

Data File : VU027631.D
Acq On : 12 Oct 2018 18:08
Operator : MD/SY
Sample : J5403-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0903

Quant Time: Oct 13 01:42:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 13 01:37:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	163690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	152703	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	61225	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52950	41.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.20%
7) Chloroethane-d5	1.68	69	44416	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.52%
11) 1,1-Dichloroethene-d2	2.27	63	76197	31.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.06%
21) 2-Butanone-d5	4.18	46	106546	102.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.45%
24) Chloroform-d	4.65	84	98790	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.90%
26) 1,2-Dichloroethane-d4	5.31	65	68099	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
32) Benzene-d6	5.34	84	192462	43.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.96%
36) 1,2-Dichloropropane-d6	6.33	67	70397	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.92%
41) Toluene-d8	7.57	98	158293	40.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.94%
43) trans-1,3-Dichloropropene-	7.85	79	29381	40.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.34%
47) 2-Hexanone-d5	8.31	63	74150	97.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	91568	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	55503	46.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.68%

Target Compounds

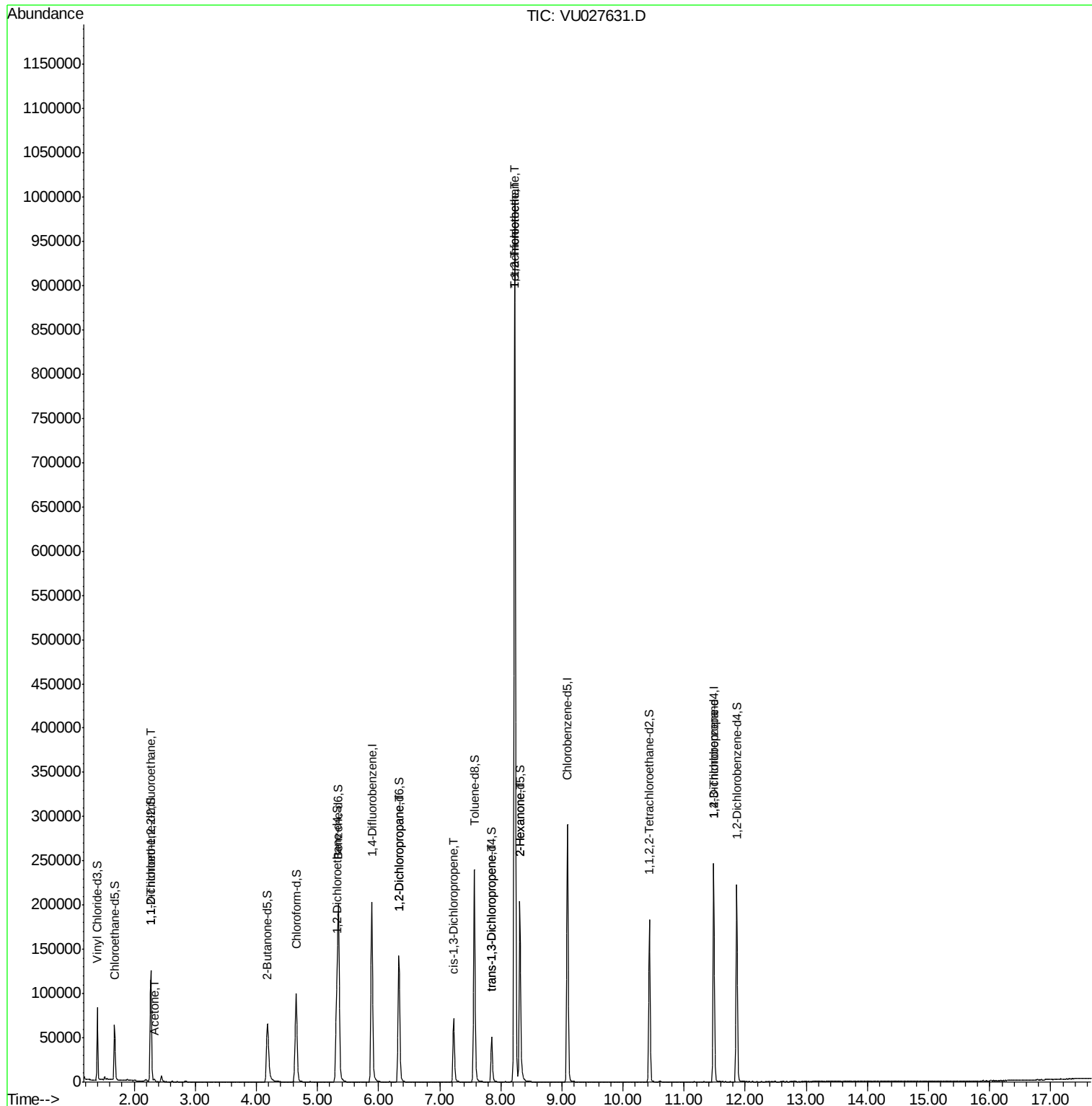
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	621	0.573	ug/L #	21
13) Acetone	2.32	43	1743	2.043	ug/L	99
37) 1,2-Dichloropropane	6.33	63	7467	5.136	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1503	0.704	ug/L	85
44) trans-1,3-Dichloropropene	7.85	75	1116	0.563	ug/L	88
45) 1,1,2-Trichloroethane	8.23	97	1843	1.579	ug/L #	1
46) Tetrachloroethene	8.23	164	220292	245.618	ug/L	99
48) 2-Hexanone	8.31	43	9553	5.683	ug/L #	66
59) 1,2,3-Trichloropropane	11.48	75	8250	5.012	ug/L	93

