

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111618\
 Data File : VU028212.D
 Acq On : 17 Nov 2018 03:17
 Operator : MD/SY
 Sample : J5986-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 03:51:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 17 03:46:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	156154	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	156883	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69047	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58586	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.68	69	50551	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.28	63	87432	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	4.22	46	218362	58.10	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.20%
24) Chloroform-d	4.65	84	102482	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.32	65	62697	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.34	84	208930	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.33	67	78532	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.57	98	182602	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	7.85	79	22778	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.32	63	157971	48.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56848	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	63353	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	52057	3.112	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	903	0.088	ug/L # 32
12) 1,1-Dichloroethene	2.28	96	833	0.080	ug/L # 1
17) Methyl tert-butyl Ether	3.01	73	69633	2.399	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	1622	0.147	ug/L 93
19) 1,1-Dichloroethane	3.45	63	19003	0.819	ug/L 95
22) cis-1,2-Dichloroethene	4.23	96	32579	2.677	ug/L 99
25) Chloroform	4.67	83	1206	0.058	ug/L 89
27) 1,2-Dichloroethane	5.41	62	1068	0.078	ug/L # 76
33) Benzene	5.39	78	11813	0.224	ug/L 100
34) Trichloroethene	6.19	95	2507	0.192	ug/L 84
35) Methylcyclohexane	6.34	83	15582	0.694	ug/L # 16
37) 1,2-Dichloropropane	6.33	63	7996	0.547	ug/L # 92
39) cis-1,3-Dichloropropene	7.23	75	1302	0.066	ug/L # 13
42) Toluene	7.65	91	2126	0.039	ug/L # 68
59) 1,2,3-Trichloropropane	11.48	75	10544	1.284	ug/L 91

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QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration

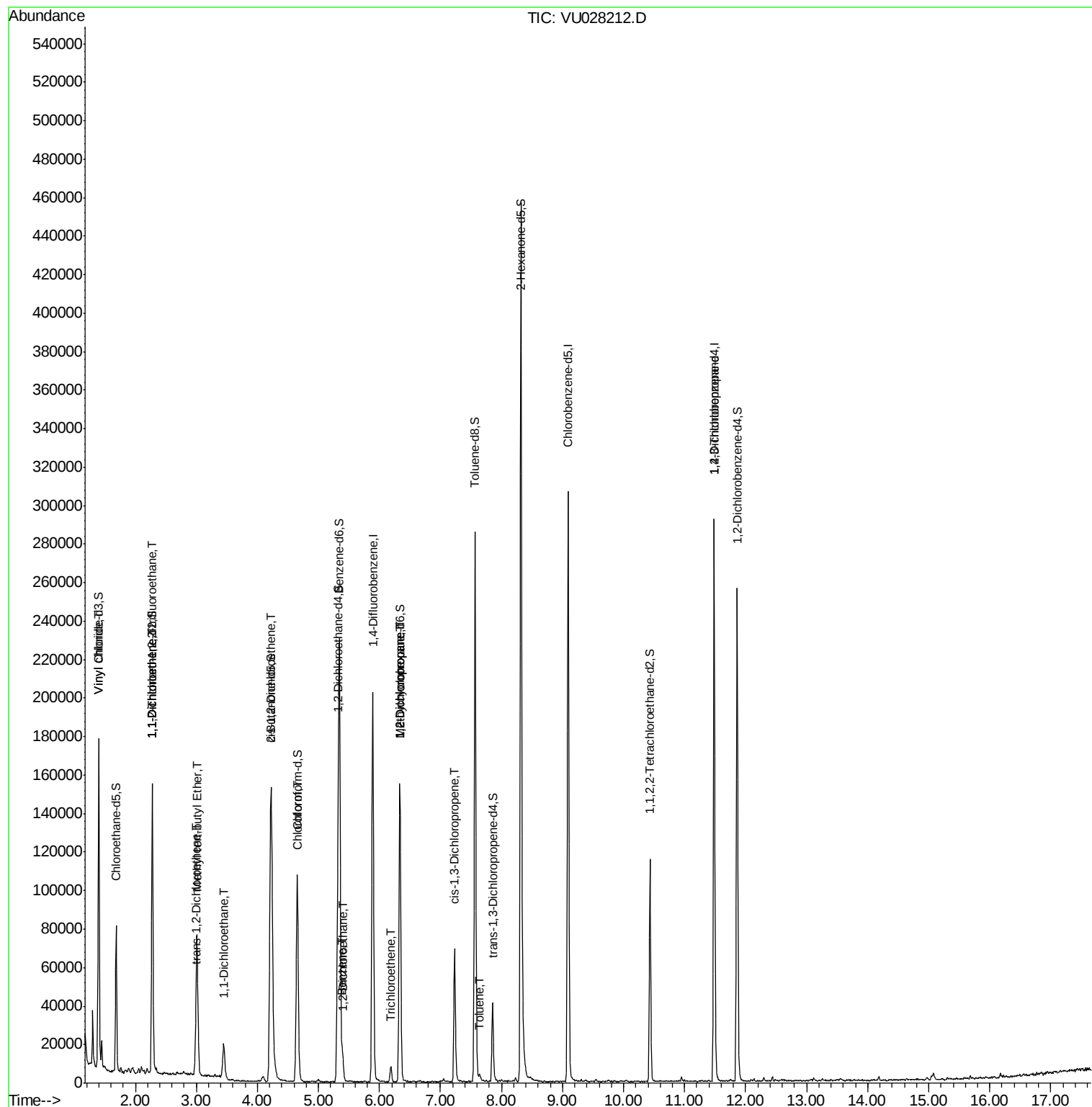
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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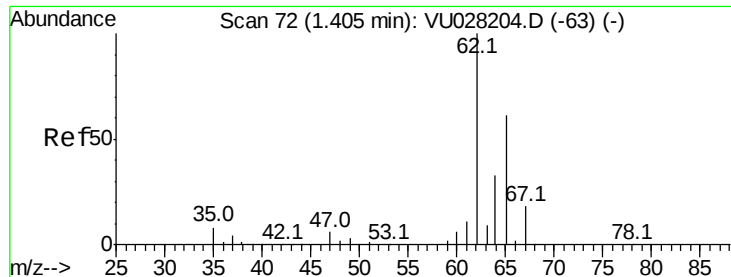
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111618\
Data File : VU028212.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.112 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

