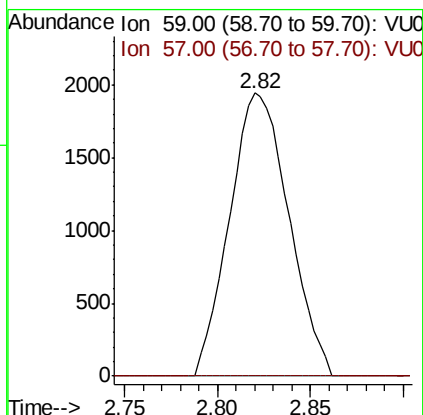
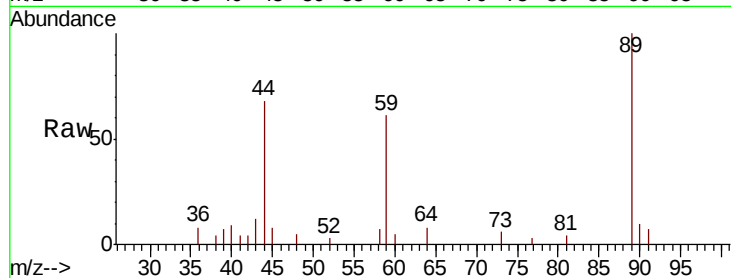


#24

tert-Butyl Alcohol
 Concen: Below Cal
 RT: 2.82 min Scan# 538
 Delta R.T. -0.05 min
 Lab File: VU033391.D
 Acq: 24 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-THM-WSDL

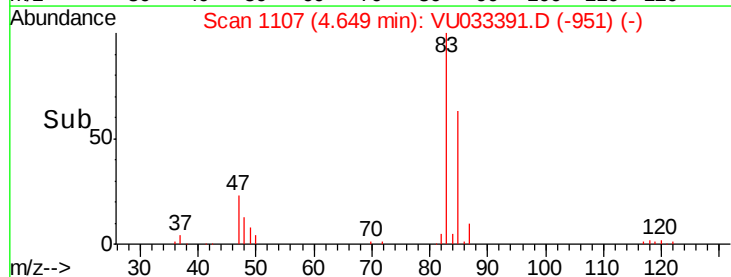
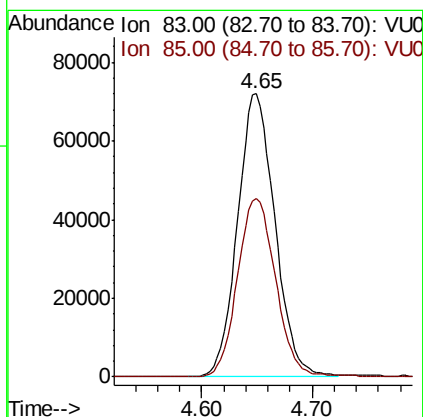
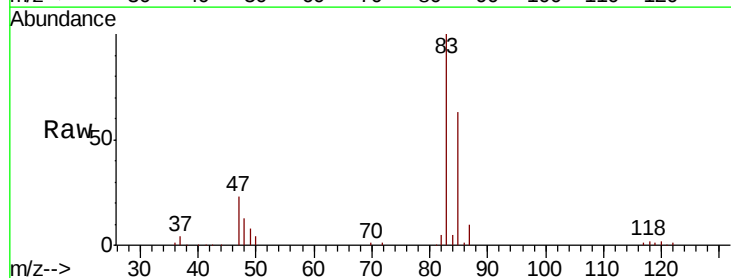
Tgt Ion: 59 Resp: 4299
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

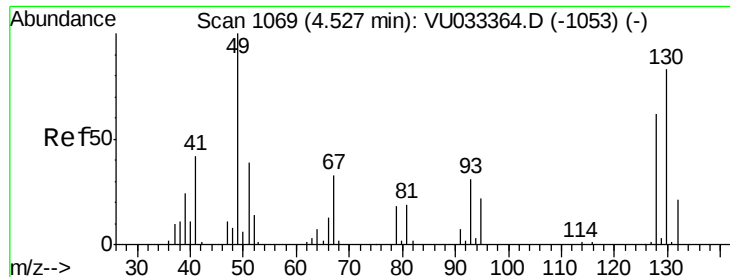


#27

Chloroform
 Concen: 9.679 ug/l
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU033391.D
 Acq: 24 Jul 2019 17:46

