

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U120718\
 Data File : VU028532.D
 Acq On : 07 Dec 2018 15:23
 Operator : MD/SY
 Sample : J6299-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F39

Quant Time: Dec 07 22:57:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 22:52:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	104216	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	100504	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	46513	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65614	70.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	140.14%#
7) Chloroethane-d5	1.68	69	49468	68.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	137.94%#
11) 1,1-Dichloroethene-d2	2.27	63	87229	52.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.06%
21) 2-Butanone-d5	4.17	46	106420	139.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	139.70%#
24) Chloroform-d	4.65	84	102323	68.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	136.24%#
26) 1,2-Dichloroethane-d4	5.31	65	70667	69.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	138.60%#
32) Benzene-d6	5.34	84	217331	69.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	139.44%#
36) 1,2-Dichloropropane-d6	6.33	67	78372	69.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	139.42%#
41) Toluene-d8	7.57	98	188849	66.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	133.70%#
43) trans-1,3-Dichloropropene-	7.85	79	35350	69.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	138.86%#
47) 2-Hexanone-d5	8.31	63	75364	139.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	139.27%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	97114	67.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	135.04%#
64) 1,2-Dichlorobenzene-d4	11.86	152	66894	71.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	143.96%#

Target Compounds

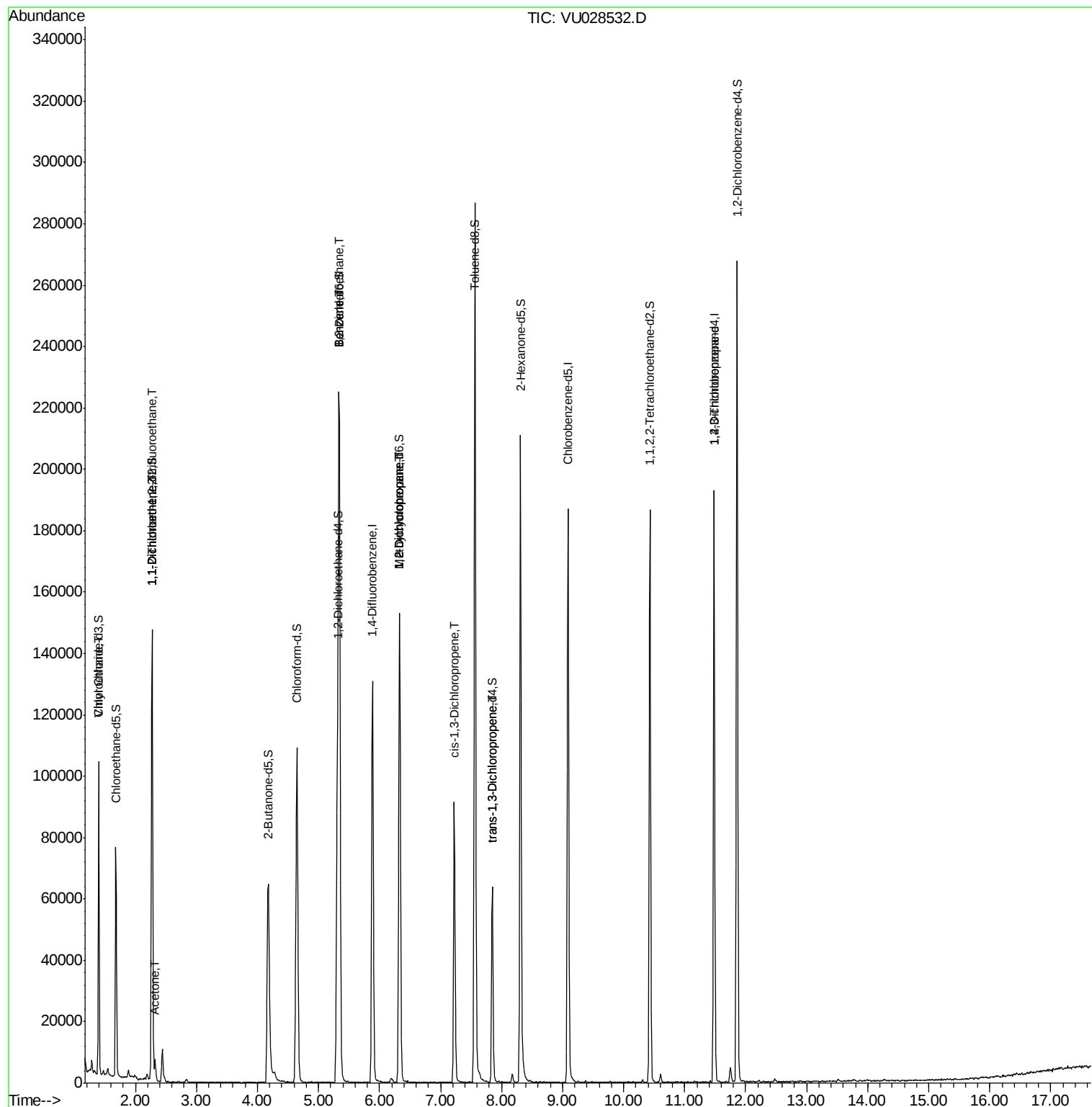
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Chloroethane	1.40	64	963	1.512	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	645	0.949	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	556	0.853	ug/L #	1
13) Acetone	2.32	43	6792	8.567	ug/L	92
27) 1,2-Dichloroethane	5.34	62	1301	1.073	ug/L #	76
33) Benzene	5.34	78	1572	0.459	ug/L	100
35) Methylcyclohexane	6.33	83	15863	11.141	ug/L #	15
37) 1,2-Dichloropropane	6.33	63	8014	7.896	ug/L #	91
39) cis-1,3-Dichloropropene	7.23	75	2029	1.407	ug/L #	77
44) trans-1,3-Dichloropropene	7.85	75	1569	1.187	ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	6485	5.619	ug/L	94

