

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102218\
 Data File : VU027740.D
 Acq On : 22 Oct 2018 14:08
 Operator : MD/SY
 Sample : J5589-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0T26

Quant Time: Oct 23 08:51:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 23 08:01:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	114570	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	104137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	46685	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	39390	44.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.38%
7) Chloroethane-d5	1.68	69	30500	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.88%
11) 1,1-Dichloroethene-d2	2.27	63	55580	34.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.24%
21) 2-Butanone-d5	4.18	46	72267	95.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.13%
24) Chloroform-d	4.65	84	71213	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	5.31	65	51120	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
32) Benzene-d6	5.34	84	140749	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.92%
36) 1,2-Dichloropropane-d6	6.33	67	49897	47.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.24%
41) Toluene-d8	7.57	98	126787	46.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.70%
43) trans-1,3-Dichloropropene-	7.85	79	23854	46.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.78%
47) 2-Hexanone-d5	8.31	63	53370	98.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63527	46.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	46163	48.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.56%

Target Compounds

					Qvalue
8) Chloroethane	1.70	64	343	0.614 ug/L #	42
9) Trichlorofluoromethane	1.89	101	9261	7.429 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	385	0.564 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	405	0.634 ug/L #	1
13) Acetone	2.32	43	2061	3.895 ug/L	86
20) cis-1,2-Dichloroethene	4.23	96	1652	1.977 ug/L	98
34) Trichloroethene	6.19	95	78917	101.755 ug/L	99
35) Methylcyclohexane	6.33	83	11166	8.325 ug/L #	14
37) 1,2-Dichloropropane	6.33	63	5583	6.099 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1512	1.073 ug/L #	73
40) 4-Methyl-2-pentanone	7.39	43	852	0.579 ug/L #	47
44) trans-1,3-Dichloropropene	7.85	75	1151	0.863 ug/L	96
46) Tetrachloroethene	8.23	164	21679	36.196 ug/L	97
49) Dibromochloromethane	8.23	129	21138	23.594 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	5996	5.543 ug/L	95

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Quant Title : VOC Analysis
QLast Update : Tue Oct 23 08:01:28 2018
Response via : Initial Calibration

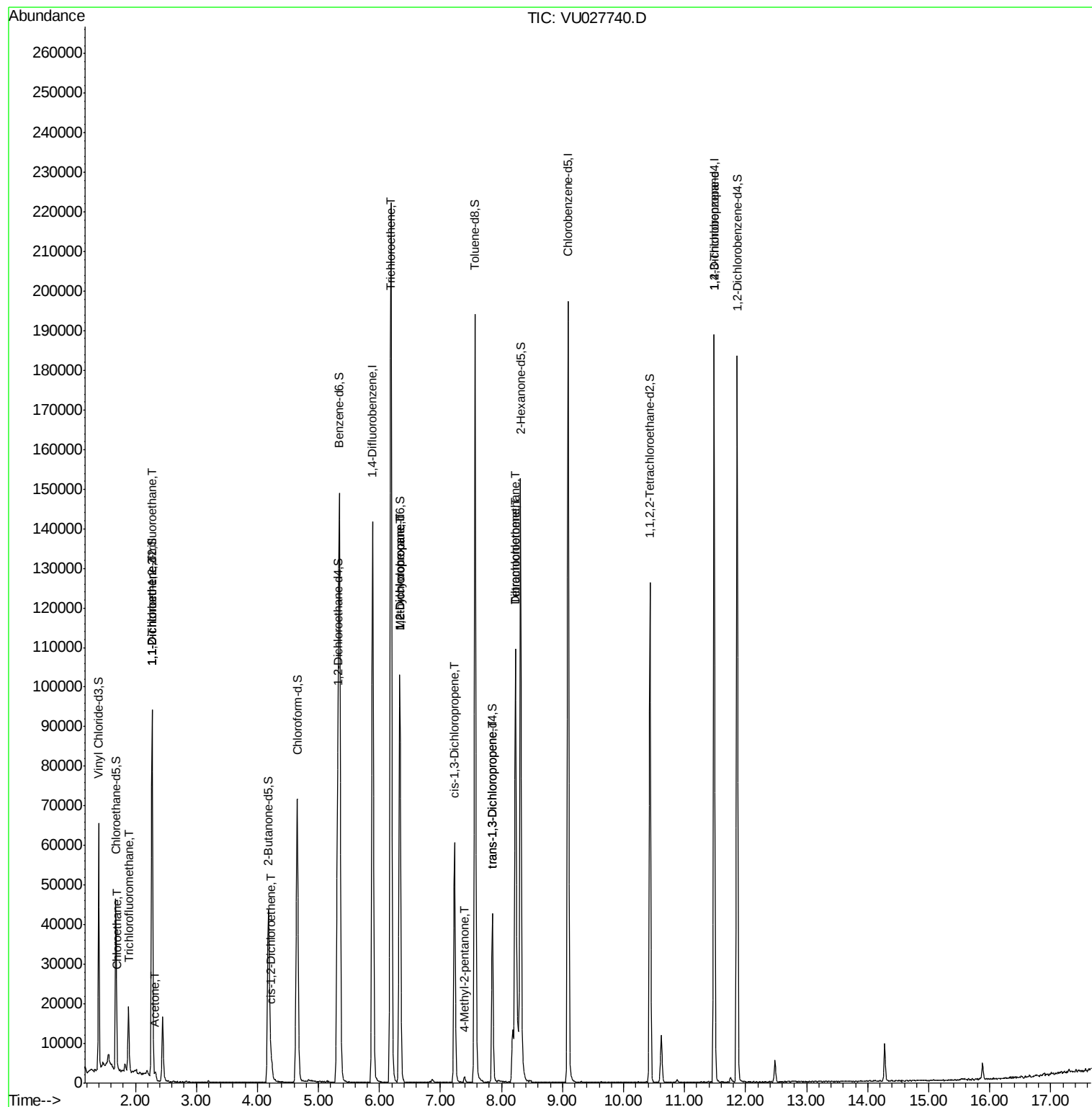
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