Instrument :

MSVOA_U

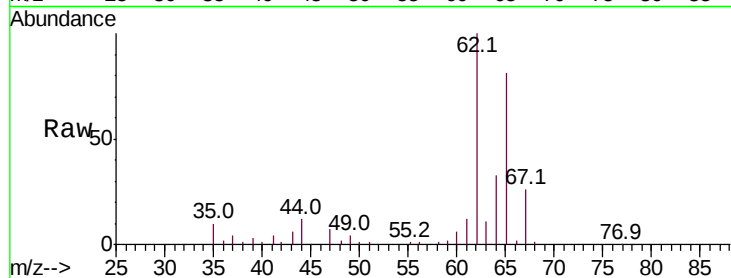
ClientSampled :

Tot Ion: 62 Resp: 52057

Ion Ratio Lower Upper

62 100

64 32.6 22.7 42.3

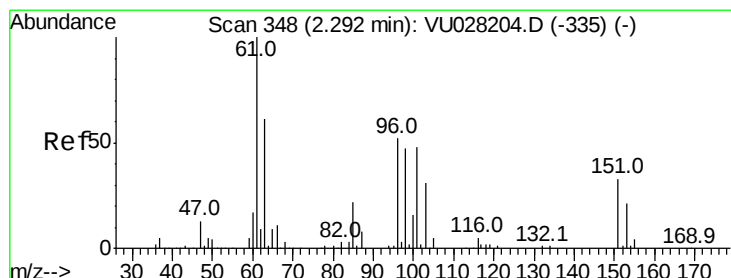
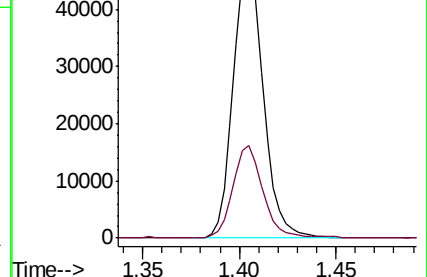
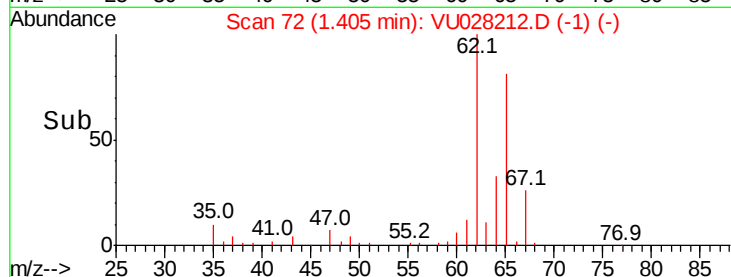


Abundance Ion 62.00 (61.70 to 62.70): VU028212.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VU028212.D (-63) (-)

1.40

Time-->



#10

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

Concen: 0.088 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

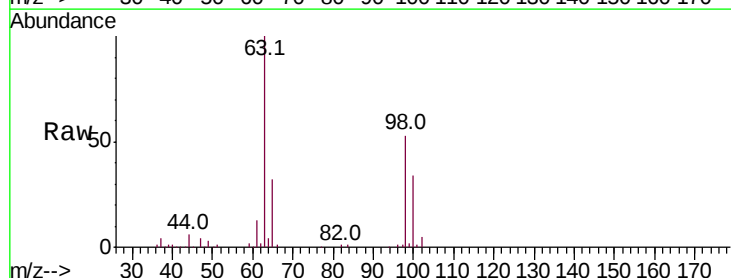
Tgt Ion: 101 Resp: 903

Ion Ratio Lower Upper

101 100

85 20.6 37.6 56.4#

151 0.0 58.2 87.2#



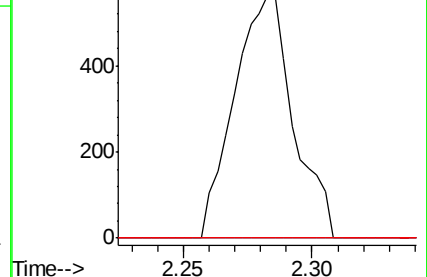
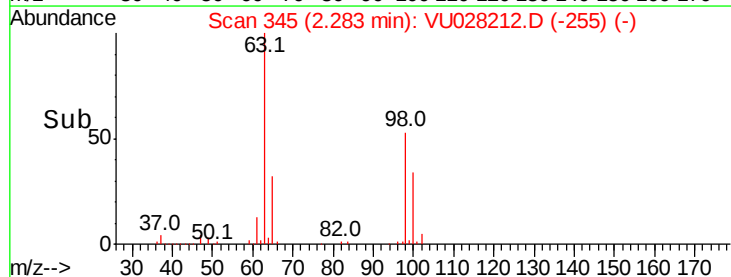
Abundance Ion 101.00 (100.70 to 101.70): VU028212.D (-255) (-)

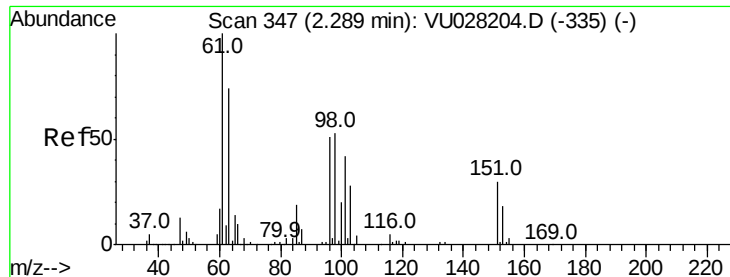
Ion 85.00 (84.70 to 85.70): VU028212.D (-255) (-)

Ion 151.00 (150.70 to 151.70): VU028212.D (-255) (-)

2.28

Time-->





#12

1,1-Dichloroethene

Concen: 0.080 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

Instrument :
MSVOA_U
ClientSampled :

