

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028297.D
 Acq On : 20 Nov 2018 22:55
 Operator : MD/SY
 Sample : J5986-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:12:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 07:07:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	56	5.00	ug/L	-0.02
28) Chlorobenzene-d5	0.00	117	0	0.00	ug/L	-9.09
60) 1,4-Dichlorobenzene-d4	11.57	152	55542	5.00	ug/L	0.08

System Monitoring Compounds

4) Vinyl Chloride-d3	0.00	65	0	0.00	ug/L	
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.00%#
7) Chloroethane-d5	0.00	69	0	0.00	ug/L	
Spiked Amount	5.000	Range	65 - 130	Recovery	=	0.00%#
11) 1,1-Dichloroethene-d2	2.29	63	19	2.27	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.40%#
20) 2-Butanone-d5	4.19	46	61	43.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.52%
24) Chloroform-d	4.64	84	233	29.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	592.60%#
26) 1,2-Dichloroethane-d4	5.46	65	292	67.19	ug/L	0.14
Spiked Amount	5.000	Range	70 - 130	Recovery	=	1343.80%#
32) Benzene-d6	5.34	84	367	0.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	0.00%#
36) 1,2-Dichloropropane-d6	6.45	67	1121	0.00	ug/L	0.12
Spiked Amount	5.000	Range	60 - 140	Recovery	=	0.00%#
41) Toluene-d8	7.35	98	65	0.00	ug/L	-0.21
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.00%#
43) trans-1,3-Dichloropropene-	7.89	79	33034	0.00	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.00%#
46) 2-Hexanone-d5	8.30	63	179	0.00	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	0.00%#
57) 1,1,2,2-Tetrachloroethane-	10.56	84	45783	0.00	ug/L	0.13
Spiked Amount	5.000	Range	65 - 120	Recovery	=	0.00%#
64) 1,2-Dichlorobenzene-d4	11.93	152	45962	4.45	ug/L	0.06
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

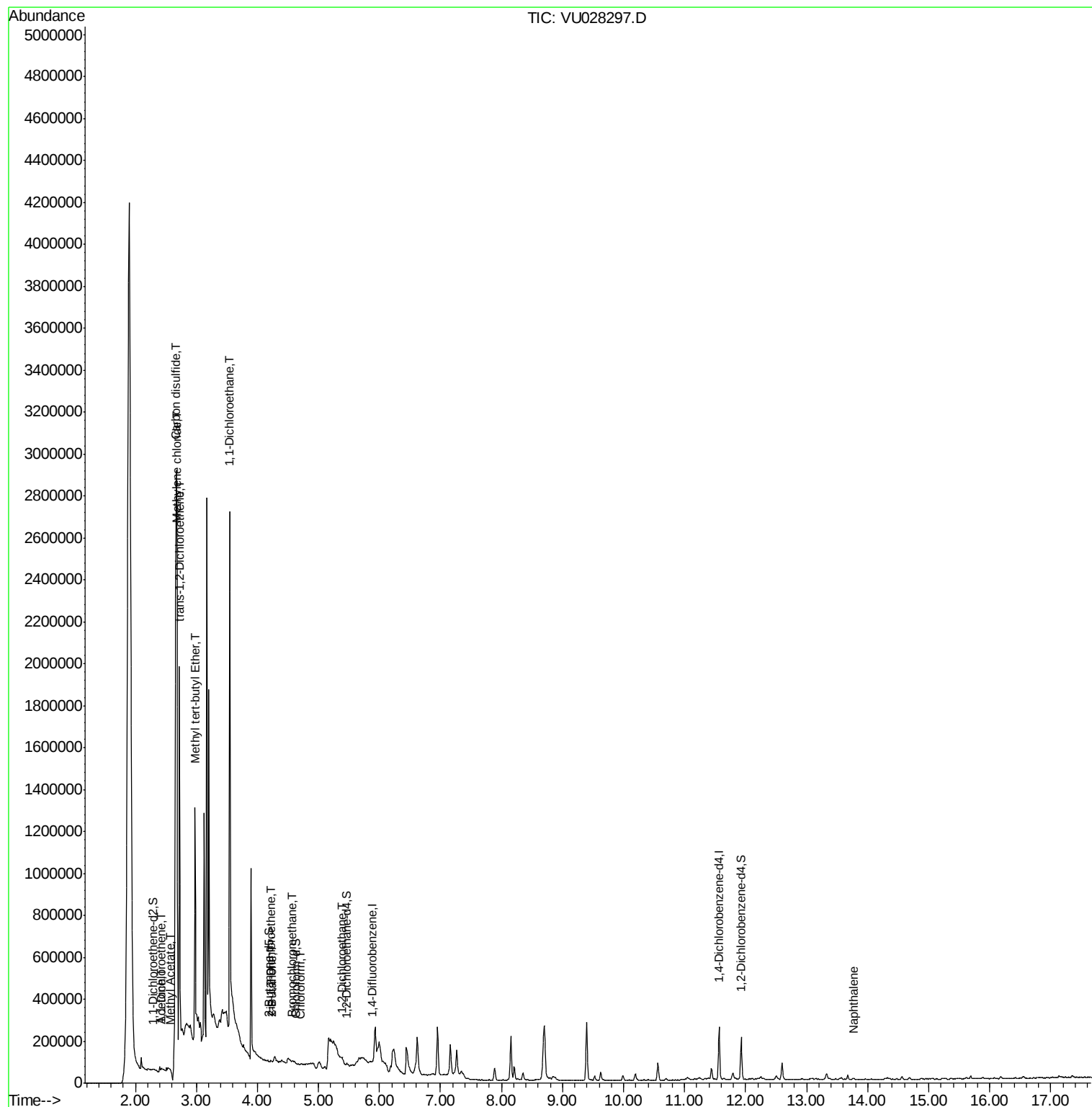
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.43	96	46	13.342	ug/L #	1
13) Acetone	2.44	43	646	666.078	ug/L	66
14) Carbon disulfide	2.66	76	4420	408.281	ug/L #	1
15) Methyl Acetate	2.59	43	594	231.072	ug/L #	59
16) Methylene chloride	2.68	84	2218	510.618	ug/L #	1
17) Methyl tert-butyl Ether	2.98	73	5330	514.662	ug/L #	1
18) trans-1,2-Dichloroethene	2.72	96	3292	896.412	ug/L	81
19) 1,1-Dichloroethane	3.54	63	15491	1819.083	ug/L #	23
21) 2-Butanone	4.24	43	587	380.083	ug/L	89
22) cis-1,2-Dichloroethene	4.22	96	306	70.493	ug/L #	19
23) Bromochloromethane	4.58	128	184	108.316	ug/L #	4
25) Chloroform	4.70	83	267	28.974	ug/L	86
27) 1,2-Dichloroethane	5.39	62	325	61.700	ug/L #	32
69) Naphthalene	13.76	128	3394	0.177	ug/L #	90

