

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027681.D
 Acq On : 17 Oct 2018 16:30
 Operator : MD/SY
 Sample : J5463-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JC2

Quant Time: Oct 19 06:49:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 06:41:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	77416	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	74764	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	37603	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27834	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.68	69	22301	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.28	63	42813	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	4.20	46	86680	49.55	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.10%
24) Chloroform-d	4.65	84	46752	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.31	65	25987	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	100044	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.33	67	35527	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.57	98	96655	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.85	79	13967	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.32	63	75525	49.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.34%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	25712	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	35146	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	360	0.068	ug/L #	29
12) 1,1-Dichloroethene	2.29	96	6337	1.210	ug/L #	1
13) Acetone	2.32	43	2655	2.373	ug/L	91
19) 1,1-Dichloroethane	3.45	63	1005	0.091	ug/L #	74
22) cis-1,2-Dichloroethene	4.23	96	3826	0.621	ug/L #	73
25) Chloroform	4.68	83	6796	0.635	ug/L	95
29) 1,1,1-Trichloroethane	4.92	97	1492	0.163	ug/L #	73
31) Carbon tetrachloride	5.14	117	951	0.115	ug/L	86
34) Trichloroethene	6.18	95	28607	4.517	ug/L	98
35) Methylcyclohexane	6.33	83	7644	0.700	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	3401	0.484	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	885	0.087	ug/L #	65
47) Tetrachloroethene	8.23	164	9673	1.913	ug/L	98
48) 2-Hexanone	8.37	43	1568	0.461	ug/L #	45
49) Dibromochloromethane	8.22	129	9270	1.651	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	4550	1.127	ug/L	93

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Response via : Initial Calibration

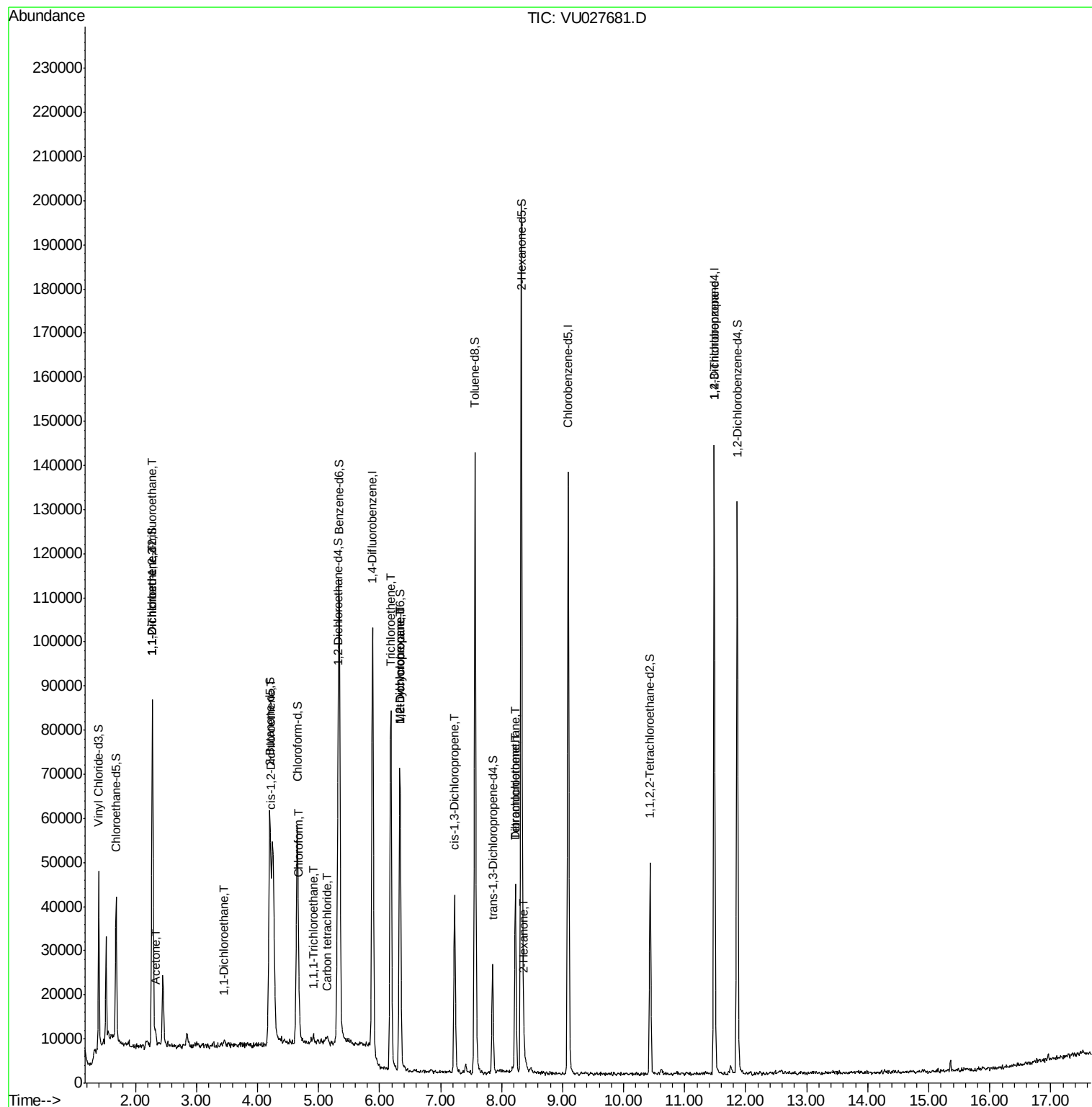
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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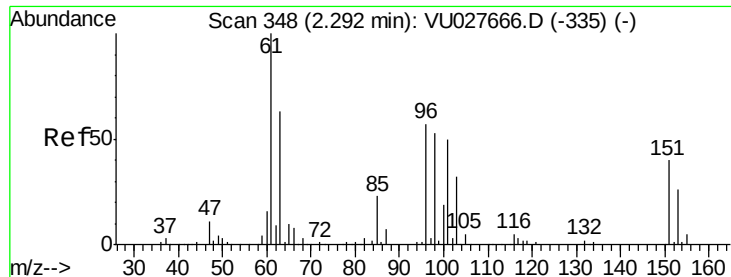
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.068 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027681.D