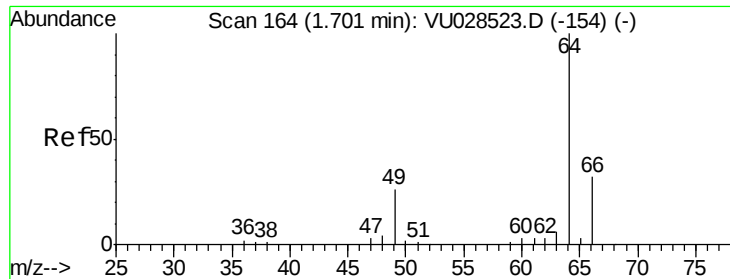
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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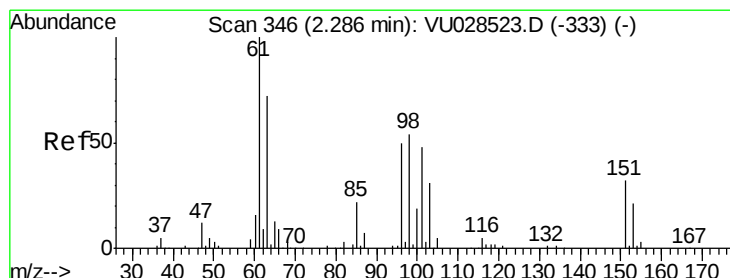
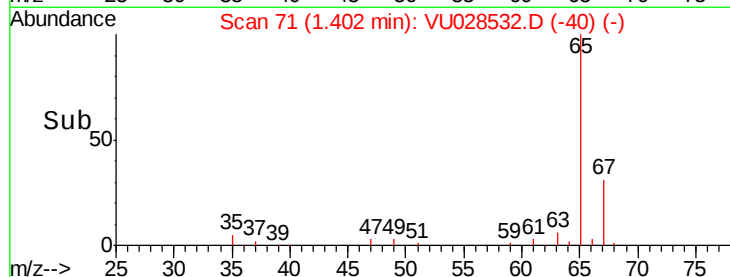
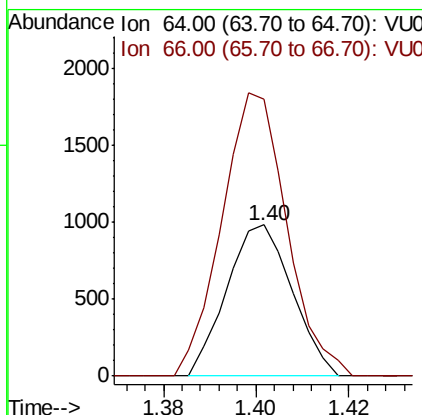
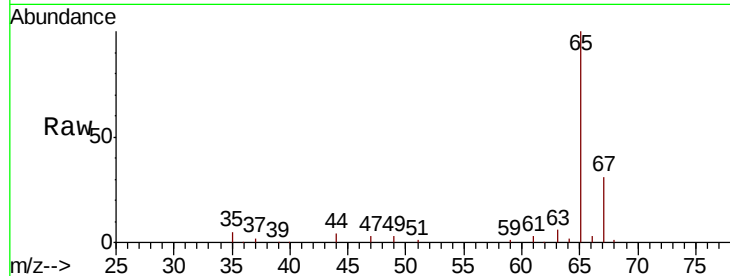