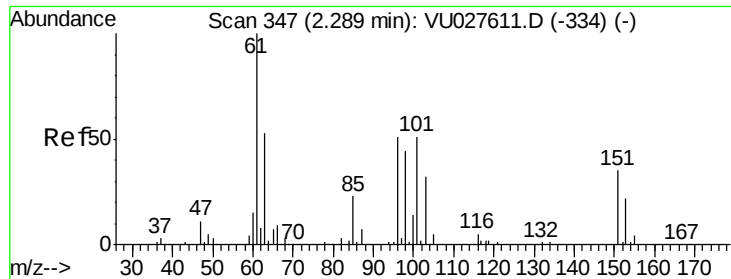
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.573 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU027631.D

Acq: 12 Oct 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

C0903

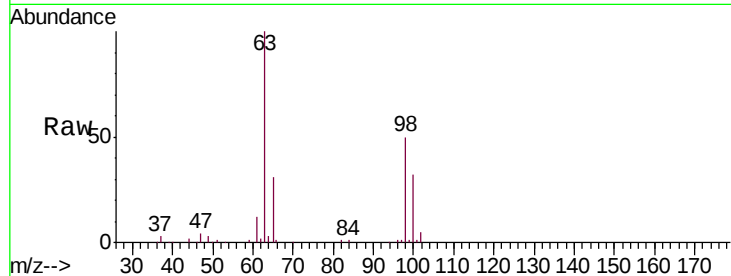
Tgt Ion:101 Resp: 621

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

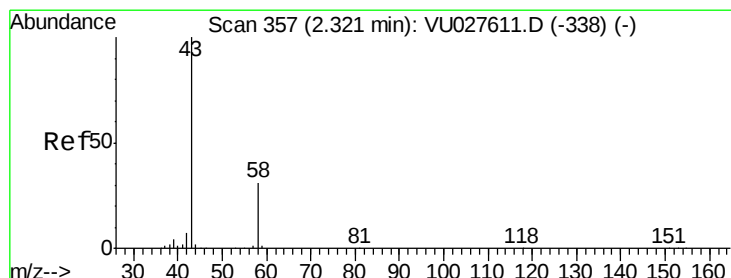
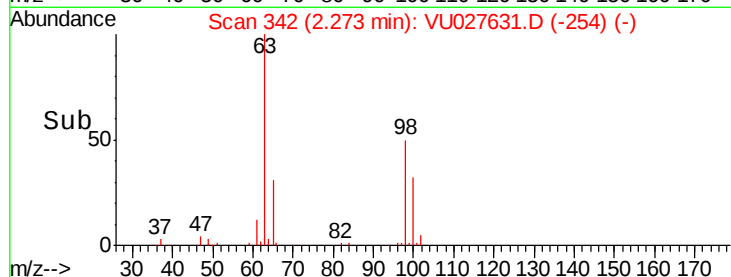
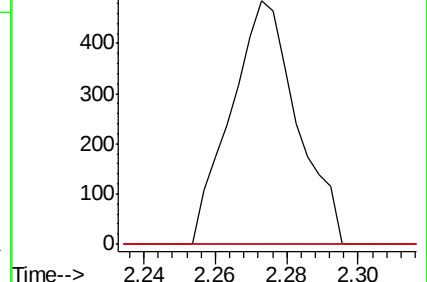
151 0.0 55.7 83.5#