Tgt Ion: 83 Resp: 169343
 Ion Ratio Lower Upper
 83 100
 85 63.0 0.0 129.8

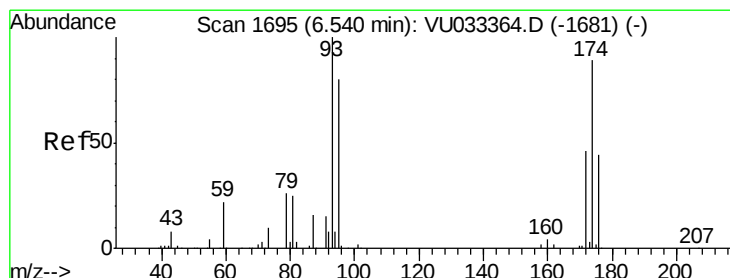
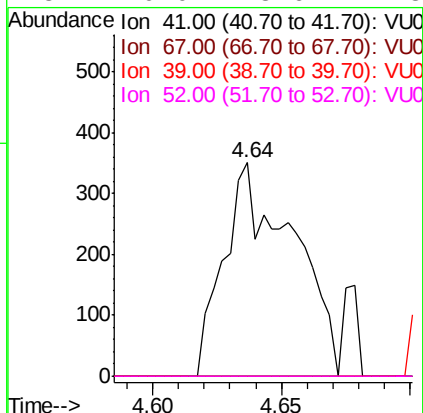
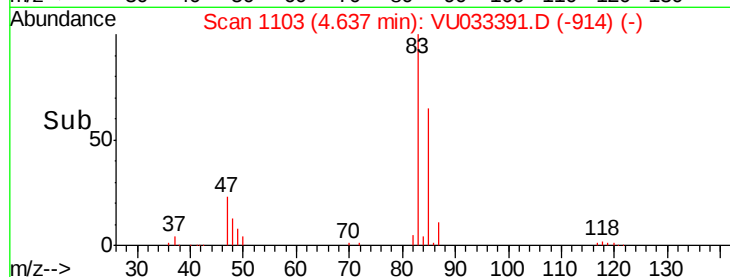
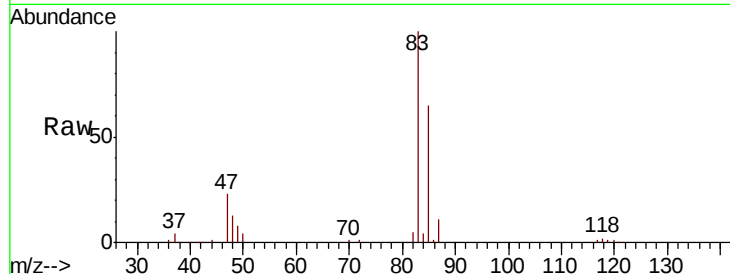




#39
Methacrylonitrile
Concen: 0.263 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.11 min
Lab File: VU033391.D
Acq: 24 Jul 2019 17:46

