

Data File : VU026828.D
Acq On : 17 Sep 2018 18:12
Operator : MD/SY
Sample : J4864-02 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0D08

Quant Time: Sep 18 01:38:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	262376	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	246288	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103054	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87553	45.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.22%
7) Chloroethane-d5	1.68	69	76167	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.70%
11) 1,1-Dichloroethene-d2	2.27	63	126886	34.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.10%
21) 2-Butanone-d5	4.18	46	129778	100.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.76%
24) Chloroform-d	4.65	84	163792	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
26) 1,2-Dichloroethane-d4	5.31	65	106087	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
32) Benzene-d6	5.34	84	339366	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
36) 1,2-Dichloropropane-d6	6.33	67	109451	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.44%
41) Toluene-d8	7.57	98	287187	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%
43) trans-1,3-Dichloropropene-	7.85	79	45564	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.78%
47) 2-Hexanone-d5	8.31	63	89453	102.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145743	47.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	111433	51.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.96%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	21118	8.579 ug/L	94
8) Chloroethane	1.70	64	692	0.449 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1061	0.586 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	2831	1.664 ug/L #	1
13) Acetone	2.32	43	1641	1.296 ug/L	81
16) Methylene chloride	2.70	84	11673	5.397 ug/L	98
19) 1,1-Dichloroethane	3.45	63	11398	3.154 ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	116094	56.329 ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	12421	4.239 ug/L	99
34) Trichloroethene	6.19	95	14156	7.726 ug/L	99
37) 1,2-Dichloropropane	6.33	63	11303	5.389 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2797	0.944 ug/L #	64
44) trans-1,3-Dichloropropene	7.85	75	2287	0.824 ug/L	90
48) 2-Hexanone	8.31	43	10437	5.191 ug/L #	65
52) Ethylbenzene	9.25	91	3734	0.461 ug/L	99
53) m,p-Xylene	9.38	106	3527	1.133 ug/L	85
59) 1,2,3-Trichloropropane	11.48	75	11452	4.558 ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091718\
Quantitation Report (Not Reviewed)

Data File : VU026828.D
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Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration

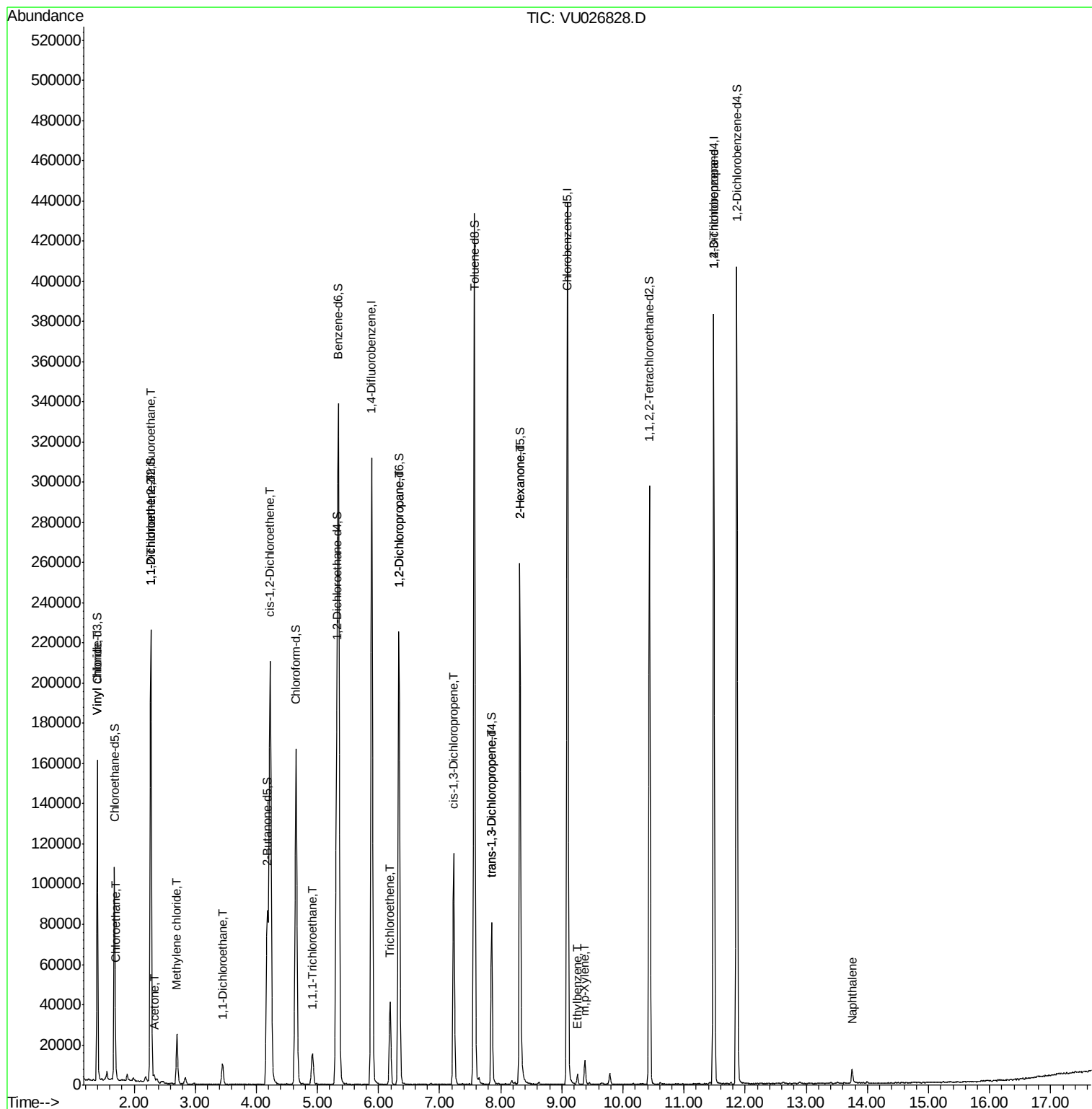
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.75	128	8267	1.339	ug/L	96

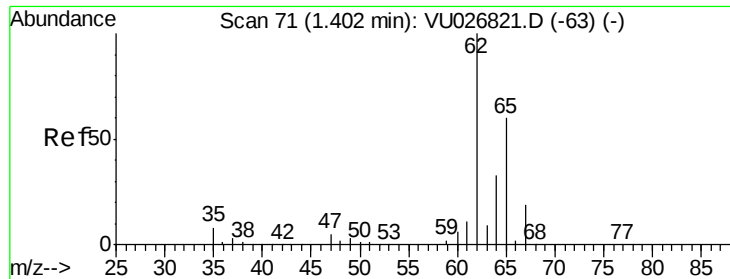
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#5