Acq: 17 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

C0JC2

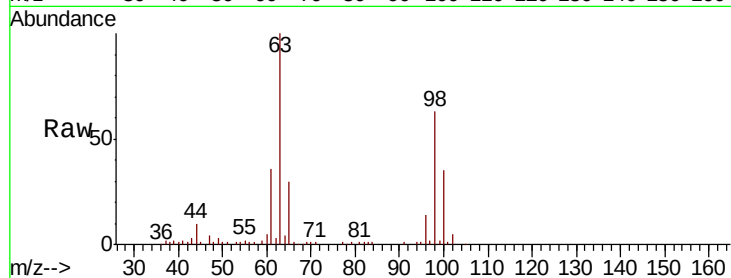
Tgt Ion: 101 Resp: 360

Ion Ratio Lower Upper

101 100

85 20.8 35.6 53.4#

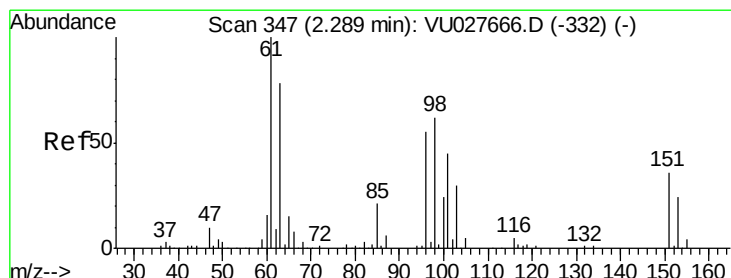
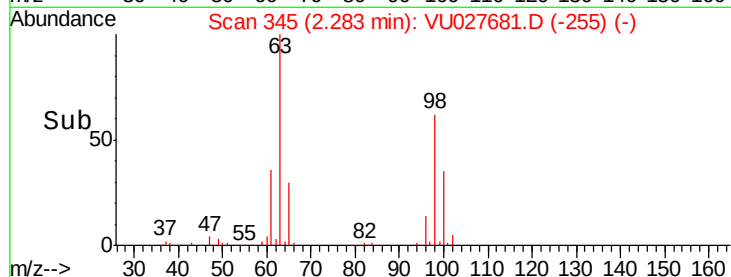
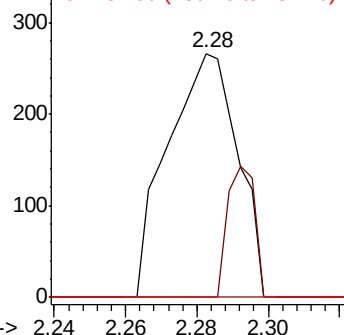
151 0.0 63.8 95.6#



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



#12

1,1-Dichloroethene

Concen: 1.210 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027681.D

Acq: 17 Oct 2018 16:30

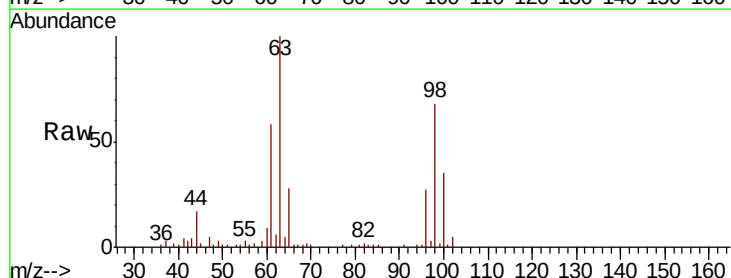
Tgt Ion: 96 Resp: 6337

Ion Ratio Lower Upper

96 100

61 216.7 125.6 233.2

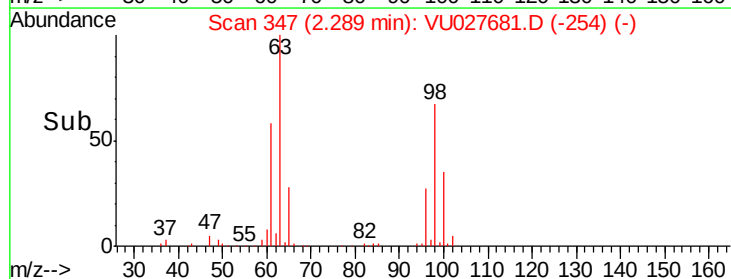
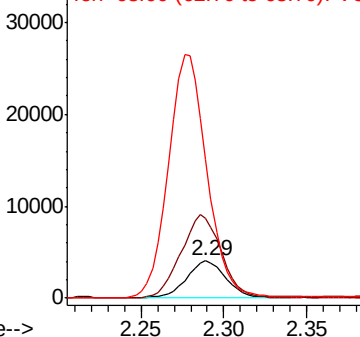
63 374.1 97.6 181.2#

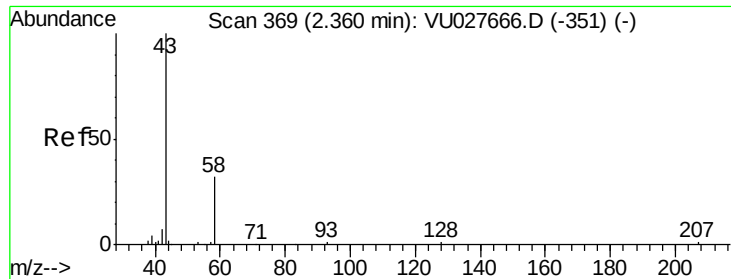


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.373 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.04 min