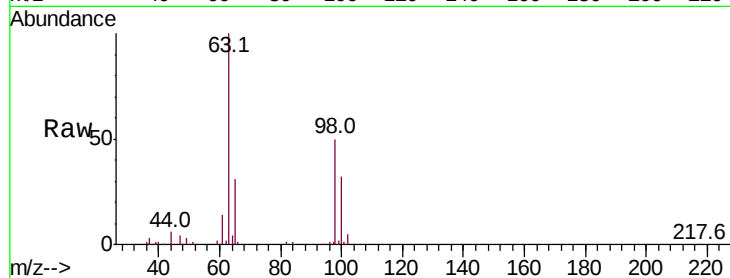
Tot Ion: 96 Resp: 833

Ion Ratio Lower Upper

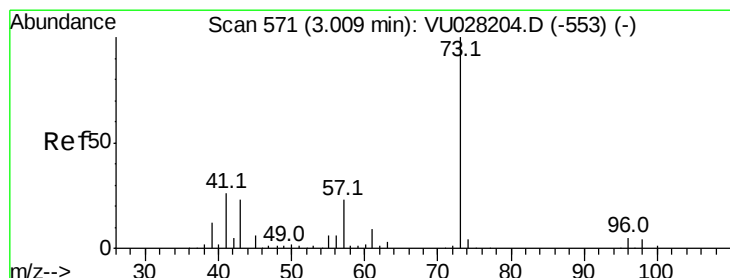
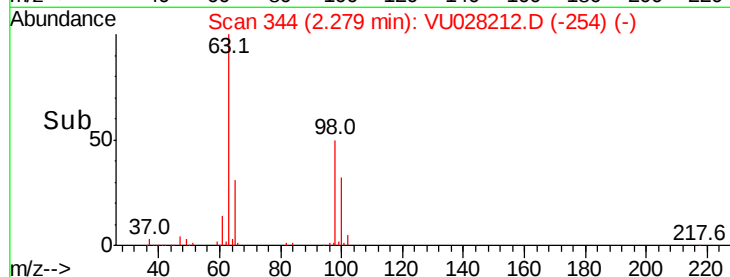
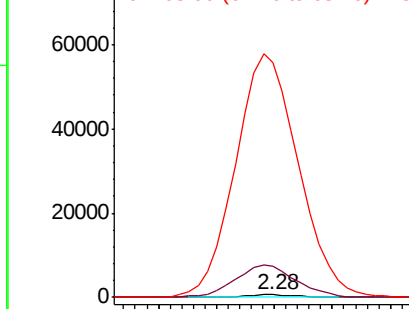
96 100

61 1201.0 134.8 250.3#

63 8880.3 100.1 185.9#



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



#17

Methyl tert-butyl Ether

Concen: 2.399 ug/L

RT: 3.01 min Scan# 572

Delta R.T. 0.00 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

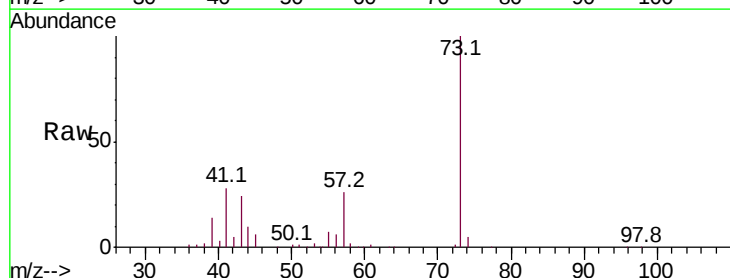
Tgt Ion: 73 Resp: 69633

Ion Ratio Lower Upper

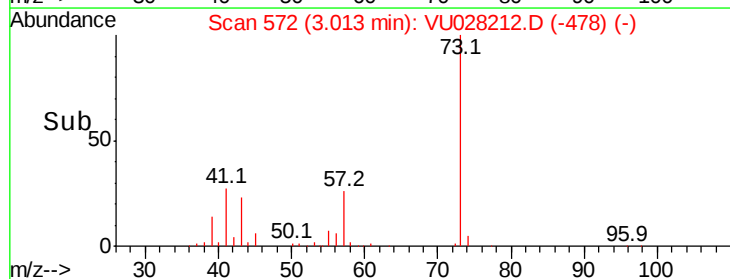
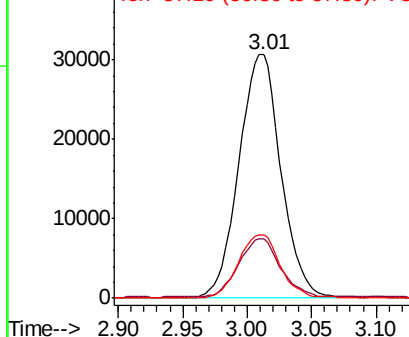
73 100

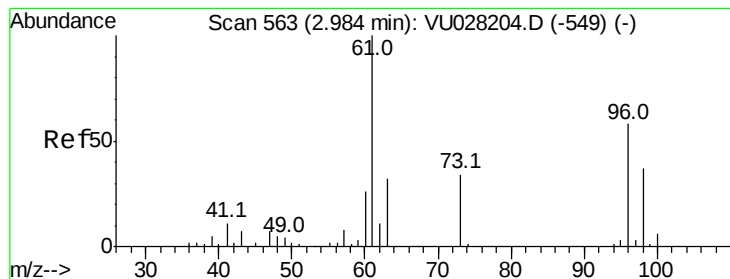
43 23.6 18.1 27.1

57 25.8 20.0 30.0



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.147 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

Instrument :
MSVOA_U
ClientSampled :