Vinyl chloride

Concen: 8.579 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

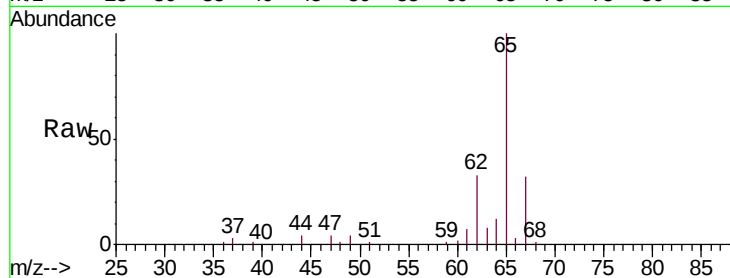
C0D08

Tgt Ion: 62 Resp: 21118

Ion Ratio Lower Upper

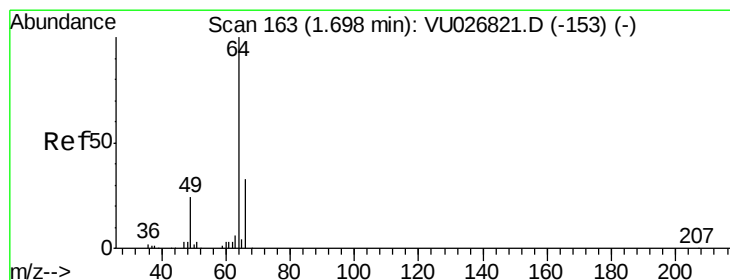
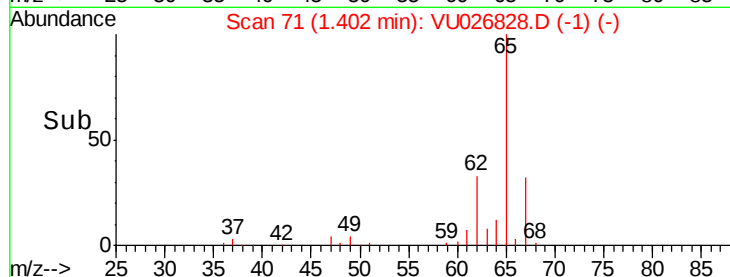
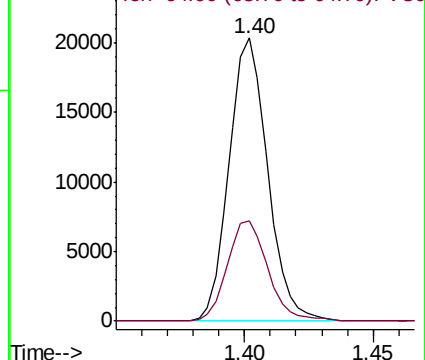
62 100

64 35.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 0.449 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026828.D

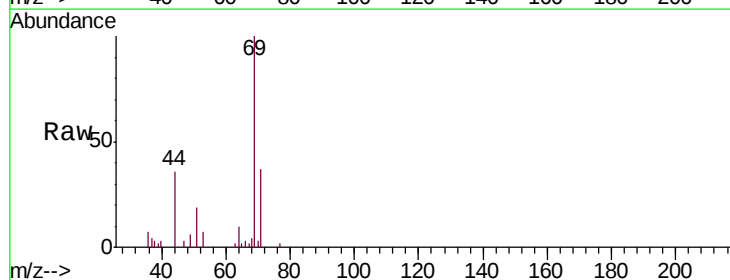
Acq: 17 Sep 2018 18:12

Tgt Ion: 64 Resp: 692

Ion Ratio Lower Upper

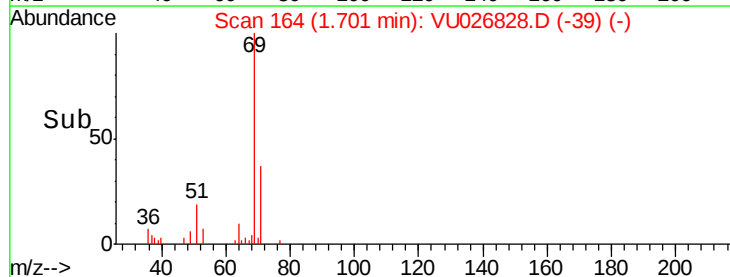
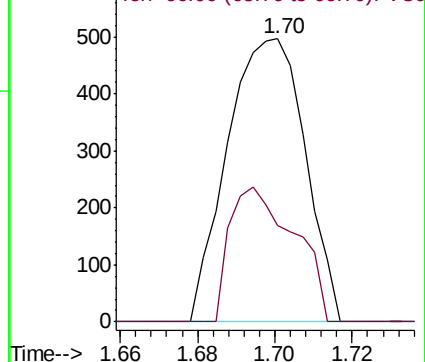
64 100

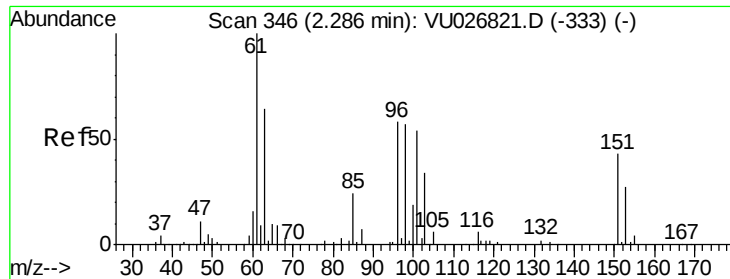
66 34.2 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#10

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

Concen: 0.586 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

C0D08

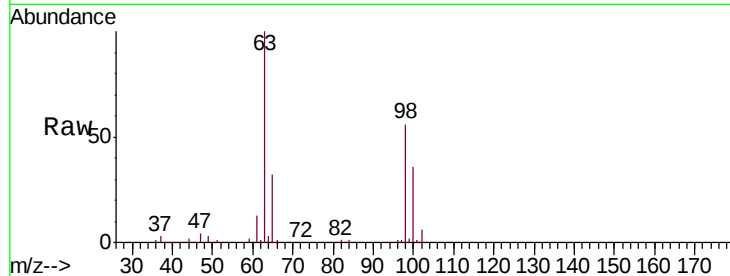
Tgt Ion: 101 Resp: 1061

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 63.0 94.4#



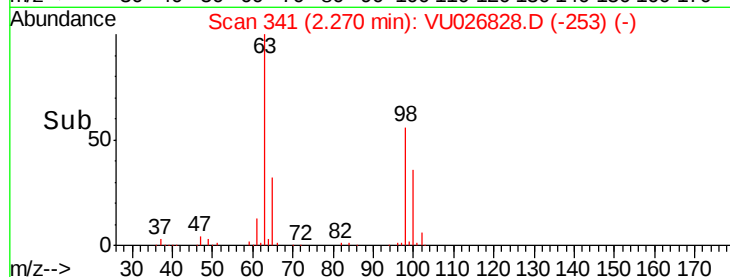
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