Lab File: VU027681.D

Acq: 17 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

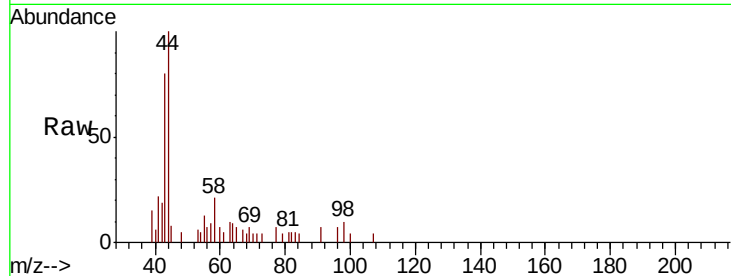
C0JC2

Tgt Ion: 43 Resp: 2655

Ion Ratio Lower Upper

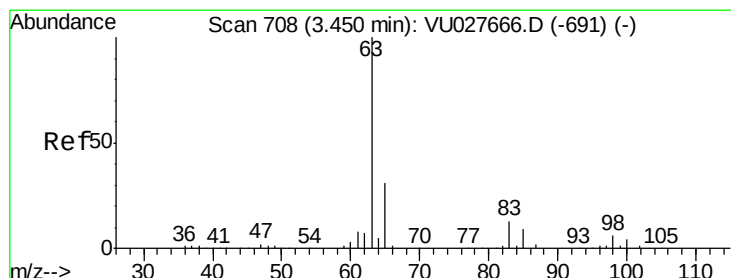
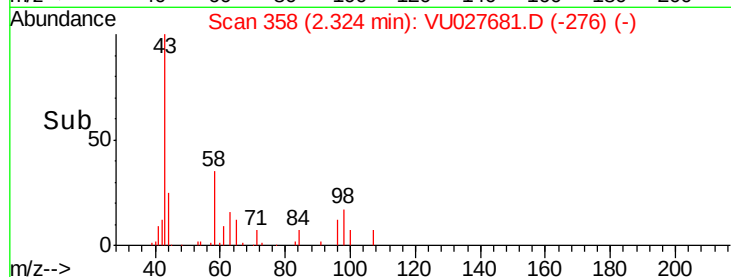
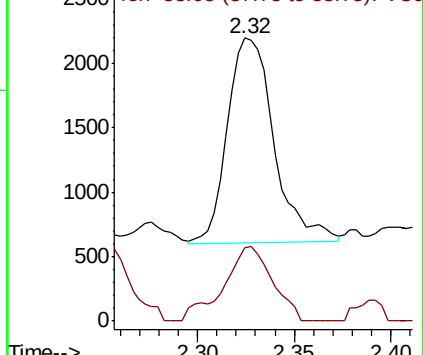
43 100

58 38.2 0.0 66.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#19

1,1-Dichloroethane

Concen: 0.091 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027681.D

Acq: 17 Oct 2018 16:30

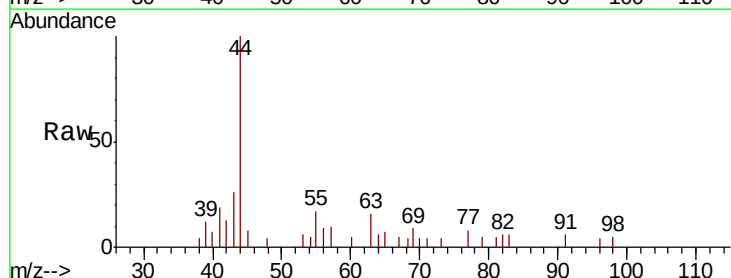
Tgt Ion: 63 Resp: 1005

Ion Ratio Lower Upper

63 100

65 39.8 22.3 41.3

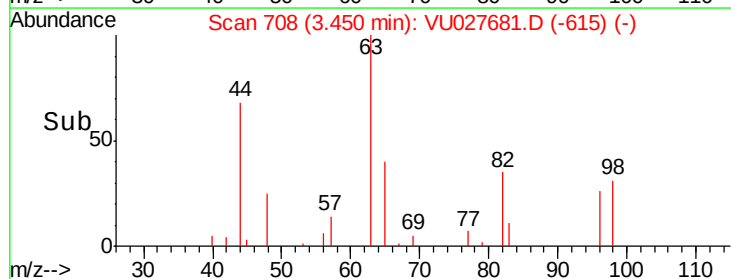
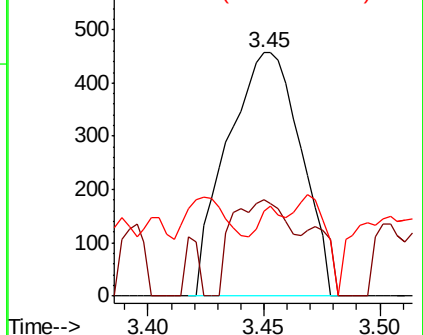
83 34.8 9.7 17.9#

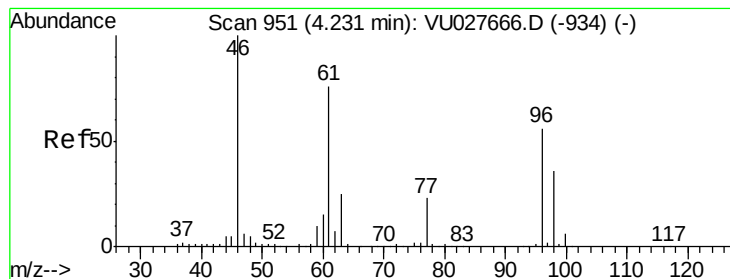


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.621 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027681.D