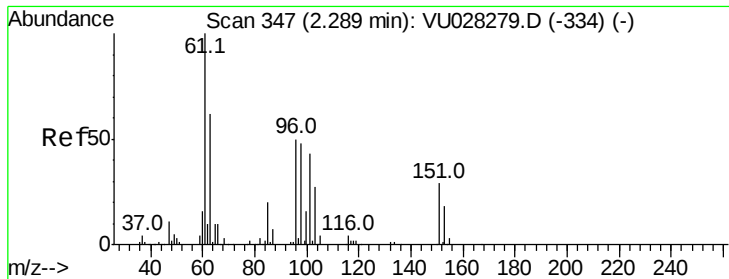
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 13.342 ug/L

RT: 2.43 min Scan# 392

Delta R.T. 0.15 min

Lab File: VU028297.D

Acq: 20 Nov 2018 22:55

Instrument :

MSVOA_U

ClientSampled :

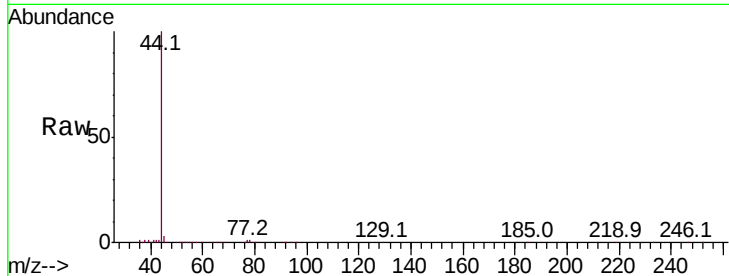
Tot Ion: 96 Resp: 46

Ion Ratio Lower Upper

96 100

61 0.0 145.5 270.1#

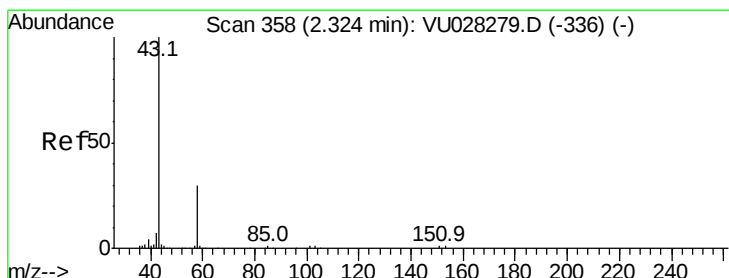
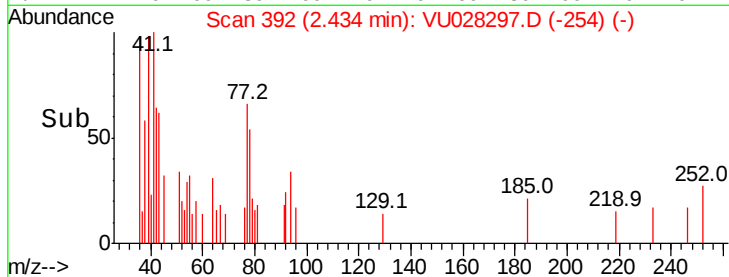
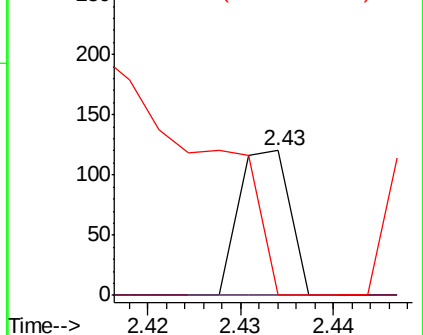
63 0.0 98.6 183.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 666.078 ug/L