#8
 Chloroethane
 Concen: 1.512 ug/L
 RT: 1.40 min Scan# 71
 Delta R.T. -0.30 min
 Lab File: VU028532.D
 Acq: 07 Dec 2018 15:23

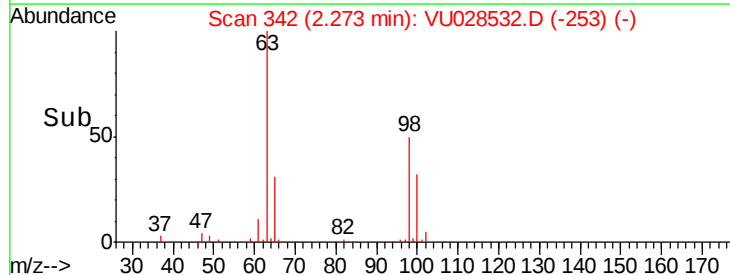
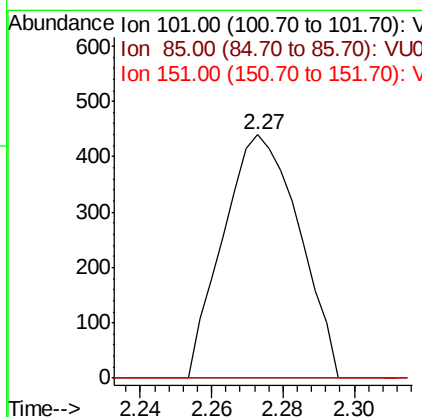
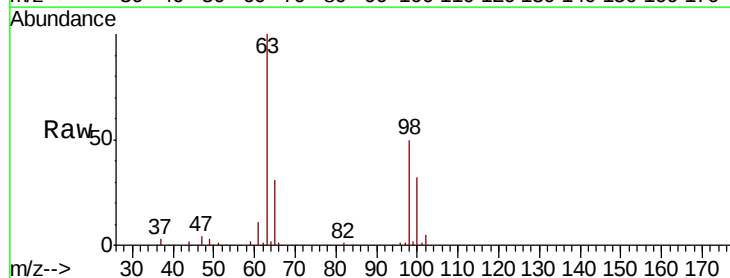
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F39

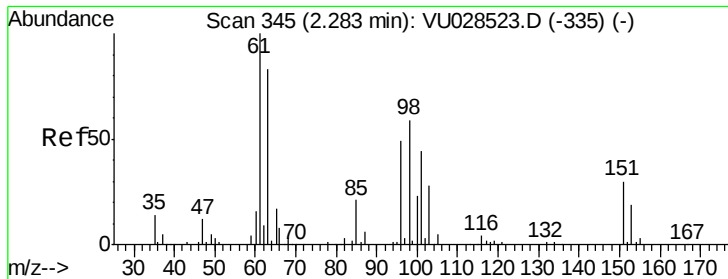
Tgt Ion: 64 Resp: 963
 Ion Ratio Lower Upper
 64 100
 66 183.6 22.4 41.6#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.949 ug/L
 RT: 2.27 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VU028532.D
 Acq: 07 Dec 2018 15:23

Tgt Ion: 101 Resp: 645
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.8 55.2#
 151 0.0 55.8 83.8#





#12

1,1-Dichloroethene

Concen: 0.853 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028532.D

Acq: 07 Dec 2018 15:23

Instrument :

MSVOA_U

ClientSampled :

