

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101818\
 Data File : VU027698.D
 Acq On : 18 Oct 2018 14:51
 Operator : MD/SY
 Sample : J5463-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JD4

Quant Time: Oct 19 08:14:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 08:11:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	80984	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	76595	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	38335	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30145	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.68	69	21923	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.28	63	40350	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	4.20	46	82628	45.15	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.30%
24) Chloroform-d	4.65	84	46327	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.31	65	25793	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.34	84	101709	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.33	67	34287	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.57	98	92949	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.85	79	13705	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.31	63	71630	45.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	24415	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	34251	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Qvalue
8) Chloroethane	1.73	64	1446	0.317 ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	256	0.047 ug/L #	17
12) 1,1-Dichloroethene	2.29	96	912	0.166 ug/L #	1
13) Acetone	2.32	43	2711	2.317 ug/L	92
18) trans-1,2-Dichloroethene	2.98	96	508	0.087 ug/L	96
19) 1,1-Dichloroethane	3.45	63	1483	0.128 ug/L	95
22) cis-1,2-Dichloroethene	4.23	96	16783	2.603 ug/L #	87
25) Chloroform	4.67	83	2582	0.231 ug/L	92
27) 1,2-Dichloroethane	5.33	62	512	0.072 ug/L #	72
31) Carbon tetrachloride	5.14	117	1734	0.204 ug/L	91
34) Trichloroethene	6.19	95	46942	7.235 ug/L	99
35) Methylcyclohexane	6.33	83	7427	0.664 ug/L #	17
37) 1,2-Dichloropropane	6.33	63	3413	0.474 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	933	0.089 ug/L #	63
47) Tetrachloroethene	8.23	164	2429	0.469 ug/L	93
48) 2-Hexanone	8.31	43	8194	2.354 ug/L #	66
49) Dibromochloromethane	8.23	129	2454	0.427 ug/L #	11

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QLast Update : Fri Oct 19 08:11:17 2018
Response via : Initial Calibration

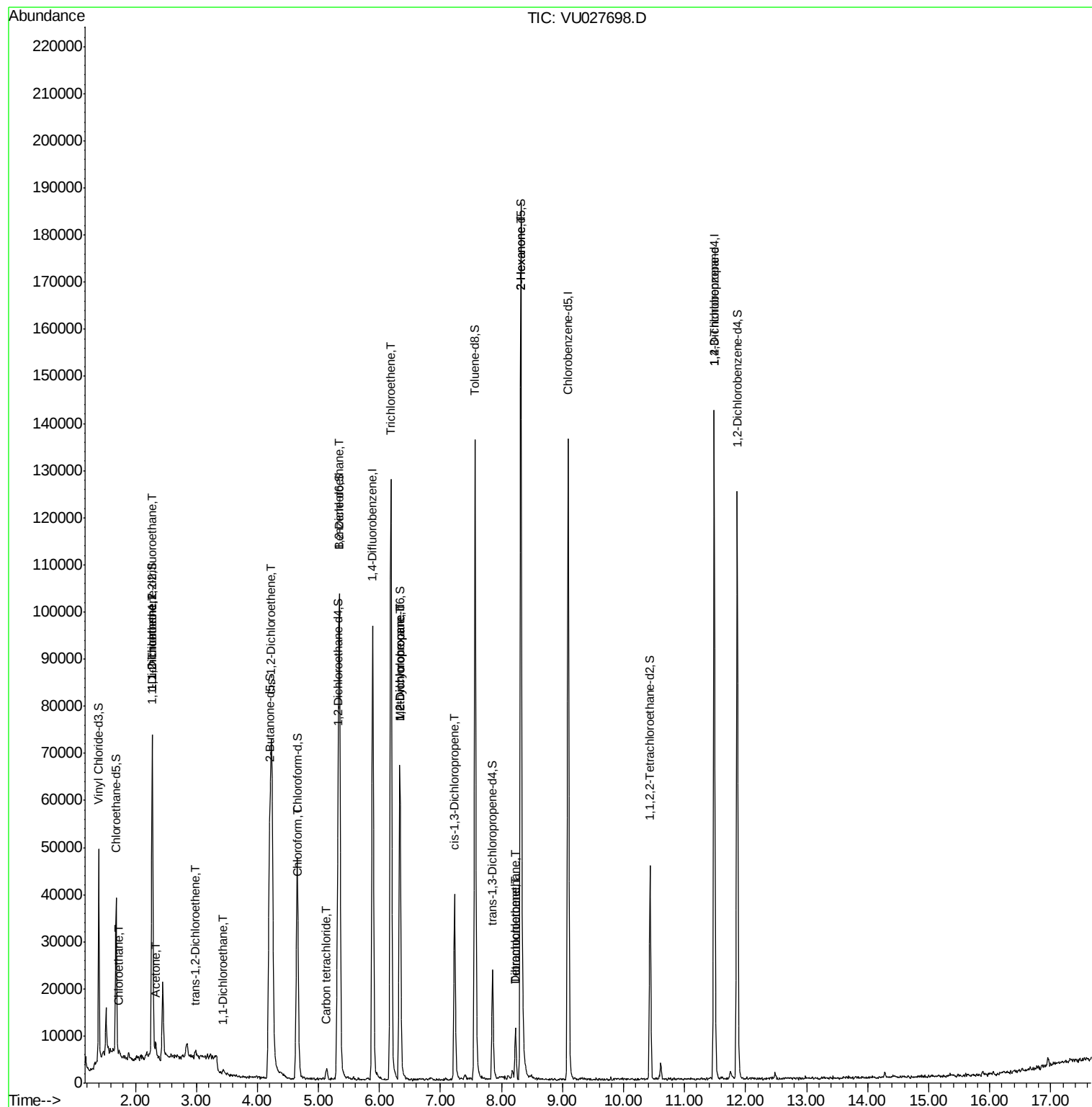
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	4511	1.091	ug/L	93

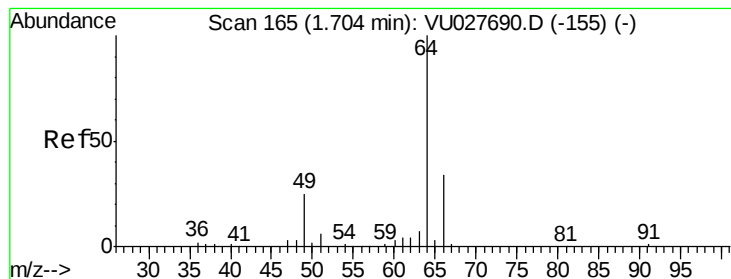
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.317 ug/L