RT: 2.44 min Scan# 393

Delta R.T. 0.11 min

Lab File: VU028297.D

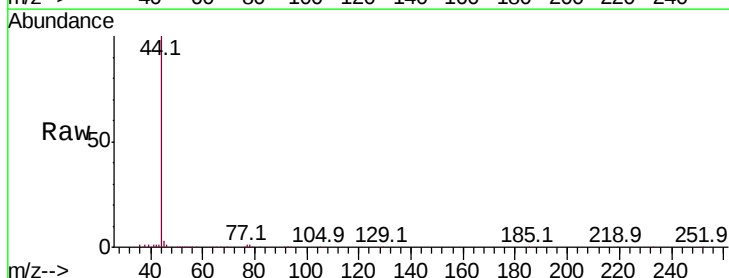
Acq: 20 Nov 2018 22:55

Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

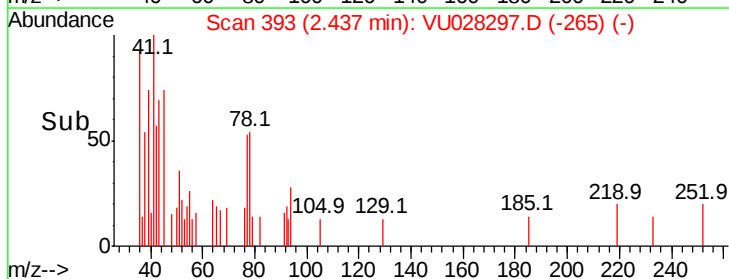
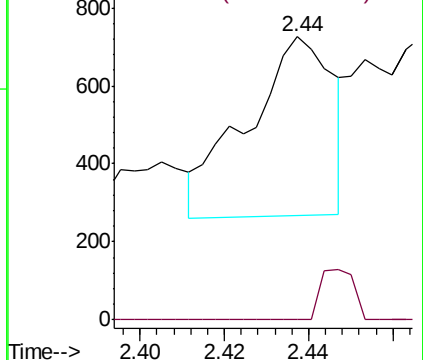
43 100

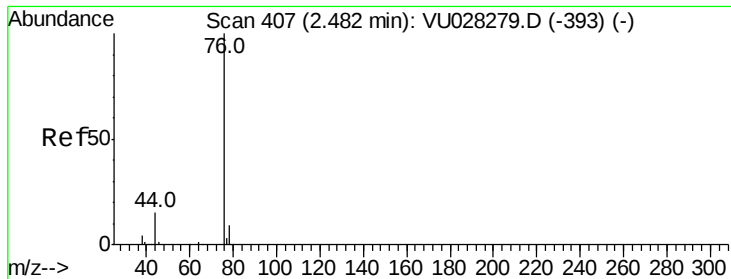
58 11.0 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 408.281 ug/L

RT: 2.66 min Scan# 461

Delta R.T. 0.17 min

Lab File: VU028297.D

Acq: 20 Nov 2018 22:55

Instrument :

MSVOA_U

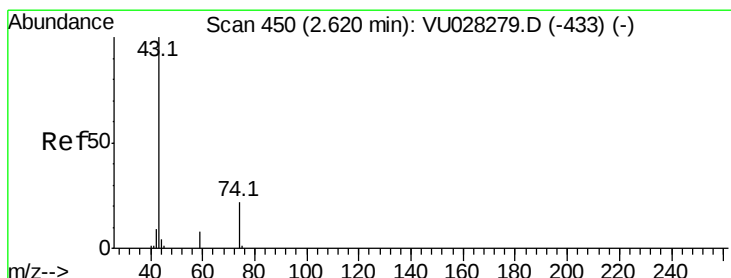
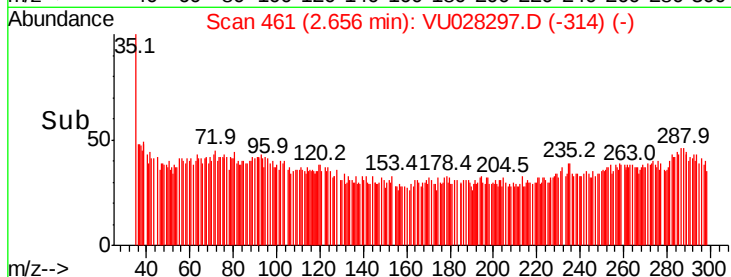
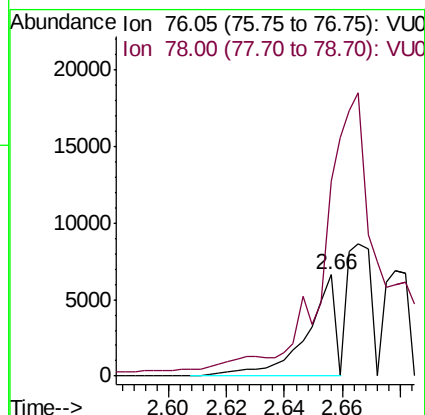
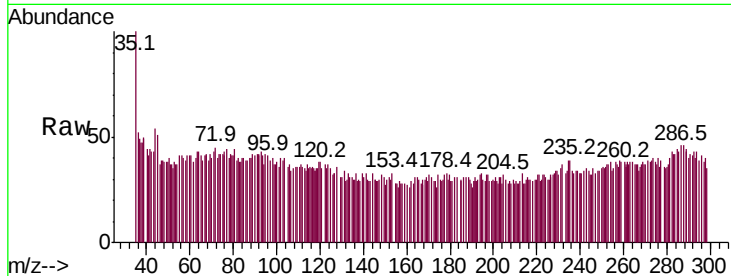
ClientSampled :