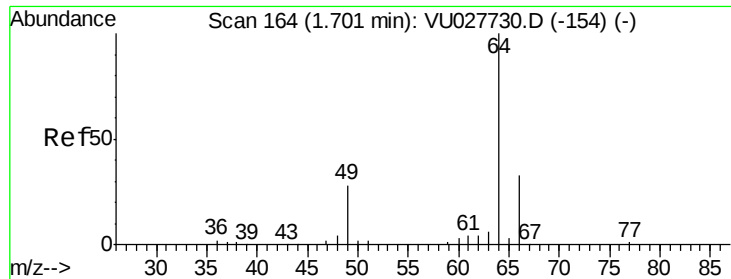
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#8

Chloroethane

Concen: 0.614 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027740.D

Acq: 22 Oct 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

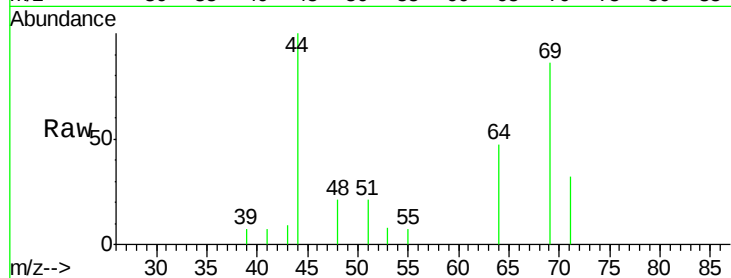
C0T26

Tgt Ion: 64 Resp: 343

Ion Ratio Lower Upper

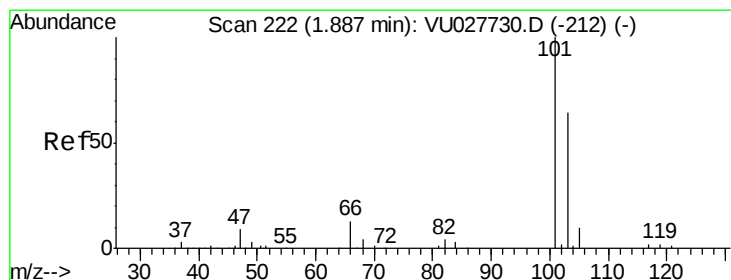
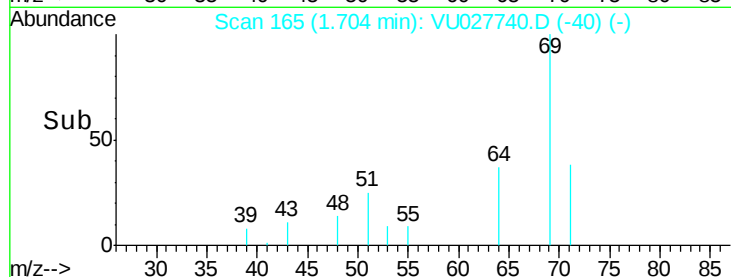
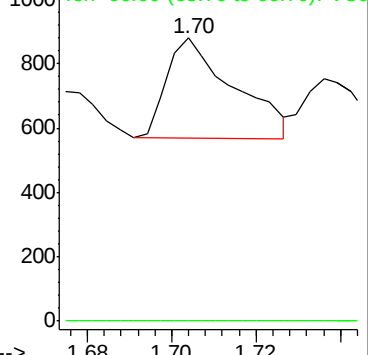
64 100