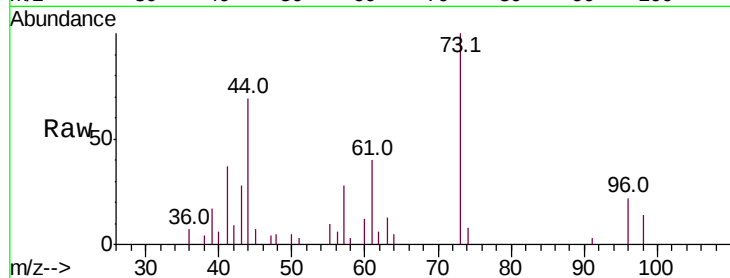
Tot Ion: 96 Resp: 1622

Ion Ratio Lower Upper

96 100

61 179.3 118.5 220.1

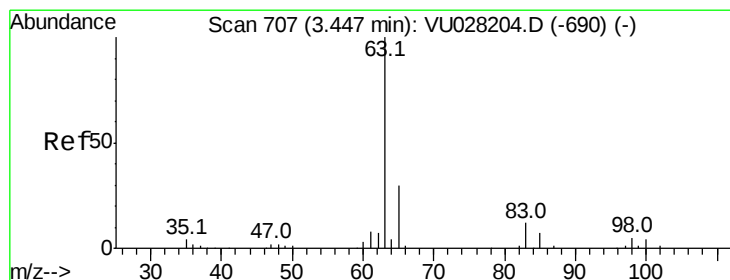
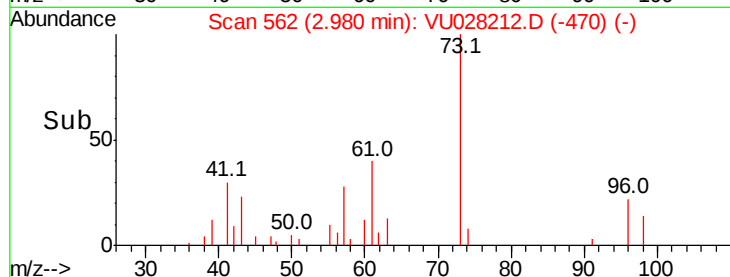
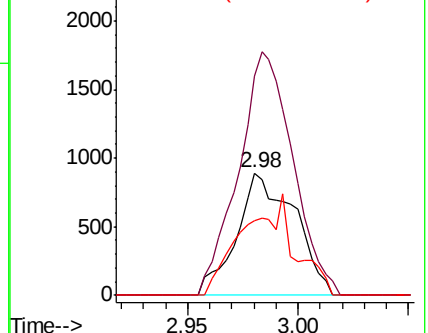
98 60.5 44.9 83.5



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: 0.819 ug/L

RT: 3.45 min Scan# 709

Delta R.T. 0.01 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

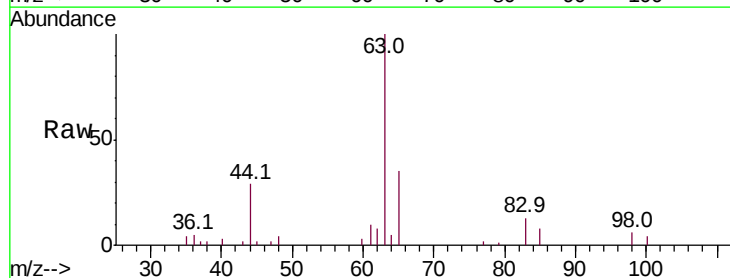
Tgt Ion: 63 Resp: 19003

Ion Ratio Lower Upper

63 100

65 35.4 22.2 41.2

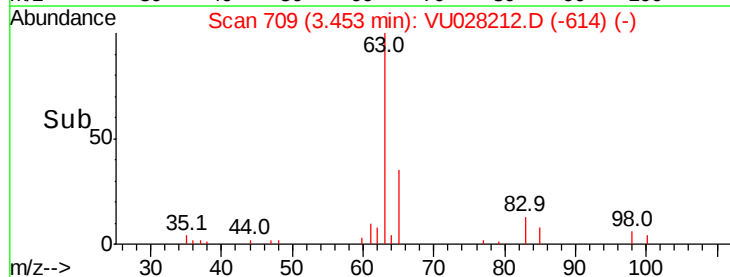
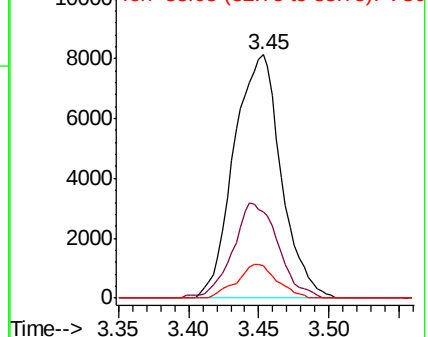
83 13.3 8.9 16.5