RT: 1.73 min Scan# 173

Delta R.T. 0.03 min

Lab File: VU027698.D

Acq: 18 Oct 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

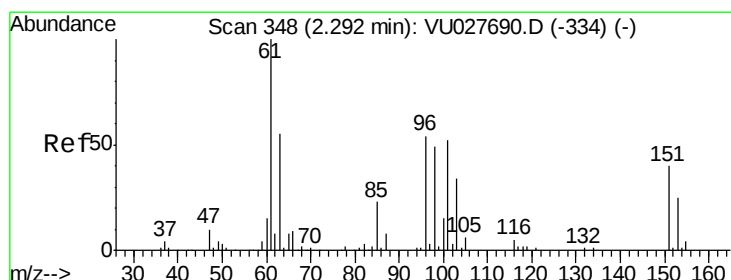
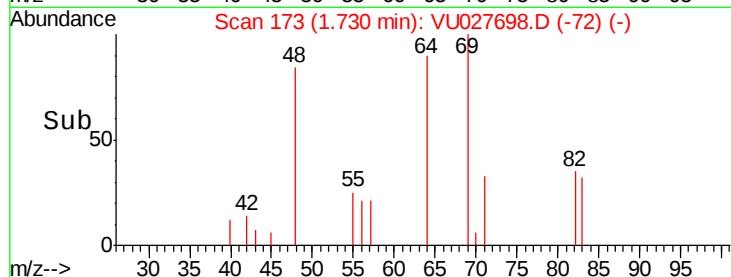
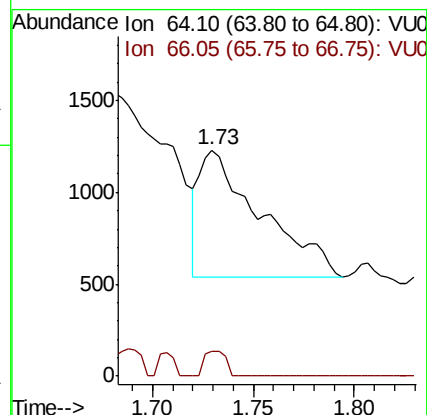
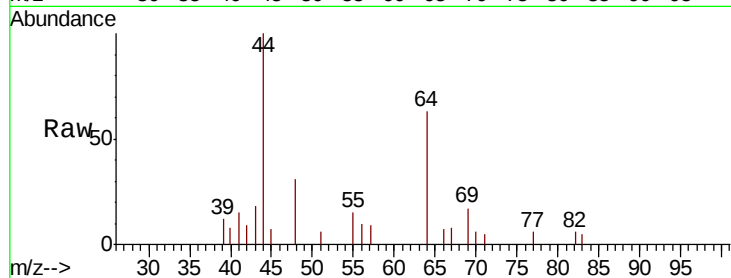
C0JD4

Tgt Ion: 64 Resp: 1446

Ion Ratio Lower Upper

64 100

66 11.0 23.5 43.7#



#10

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

Concen: 0.047 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU027698.D

Acq: 18 Oct 2018 14:51

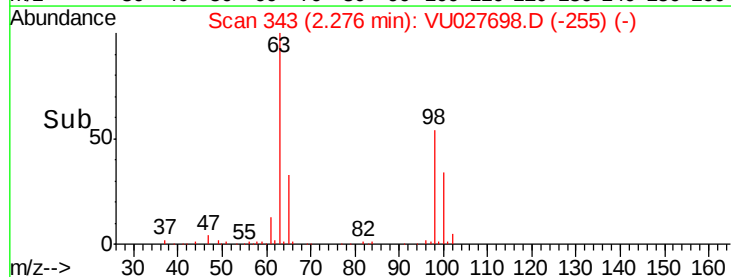
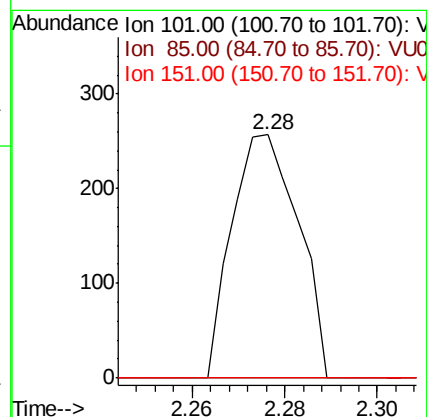
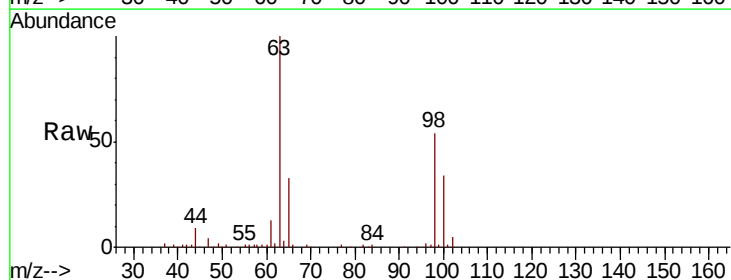
Tgt Ion: 101 Resp: 256

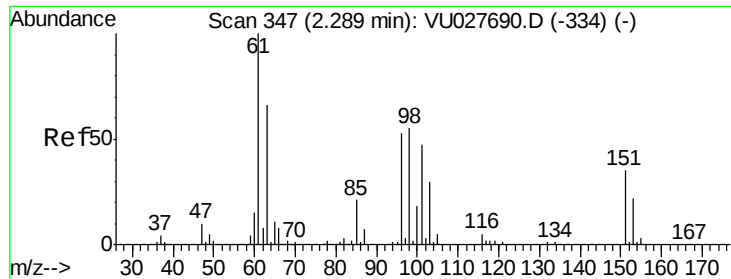
Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

151 0.0 63.8 95.6#

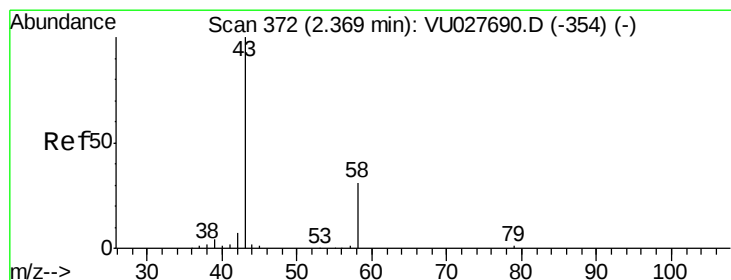
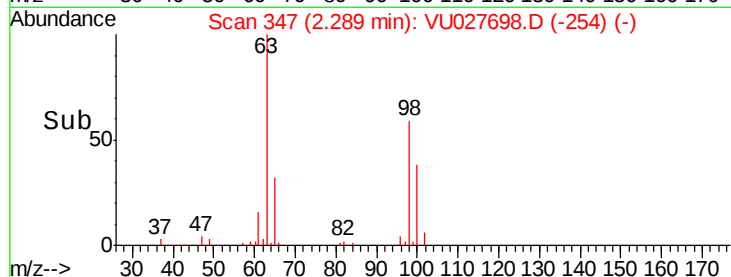
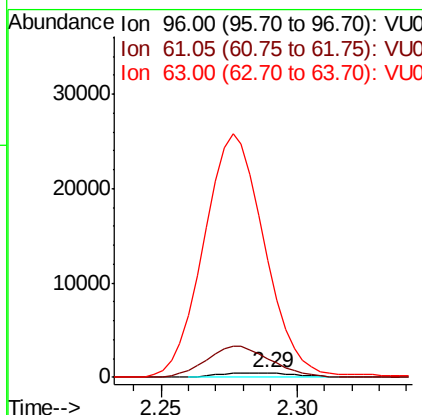
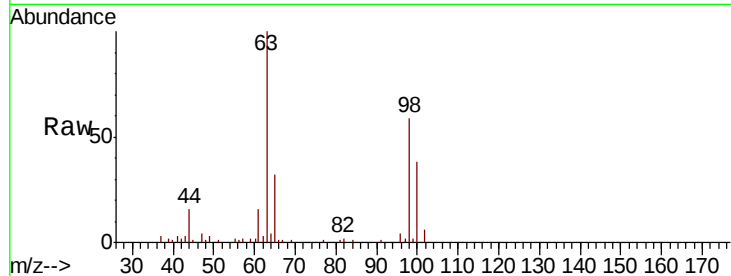




