

Data File : VU028850.D
Acq On : 21 Dec 2018 01:32
Operator : MD/SY
Sample : J6513-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9F57

Quant Time: Dec 21 06:03:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	242533	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	223973	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97399	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74426	38.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.56%
7) Chloroethane-d5	1.68	69	61365	40.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.72%
11) 1,1-Dichloroethene-d2	2.27	63	98075	29.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.98%#
21) 2-Butanone-d5	4.17	46	130185	95.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.57%
24) Chloroform-d	4.65	84	131976	43.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.32%
26) 1,2-Dichloroethane-d4	5.31	65	84242	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.40%
32) Benzene-d6	5.34	84	286126	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.44%
36) 1,2-Dichloropropane-d6	6.33	67	99800	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.86%
41) Toluene-d8	7.57	98	257974	44.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.98%
43) trans-1,3-Dichloropropene-	7.85	79	43667	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.68%
47) 2-Hexanone-d5	8.31	63	107874	105.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138848	46.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	93612	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%

Target Compounds

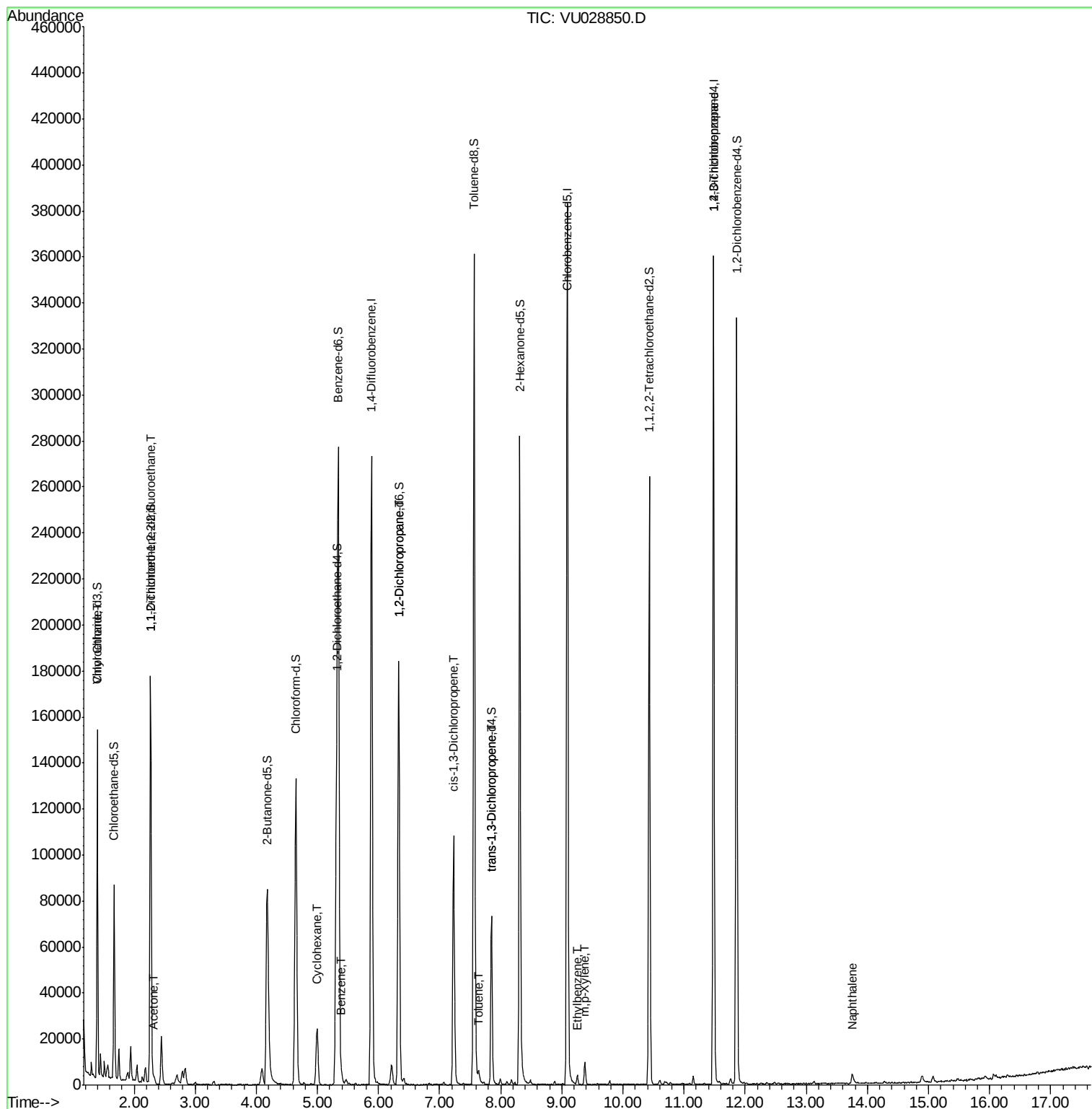
					Qvalue	
8) Chloroethane	1.40	64	1064	0.785	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	929	0.591	ug/L #	20
13) Acetone	2.32	43	3145	2.265	ug/L	76
29) Cyclohexane	4.99	56	14814	4.970	ug/L	99
33) Benzene	5.39	78	3976	0.558	ug/L	100
37) 1,2-Dichloropropane	6.33	63	9360	4.696	ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	2479	0.872	ug/L #	56
42) Toluene	7.64	91	3757	0.520	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	1355	0.535	ug/L	86
52) Ethylbenzene	9.25	91	3818	0.492	ug/L	88
53) m,p-Xylene	9.38	106	3168	1.103	ug/L	85
59) 1,2,3-Trichloropropane	11.48	75	11559	4.860	ug/L	96
69) Naphthalene	13.75	128	5358	0.808	ug/L	96