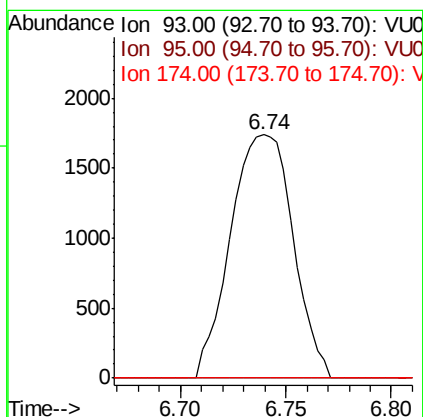
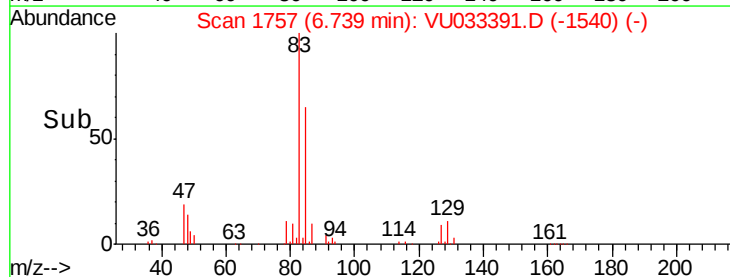
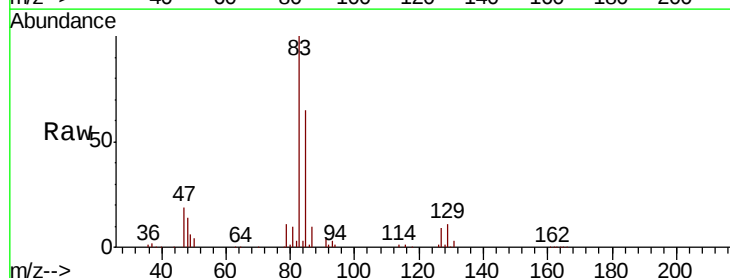
Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

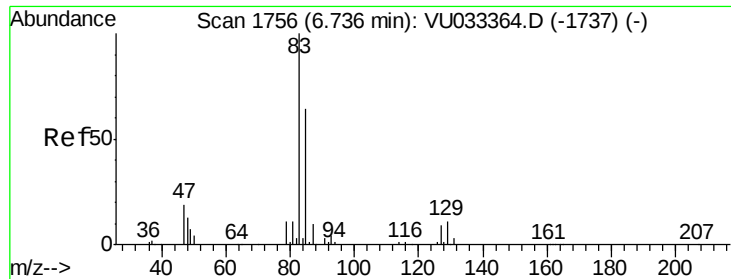
Tgt Ion: 41 Resp: 655
Ion Ratio Lower Upper
41 100
67 0.0 64.4 96.6#
39 13.0 46.8 70.2#
52 0.0 28.6 42.8#



#43
Dibromomethane
Concen: 0.726 ug/l
RT: 6.74 min Scan# 1757
Delta R.T. 0.20 min
Lab File: VU033391.D
Acq: 24 Jul 2019 17:46

Tgt Ion: 93 Resp: 3578
Ion Ratio Lower Upper
93 100
95 0.0 65.3 97.9#
174 0.0 70.7 106.1#