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



#13

Acetone

Concen: 2.043 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027631.D

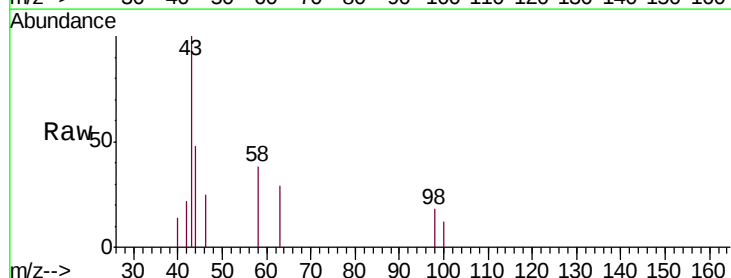
Acq: 12 Oct 2018 18:08

Tgt Ion: 43 Resp: 1743

Ion Ratio Lower Upper

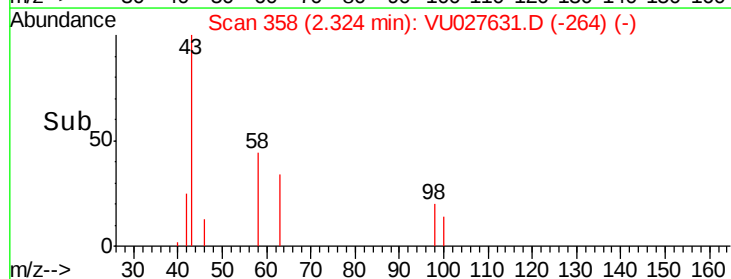
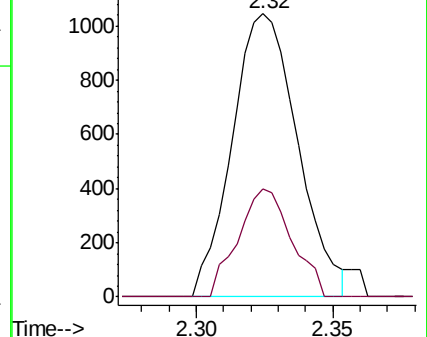
43 100

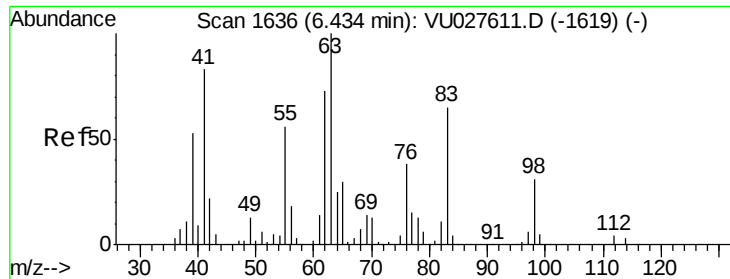
58 31.2 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