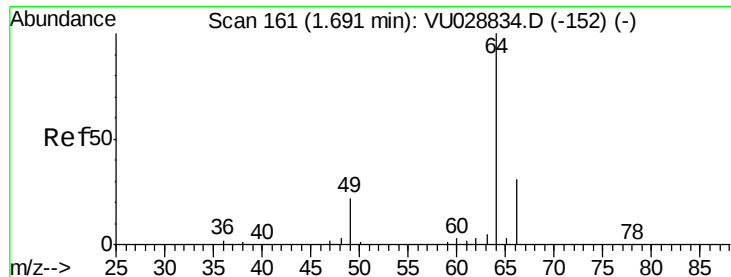
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.785 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028850.D

Acq: 21 Dec 2018 01:32

Instrument :

MSVOA_U

ClientSampleId :

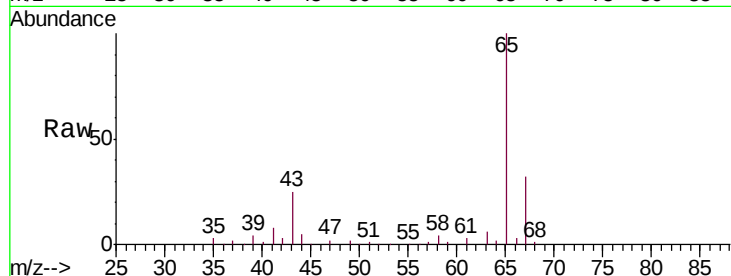
F9F57

Tgt Ion: 64 Resp: 1064

Ion Ratio Lower Upper

64 100

66 170.0 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU028834.D (-152) (-)

Ion 66.00 (65.70 to 66.70): VU028834.D (-152) (-)

1.40

1.38 1.40 1.42

2000

1500

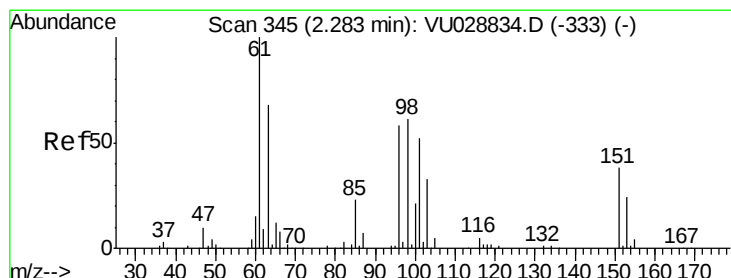
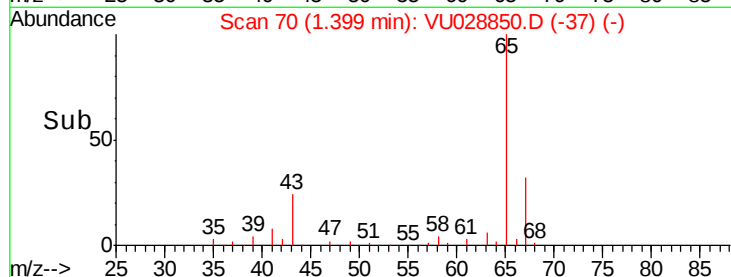
1000

500

0

1.38 1.40 1.42

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.591 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028850.D

Acq: 21 Dec 2018 01:32

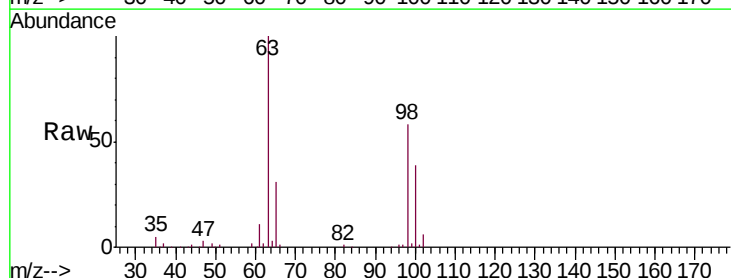
Tgt Ion: 101 Resp: 929

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 59.4 89.0#



Abundance Ion 101.00 (100.70 to 101.70): VU028834.D (-333) (-)

Ion 85.00 (84.70 to 85.70): VU028834.D (-333) (-)

Ion 151.00 (150.70 to 151.70): VU028834.D (-333) (-)