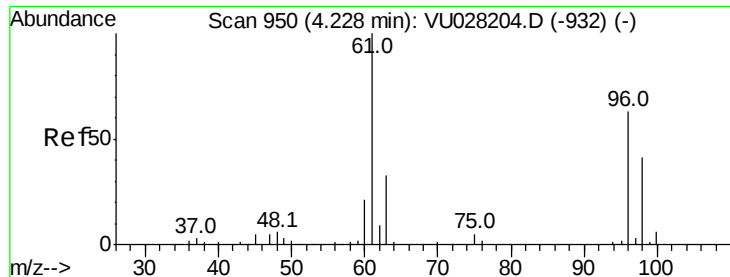


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



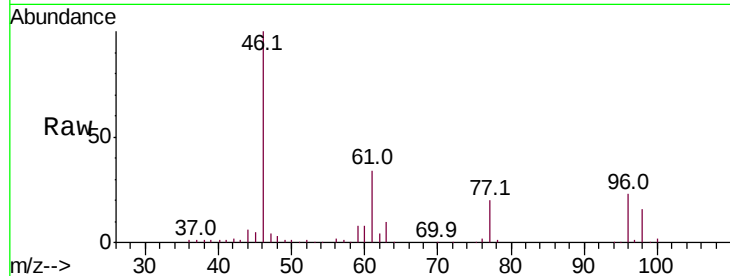


#22

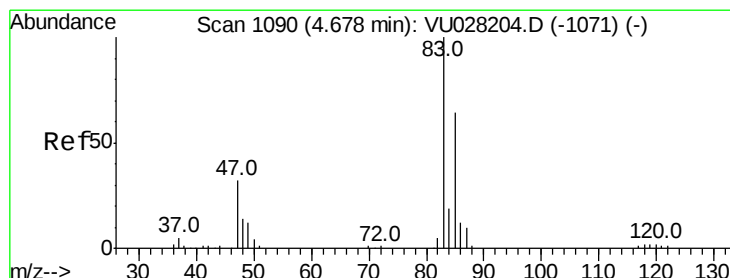
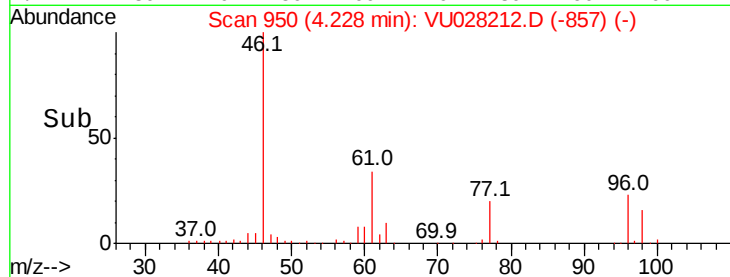
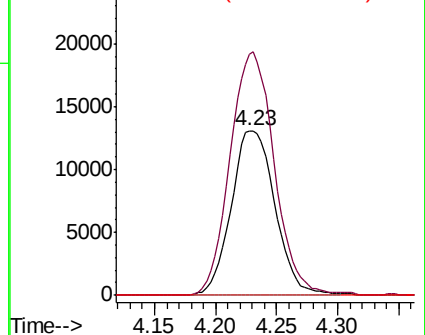
cis-1,2-Dichloroethene
 Concen: 2.677 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028212.D
 Acq: 17 Nov 2018 03:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 32579
 Ion Ratio Lower Upper
 96 100
 61 146.7 101.8 189.0
 68 0.0 0.0 0.0



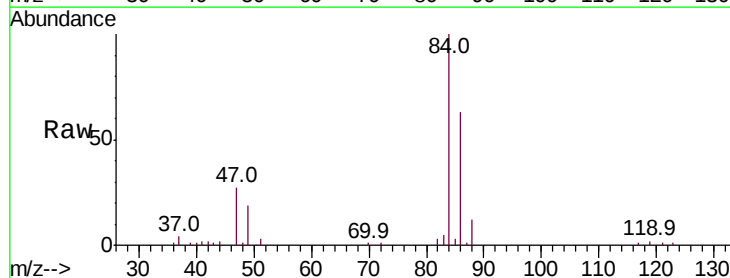
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



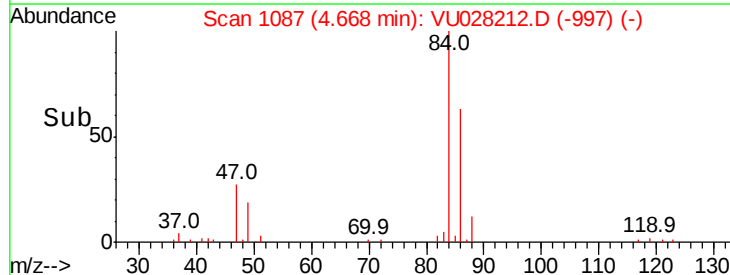
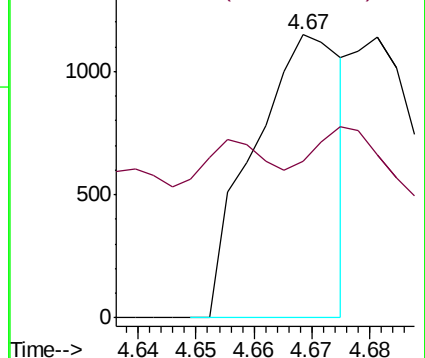
#25

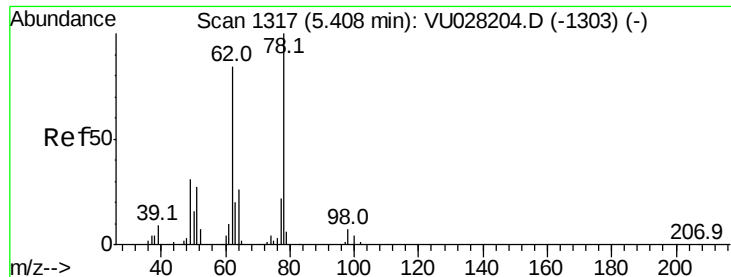
Chloroform
 Concen: 0.058 ug/L
 RT: 4.67 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VU028212.D
 Acq: 17 Nov 2018 03:17

Tgt Ion: 83 Resp: 1206
 Ion Ratio Lower Upper
 83 100
 85 55.4 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.078 ug/L

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

Instrument :

MSVOA_U

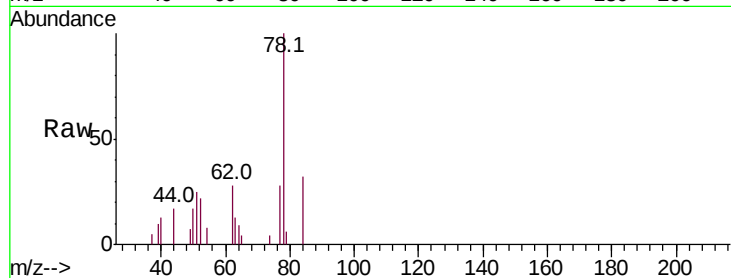
ClientSampleId :

Tot Ion: 62 Resp: 1068

Ion Ratio Lower Upper

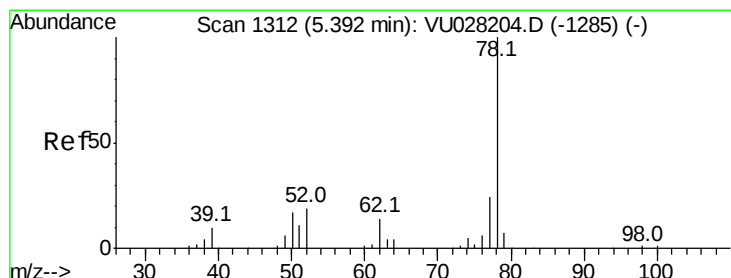
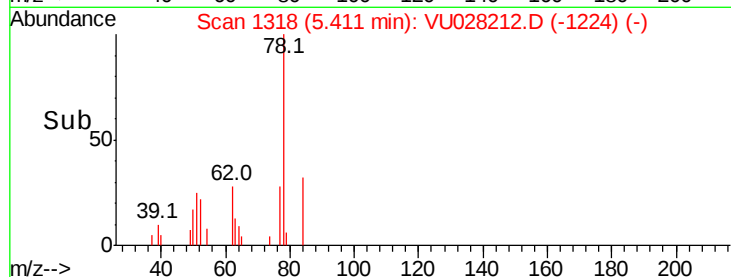
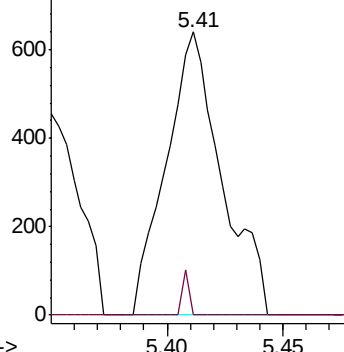
62 100