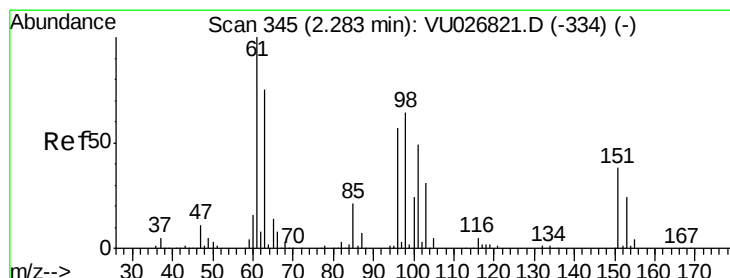
Ion 151.00 (150.70 to 151.70): V

2.27

2.24 2.26 2.28 2.30



Time-->



#12

1,1-Dichloroethene

Concen: 1.664 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

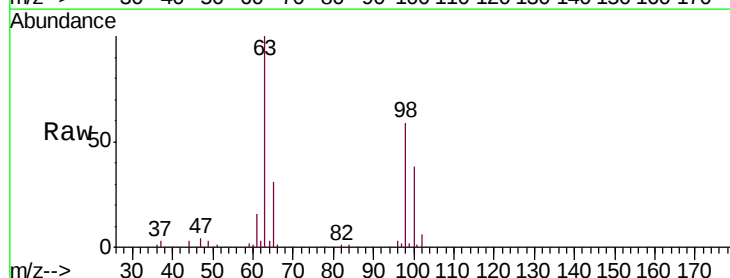
Tgt Ion: 96 Resp: 2831

Ion Ratio Lower Upper

96 100

61 502.5 124.0 230.4#

63 3216.3 97.7 181.5#



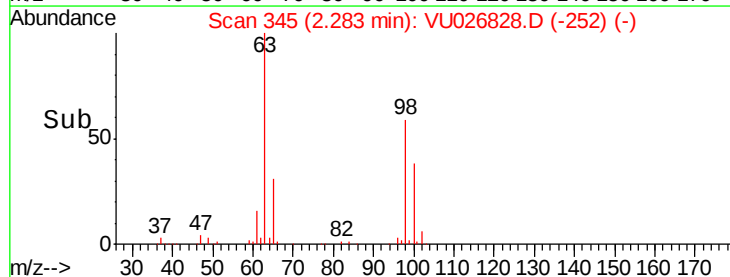
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

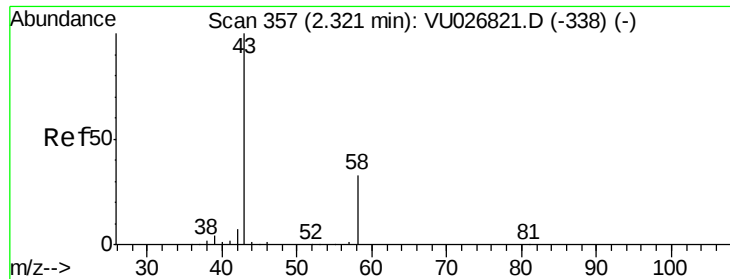
Ion 63.00 (62.70 to 63.70): VU0

2.28

2.25 2.30



Time-->



#13

Acetone

Concen: 1.296 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampled :

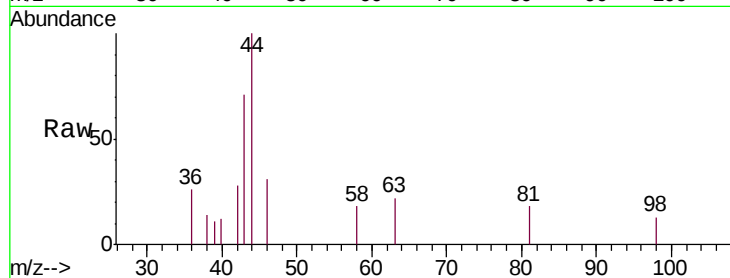
C0D08

Tgt Ion: 43 Resp: 1641

Ion Ratio Lower Upper

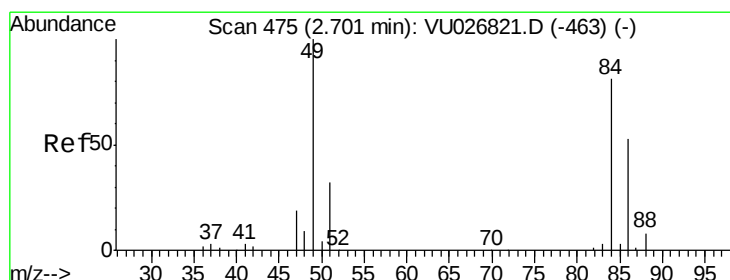
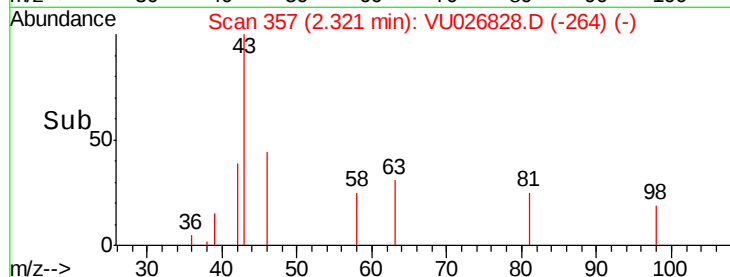
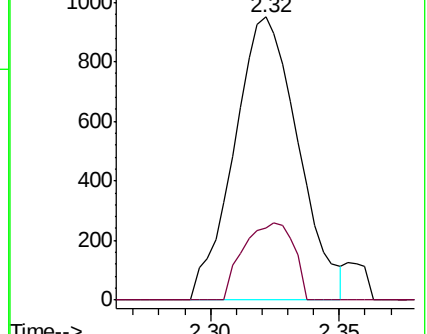
43 100