2.27

2.24 2.26 2.28 2.30

800

600

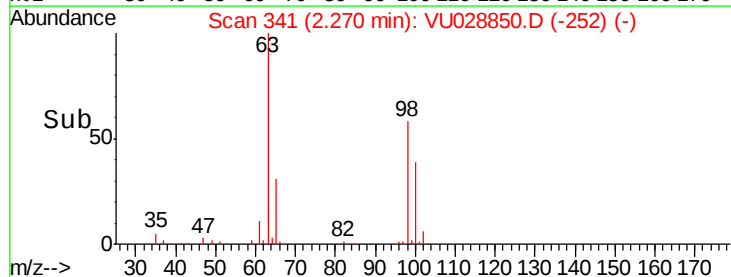
400

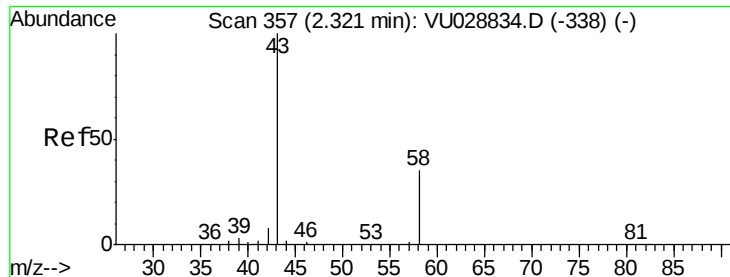
200

0

2.24 2.26 2.28 2.30

Time-->





#13

Acetone

Concen: 2.265 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028850.D

Acq: 21 Dec 2018 01:32

Instrument :

MSVOA_U

ClientSampled :

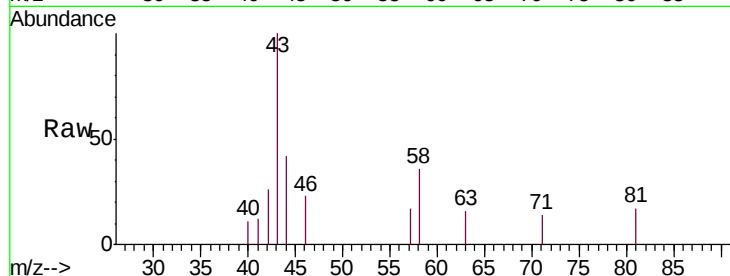
F9F57

Tgt Ion: 43 Resp: 3145

Ion Ratio Lower Upper

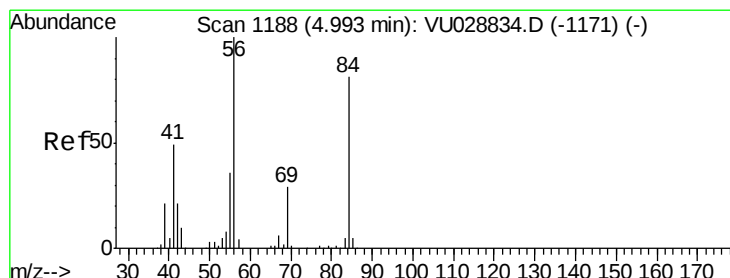
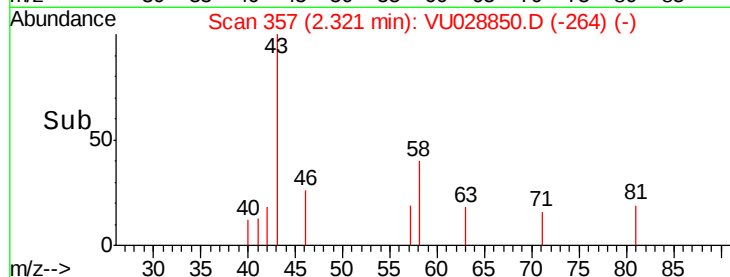
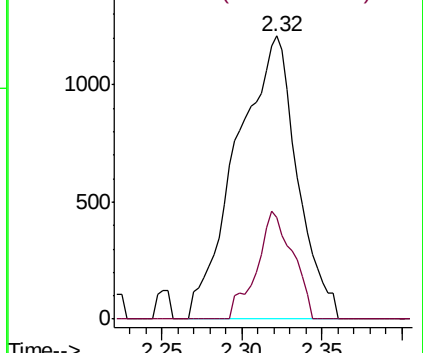
43 100