F9F39

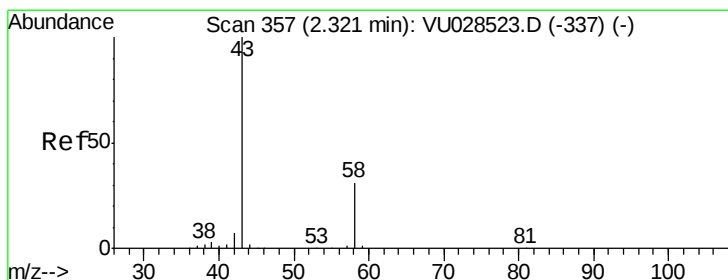
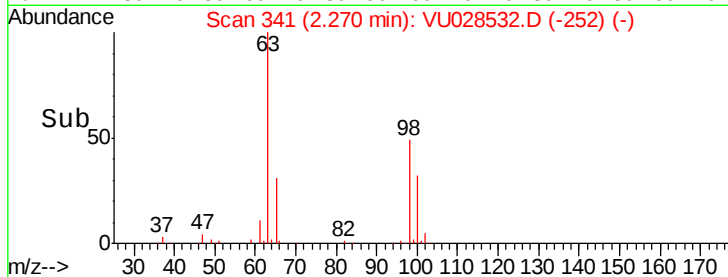
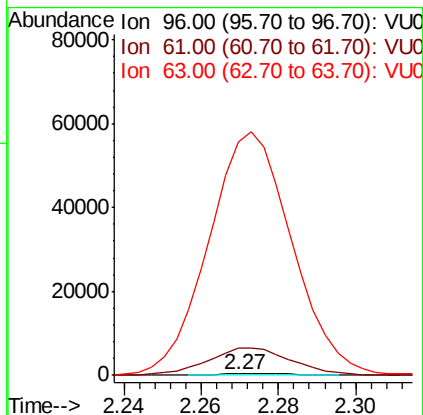
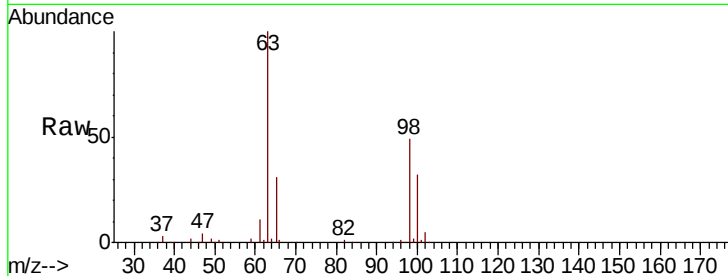
Tgt Ion: 96 Resp: 556

Ion Ratio Lower Upper

96 100

61 1698.9 143.2 266.0#

63 14800.0 130.1 241.7#



#13

Acetone

Concen: 8.567 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028532.D

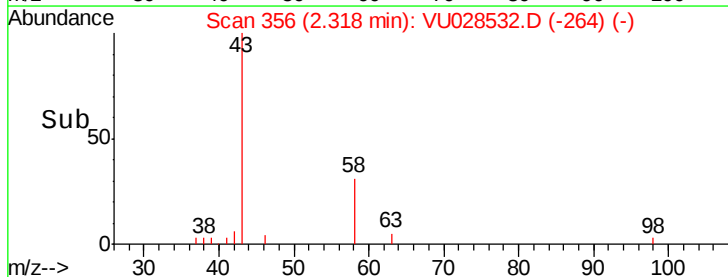
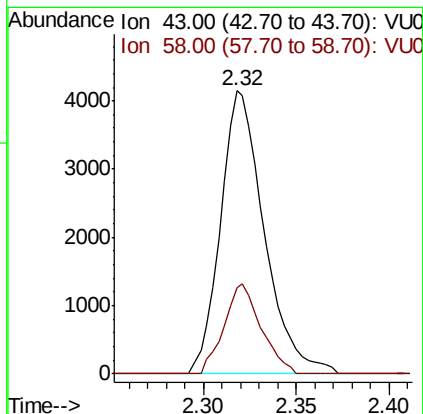
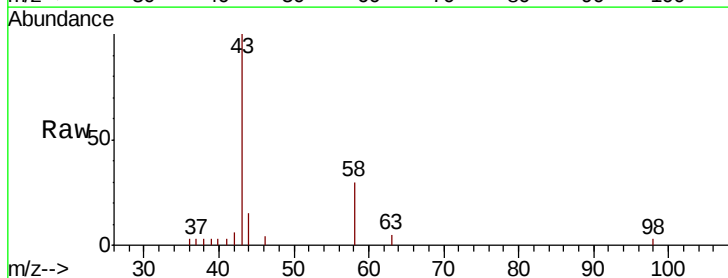
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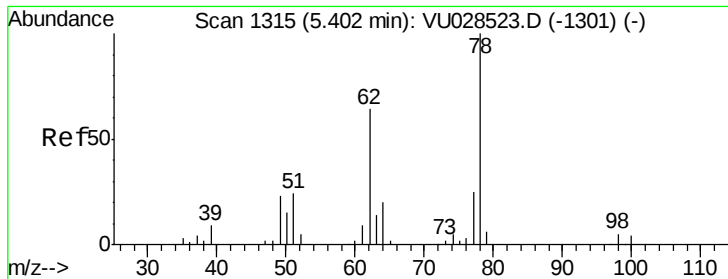
Tgt Ion: 43 Resp: 6792