Acq: 17 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

C0JC2

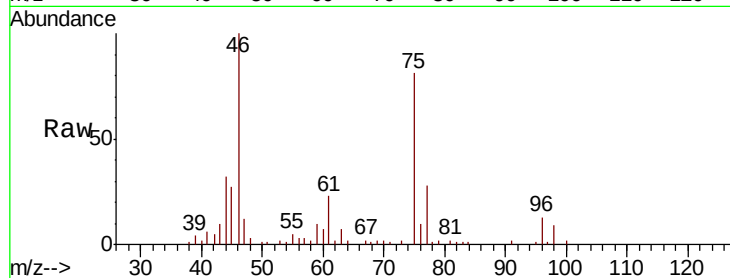
Tgt Ion: 96 Resp: 3826

Ion Ratio Lower Upper

96 100

61 169.0 95.3 176.9

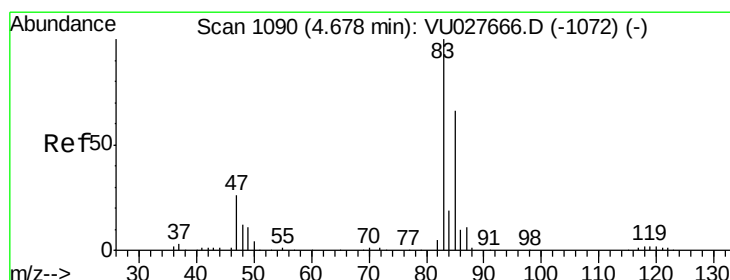
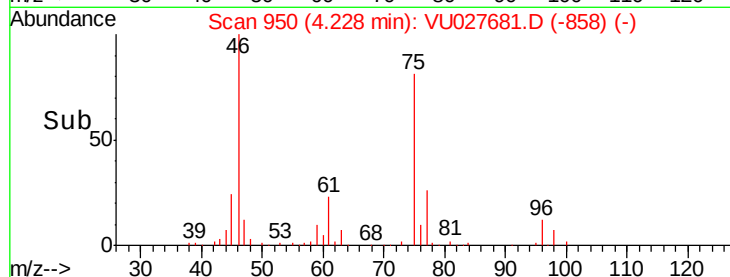
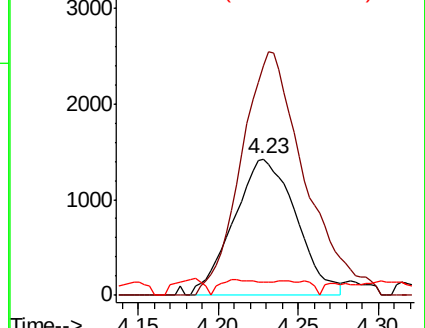
68 9.6 1.1 2.1#



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: 0.635 ug/L

RT: 4.68 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VU027681.D

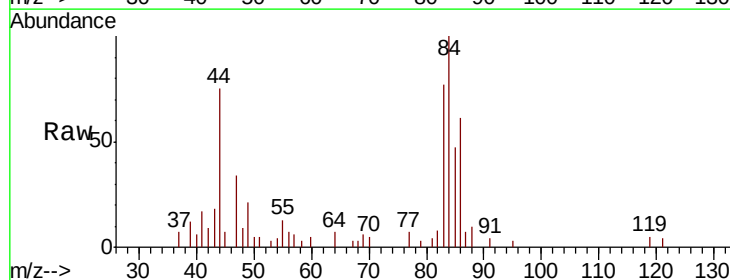
Acq: 17 Oct 2018 16:30

Tgt Ion: 83 Resp: 6796

Ion Ratio Lower Upper

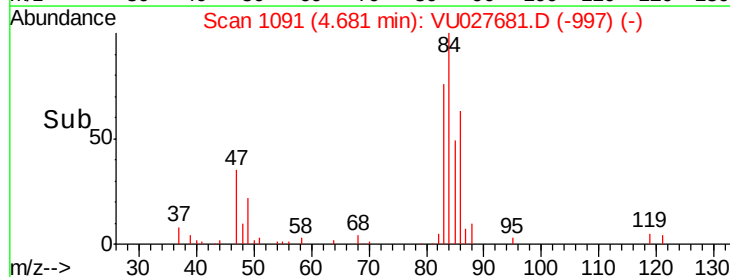
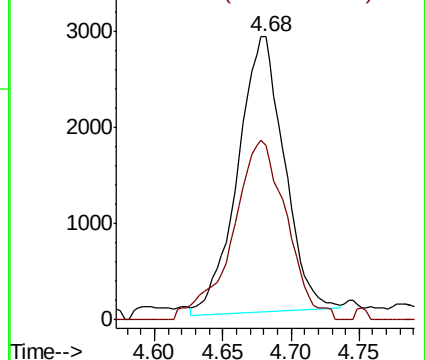
83 100

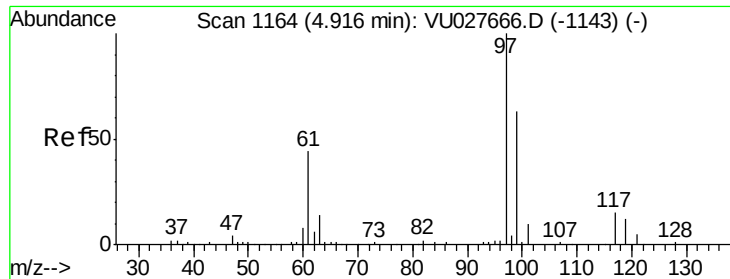
85 61.8 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

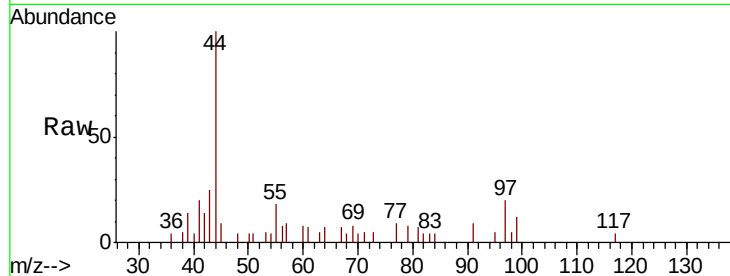




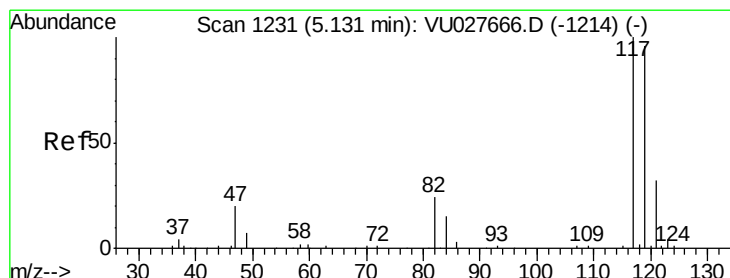
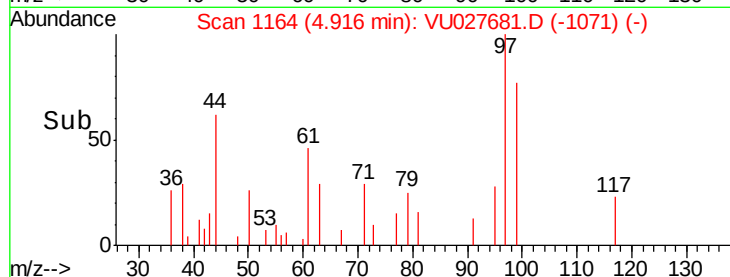
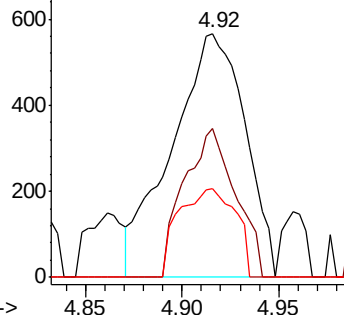
#29
 1,1,1-Trichloroethane
 Concen: 0.163 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU027681.D
 Acq: 17 Oct 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JC2