#12
 1,1-Dichloroethene
 Concen: 0.166 ug/L
 RT: 2.29 min Scan# 347
 Delta R.T. 0.00 min
 Lab File: VU027698.D
 Acq: 18 Oct 2018 14:51

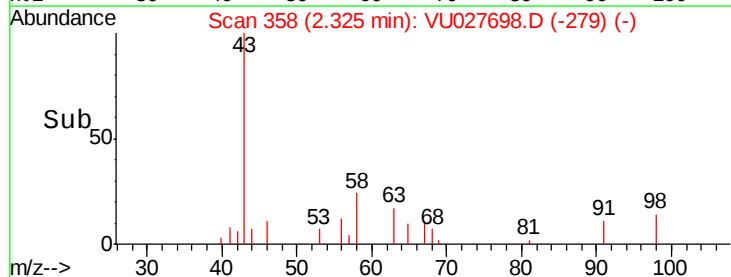
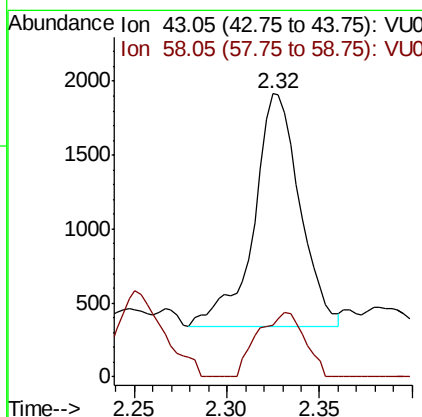
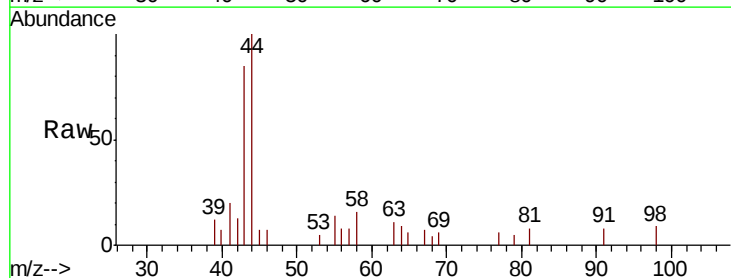
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JD4

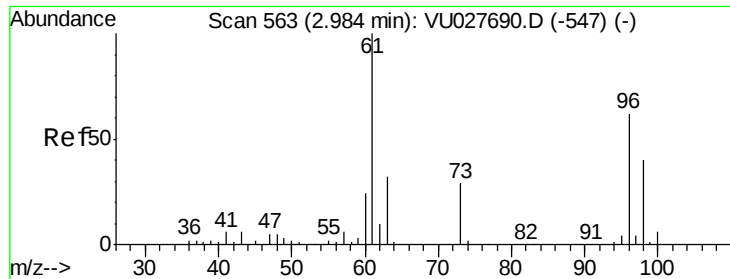
Tgt Ion: 96 Resp: 912
 Ion Ratio Lower Upper
 96 100
 61 398.4 125.6 233.2#
 63 2477.2 97.6 181.2#



#13
 Acetone
 Concen: 2.317 ug/L
 RT: 2.32 min Scan# 358
 Delta R.T. -0.04 min
 Lab File: VU027698.D
 Acq: 18 Oct 2018 14:51

Tgt Ion: 43 Resp: 2711
 Ion Ratio Lower Upper
 43 100
 58 28.6 0.0 66.4





#18

trans-1,2-Dichloroethene

Concen: 0.087 ug/L

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU027698.D

Acq: 18 Oct 2018 14:51

Instrument :

MSVOA_U

ClientSampleID :

C0JD4

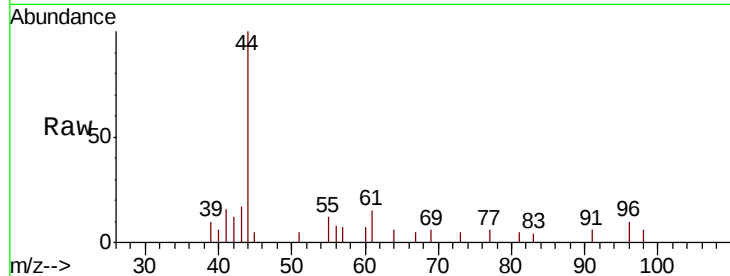
Tgt Ion: 96 Resp: 508

Ion Ratio Lower Upper

96 100

61 145.6 105.8 196.4

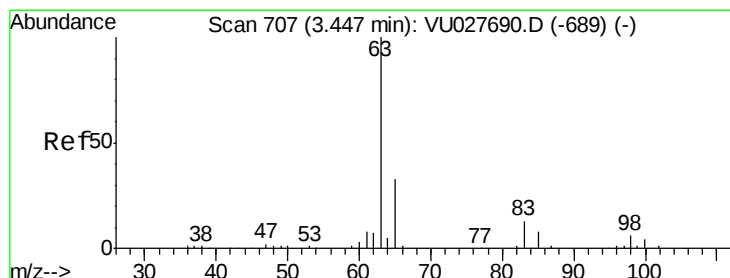
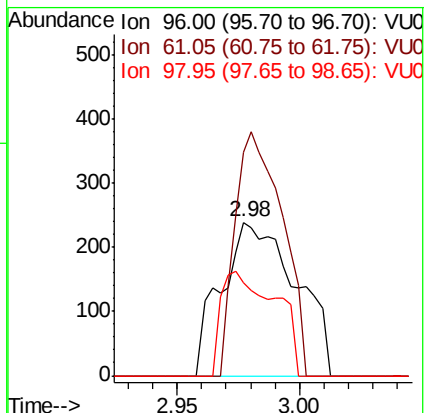
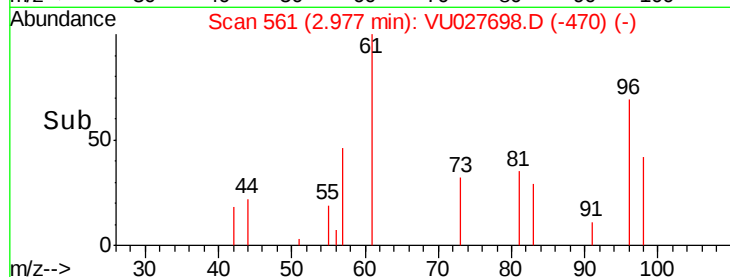
98 60.7 43.6 81.0