#44

Bromodichloromethane

Concen: 9.421 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033391.D

Acq: 24 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

PT-THM-WSDL

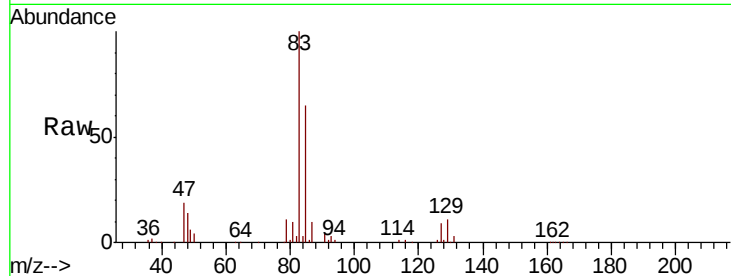
Tgt Ion: 83 Resp: 111993

Ion Ratio Lower Upper

83 100

85 65.1 51.1 76.7

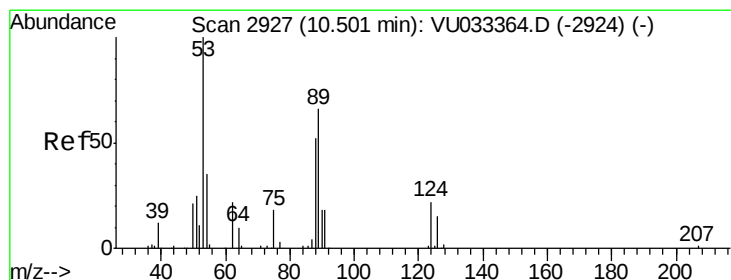
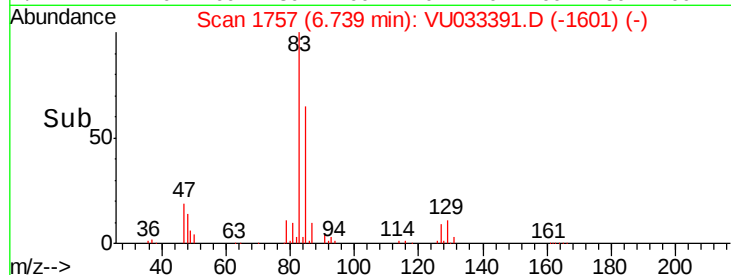
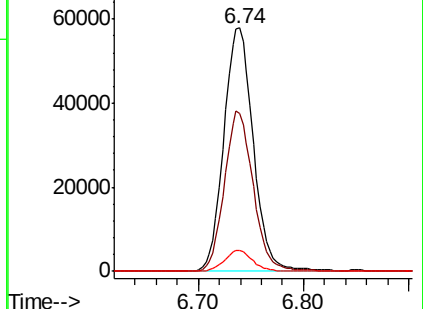
127 8.7 7.2 10.8



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: 2.271 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.21 min

Lab File: VU033391.D

Acq: 24 Jul 2019 17:46

Tgt Ion: 75 Resp: 4609

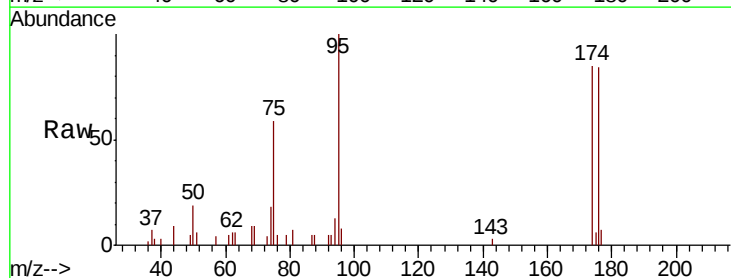
Ion Ratio Lower Upper

75 100

53 0.0 62.9 94.3#

89 0.0 43.0 64.4#

88 4.9 35.0 52.4#

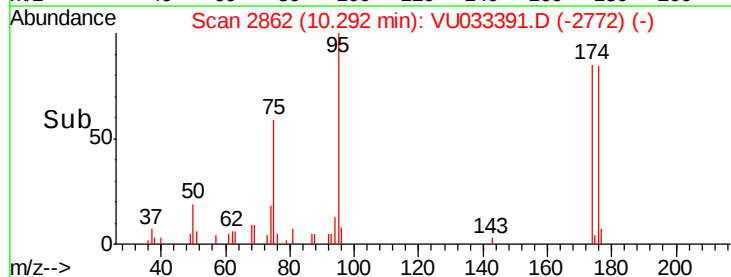
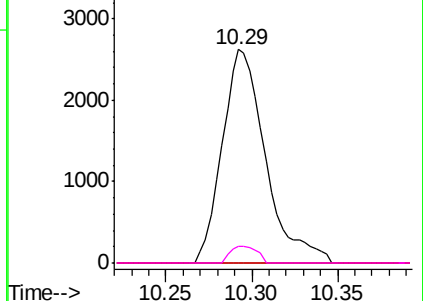


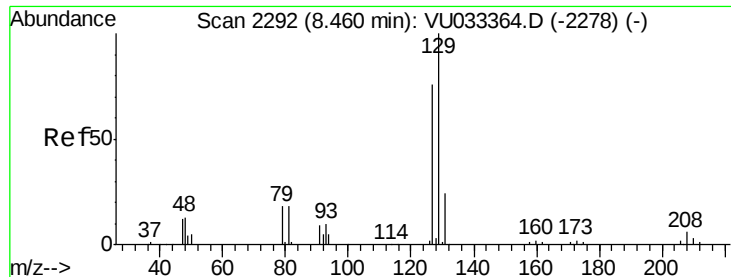
Abundance Ion 74.90 (74.60 to 75.60): VU033364.D (-2924) (-)