Ion Ratio Lower Upper

43 100

58 26.9 0.0 62.0





#27

1,2-Dichloroethane

Concen: 1.073 ug/L

RT: 5.34 min Scan# 1297

Delta R.T. -0.06 min

Lab File: VU028532.D

Acq: 07 Dec 2018 15:23

Instrument :

MSVOA_U

ClientSampleId :

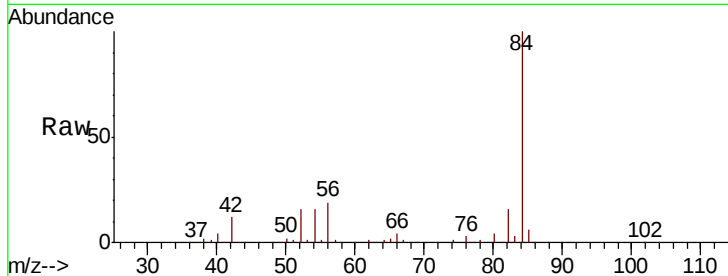
F9F39

Tgt Ion: 62 Resp: 1301

Ion Ratio Lower Upper

62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.34

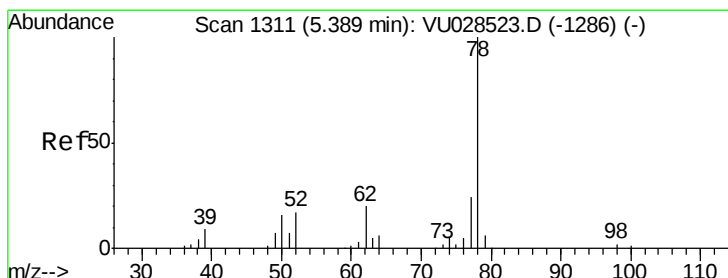
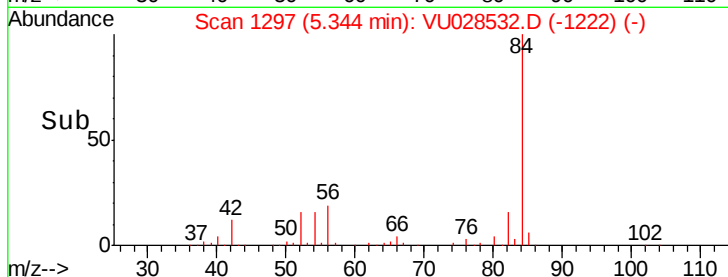
600