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: 0.128 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027698.D

Acq: 18 Oct 2018 14:51

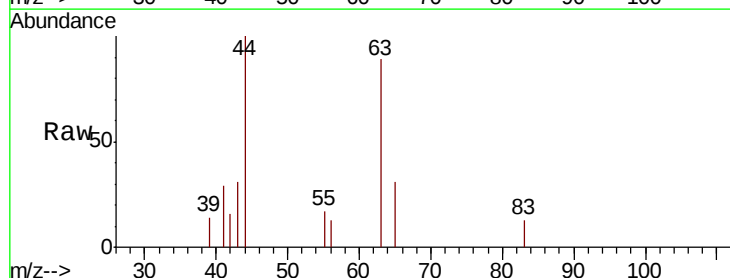
Tgt Ion: 63 Resp: 1483

Ion Ratio Lower Upper

63 100

65 35.5 22.3 41.3

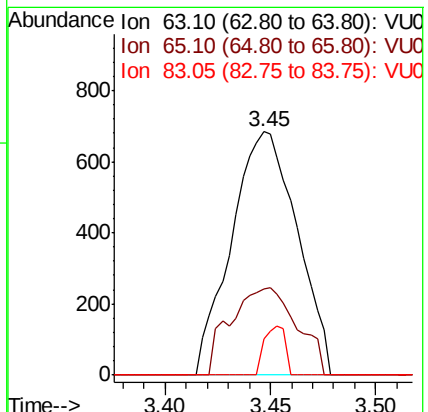
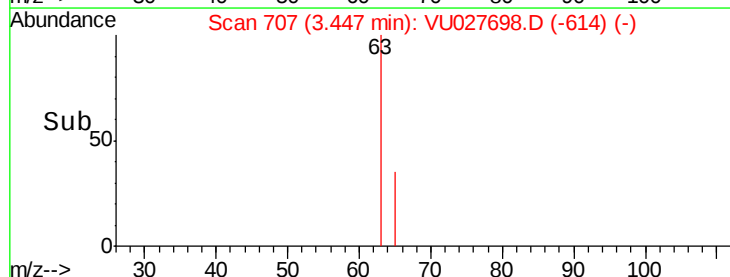
83 14.7 9.7 17.9

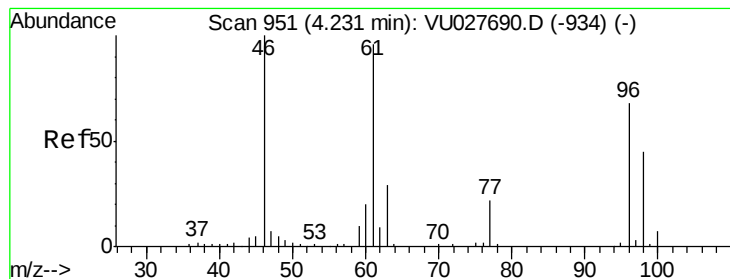


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



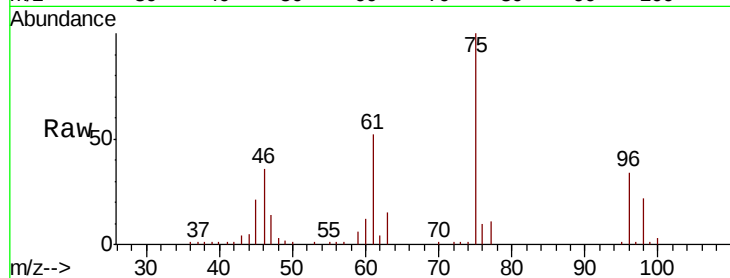


#22

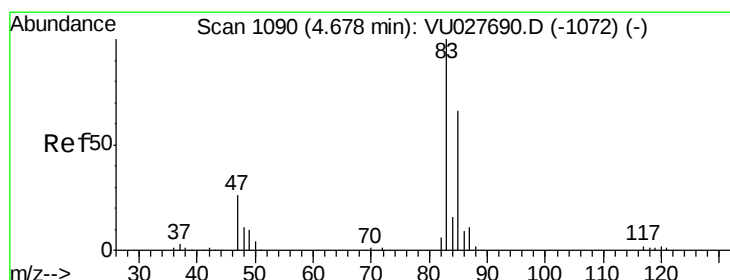
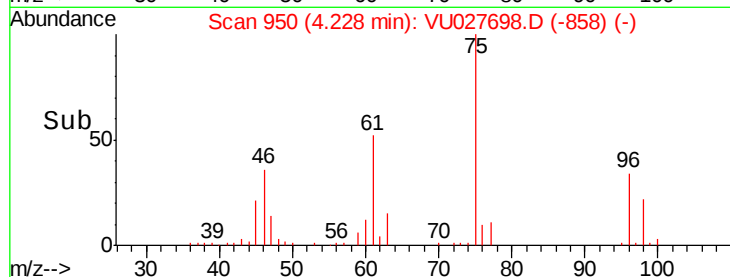
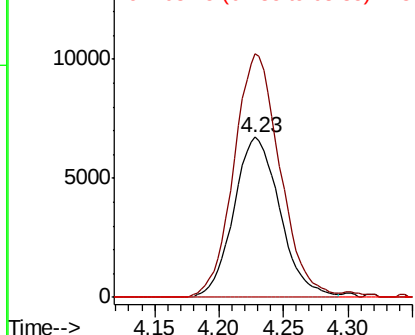
cis-1,2-Dichloroethene
 Concen: 2.603 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027698.D
 Acq: 18 Oct 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleID :
 C0JD4

Tgt Ion: 96 Resp: 16783
 Ion Ratio Lower Upper
 96 100
 61 152.0 95.3 176.9
 68 0.0 1.1 2.1#



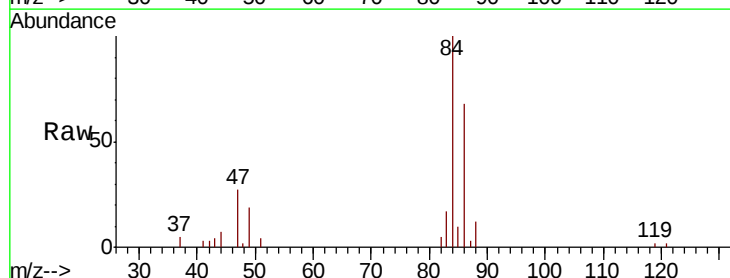
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