Tot Ion: 76 Resp: 4420

Ion Ratio Lower Upper

76 100

78 192.8 7.6 11.4#



#15

Methyl Acetate

Concen: 231.072 ug/L

RT: 2.59 min Scan# 439

Delta R.T. -0.04 min

Lab File: VU028297.D

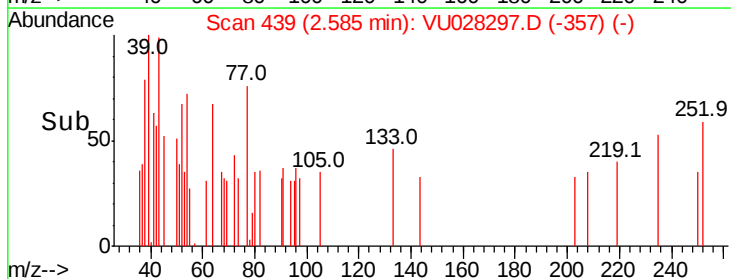
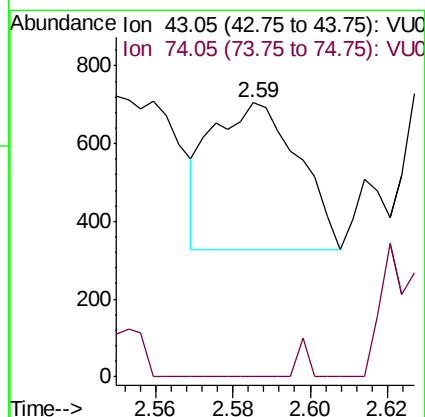
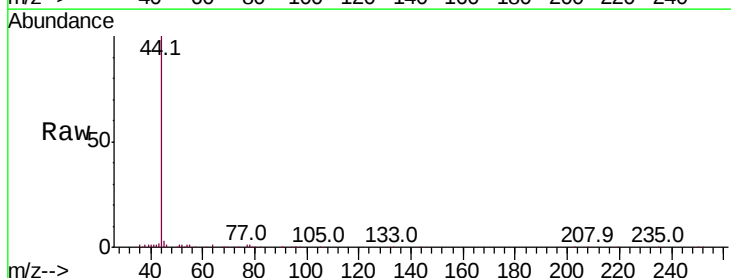
Acq: 20 Nov 2018 22:55

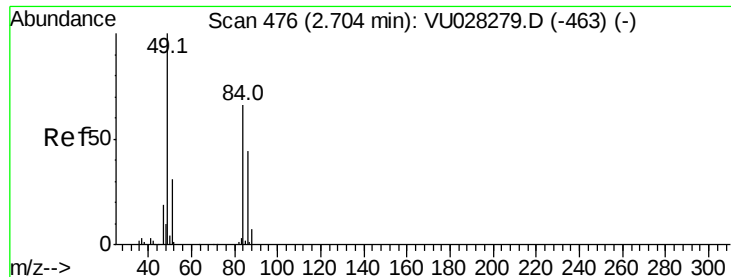
Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

74 0.0 14.7 22.1#

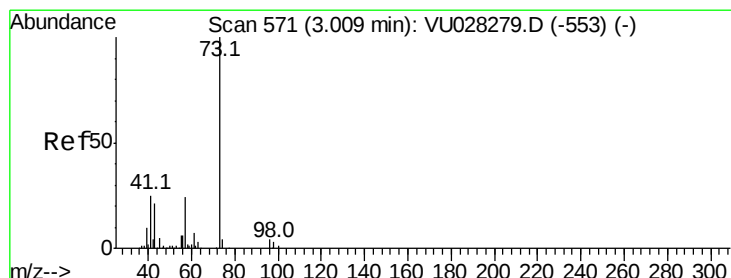
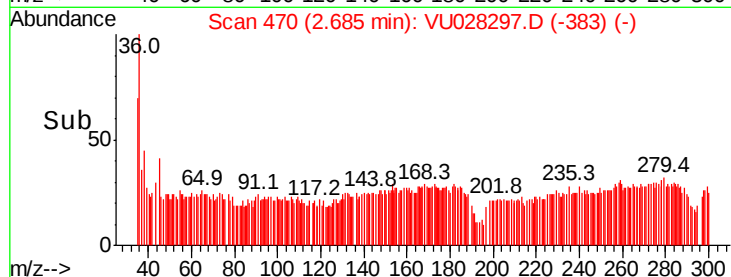
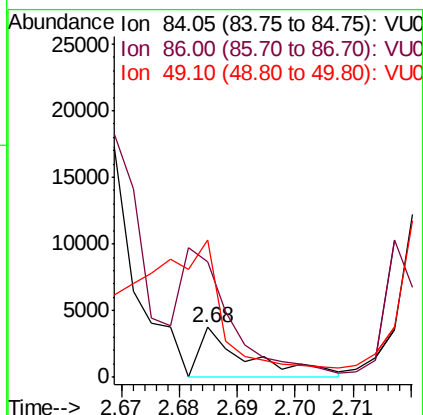
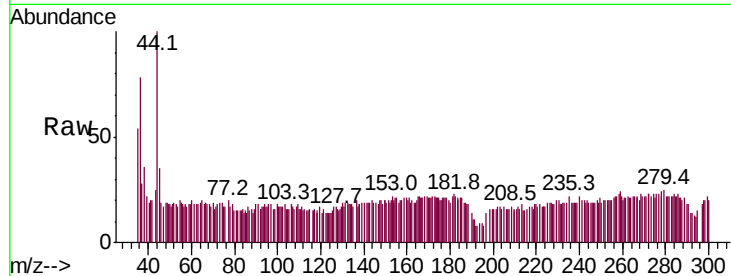




#16
Methylene chloride
Concen: 510.618 ug/L
RT: 2.68 min Scan# 470
Delta R.T. -0.02 min
Lab File: VU028297.D
Acq: 20 Nov 2018 22:55