58 21.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#16

Methylene chloride

Concen: 5.397 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

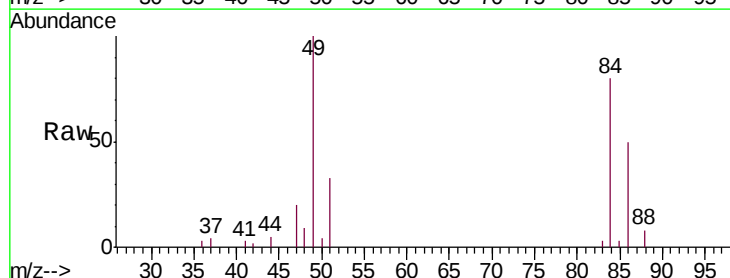
Tgt Ion: 84 Resp: 11673

Ion Ratio Lower Upper

84 100

86 62.8 45.3 84.1

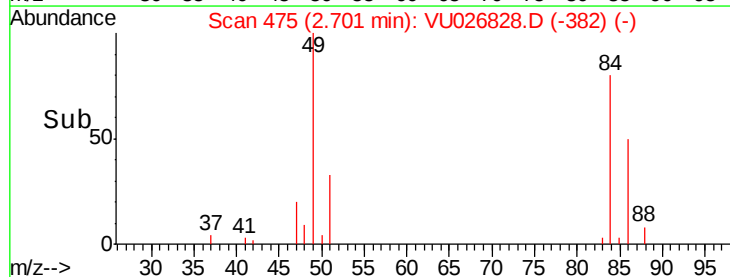
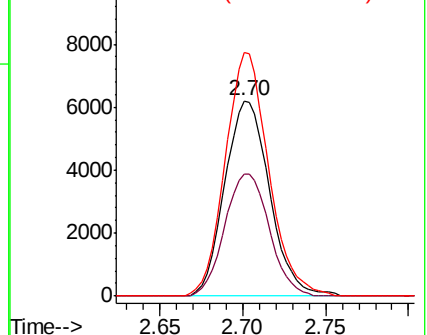
49 124.8 86.2 160.2

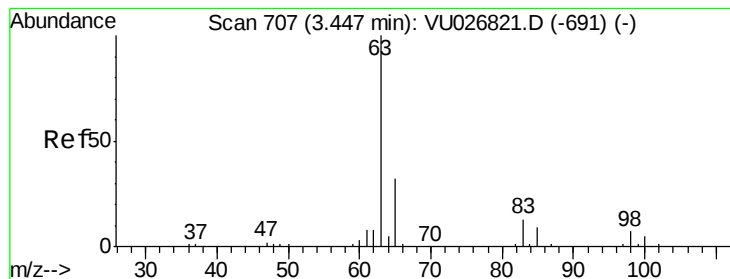


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#19

1,1-Dichloroethane

Concen: 3.154 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

C0D08

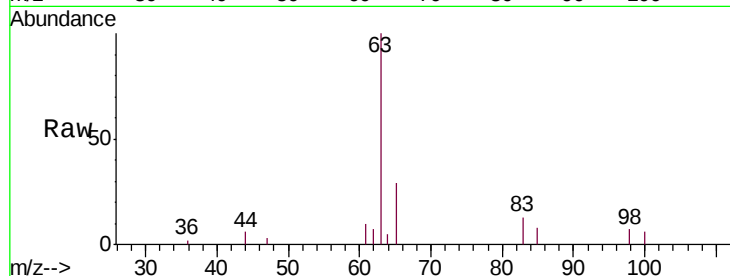
Tgt Ion: 63 Resp: 11398

Ion Ratio Lower Upper

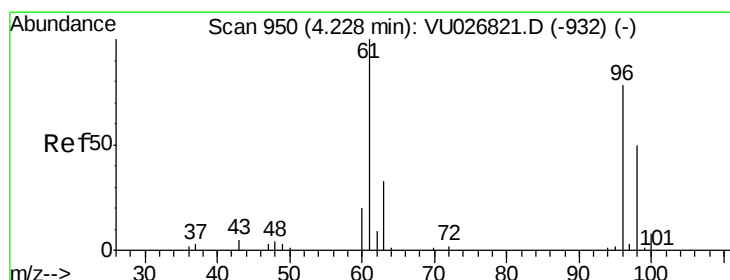
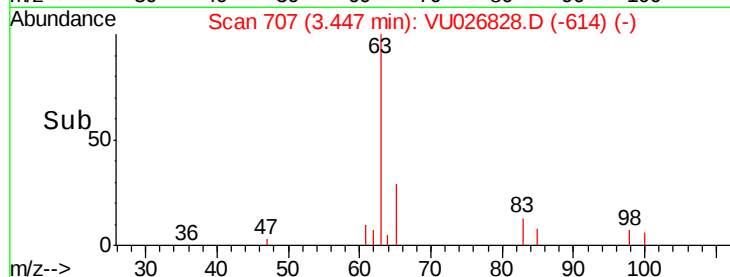
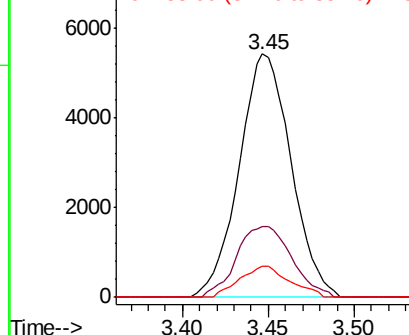
63 100

65 29.0 22.1 41.1

83 12.7 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 56.329 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

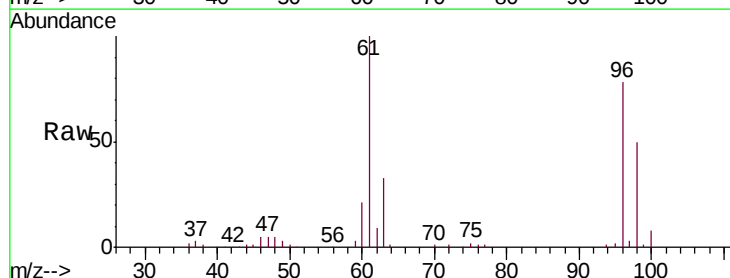
Tgt Ion: 96 Resp: 116094

Ion Ratio Lower Upper

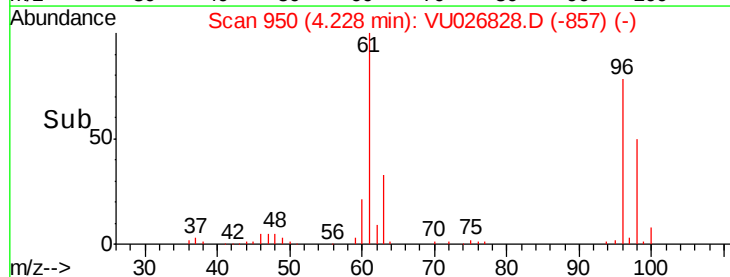
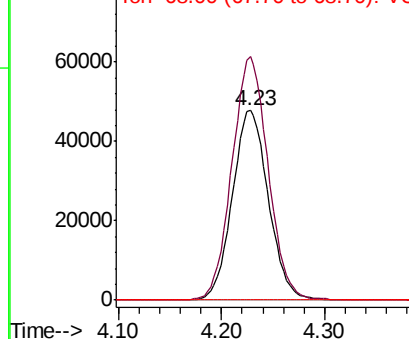
96 100