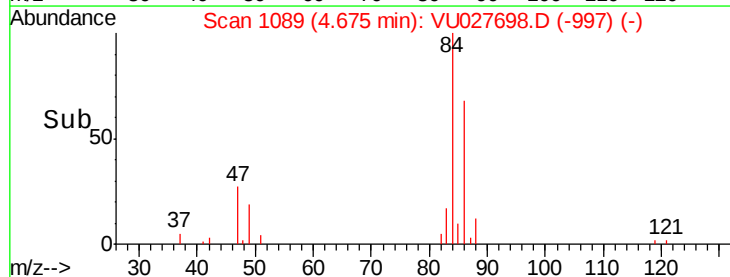
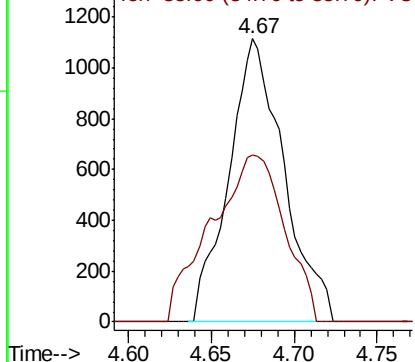
#25

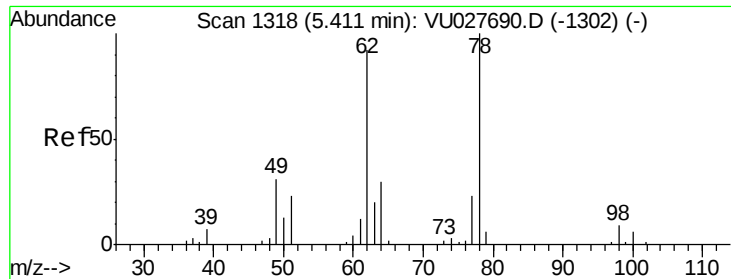
Chloroform
 Concen: 0.231 ug/L
 RT: 4.67 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VU027698.D
 Acq: 18 Oct 2018 14:51

Tgt Ion: 83 Resp: 2582
 Ion Ratio Lower Upper
 83 100
 85 59.2 46.1 85.7



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

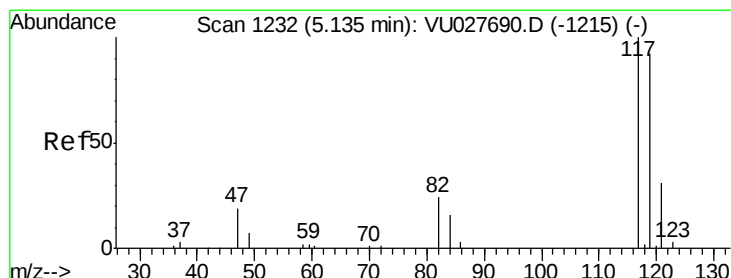
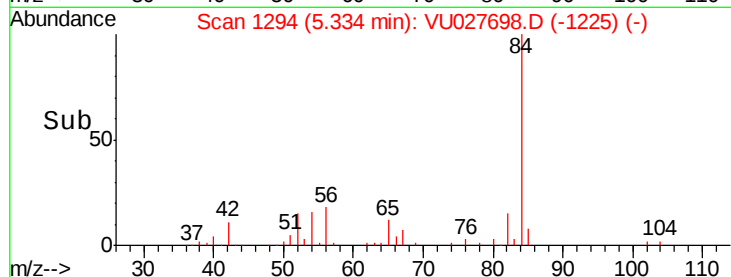
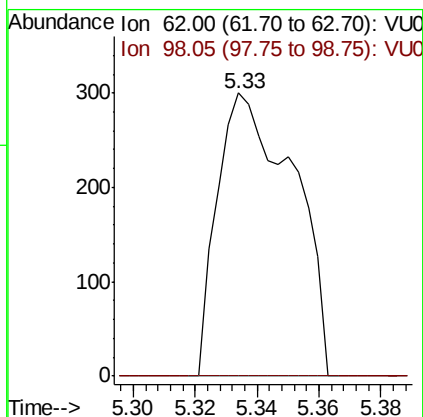
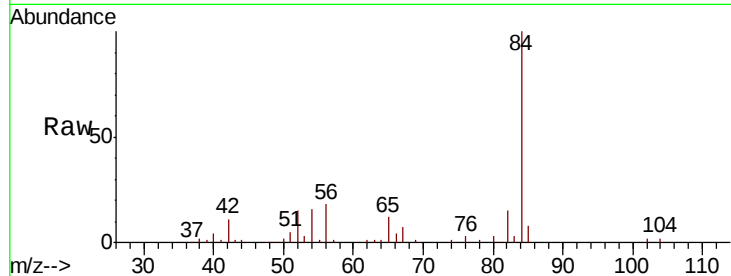




#27
 1,2-Dichloroethane
 Concen: 0.072 ug/L
 RT: 5.33 min Scan# 1294
 Delta R.T. -0.08 min
 Lab File: VU027698.D
 Acq: 18 Oct 2018 14:51

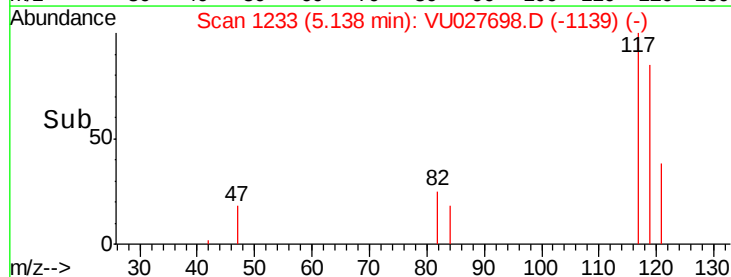
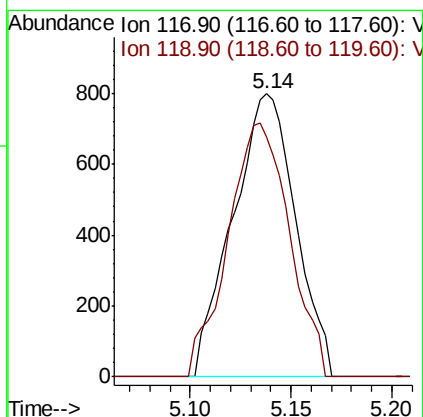
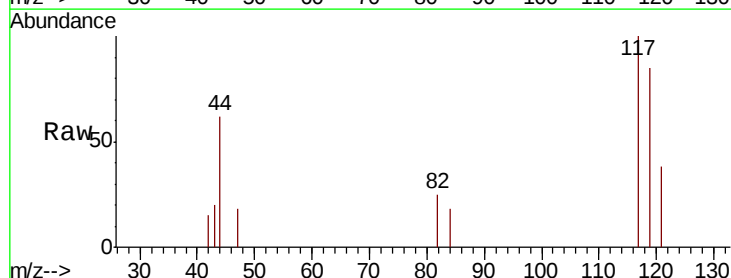
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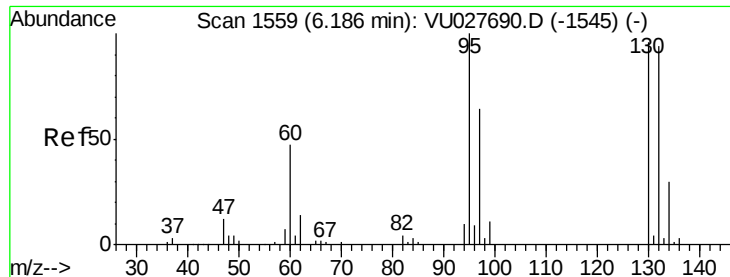
Tgt Ion: 62 Resp: 512
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.4 12.6#