66 0.0 22.6 42.0#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 7.429 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027740.D

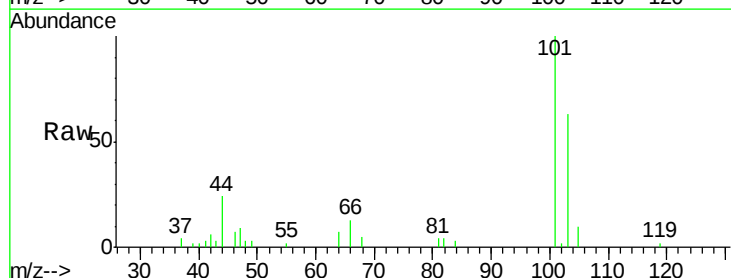
Acq: 22 Oct 2018 14:08

Tgt Ion: 101 Resp: 9261

Ion Ratio Lower Upper

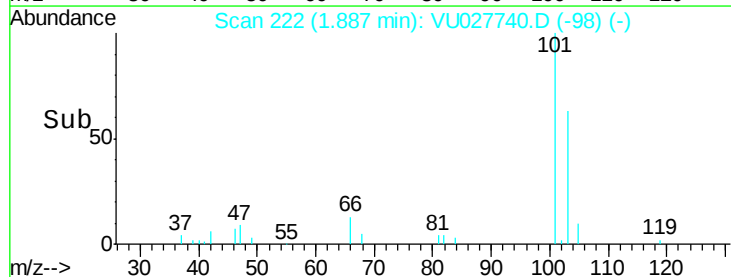
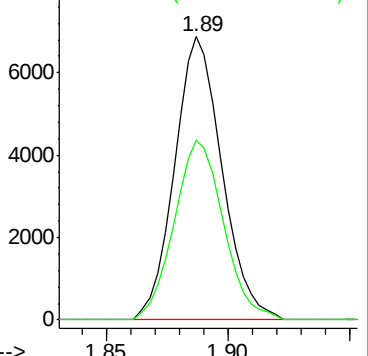
101 100

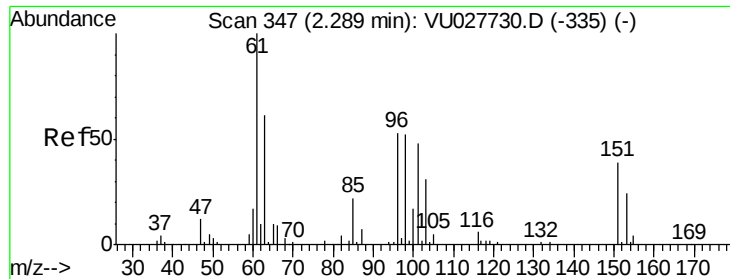
103 66.1 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.564 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU027740.D