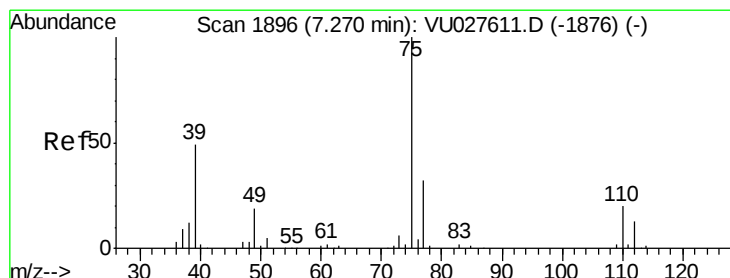
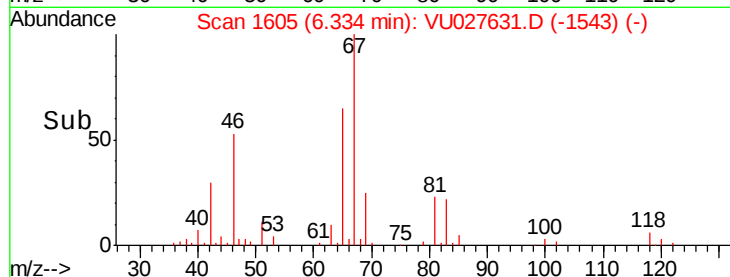
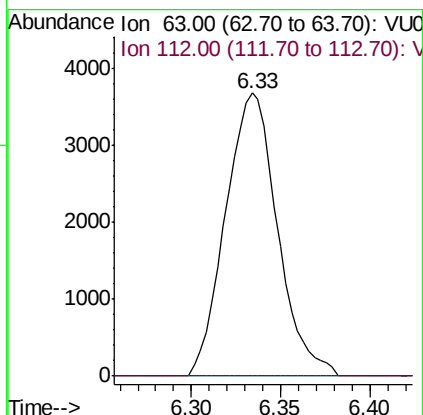
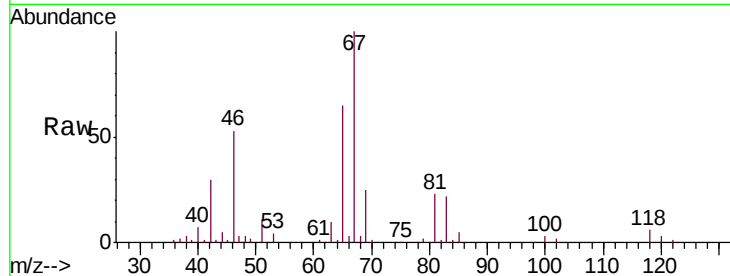




#37
 1,2-Dichloropropane
 Concen: 5.136 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU027631.D
 Acq: 12 Oct 2018 18:08

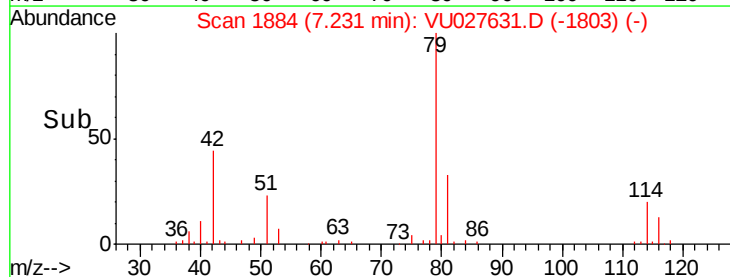
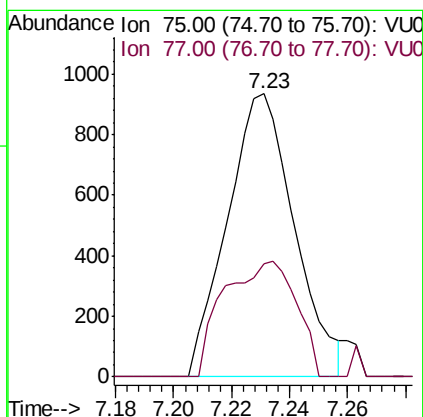
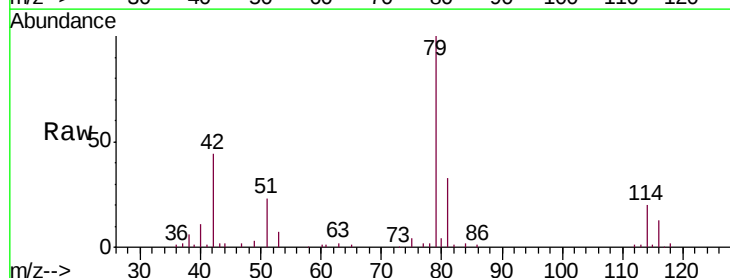
Instrument :
 MSVOA_U
 ClientSampleId :
 C0903