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) (-)

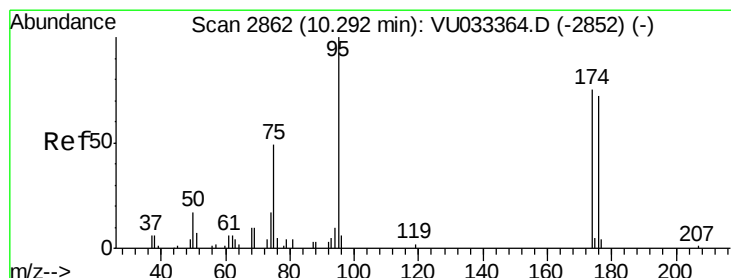
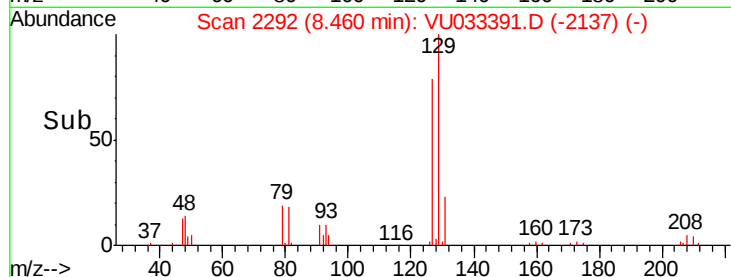
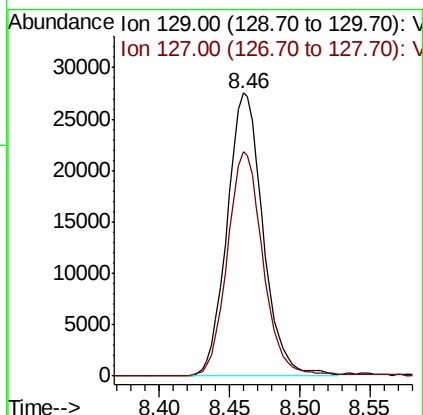
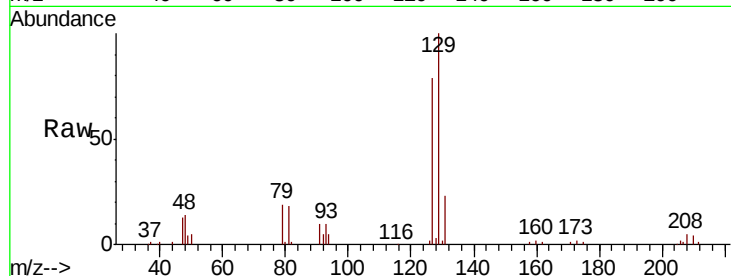




#55
 Dibromochloromethane
 Concen: 6.366 ug/l
 RT: 8.46 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: VU033391.D
 Acq: 24 Jul 2019 17:46