400

200

0

Time-->



#33

Benzene

Concen: 0.459 ug/L

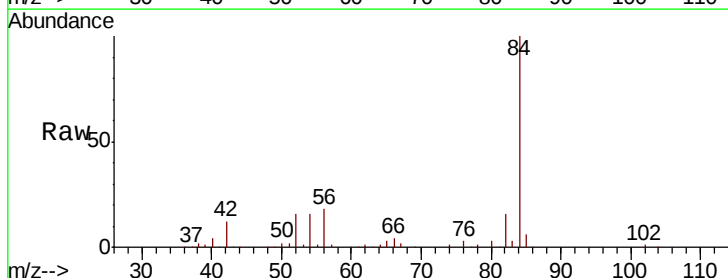
RT: 5.34 min Scan# 1296

Delta R.T. -0.05 min

Lab File: VU028532.D

Acq: 07 Dec 2018 15:23

Tgt Ion: 78 Resp: 1572



Abundance Ion 78.00 (77.70 to 78.70): VU0

800

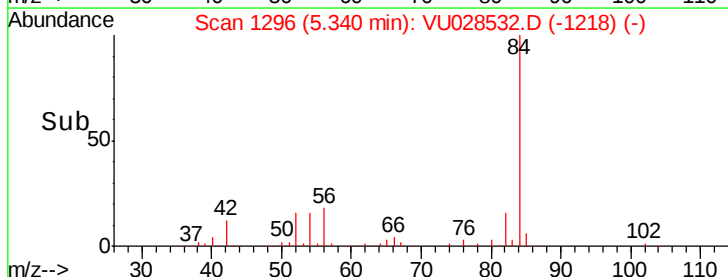
600

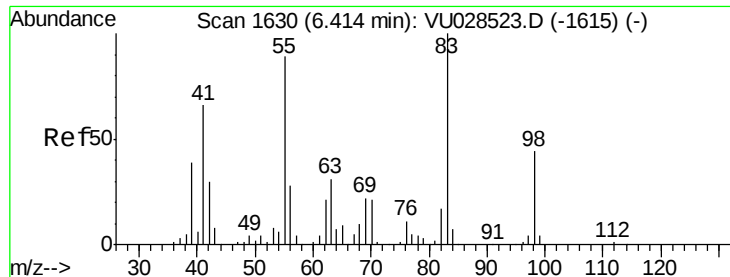
400

200

0

Time-->





#35

Methylcyclohexane

Concen: 11.141 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.09 min

Lab File: VU028532.D

Acq: 07 Dec 2018 15:23

Instrument :

MSVOA_U

ClientSampleId :

F9F39

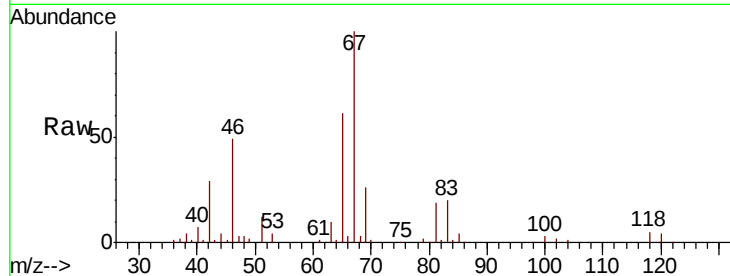
Tgt Ion: 83 Resp: 15863

Ion Ratio Lower Upper

83 100

55 0.0 70.1 105.1#

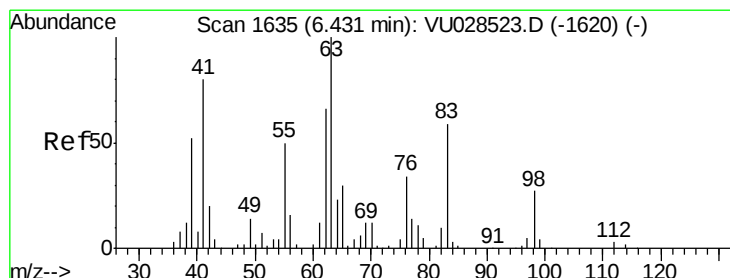
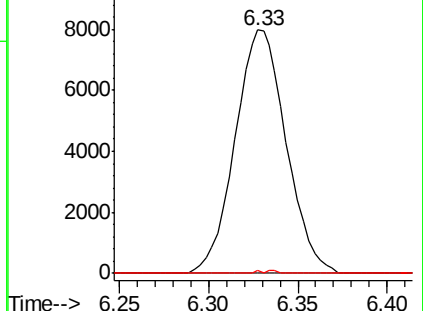
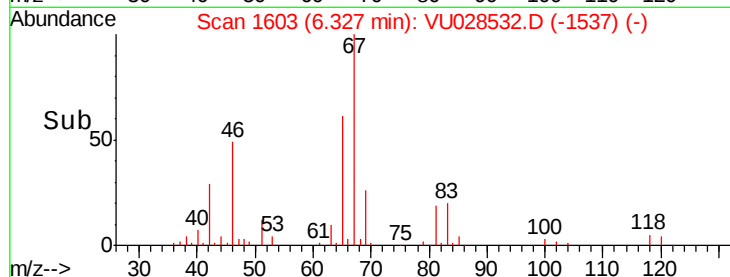
98 0.1 34.4 51.6#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#37