98 0.0 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 0.224 ug/L

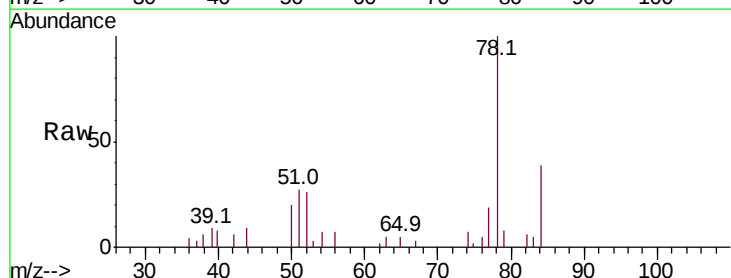
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028212.D

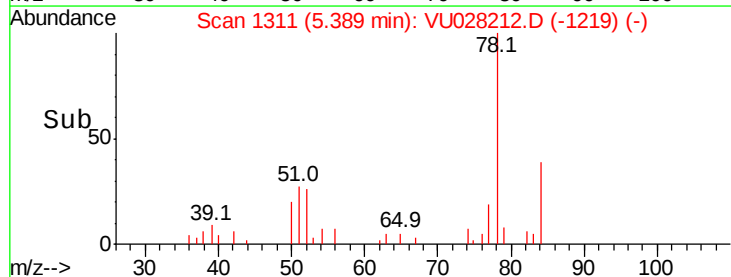
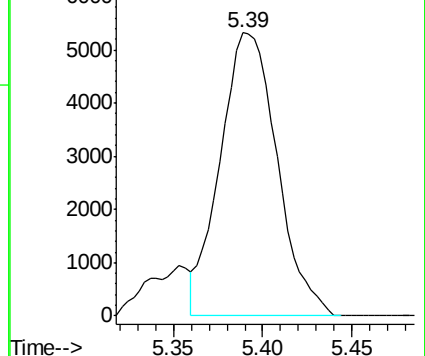
Acq: 17 Nov 2018 03:17

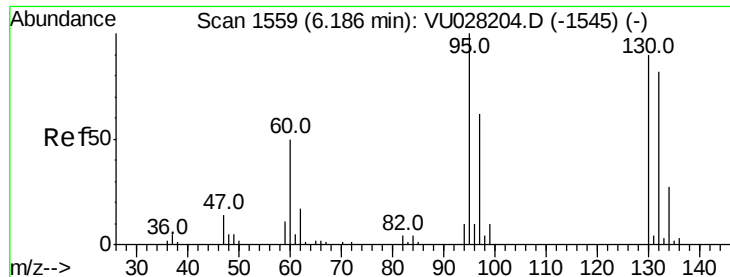
Tgt Ion: 78 Resp: 11813



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 98.05 (97.75 to 98.75): VU0





#34

Trichloroethene

Concen: 0.192 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 2507

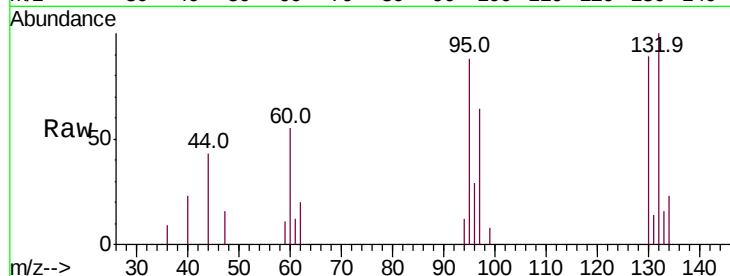
Ion Ratio Lower Upper

95 100

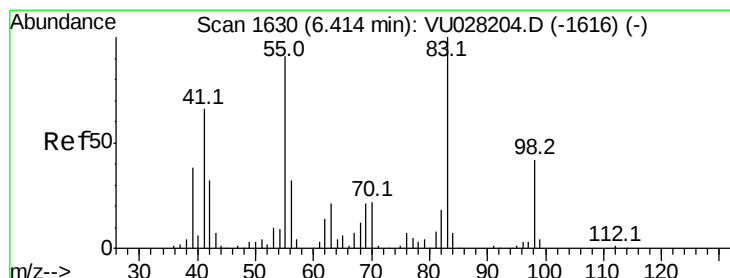
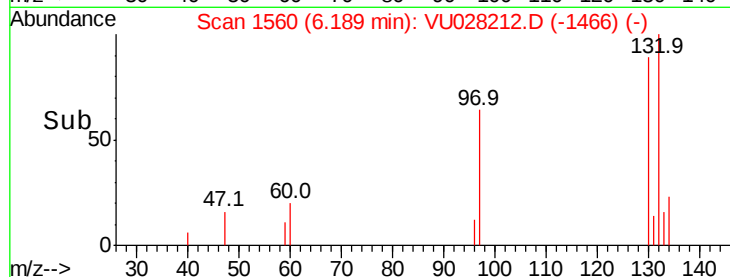
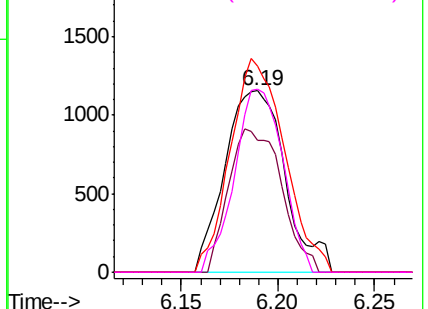
97 72.9 45.3 84.1