58 20.9 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#29

Cyclohexane

Concen: 4.970 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU028850.D

Acq: 21 Dec 2018 01:32

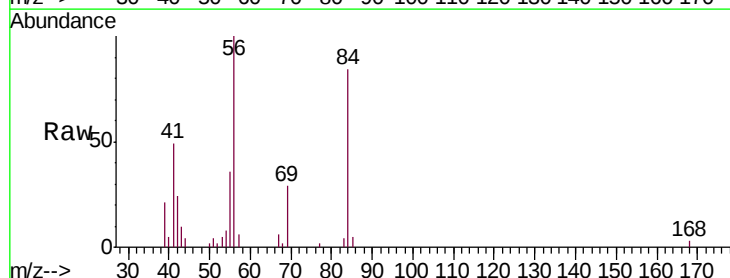
Tgt Ion: 56 Resp: 14814

Ion Ratio Lower Upper

56 100

69 28.7 23.8 35.8

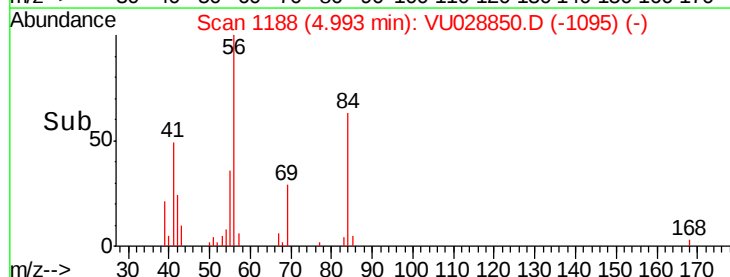
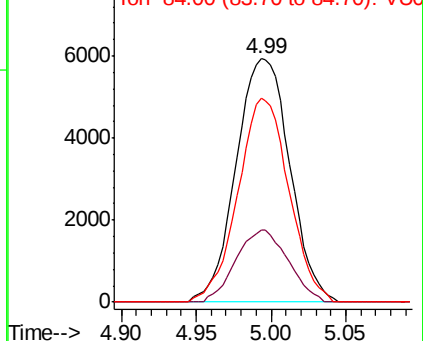
84 79.5 63.8 95.8

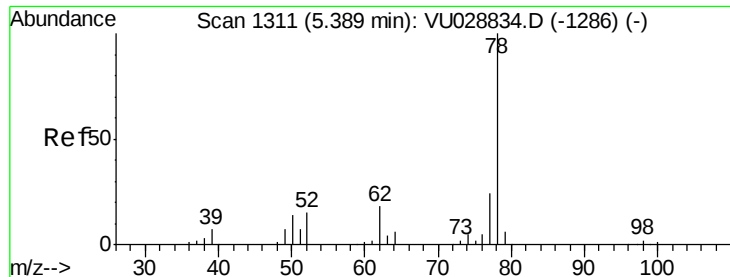


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#33

Benzene

Concen: 0.558 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU028850.D

Acq: 21 Dec 2018 01:32

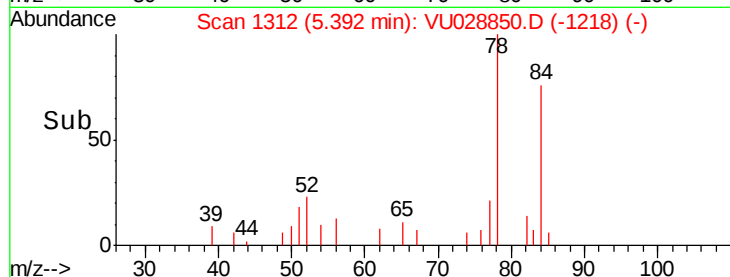
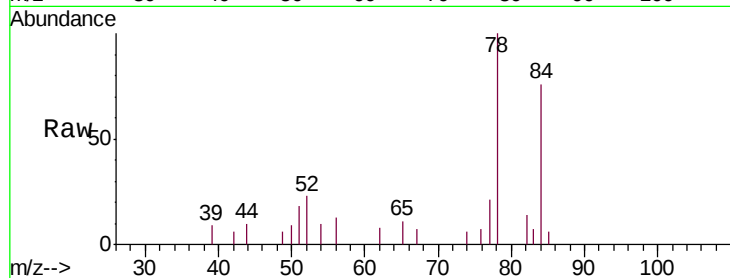
Instrument :

MSVOA_U

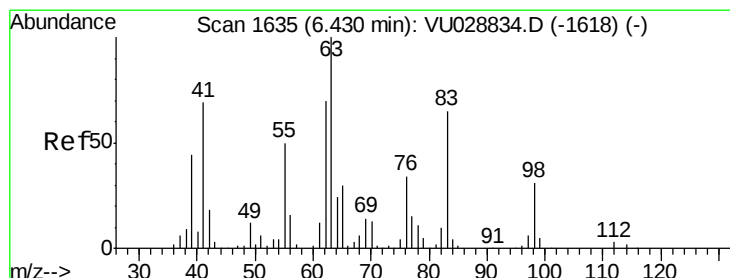
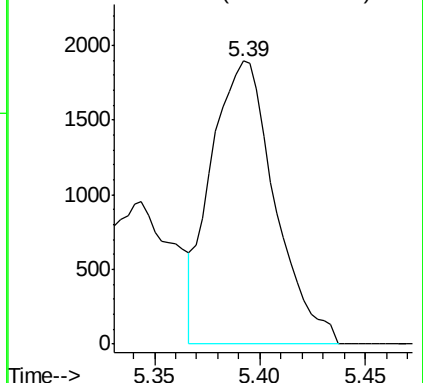
ClientSampleId :

F9F57

Tgt Ion: 78 Resp: 3976



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 4.696 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028850.D