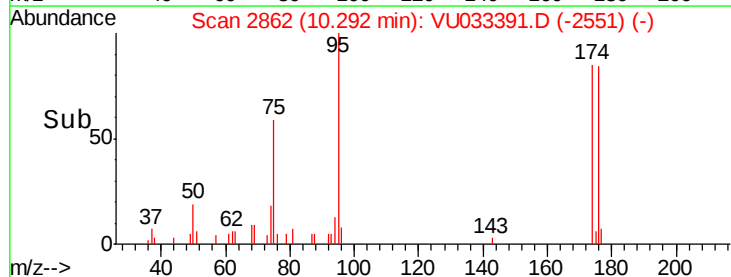
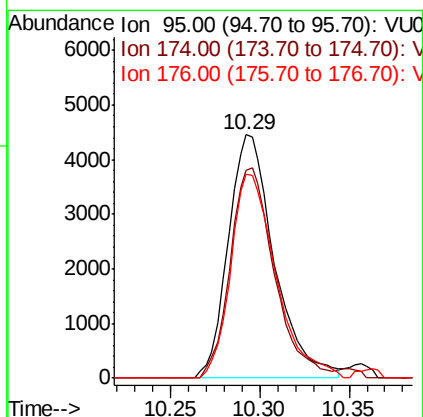
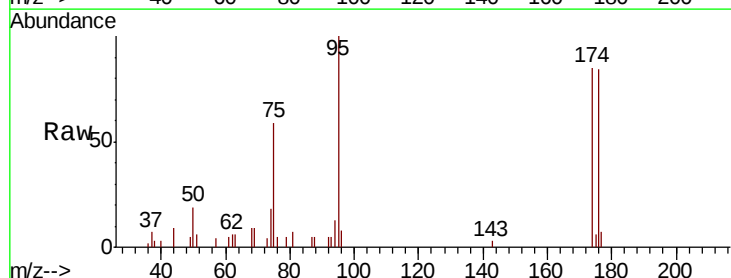
Instrument :
 MSVOA_U
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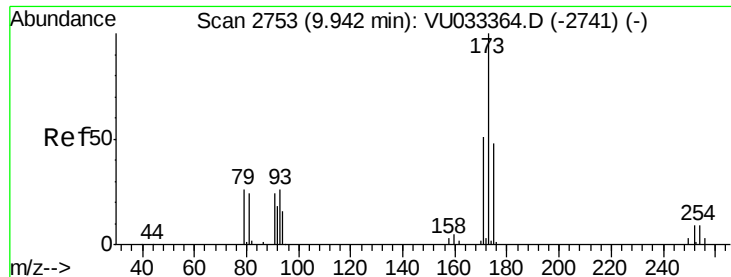
Tgt Ion: 129 Resp: 49003
 Ion Ratio Lower Upper
 129 100
 127 78.2 60.9 91.3



#57
 4-Bromofluorobenzene
 Concen: 0.754 ug/l
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VU033391.D
 Acq: 24 Jul 2019 17:46

Tgt Ion: 95 Resp: 7997
 Ion Ratio Lower Upper
 95 100
 174 82.8 58.8 88.2
 176 82.7 54.4 81.6#





#67

Bromoform

Concen: 8.241 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033391.D

Acq: 24 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
PT-THM-WSDL

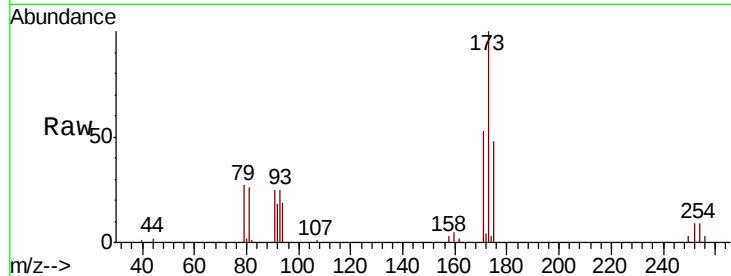
Tgt Ion:173 Resp: 34331

Ion Ratio Lower Upper

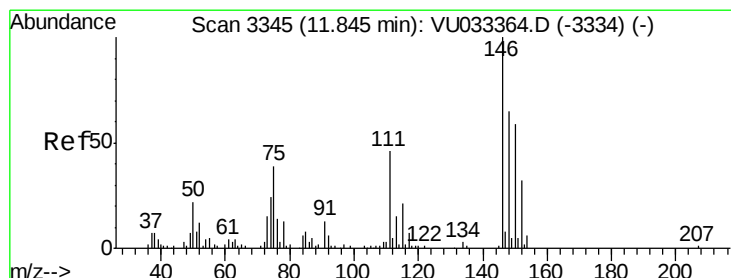
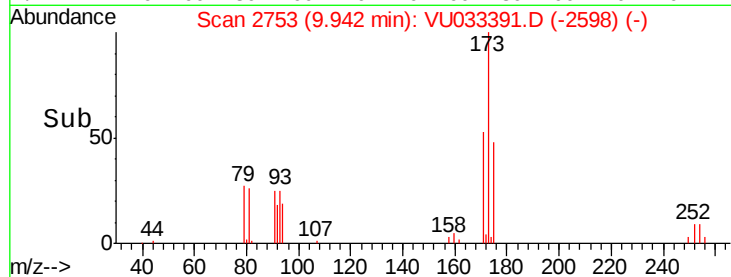
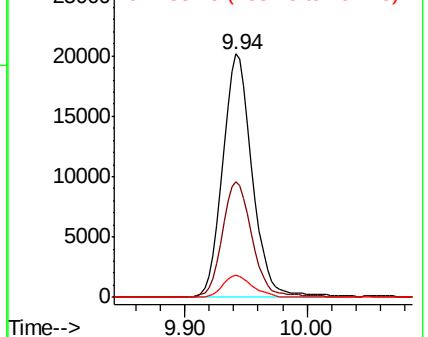
173 100