Tgt Ion: 97 Resp: 1492
 Ion Ratio Lower Upper
 97 100
 99 42.7 51.4 77.2#
 61 27.9 35.7 53.5#

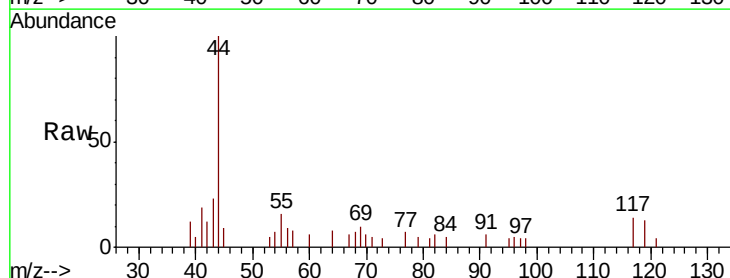


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

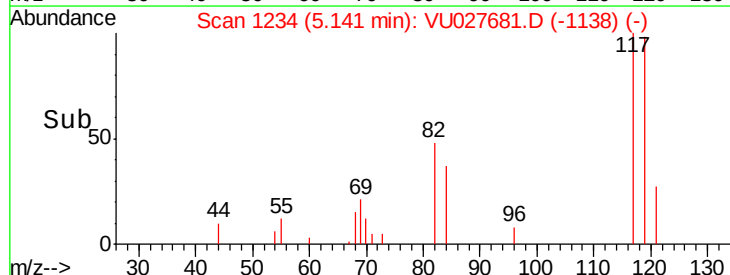
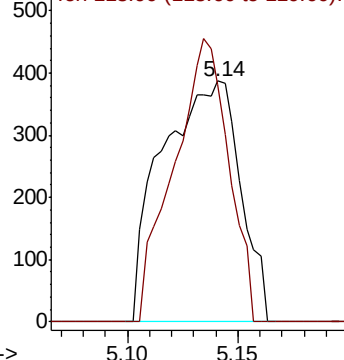


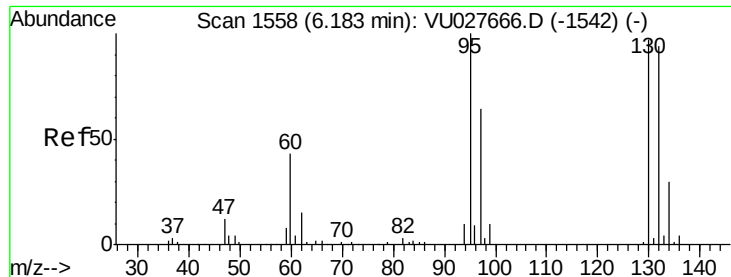
#31
 Carbon tetrachloride
 Concen: 0.115 ug/L
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VU027681.D
 Acq: 17 Oct 2018 16:30

Tgt Ion: 117 Resp: 951
 Ion Ratio Lower Upper
 117 100
 119 82.4 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 4.517 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU027681.D

Acq: 17 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

C0JC2

Tgt Ion: 95 Resp: 28607

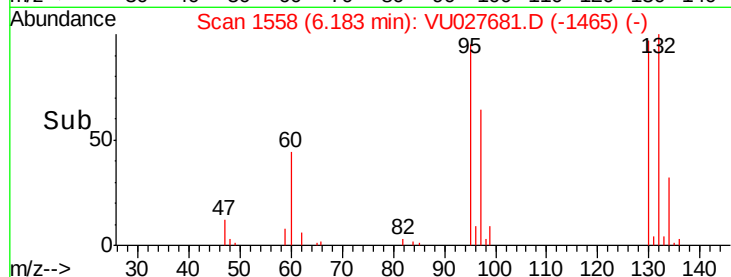
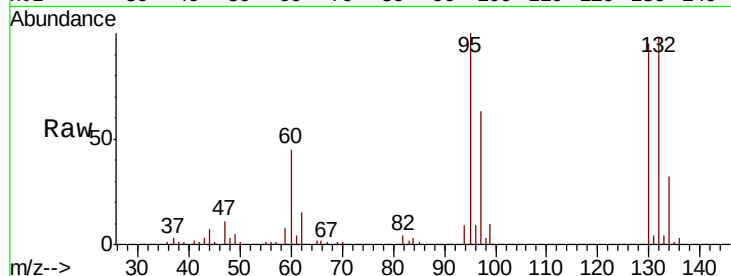
Ion Ratio Lower Upper

95 100

97 62.6 44.7 83.1

132 97.6 65.9 122.5

130 95.0 67.9 126.1

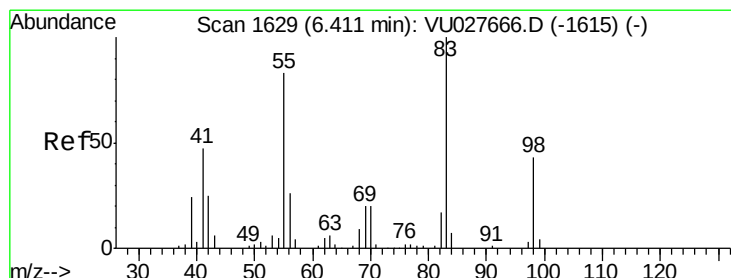
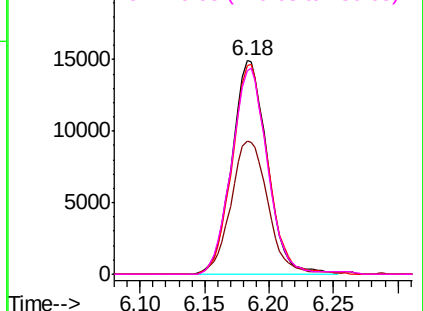