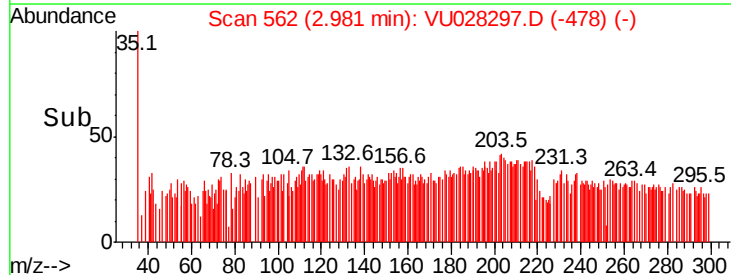
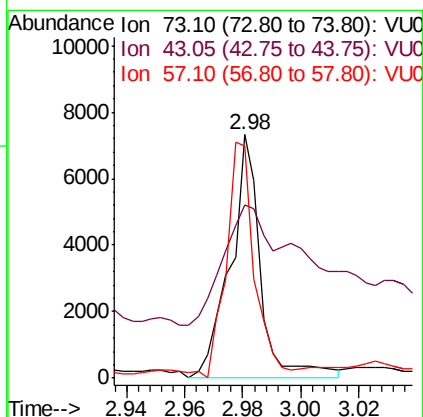
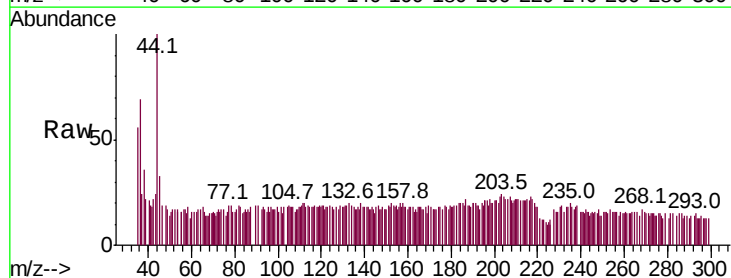
Instrument :
MSVOA_U
ClientSampled :

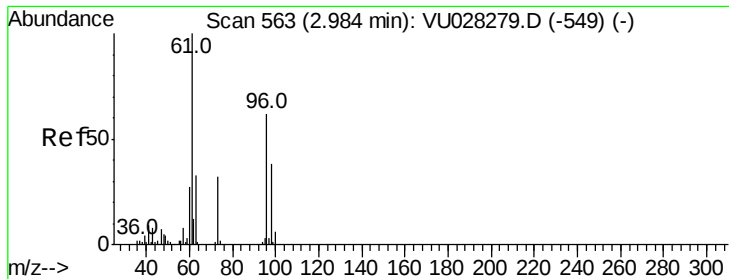
Tot Ion: 84 Resp: 2218
Ion Ratio Lower Upper
84 100
86 229.6 45.3 84.1#
49 272.5 107.9 200.5#



#17
Methyl tert-butyl Ether
Concen: 514.662 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.03 min
Lab File: VU028297.D
Acq: 20 Nov 2018 22:55

Tgt Ion: 73 Resp: 5330
Ion Ratio Lower Upper
73 100
43 144.2 18.8 28.2#
57 84.7 19.2 28.8#





#18

trans-1,2-Dichloroethene

Concen: 896.412 ug/L

RT: 2.72 min Scan# 481

Delta R.T. -0.26 min

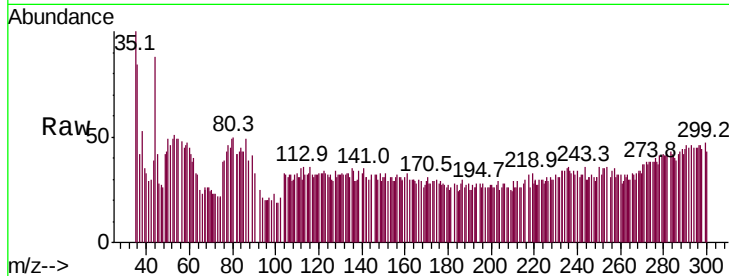
Lab File: VU028297.D

Acq: 20 Nov 2018 22:55

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 3292

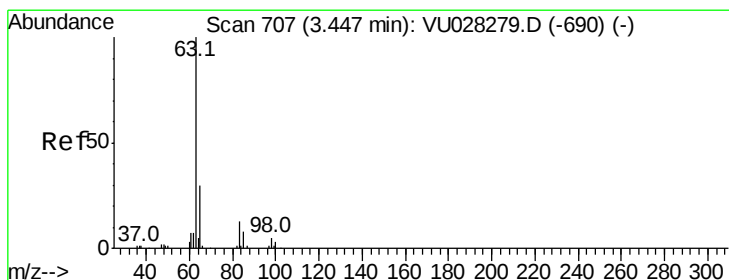
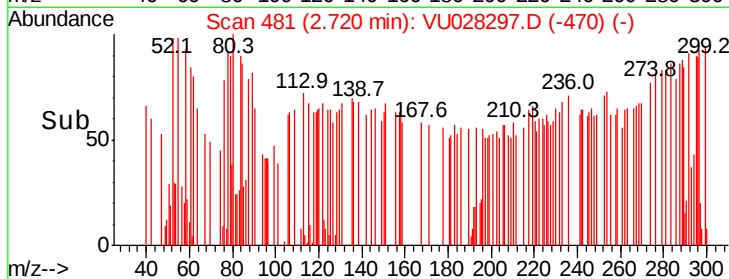
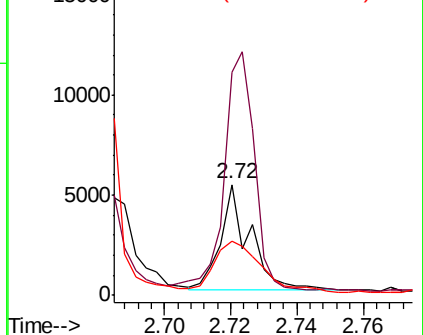
Ion	Ratio	Lower	Upper
96	100		
61	200.5	122.2	227.0
98	48.9	44.9	83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 1819.083 ug/L