1,2-Dichloropropane

Concen: 7.896 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU028532.D

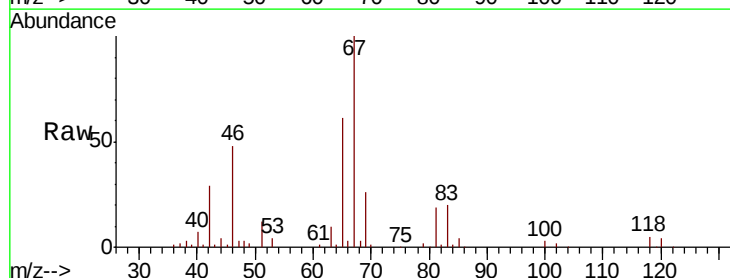
Acq: 07 Dec 2018 15:23

Tgt Ion: 63 Resp: 8014

Ion Ratio Lower Upper

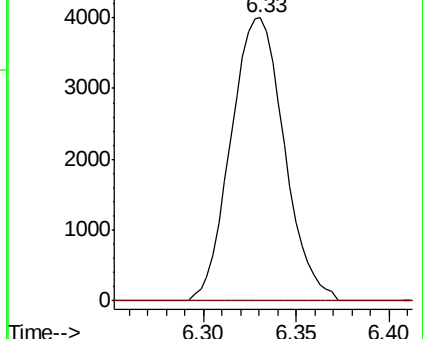
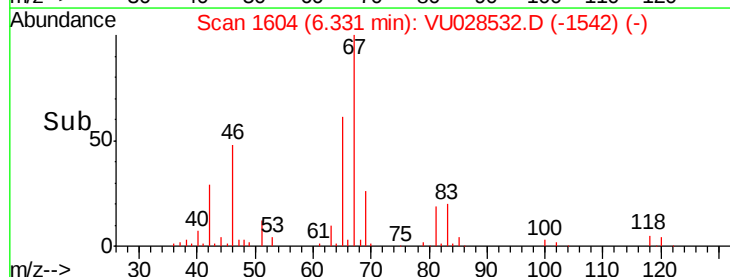
63 100

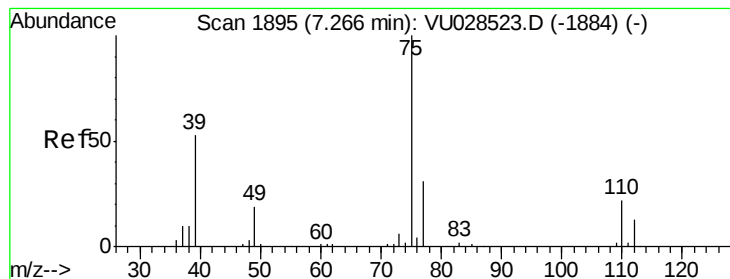
112 0.0 2.4 3.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



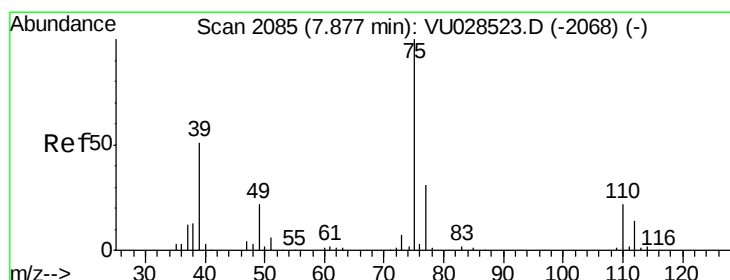
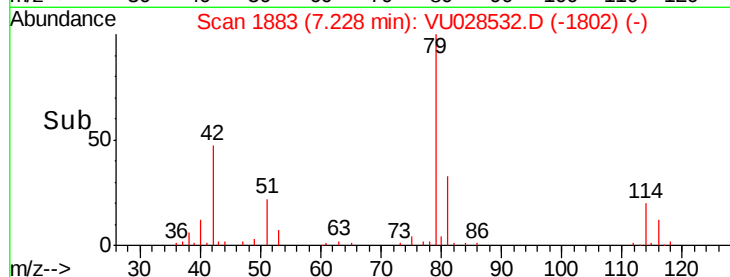
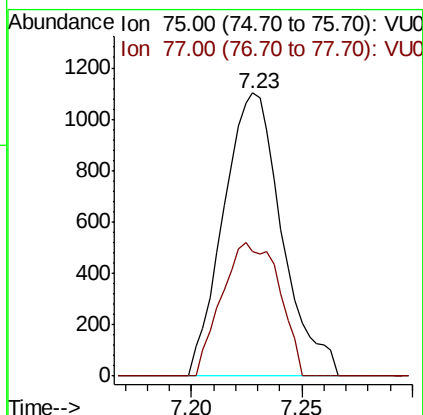
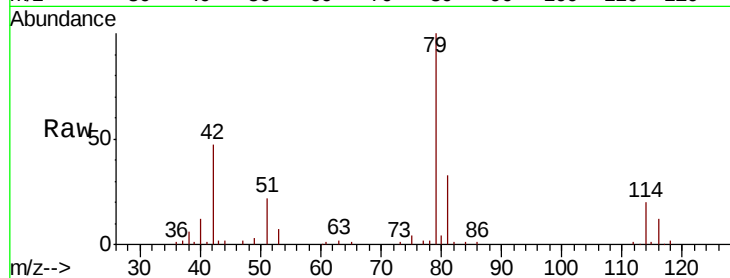