175 47.9 38.6 58.0

254 9.0 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: 0.829 ug/l

RT: 11.85 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VU033391.D

Acq: 24 Jul 2019 17:46

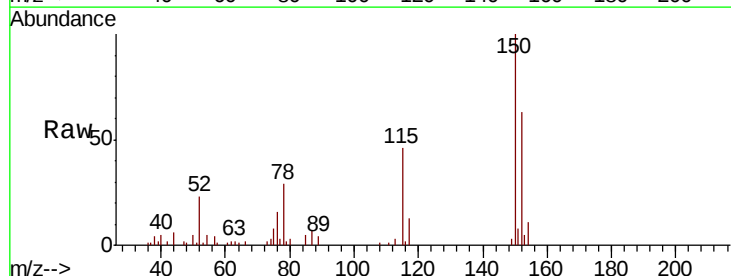
Tgt Ion:152 Resp: 9079

Ion Ratio Lower Upper

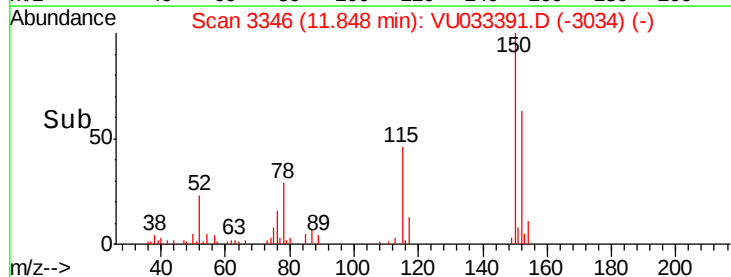
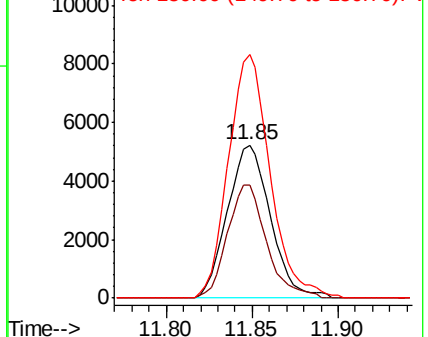
152 100