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.700 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU027681.D

Acq: 17 Oct 2018 16:30

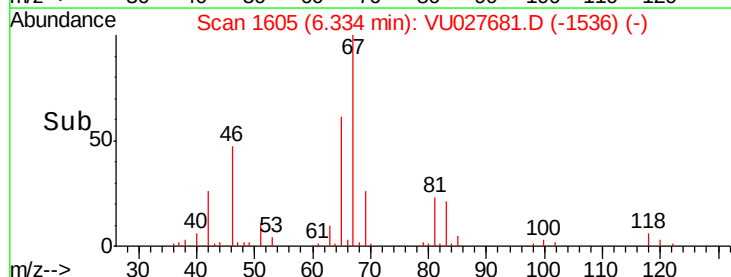
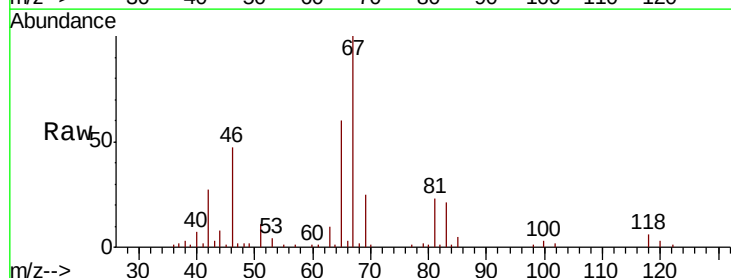
Tgt Ion: 83 Resp: 7644

Ion Ratio Lower Upper

83 100

55 3.0 69.0 103.4#

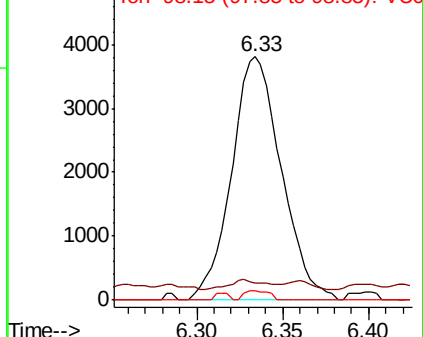
98 1.9 35.4 53.2#

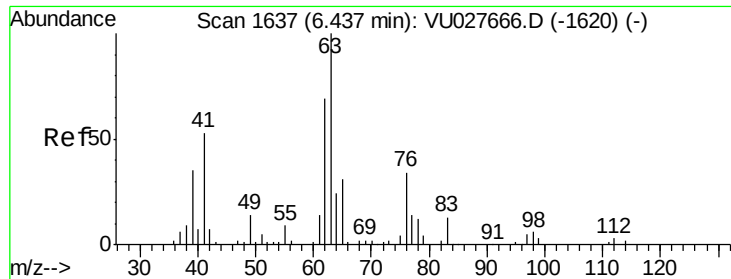


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

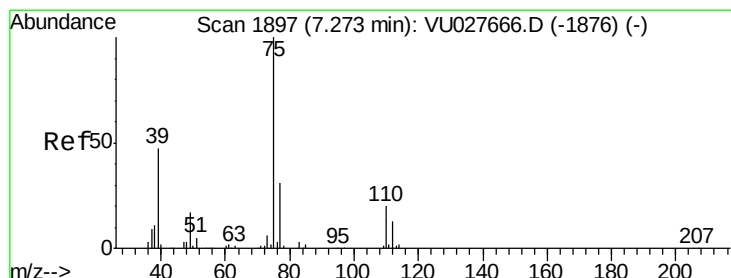
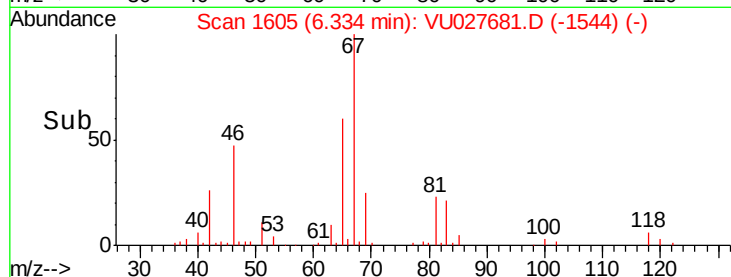
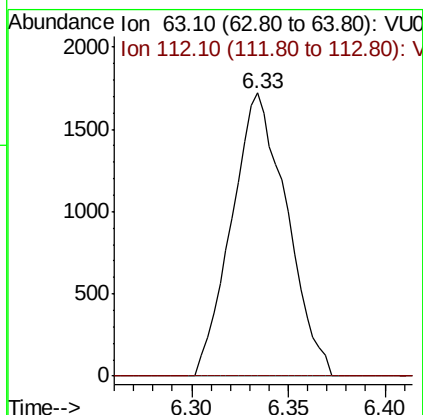
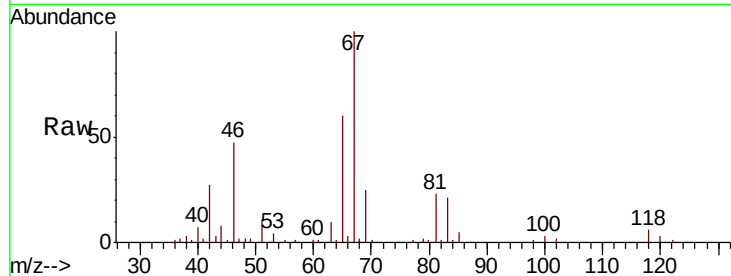




#37
 1,2-Dichloropropane
 Concen: 0.484 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU027681.D
 Acq: 17 Oct 2018 16:30