#39

cis-1,3-Dichloropropene
Concen: 1.407 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
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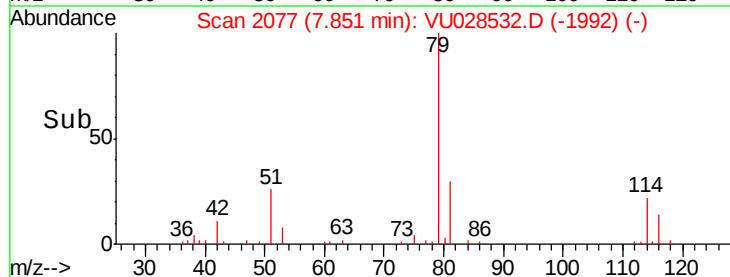
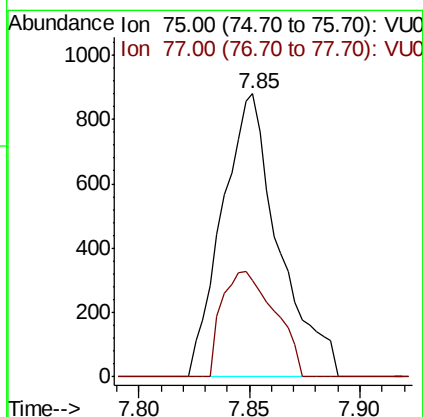
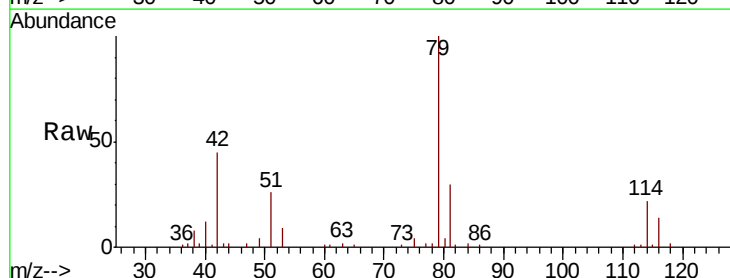
Tgt Ion: 75 Resp: 2029
Ion Ratio Lower Upper
75 100
77 43.9 21.8 40.6#

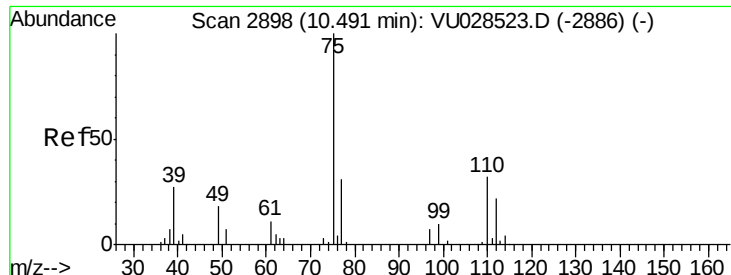


#44

trans-1,3-Dichloropropene
Concen: 1.187 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU028532.D
Acq: 07 Dec 2018 15:23

Tgt Ion: 75 Resp: 1569
Ion Ratio Lower Upper
75 100
77 34.2 21.8 40.6





#59

1,2,3-Trichloropropane

Concen: 5.619 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028532.D

Acq: 07 Dec 2018 15:23

Instrument :

MSVOA_U

ClientSampleId :

F9F39

Tgt Ion: 75 Resp: 6485

Ion Ratio Lower Upper

75 100

77 35.3 25.4 38.2