#31
 Carbon tetrachloride
 Concen: 0.204 ug/L
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027698.D
 Acq: 18 Oct 2018 14:51

Tgt Ion: 117 Resp: 1734
 Ion Ratio Lower Upper
 117 100
 119 87.4 77.1 115.7





#34

Trichloroethene

Concen: 7.235 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027698.D

Acq: 18 Oct 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

C0JD4

Tgt Ion: 95 Resp: 46942

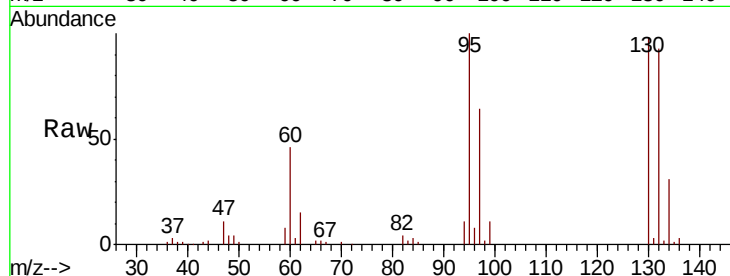
Ion Ratio Lower Upper

95 100

97 64.1 44.7 83.1

132 92.8 65.9 122.5

130 97.6 67.9 126.1

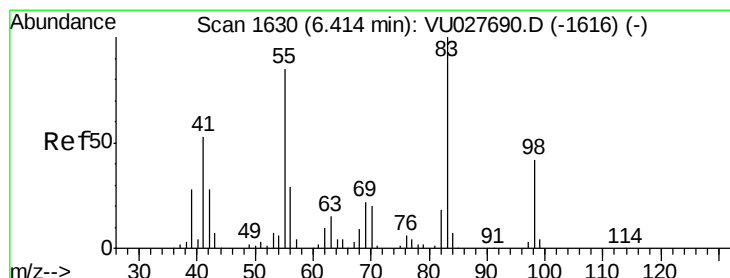
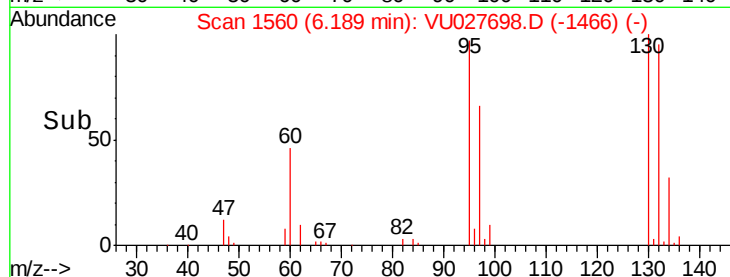
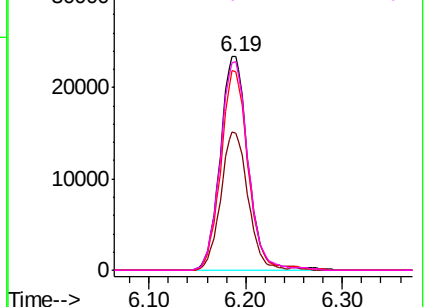


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.664 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU027698.D

Acq: 18 Oct 2018 14:51

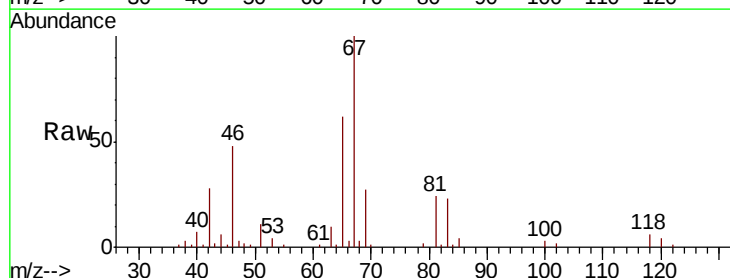
Tgt Ion: 83 Resp: 7427

Ion Ratio Lower Upper

83 100

55 3.4 69.0 103.4#

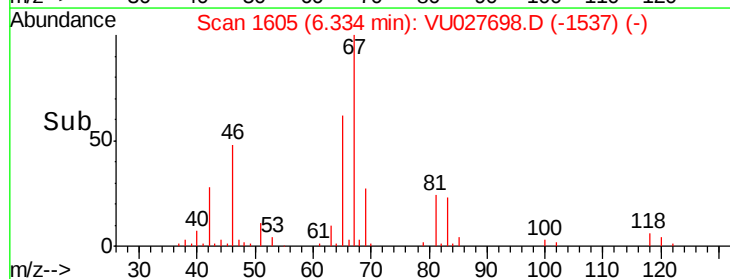
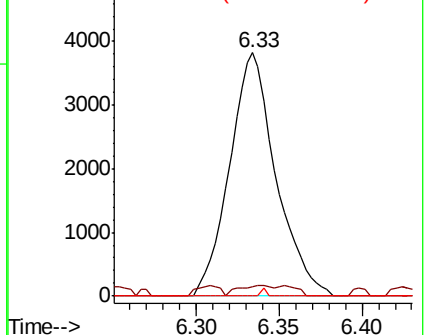
98 0.0 35.4 53.2#