RT: 3.54 min Scan# 737

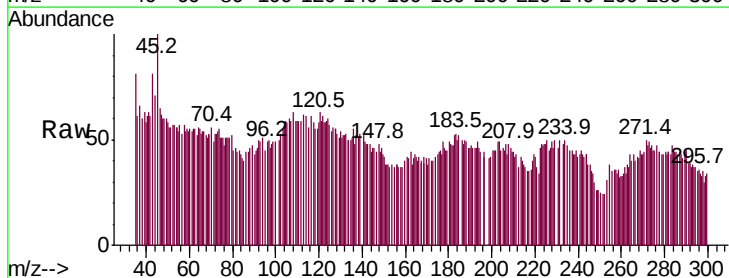
Delta R.T. 0.10 min

Lab File: VU028297.D

Acq: 20 Nov 2018 22:55

Tgt Ion: 63 Resp: 15491

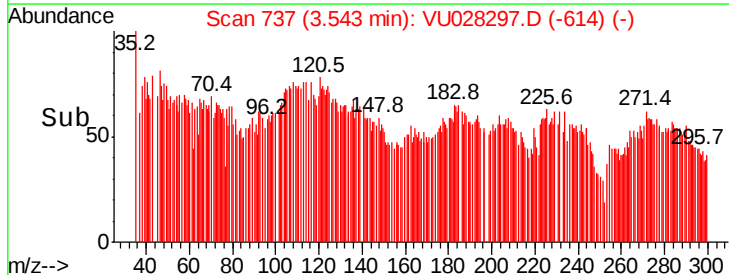
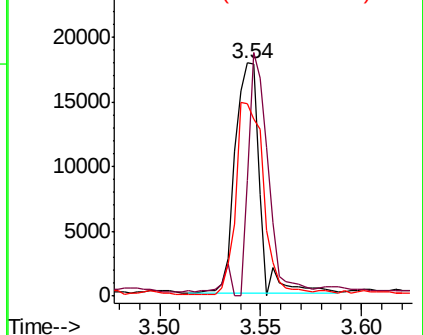
Ion	Ratio	Lower	Upper
63	100		
65	49.5	21.2	39.4#
83	82.2	8.8	16.4#

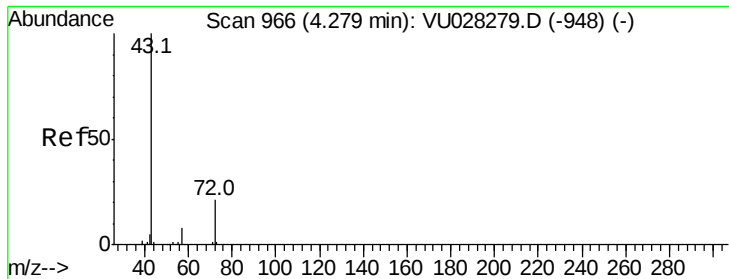


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#21

2-Butanone

Concen: 380.083 ug/L

RT: 4.24 min Scan# 955

Delta R.T. -0.04 min

Lab File: VU028297.D

Acq: 20 Nov 2018 22:55

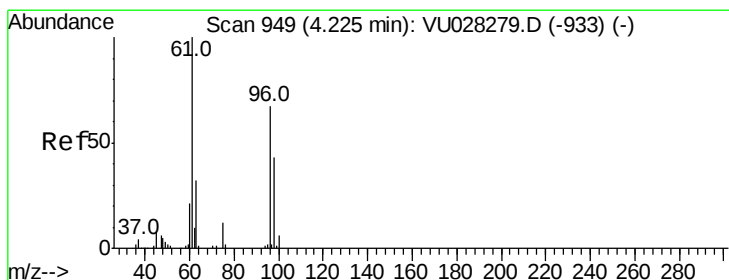
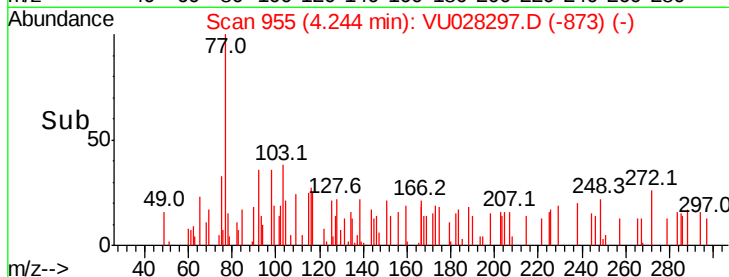
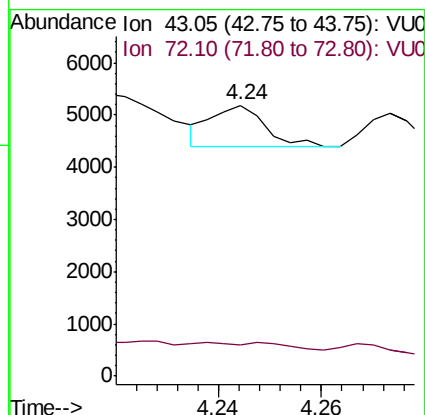
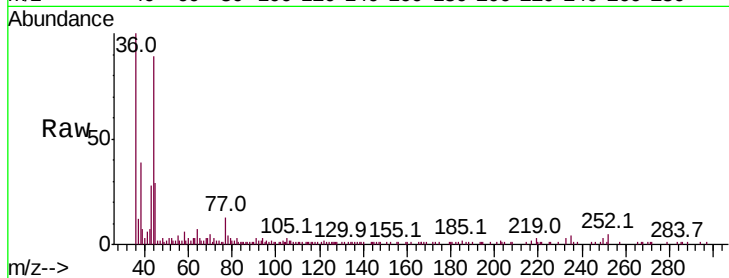
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 587