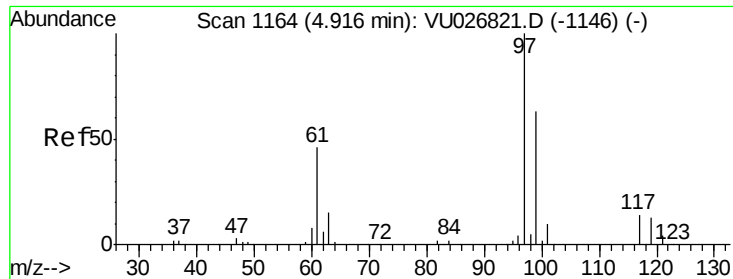
61 128.3 90.2 167.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

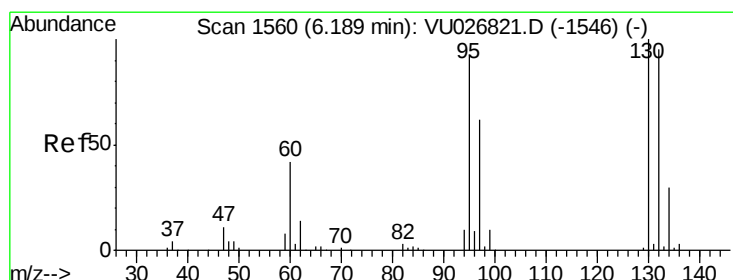
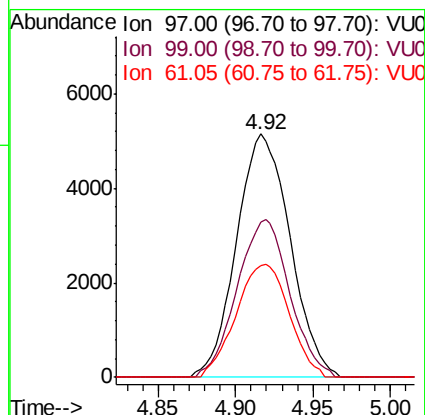
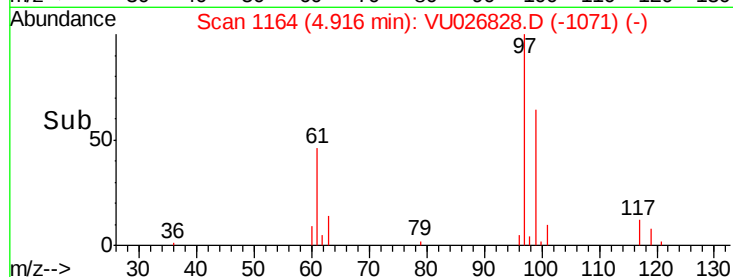
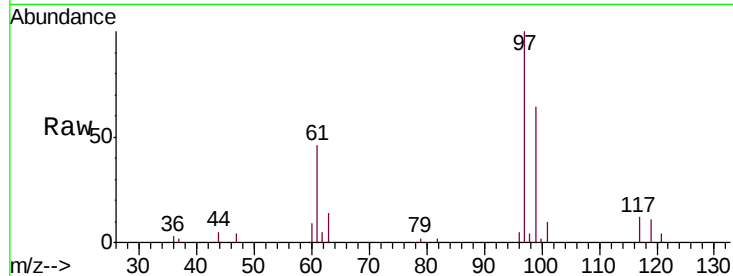




#30
 1,1,1-Trichloroethane
 Concen: 4.239 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU026828.D
 Acq: 17 Sep 2018 18:12

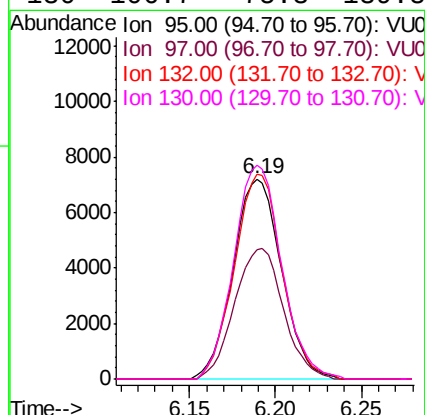
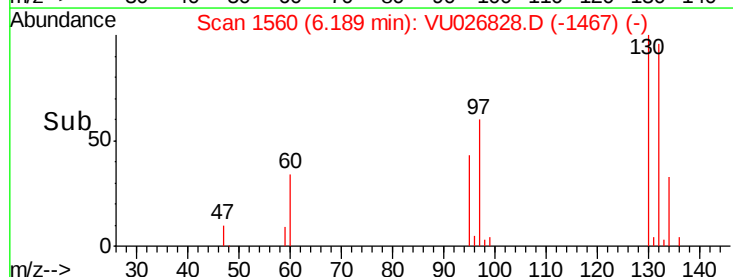
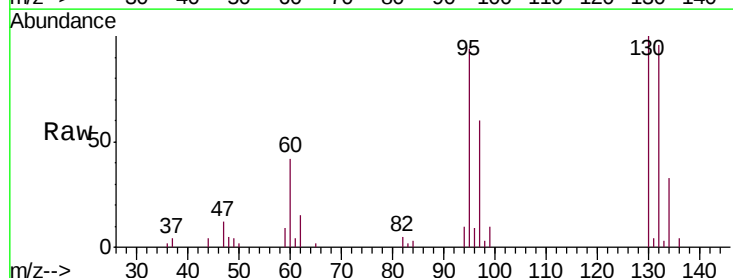
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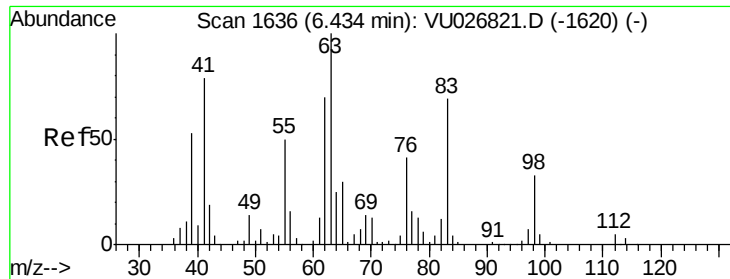
Tgt Ion: 97 Resp: 12421
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.8 77.8
 61 46.0 36.6 54.8