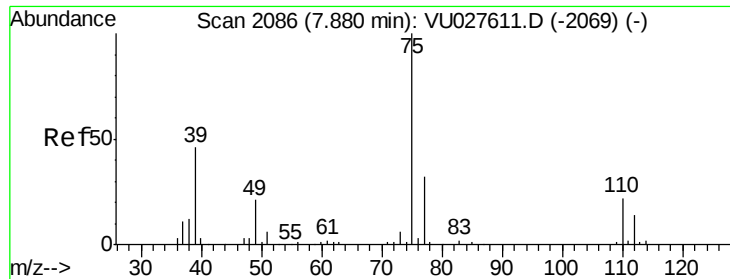
Tgt Ion: 63 Resp: 7467
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.704 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU027631.D
 Acq: 12 Oct 2018 18:08

Tgt Ion: 75 Resp: 1503
 Ion Ratio Lower Upper
 75 100
 77 40.0 22.1 41.1





#44

trans-1,3-Dichloropropene

Concen: 0.563 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU027631.D

Acq: 12 Oct 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

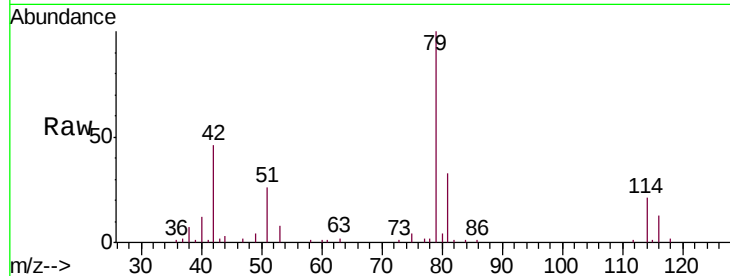
C0903

Tgt Ion: 75 Resp: 1116

Ion Ratio Lower Upper

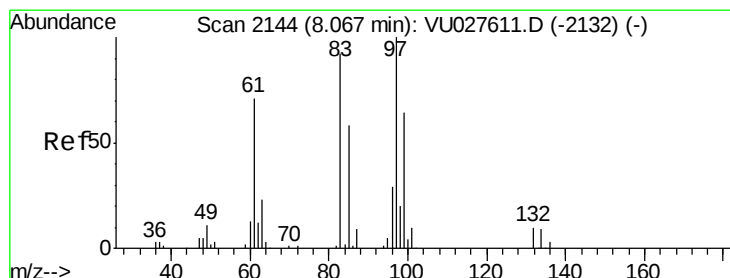
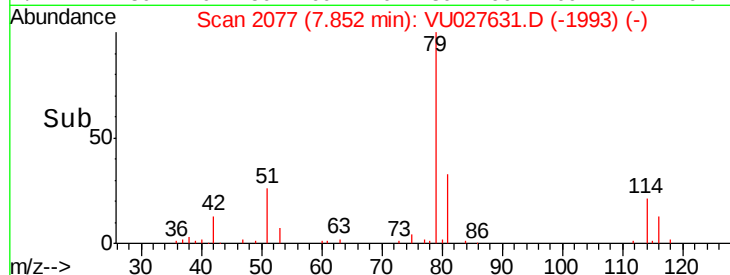
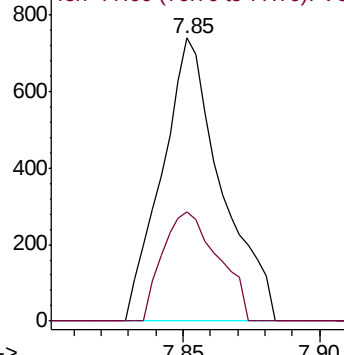
75 100