Ion Ratio Lower Upper

43 100

72 16.2 10.7 32.1



#22

cis-1,2-Dichloroethene

Concen: 70.493 ug/L

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028297.D

Acq: 20 Nov 2018 22:55

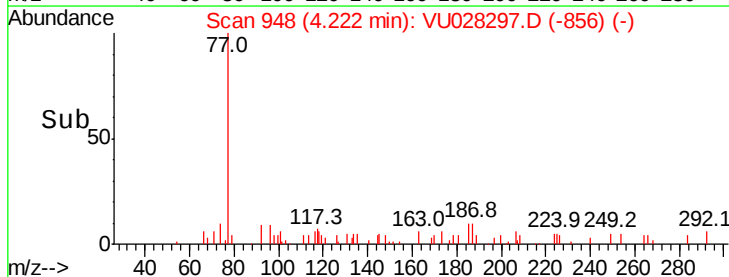
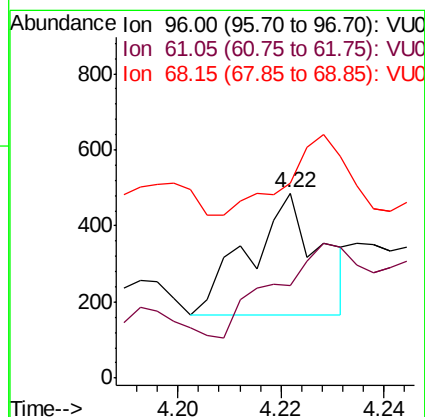
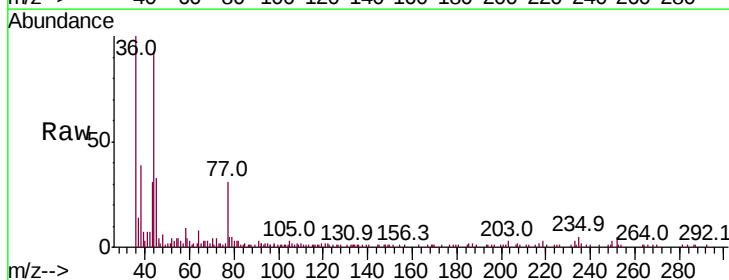
Tgt Ion: 96 Resp: 306

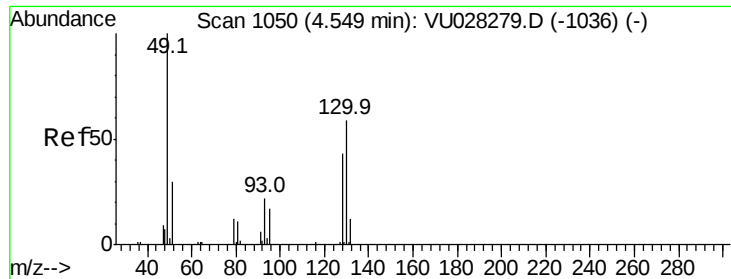
Ion Ratio Lower Upper

96 100

61 49.8 108.0 200.6#

68 105.1 0.0 0.0#





#23

Bromochloromethane

Concen: 108.316 ug/L

RT: 4.58 min Scan# 1059

Delta R.T. 0.03 min

Lab File: VU028297.D

Acq: 20 Nov 2018 22:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 184

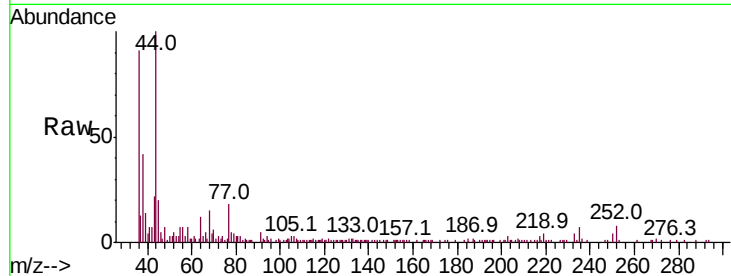
Ion Ratio Lower Upper

128 100

49 49.3 162.0 300.8#

130 45.4 87.7 162.9#

51 152.5 57.6 86.4#

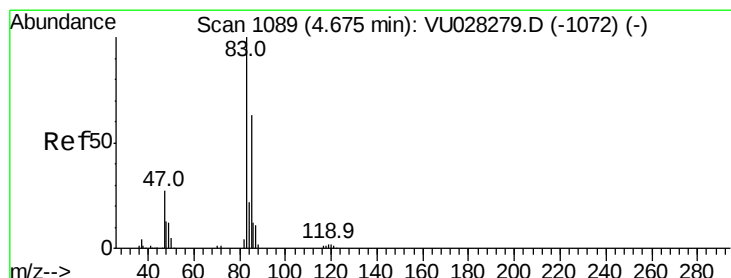
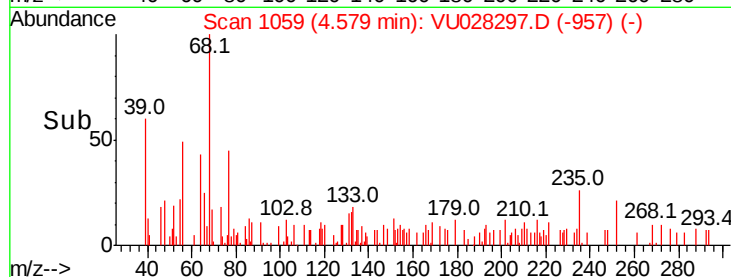
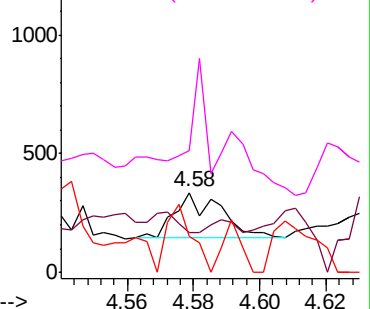