#34
 Trichloroethene
 Concen: 7.726 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VU026828.D
 Acq: 17 Sep 2018 18:12

Tgt Ion: 95 Resp: 14156
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.3 85.9
 132 102.0 71.7 133.1
 130 106.7 75.3 139.8

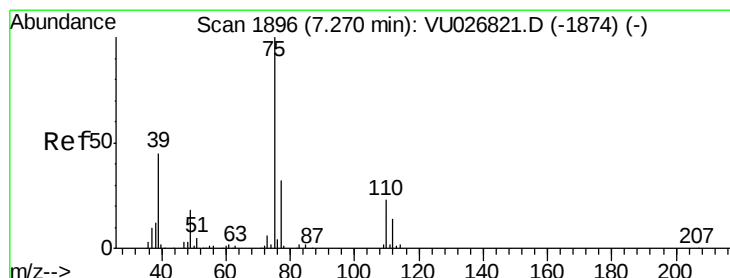
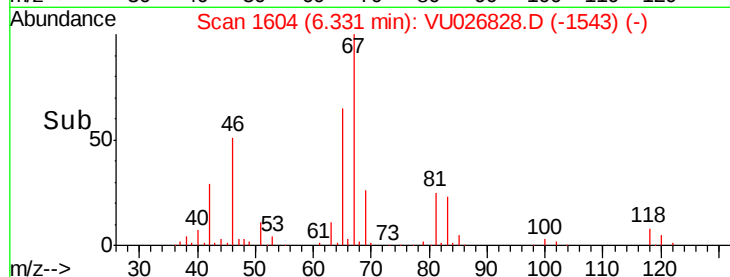
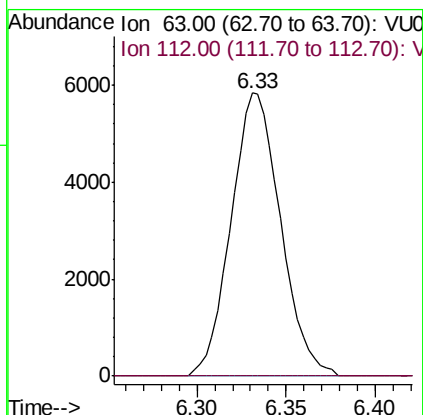
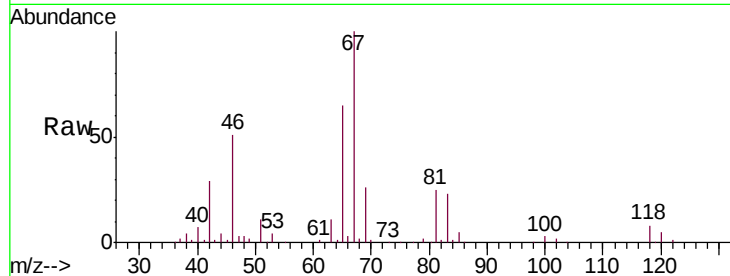




#37
 1,2-Dichloropropane
 Concen: 5.389 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU026828.D
 Acq: 17 Sep 2018 18:12

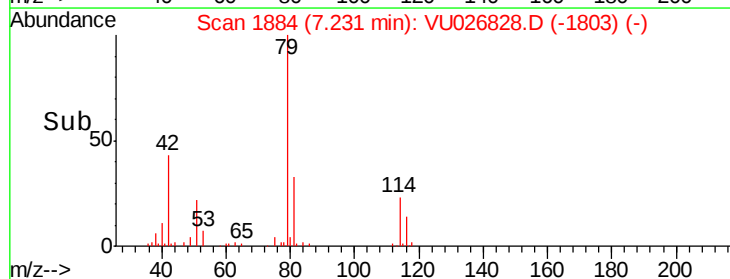
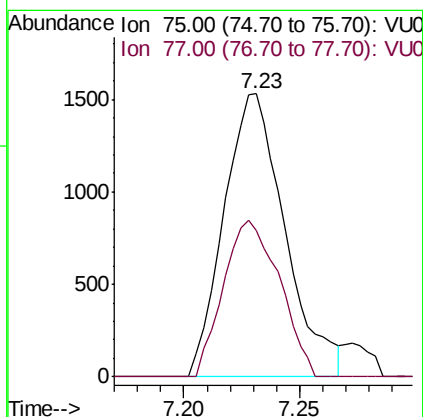
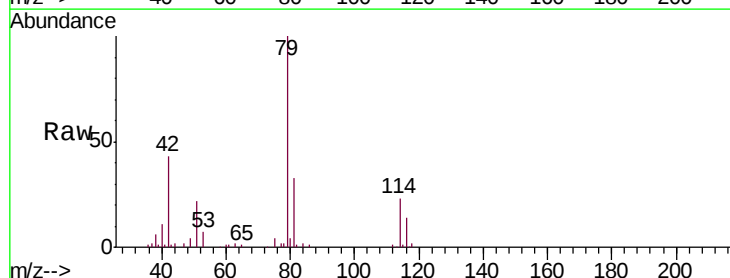
Instrument :
 MSVOA_U
 ClientSampleId :
 C0D08

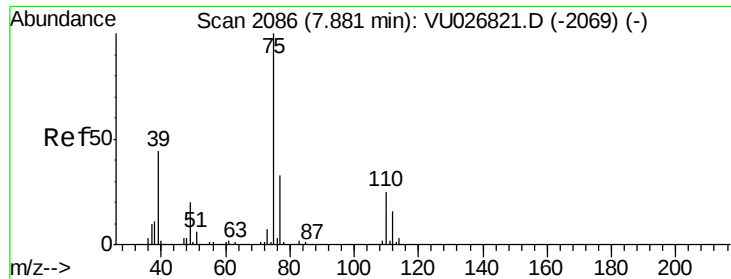
Tgt Ion: 63 Resp: 11303
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.944 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026828.D
 Acq: 17 Sep 2018 18:12