132 113.2 63.0 117.0

130 100.8 63.6 118.2



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.694 ug/L

RT: 6.34 min Scan# 1606

Delta R.T. -0.08 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

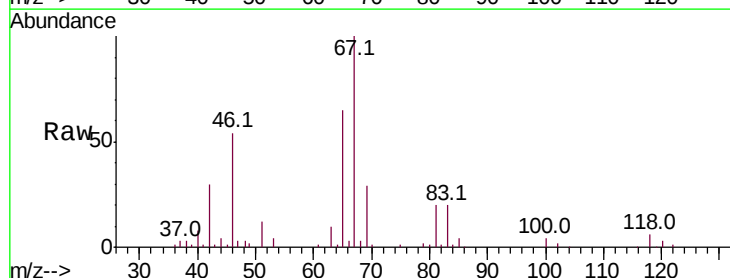
Tgt Ion: 83 Resp: 15582

Ion Ratio Lower Upper

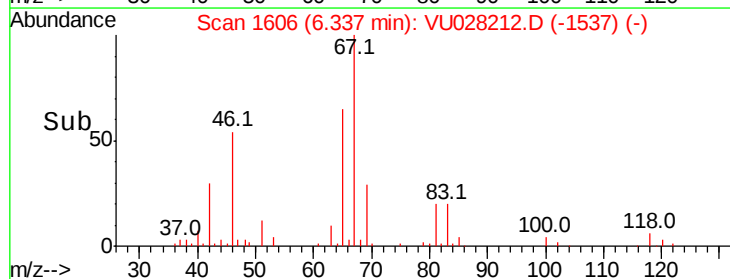
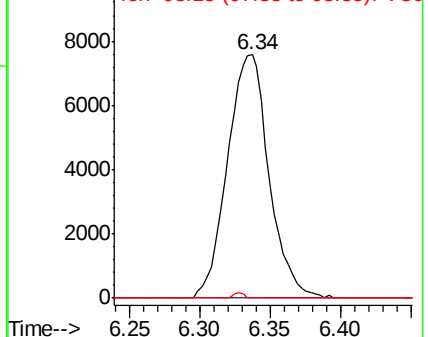
83 100

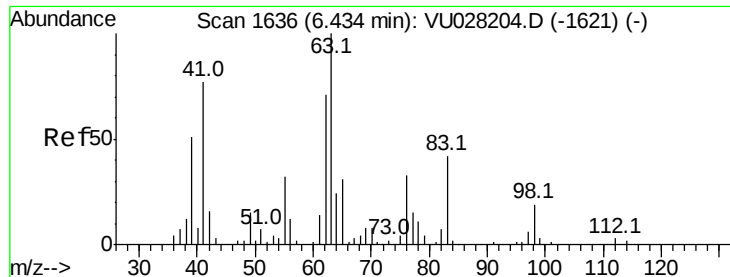
55 0.0 69.0 103.4#

98 0.5 33.3 49.9#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.547 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

Instrument :

MSVOA_U

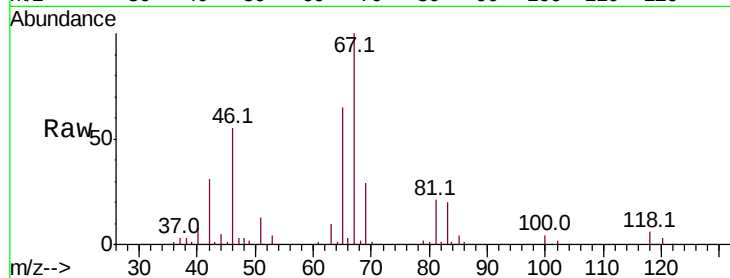
ClientSampleId :

Tot Ion: 63 Resp: 7996

Ion Ratio Lower Upper

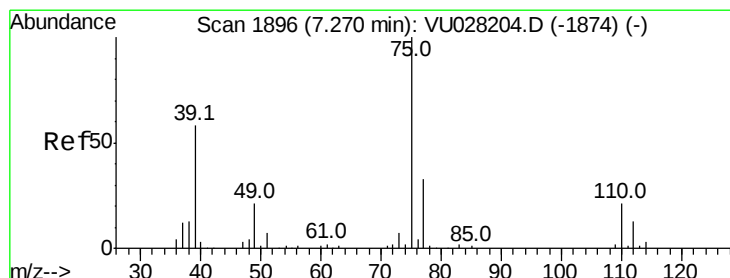
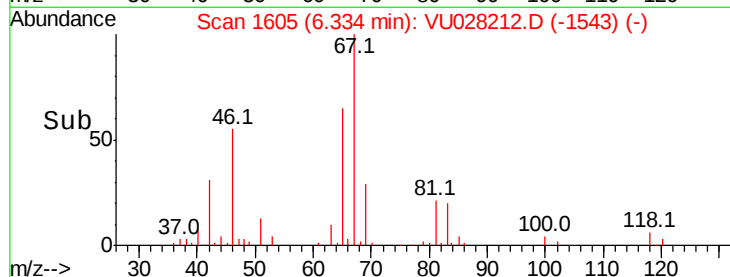
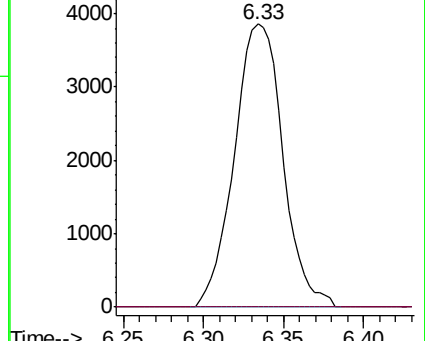
63 100