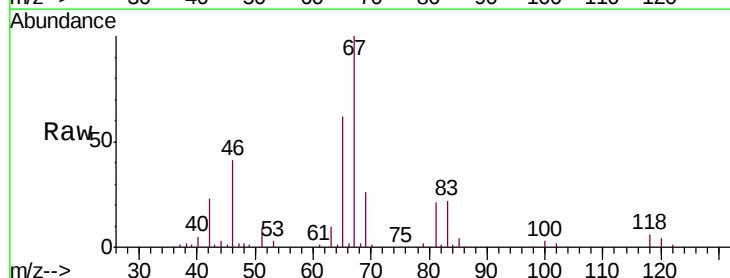
Acq: 21 Dec 2018 01:32

Tgt Ion: 63 Resp: 9360

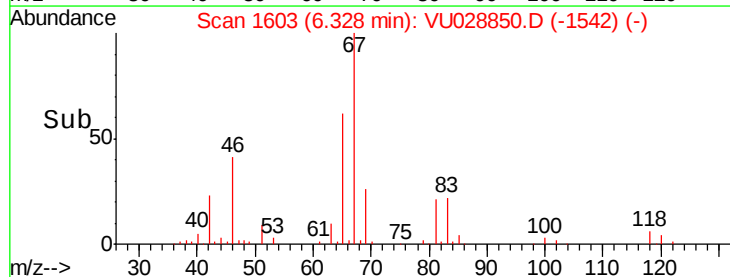
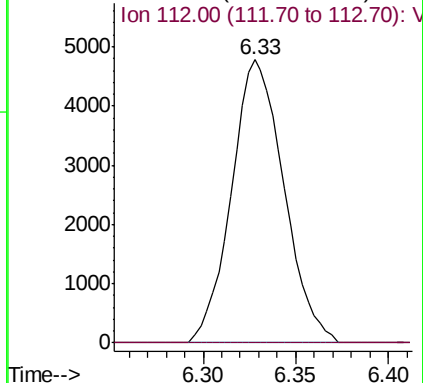
Ion Ratio Lower Upper

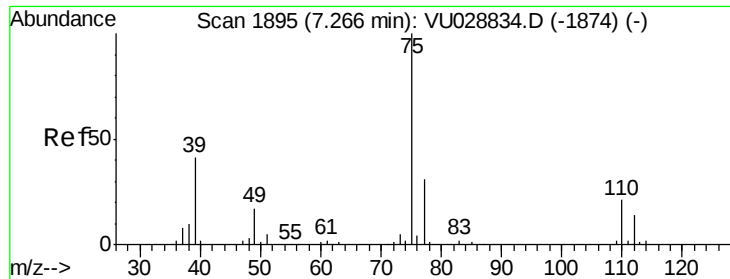
63 100

112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0

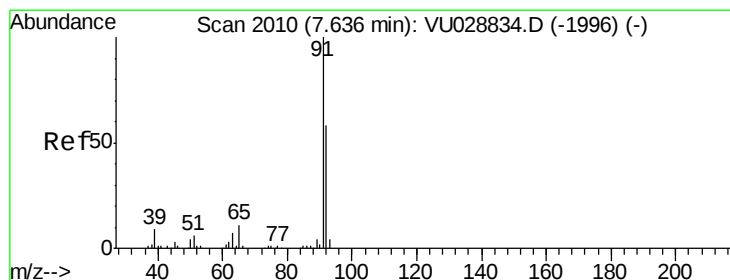
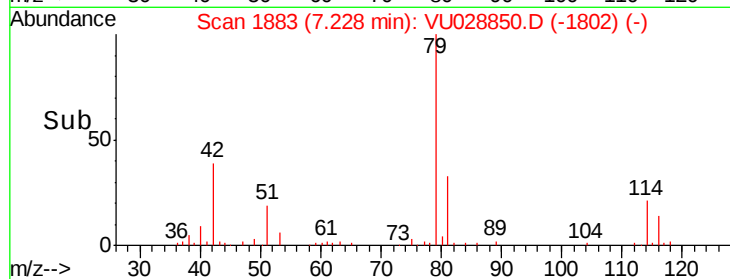
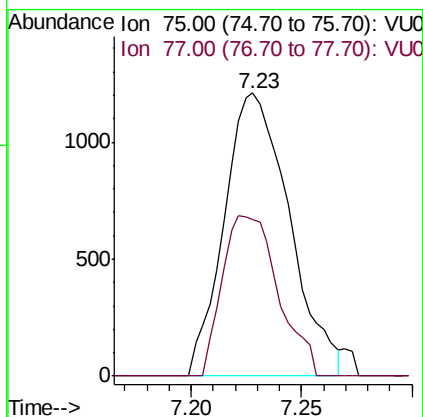
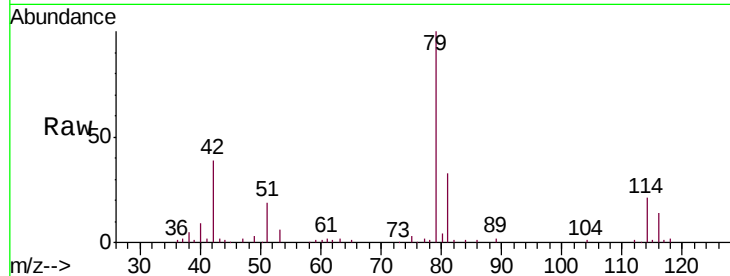




#39
 cis-1,3-Dichloropropene
 Concen: 0.872 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028850.D
 Acq: 21 Dec 2018 01:32