Tgt Ion: 75 Resp: 2797
 Ion Ratio Lower Upper
 75 100
 77 51.7 22.1 41.1#





#44

trans-1,3-Dichloropropene

Concen: 0.824 ug/L

RT: 7.85 min Scan# 2078

Delta R.T. -0.03 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

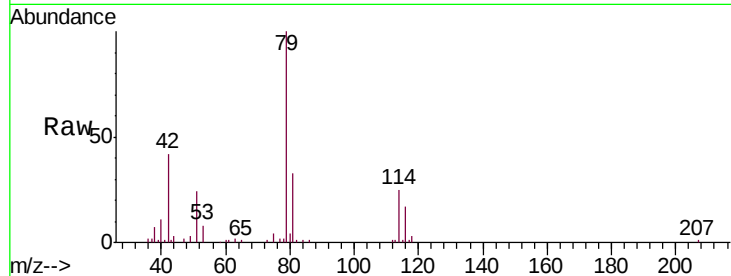
C0D08

Tgt Ion: 75 Resp: 2287

Ion Ratio Lower Upper

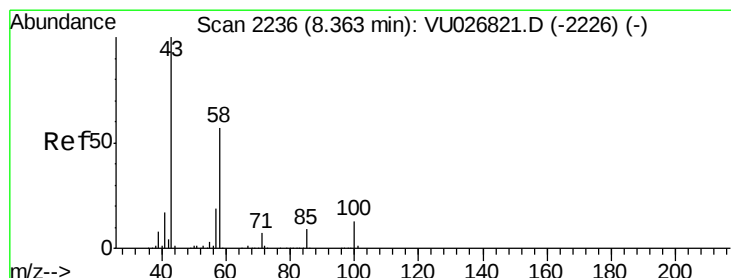
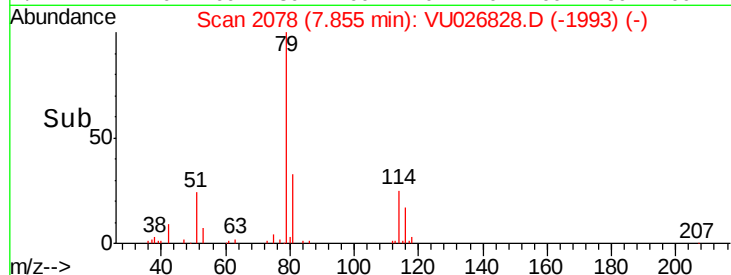
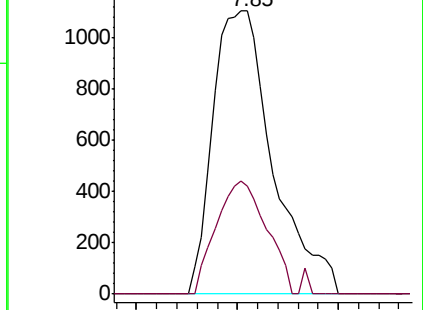
75 100

77 38.1 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#48

2-Hexanone

Concen: 5.191 ug/L

RT: 8.31 min Scan# 2220

Delta R.T. -0.05 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Tgt Ion: 43 Resp: 10437

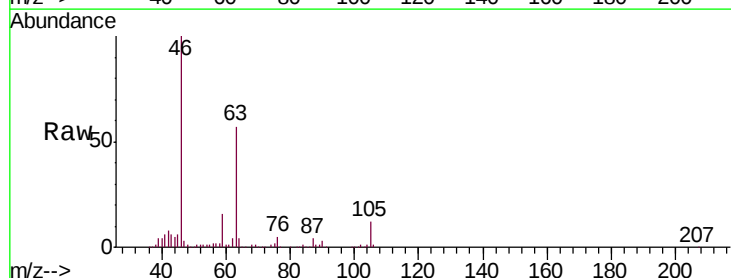
Ion Ratio Lower Upper

43 100

58 28.2 44.9 67.3#

57 31.9 15.4 23.2#

100 0.7 10.2 15.4#

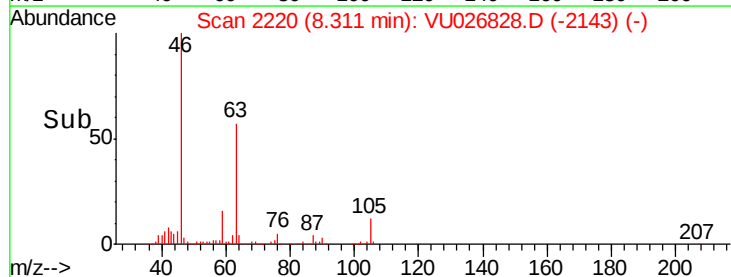
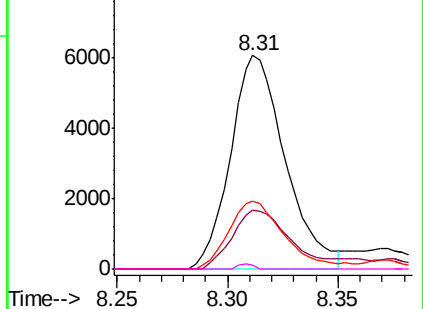


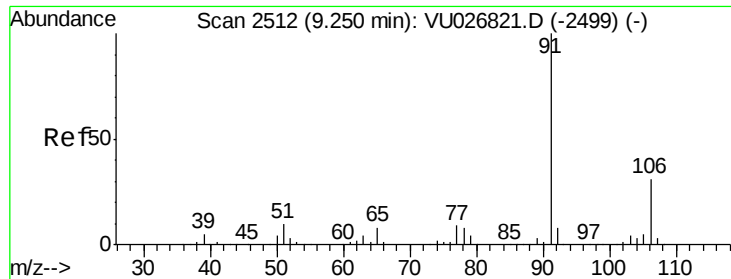
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Ethylbenzene

Concen: 0.461 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026828.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_U

ClientSampleId :

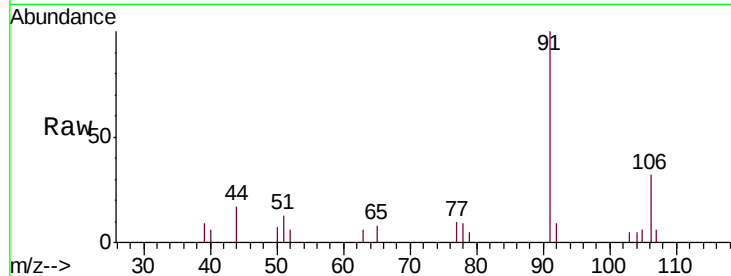
C0D08

Tgt Ion: 91 Resp: 3734

Ion Ratio Lower Upper

91 100

106 32.1 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU026821.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU026821.D (-2499) (-)