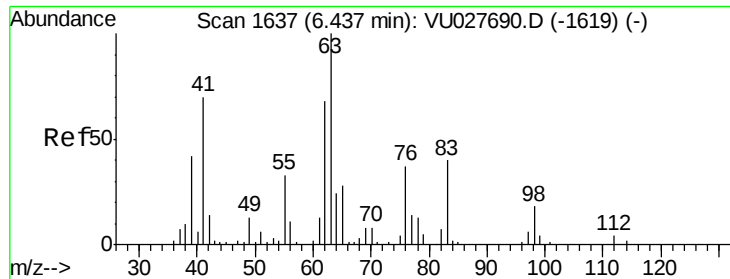


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

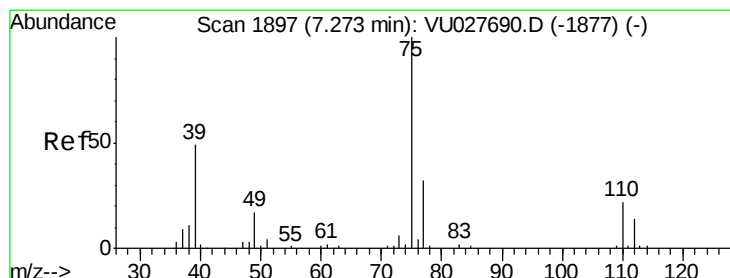
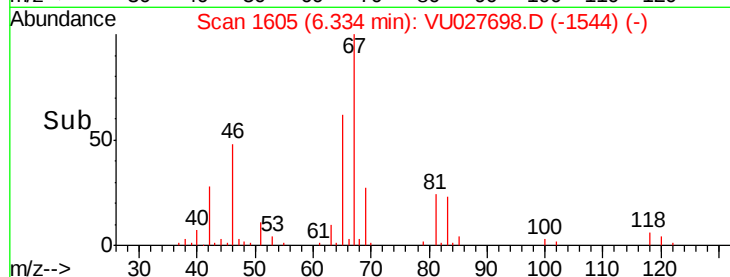
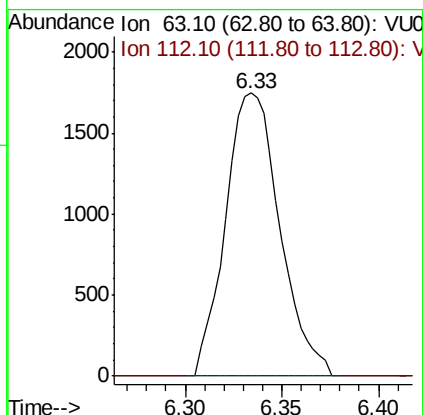
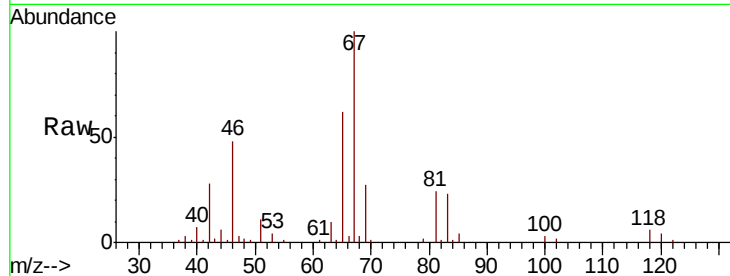




#37
 1,2-Dichloropropane
 Concen: 0.474 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU027698.D
 Acq: 18 Oct 2018 14:51

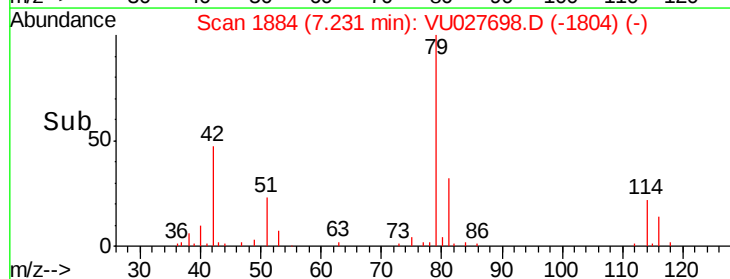
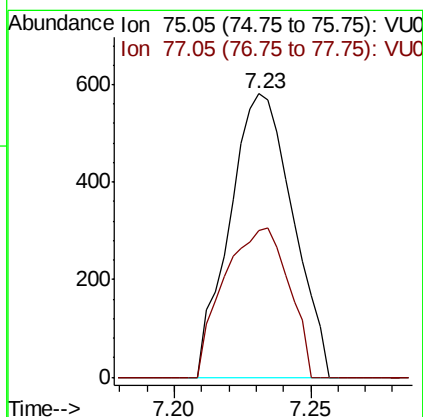
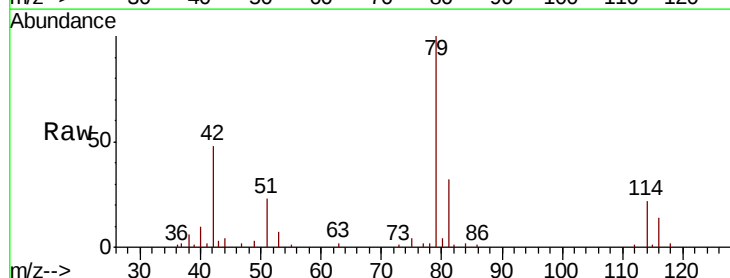
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JD4

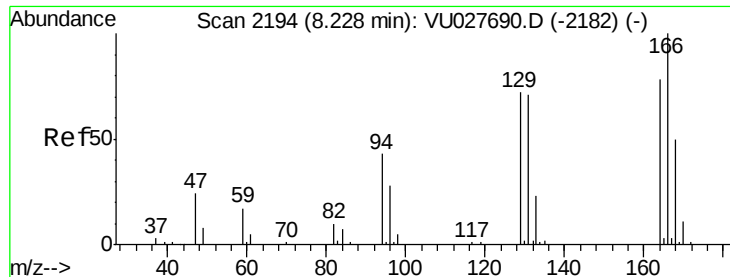
Tgt Ion: 63 Resp: 3413
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.8 4.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU027698.D
 Acq: 18 Oct 2018 14:51

Tgt Ion: 75 Resp: 933
 Ion Ratio Lower Upper
 75 100
 77 52.0 22.2 41.2#





#47

Tetrachloroethene

Concen: 0.469 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027698.D

Acq: 18 Oct 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

C0JD4

Tgt Ion:164 Resp: 2429

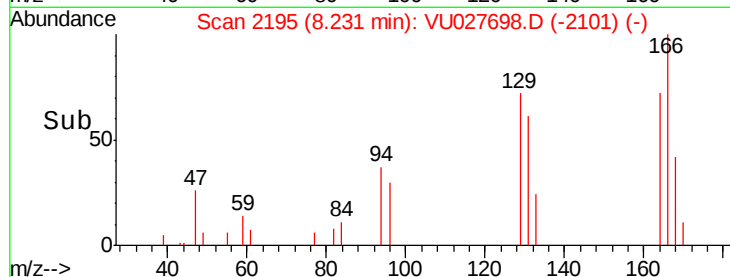
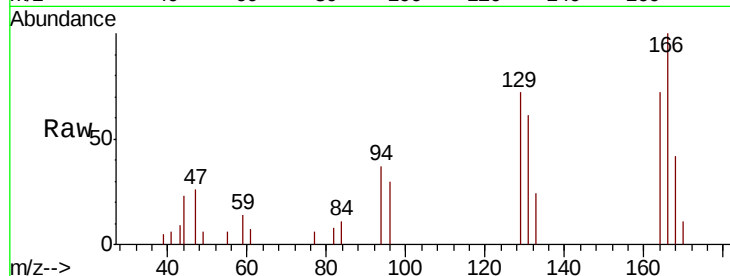
Ion Ratio Lower Upper