77 38.6 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#45

1,1,2-Trichloroethane

Concen: 1.579 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.16 min

Lab File: VU027631.D

Acq: 12 Oct 2018 18:08

Tgt Ion: 97 Resp: 1843

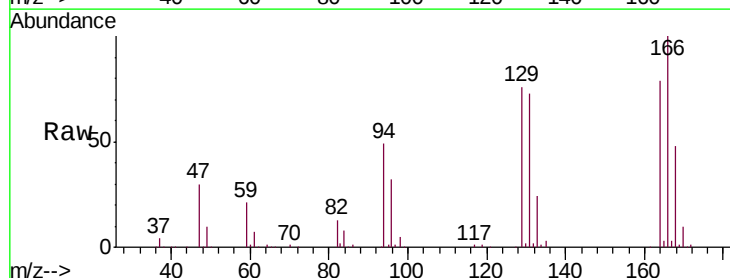
Ion Ratio Lower Upper

97 100

99 17.1 43.2 80.2#

83 283.1 64.3 119.5#

85 37.3 41.0 76.2#

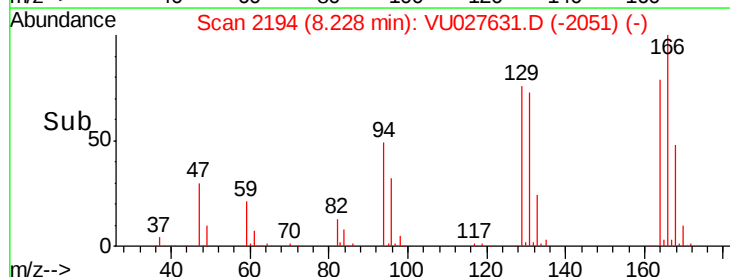
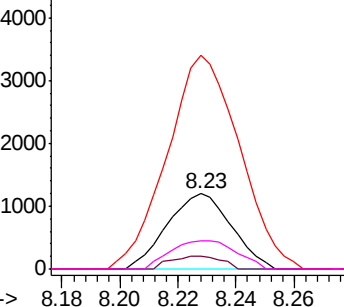


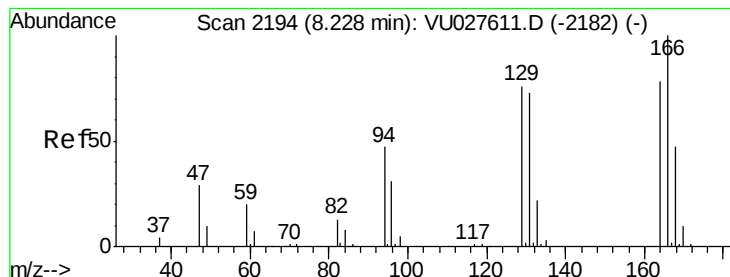
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#46

Tetrachloroethene

Concen: 245.618 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027631.D

Acq: 12 Oct 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

C0903

Tgt Ion:164 Resp: 220292

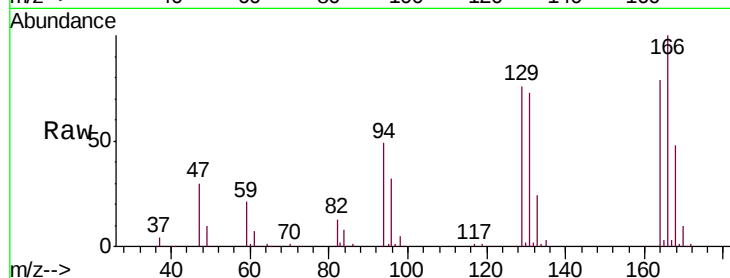
Ion Ratio Lower Upper

164 100

129 95.9 67.0 124.4

131 92.4 65.1 120.9

166 125.8 90.4 167.8

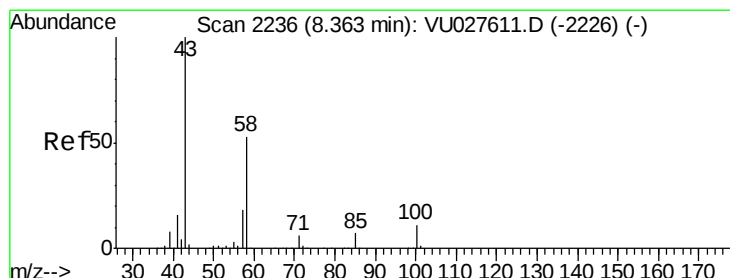
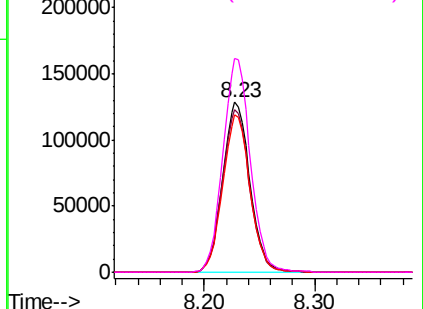
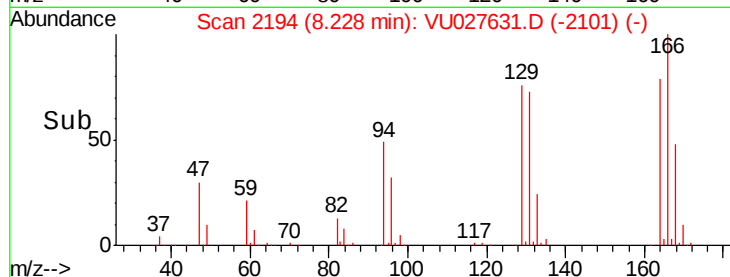