2500

2000

1500

1000

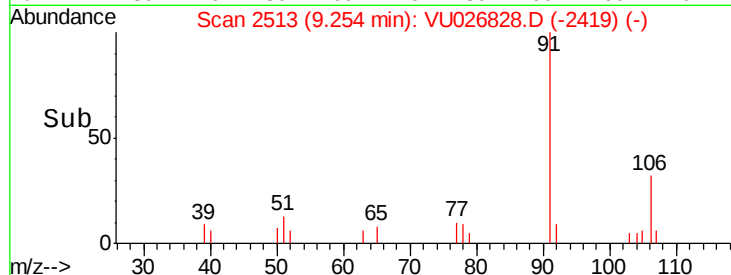
500

0

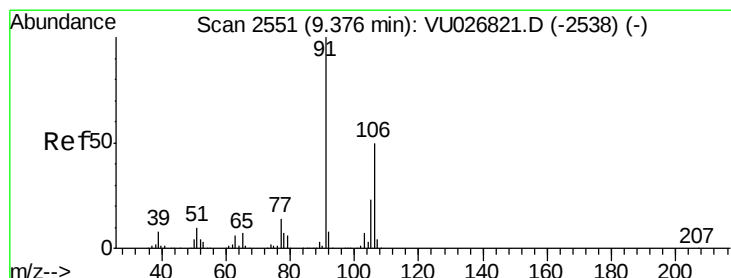
9.20

9.25

9.30



Time-->



#53

m,p-Xylene

Concen: 1.133 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU026828.D

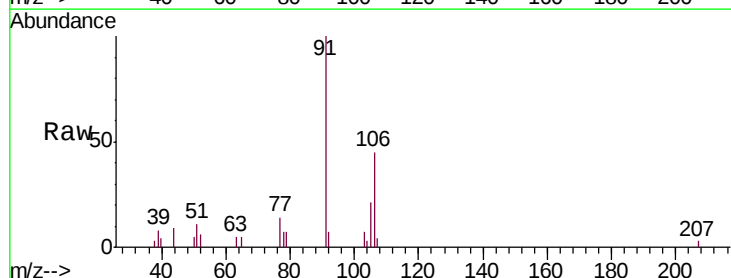
Acq: 17 Sep 2018 18:12

Tgt Ion: 106 Resp: 3527

Ion Ratio Lower Upper

106 100

91 221.4 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): VU026821.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU026821.D (-2538) (-)

5000

4000

3000

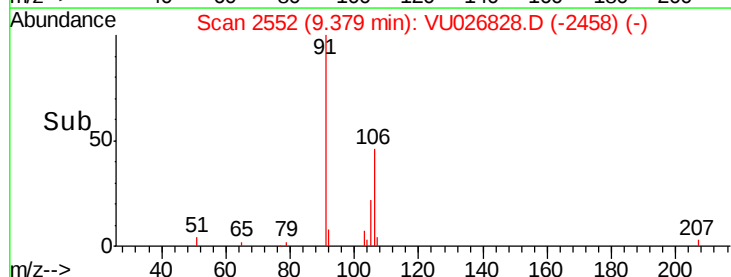
2000

1000

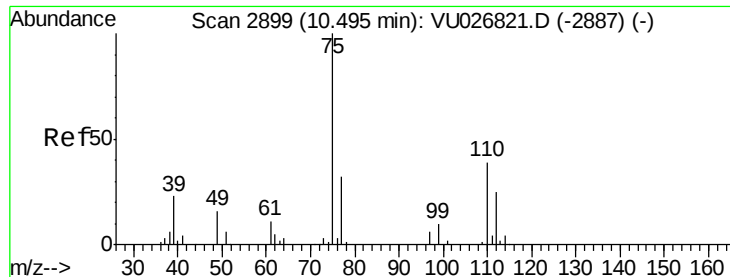
0

9.35

9.40



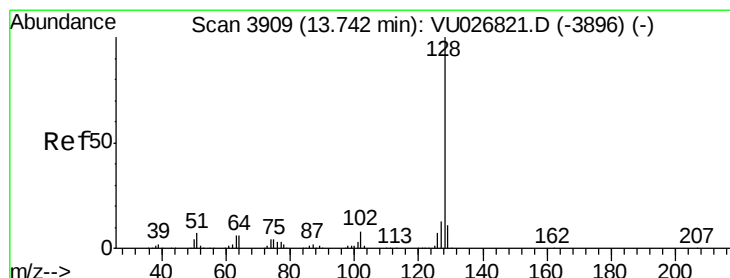
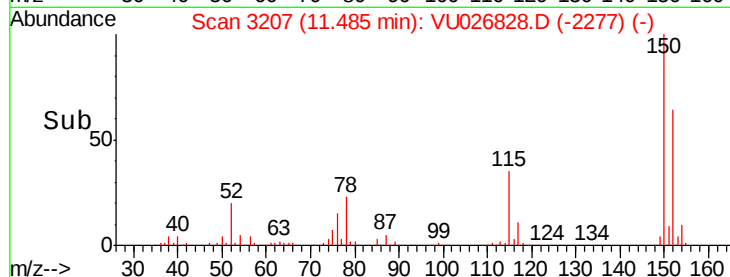
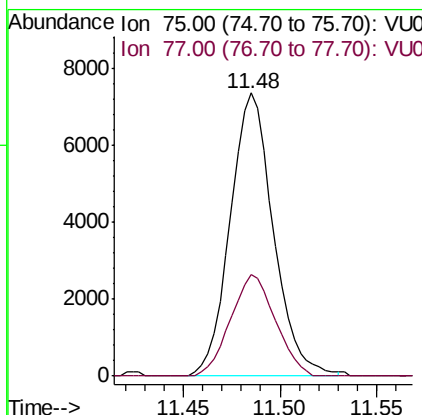
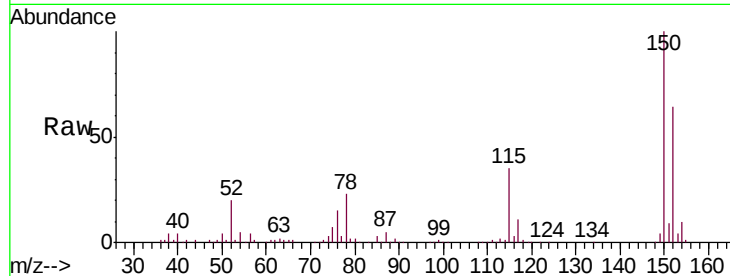
Time-->



#59
 1,2,3-Trichloropropane
 Concen: 4.558 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU026828.D
 Acq: 17 Sep 2018 18:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D08

Tgt Ion: 75 Resp: 11452
 Ion Ratio Lower Upper
 75 100
 77 37.2 25.5 38.3



#69
 Naphthalene
 Concen: 1.339 ug/L
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU026828.D
 Acq: 17 Sep 2018 18:12

Tgt Ion: 128 Resp: 8267
 Ion Ratio Lower Upper
 128 100
 127 11.3 10.2 15.4
 129 8.9 8.6 12.8