164 100

129 101.0 67.3 124.9

131 85.2 64.8 120.3

166 139.7 91.8 170.4

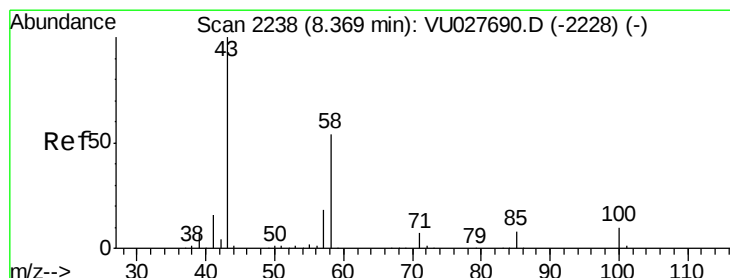
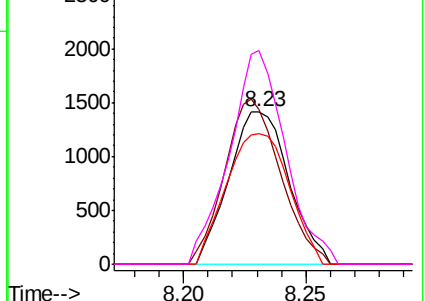


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.354 ug/L

RT: 8.31 min Scan# 2221

Delta R.T. -0.05 min

Lab File: VU027698.D

Acq: 18 Oct 2018 14:51

Tgt Ion: 43 Resp: 8194

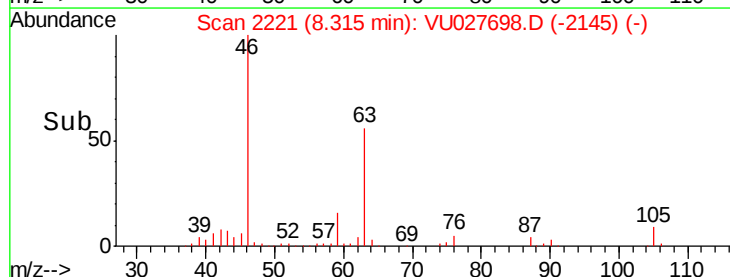
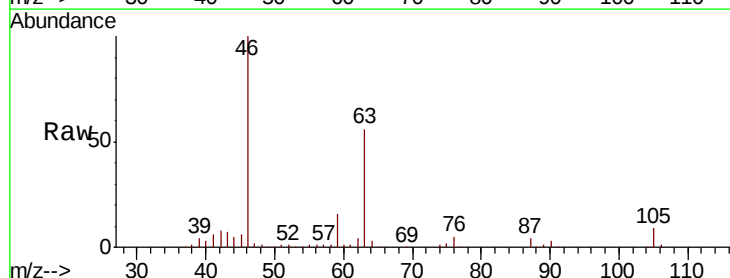
Ion Ratio Lower Upper

43 100

58 23.6 42.7 64.1#

57 24.2 14.5 21.7#

100 0.0 8.1 12.1#

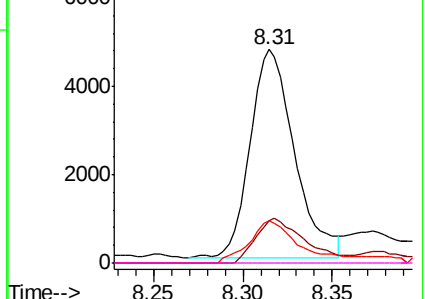


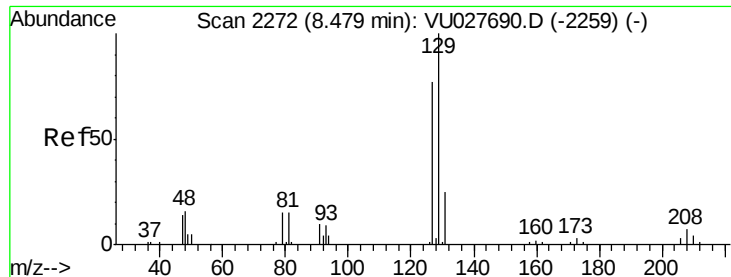
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

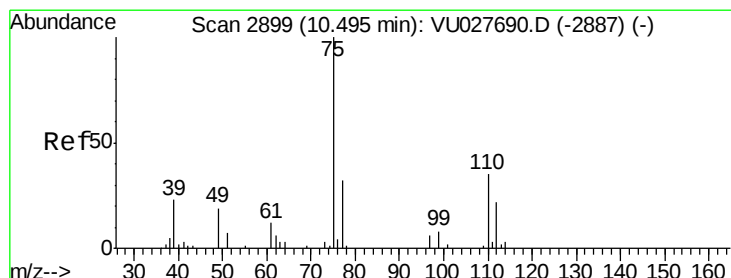
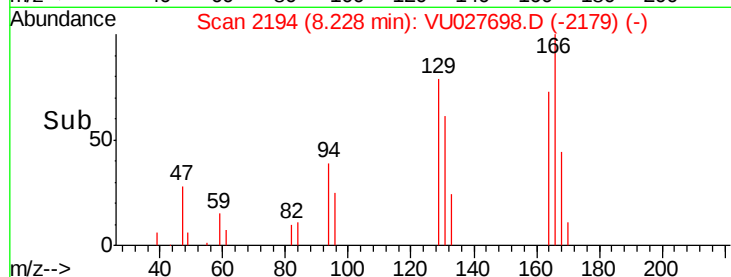
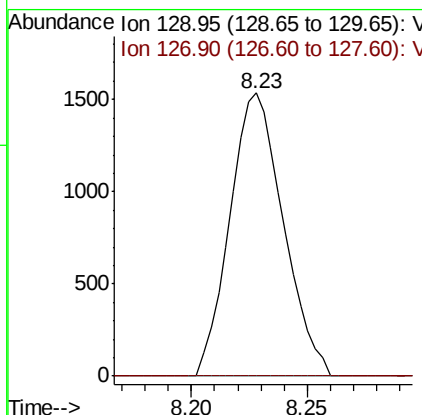
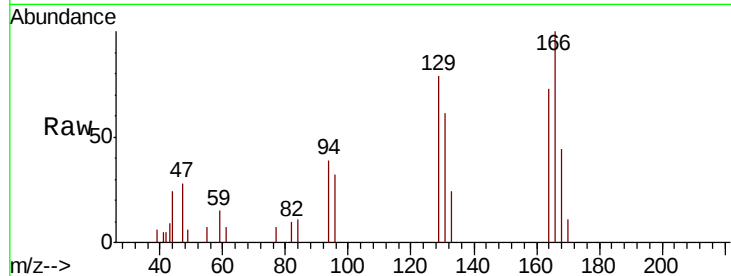




#49
Dibromochloromethane
Concen: 0.427 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU027698.D
Acq: 18 Oct 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
C0JD4

Tgt Ion:129 Resp: 2454
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#



#59
1,2,3-Trichloropropane
Concen: 1.091 ug/L
RT: 11.48 min Scan# 3206
Delta R.T. 0.99 min
Lab File: VU027698.D
Acq: 18 Oct 2018 14:51

Tgt Ion: 75 Resp: 4511
Ion Ratio Lower Upper
75 100
77 37.4 26.9 40.3