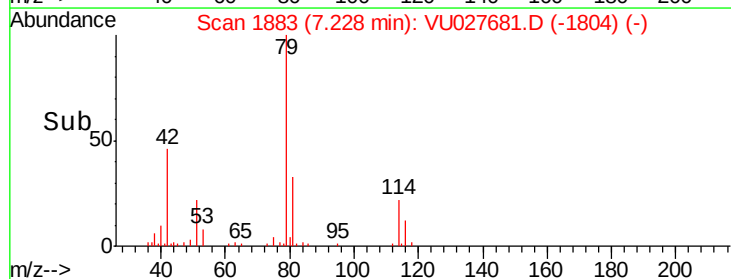
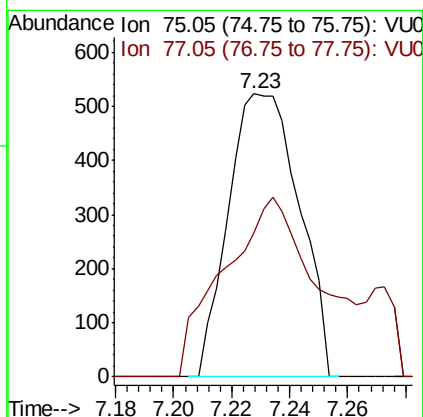
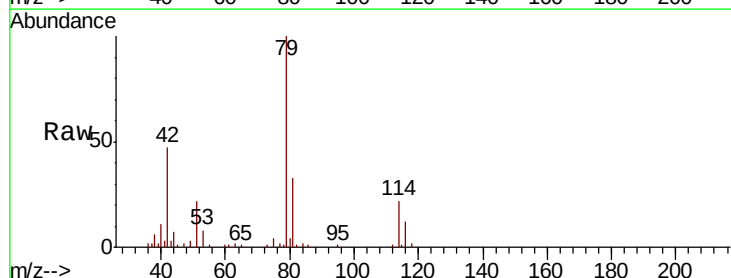
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JC2

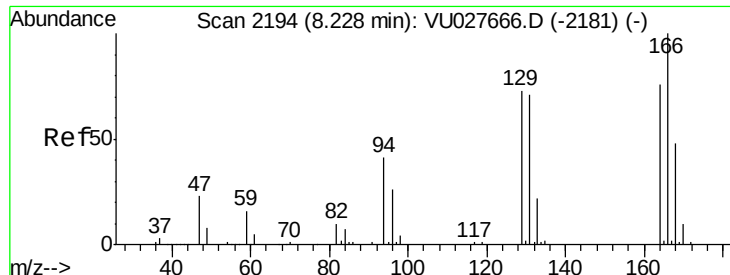
Tgt Ion: 63 Resp: 3401
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.8 4.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.05 min
 Lab File: VU027681.D
 Acq: 17 Oct 2018 16:30

Tgt Ion: 75 Resp: 885
 Ion Ratio Lower Upper
 75 100
 77 51.1 22.2 41.2#





#47

Tetrachloroethene

Concen: 1.913 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027681.D

Acq: 17 Oct 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

C0JC2

Tgt Ion:164 Resp: 9673

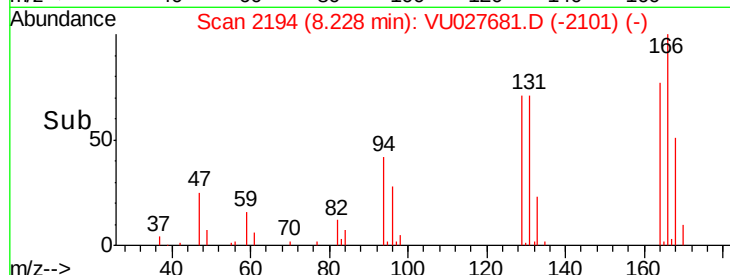
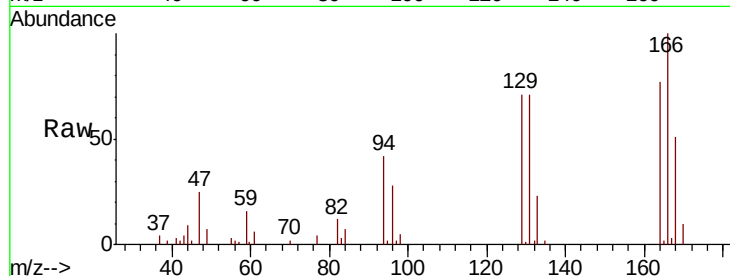
Ion Ratio Lower Upper

164 100

129 92.4 67.3 124.9

131 92.1 64.8 120.3

166 129.5 91.8 170.4

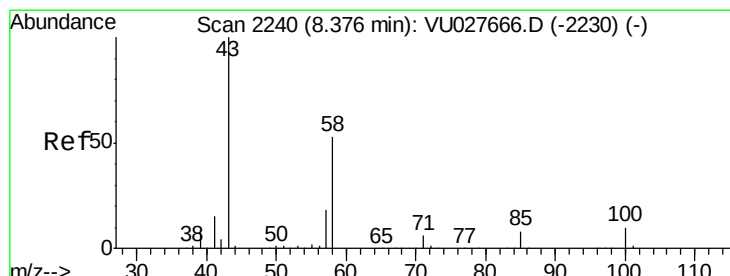
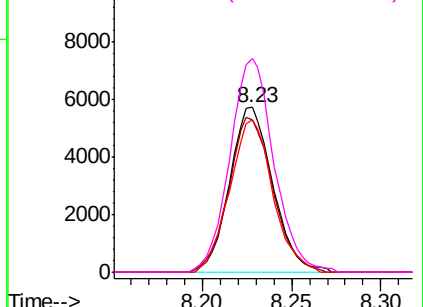