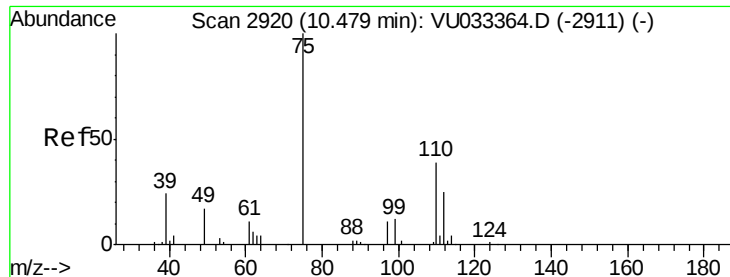
115 67.1 0.0 123.2

150 154.7 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

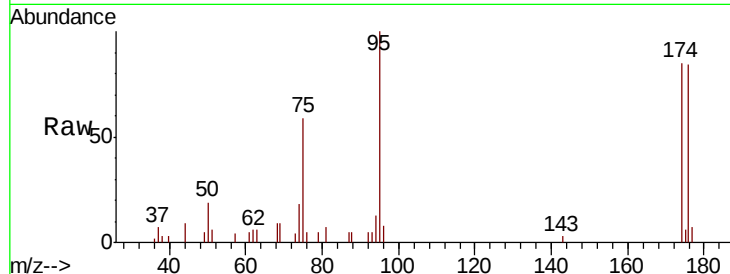




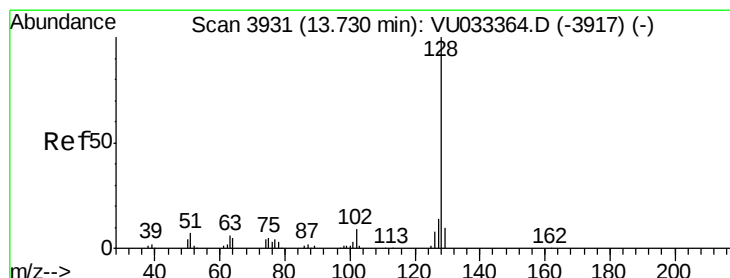
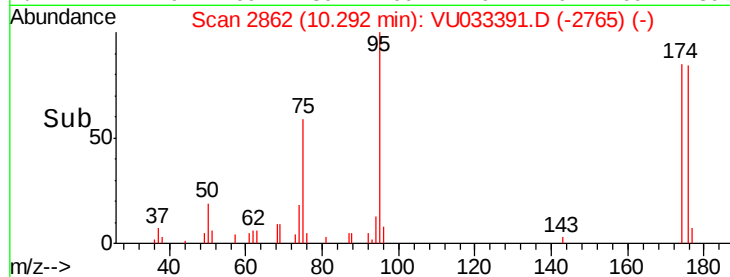
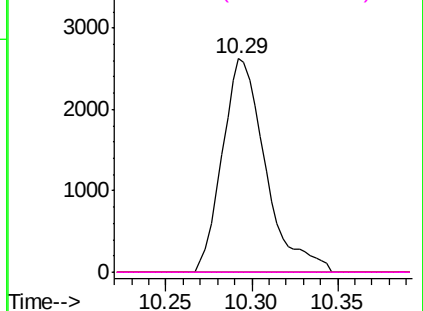
#71
 1,2,3-Trichloropropane
 Concen: 0.684 ug/l
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.19 min
 Lab File: VU033391.D
 Acq: 24 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-THM-WSDL

Tgt Ion:	75	Resp:	4609
Ion	Ratio	Lower	Upper
75	100		
77	2.1	0.0	18.2
110	0.0	0.0	71.4
97	0.0	0.0	37.8

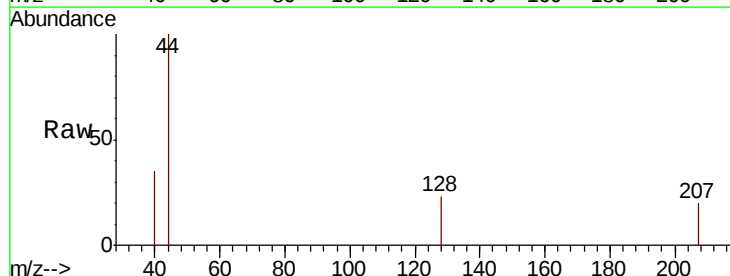


Abundance Ion 75.00 (74.70 to 75.70): VU033391.D (-2765) (-)
 Ion 77.00 (76.70 to 77.70): VU033391.D (-2765) (-)
 Ion 110.00 (109.70 to 110.70): VU033391.D (-2765) (-)
 Ion 97.00 (96.70 to 97.70): VU033391.D (-2765) (-)



#89
 Naphthalene
 Concen: 0.663 ug/l
 RT: 13.76 min Scan# 3939
 Delta R.T. 0.03 min
 Lab File: VU033391.D
 Acq: 24 Jul 2019 17:46

Tgt Ion:	128	Resp:	122
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): VU033391.D (-3775) (-)
 Ion 127.00 (126.70 to 127.70): VU033391.D (-3775) (-)
 Ion 129.00 (128.70 to 129.70): VU033391.D (-3775) (-)