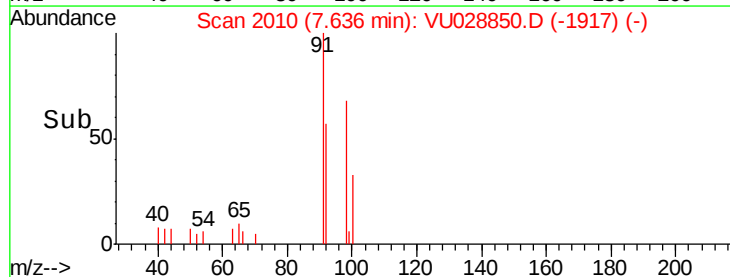
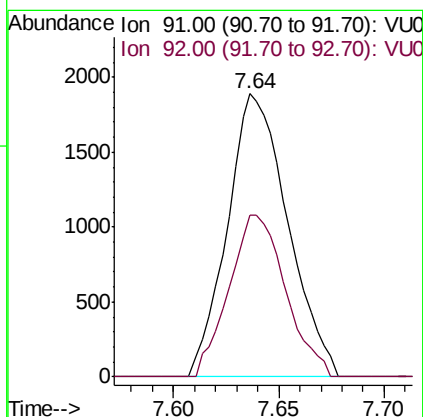
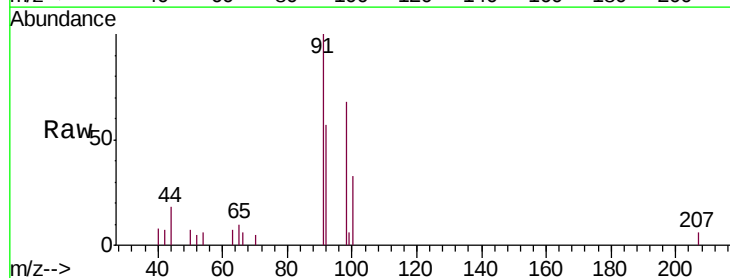
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F57

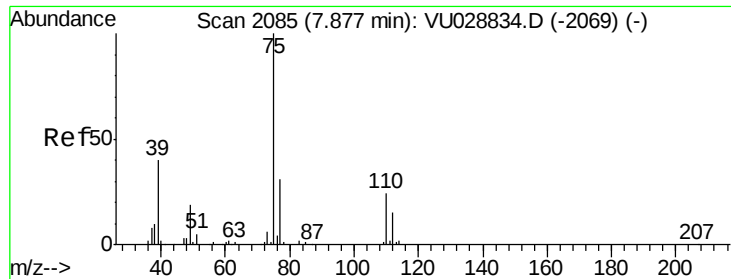
Tgt Ion: 75 Resp: 2479
 Ion Ratio Lower Upper
 75 100
 77 55.3 21.8 40.6#



#42
 Toluene
 Concen: 0.520 ug/L
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028850.D
 Acq: 21 Dec 2018 01:32

Tgt Ion: 91 Resp: 3757
 Ion Ratio Lower Upper
 91 100
 92 57.0 39.9 74.1





#44

trans-1,3-Dichloropropene

Concen: 0.535 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028850.D

Acq: 21 Dec 2018 01:32

Instrument :

MSVOA_U

ClientSampleId :

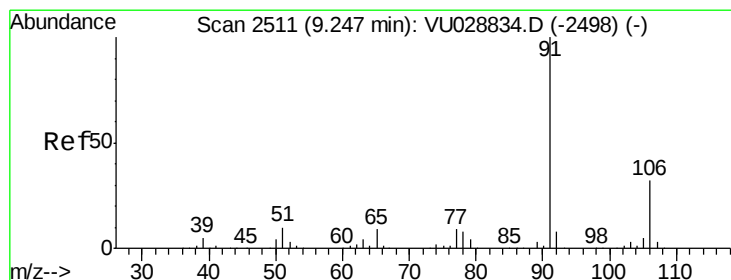
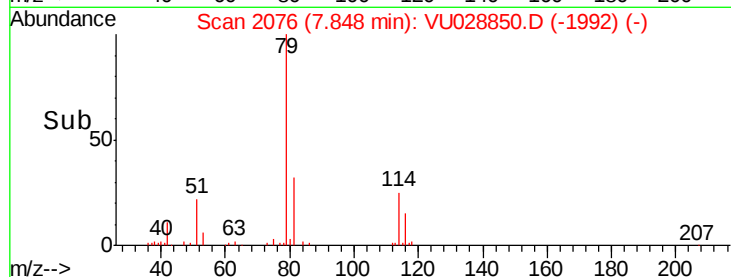
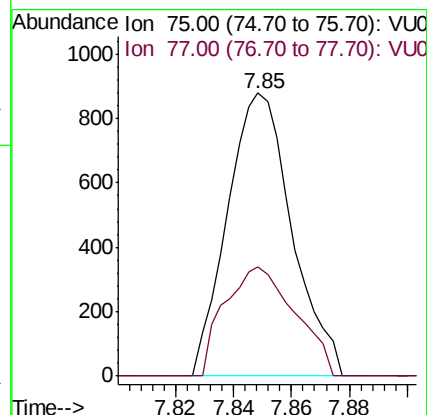
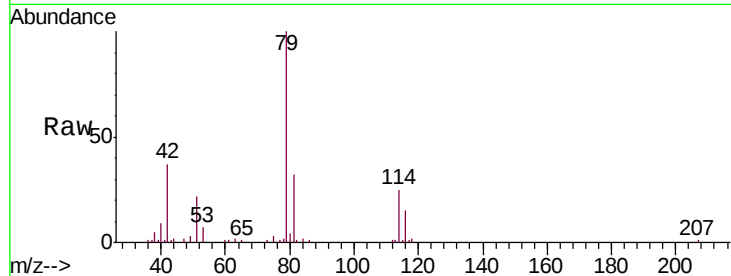
F9F57