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.683 ug/L

RT: 8.31 min Scan# 2220

Delta R.T. -0.05 min

Lab File: VU027631.D

Acq: 12 Oct 2018 18:08

Tgt Ion: 43 Resp: 9553

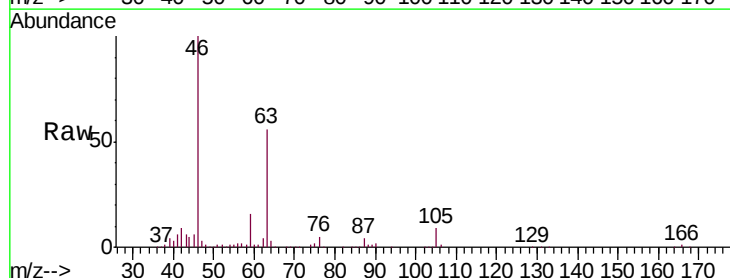
Ion Ratio Lower Upper

43 100

58 22.4 42.7 64.1#

57 22.4 14.5 21.7#

100 0.0 8.2 12.2#

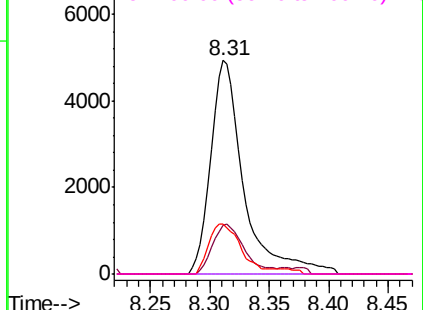
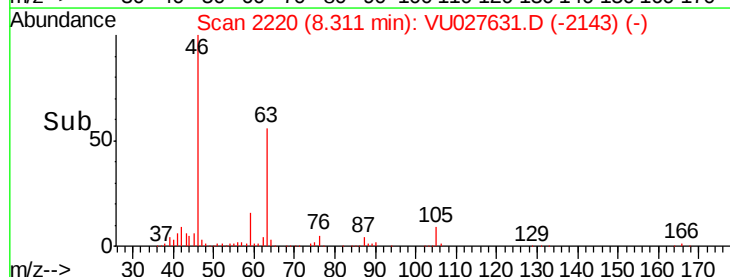


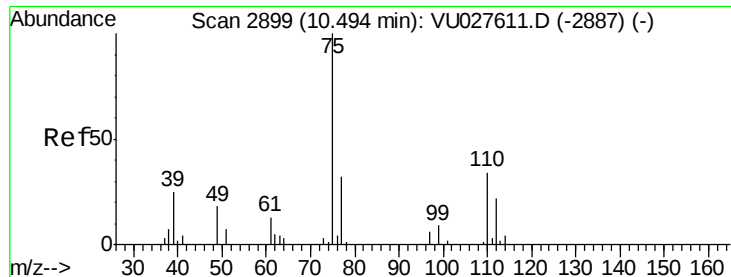
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#59

1,2,3-Trichloropropane

Concen: 5.012 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027631.D

Acq: 12 Oct 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

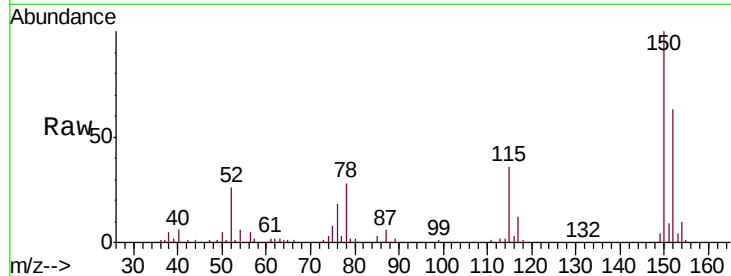
C0903

Tgt Ion: 75 Resp: 8250

Ion Ratio Lower Upper

75 100

77 35.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