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0



#25

Chloroform

Concen: 28.974 ug/L

RT: 4.70 min Scan# 1097

Delta R.T. 0.03 min

Lab File: VU028297.D

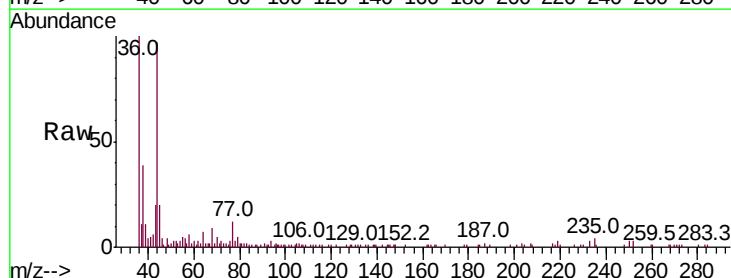
Acq: 20 Nov 2018 22:55

Tgt Ion: 83 Resp: 267

Ion Ratio Lower Upper

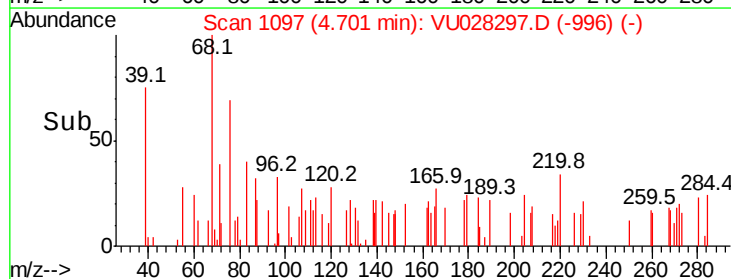
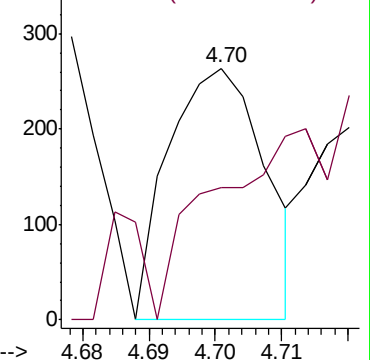
83 100

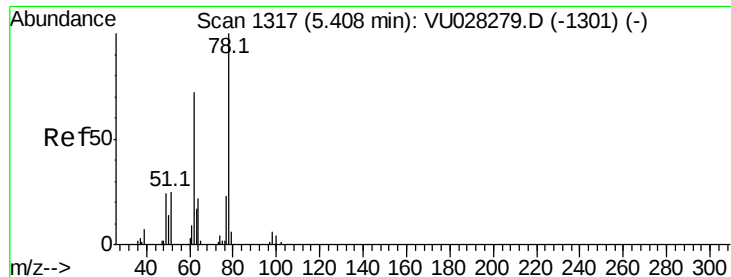
85 52.7 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 61.700 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VU028297.D

Acq: 20 Nov 2018 22:55

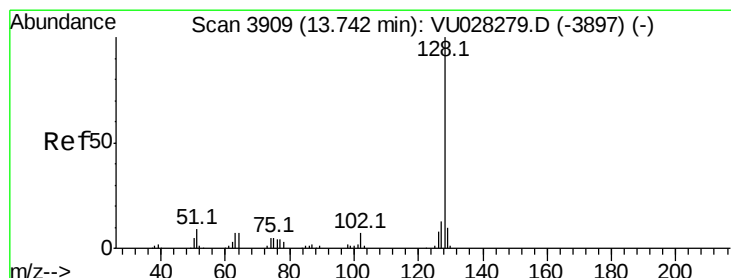
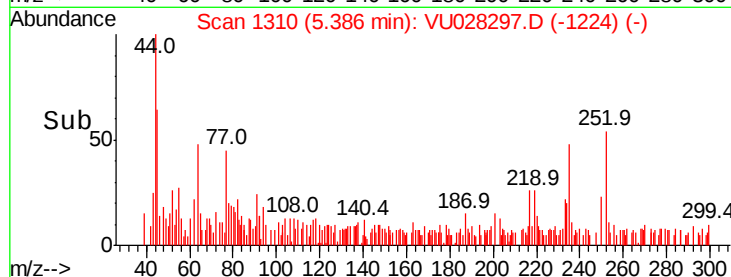
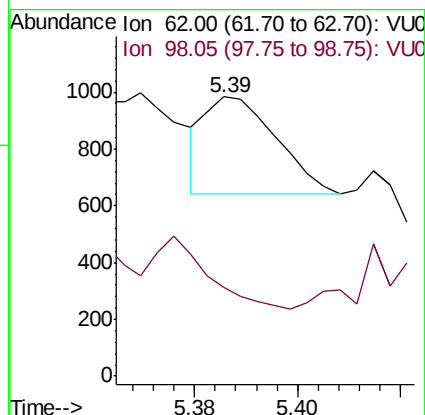
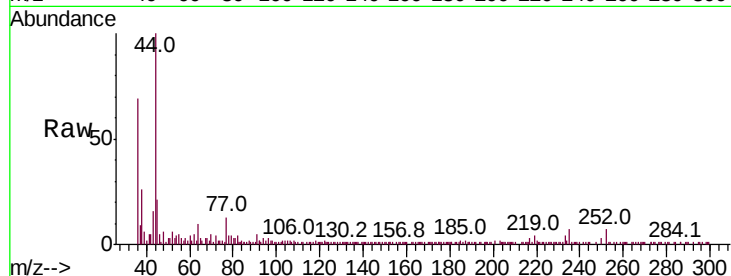
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 325

Ion Ratio Lower Upper

62 100

98 31.8 6.2 9.4#



#69

Naphthalene

Concen: 0.177 ug/L

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU028297.D

Acq: 20 Nov 2018 22:55

Tgt Ion: 128 Resp: 3394

Ion Ratio Lower Upper

128 100

129 6.8 8.6 12.8#

127 17.6 10.7 16.1#