Tgt Ion: 75 Resp: 1355

Ion Ratio Lower Upper

75 100

77 38.8 21.8 40.6



#52

Ethylbenzene

Concen: 0.492 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028850.D

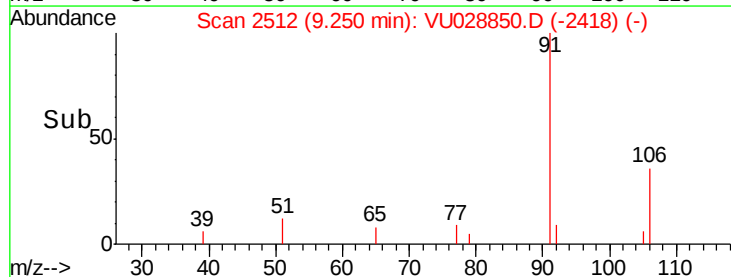
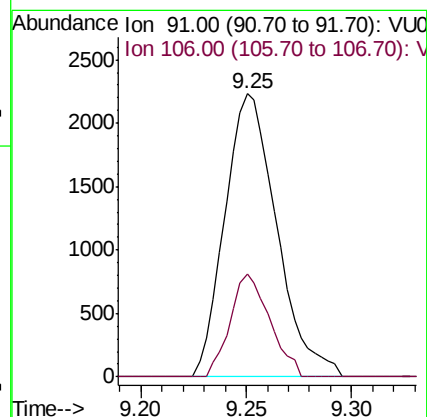
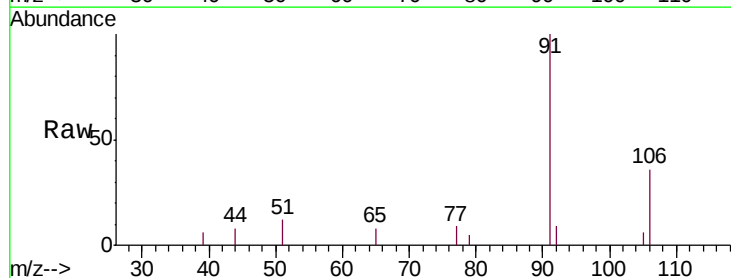
Acq: 21 Dec 2018 01:32

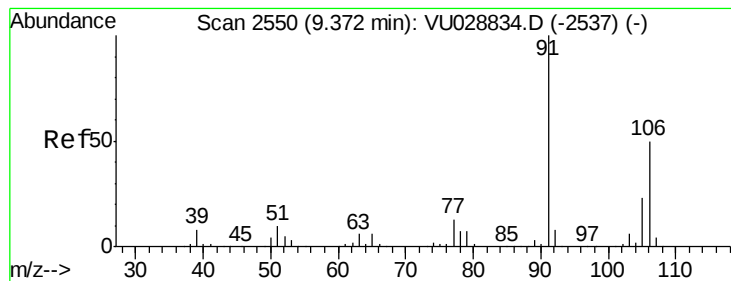
Tgt Ion: 91 Resp: 3818

Ion Ratio Lower Upper

91 100

106 36.3 20.9 38.9





#53

m,p-Xylene

Concen: 1.103 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VU028850.D

Acq: 21 Dec 2018 01:32

Instrument :

MSVOA_U

ClientSampleId :

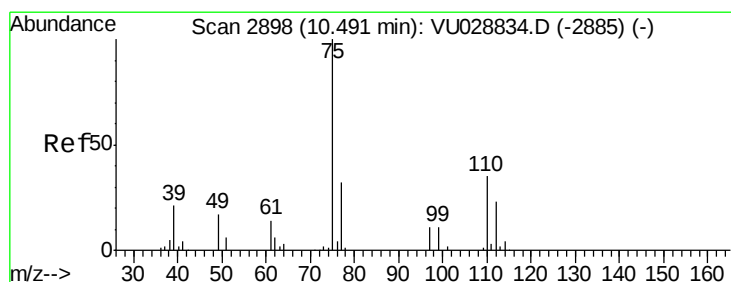
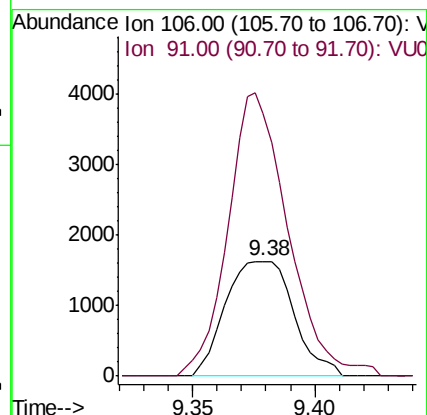
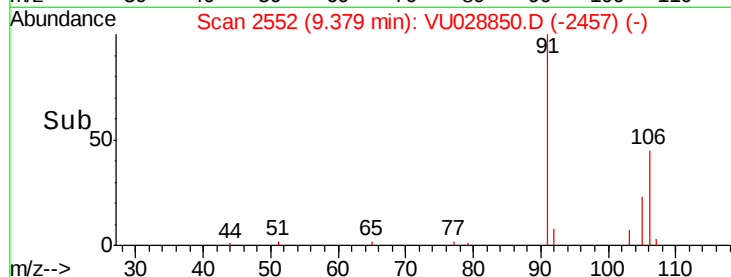
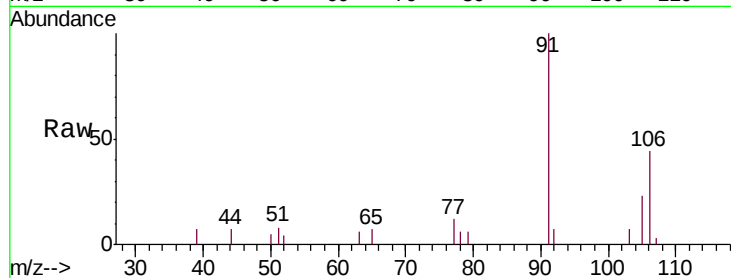
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Tgt Ion: 106 Resp: 3168