112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 7.23 min Scan# 1885

Delta R.T. -0.04 min

Lab File: VU028212.D

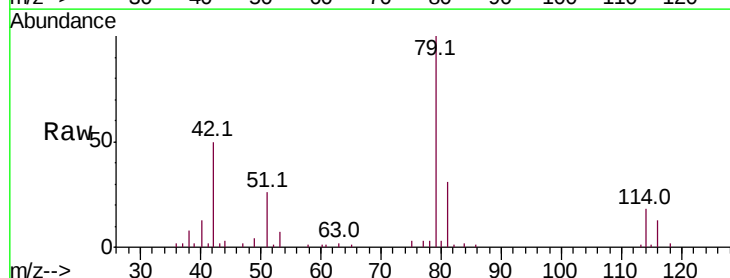
Acq: 17 Nov 2018 03:17

Tgt Ion: 75 Resp: 1302

Ion Ratio Lower Upper

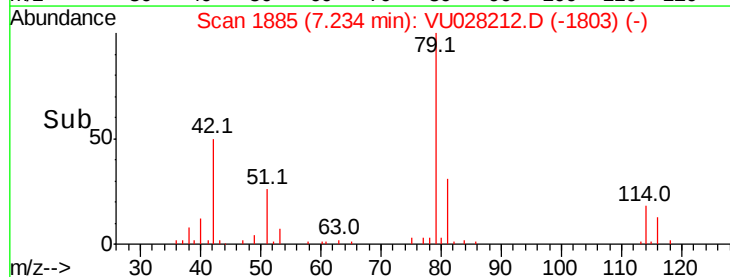
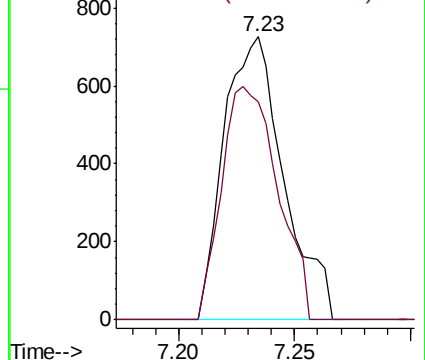
75 100

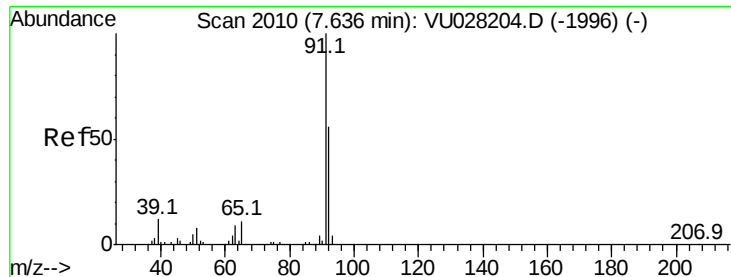
77 76.9 20.9 38.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.039 ug/L

RT: 7.65 min Scan# 2013

Delta R.T. 0.01 min

Lab File: VU028212.D

Acq: 17 Nov 2018 03:17

Instrument :

MSVOA_U

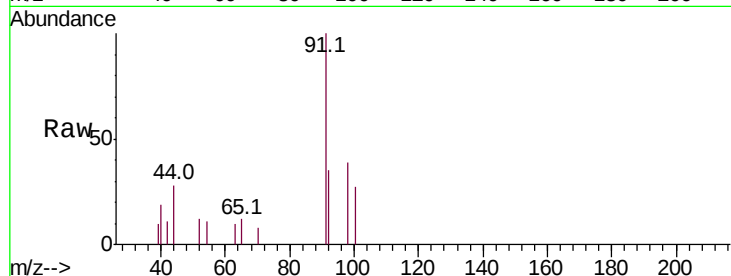
ClientSampled :

Tot Ion: 91 Resp: 2126

Ion Ratio Lower Upper

91 100

92 34.5 40.7 75.7#



Abundance Ion 91.15 (90.85 to 91.85): VU028212.D (-2126) (-)

Ion 92.15 (91.85 to 92.85): VU028212.D (-2126) (-)

7.65

1500

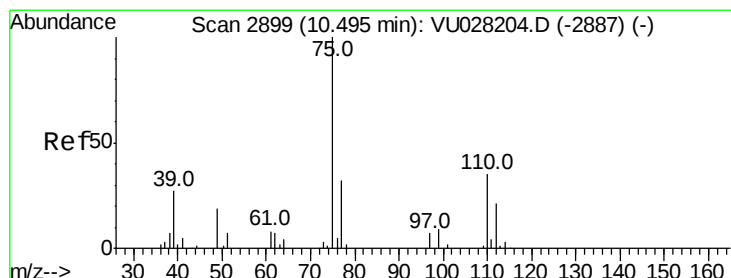
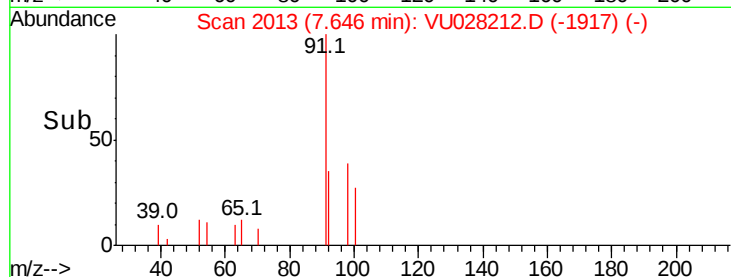
1000

500

0

Time-->

7.60 7.65 7.70



#59

1,2,3-Trichloropropane

Concen: 1.284 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028212.D

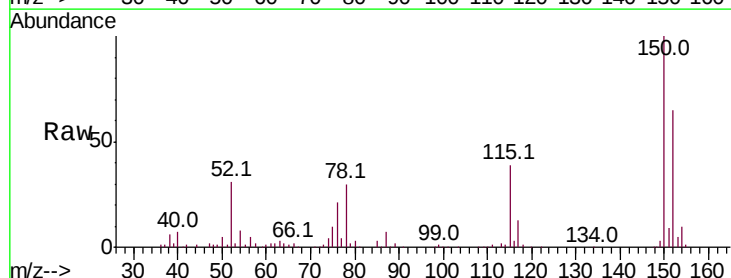
Acq: 17 Nov 2018 03:17

Tgt Ion: 75 Resp: 10544

Ion Ratio Lower Upper

75 100

77 36.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU028212.D (-2277) (-)

Ion 77.00 (76.70 to 77.70): VU028212.D (-2277) (-)

11.48

8000

6000

4000

2000

0

Time-->

11.45 11.50 11.55