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.461 ug/L

RT: 8.37 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VU027681.D

Acq: 17 Oct 2018 16:30

Tgt Ion: 43 Resp: 1568

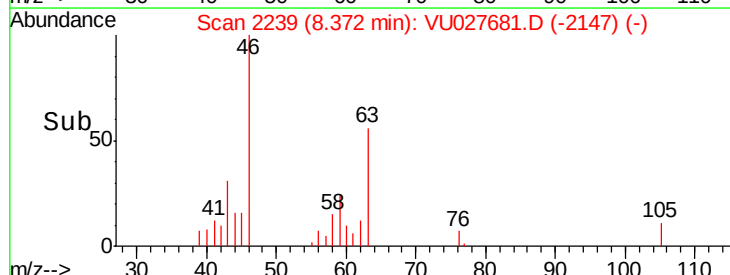
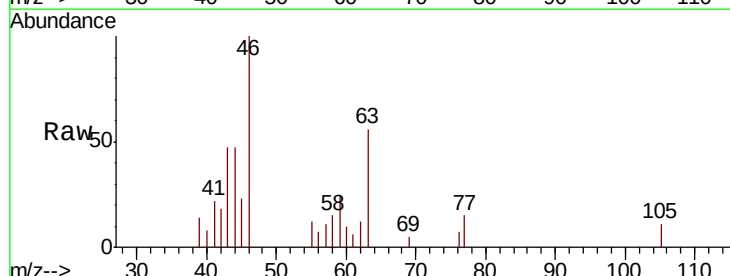
Ion Ratio Lower Upper

43 100

58 5.3 42.7 64.1#

57 3.7 14.5 21.7#

100 0.0 8.1 12.1#

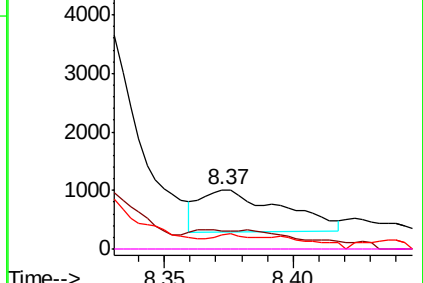


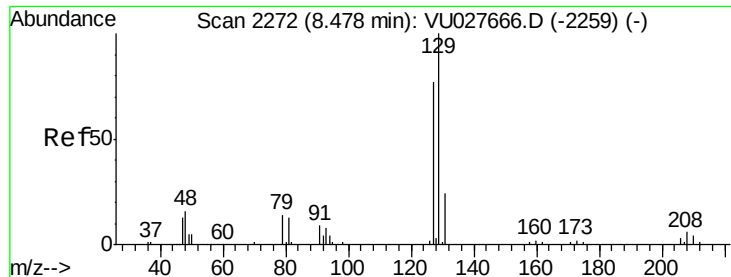
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

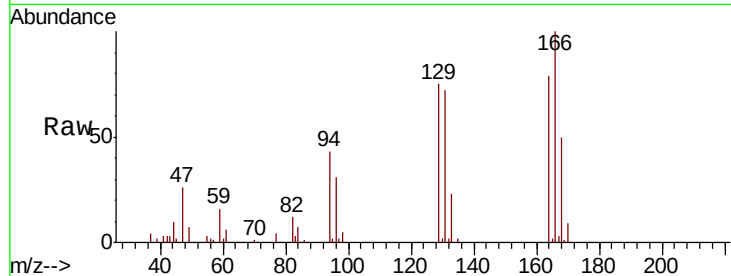




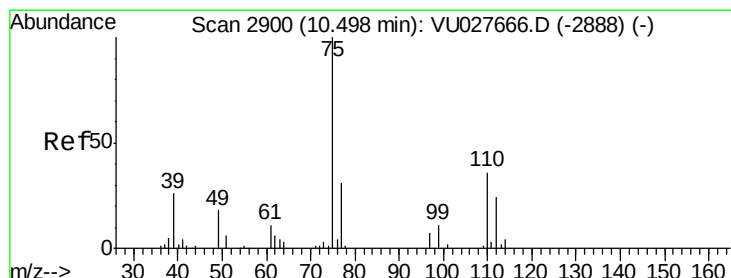
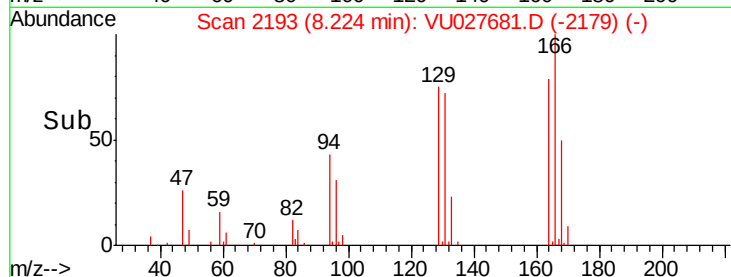
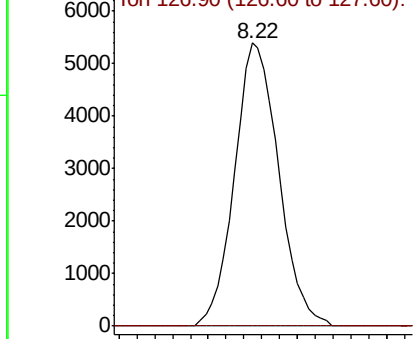
#49
Dibromochloromethane
Concen: 1.651 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. -0.25 min
Lab File: VU027681.D
Acq: 17 Oct 2018 16:30

Instrument :
MSVOA_U
ClientSampleId :
C0JC2

Tgt Ion: 129 Resp: 9270
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

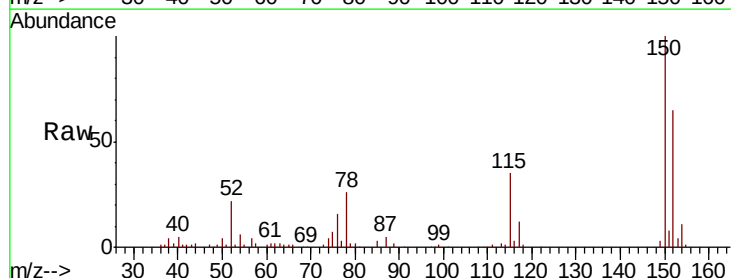


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#59
1,2,3-Trichloropropane
Concen: 1.127 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU027681.D
Acq: 17 Oct 2018 16:30

Tgt Ion: 75 Resp: 4550
Ion Ratio Lower Upper
75 100
77 37.7 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