Ion Ratio Lower Upper

106 100

91 229.3 144.1 267.5



#59

1,2,3-Trichloropropane

Concen: 4.860 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028850.D

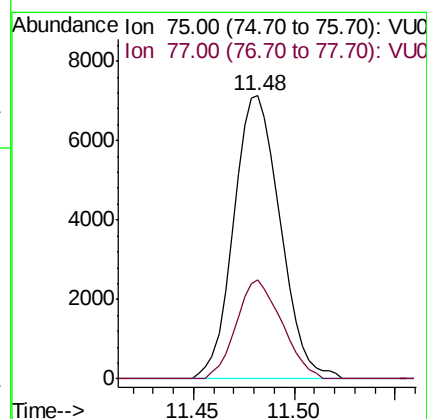
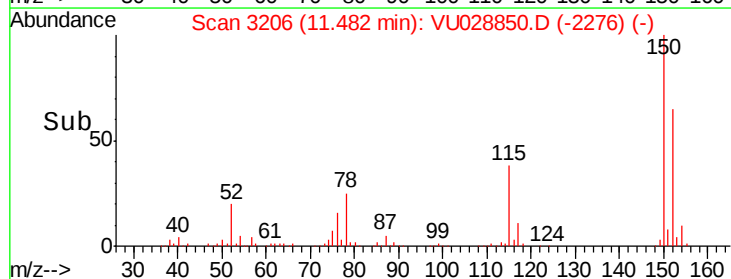
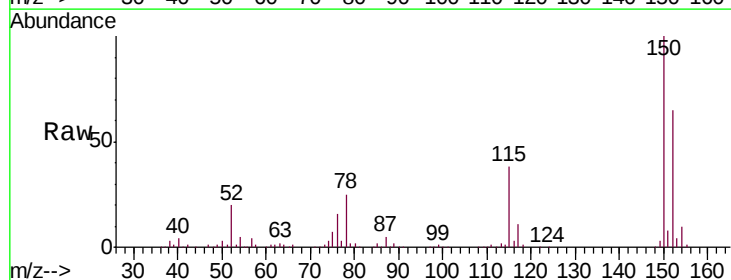
Acq: 21 Dec 2018 01:32

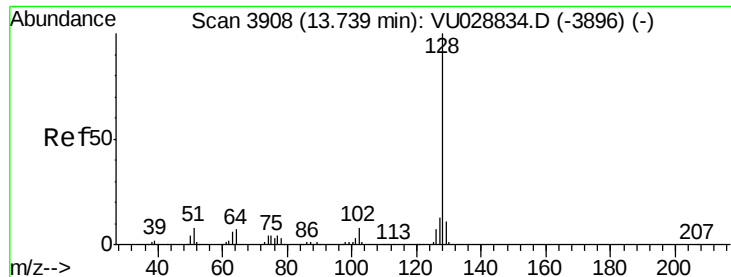
Tgt Ion: 75 Resp: 11559

Ion Ratio Lower Upper

75 100

77 34.2 25.5 38.3





#69

Naphthalene

Concen: 0.808 ug/L

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU028850.D

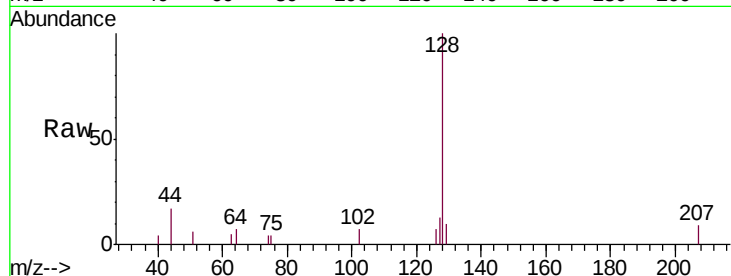
Acq: 21 Dec 2018 01:32

Instrument :

MSVOA_U

ClientSampleId :

F9F57



Tgt Ion:128 Resp: 5358

Ion Ratio Lower Upper

128 100

127 14.2 10.5 15.7

129 8.8 8.7 13.1