Acq: 22 Oct 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

C0T26

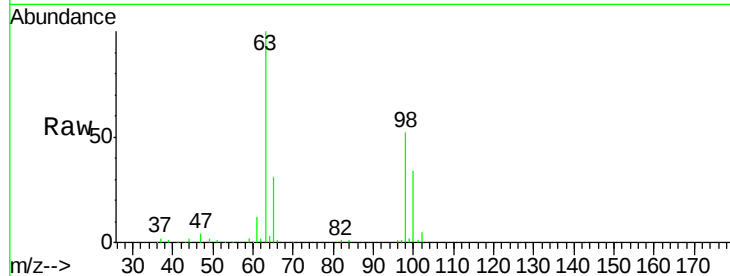
Tgt Ion:101 Resp: 385

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

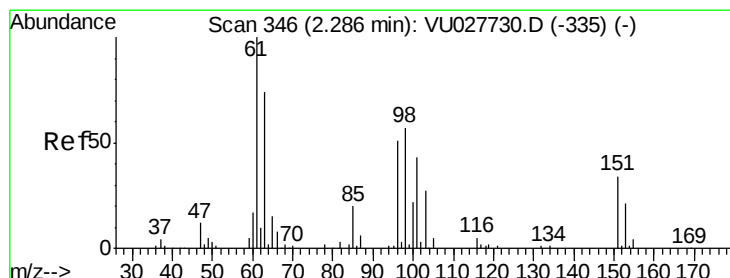
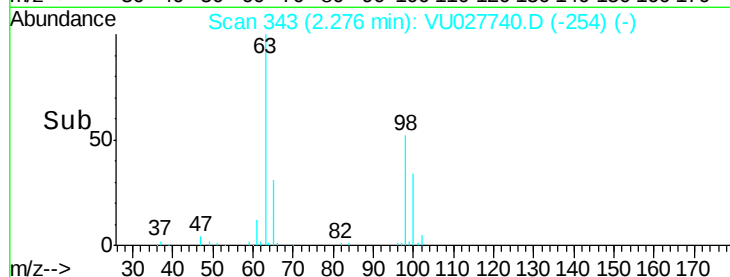
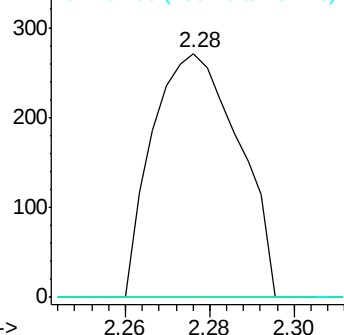
151 0.0 62.0 93.0#



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: 0.634 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU027740.D

Acq: 22 Oct 2018 14:08

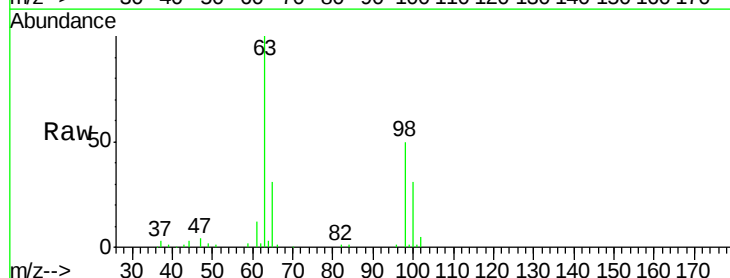
Tgt Ion: 96 Resp: 405

Ion Ratio Lower Upper

96 100

61 1396.6 137.3 255.1#

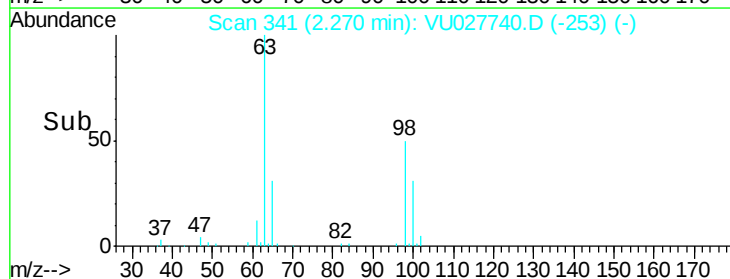
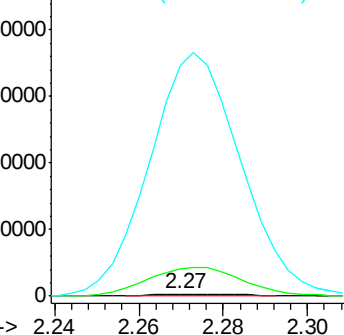
63 11895.5 109.8 204.0#

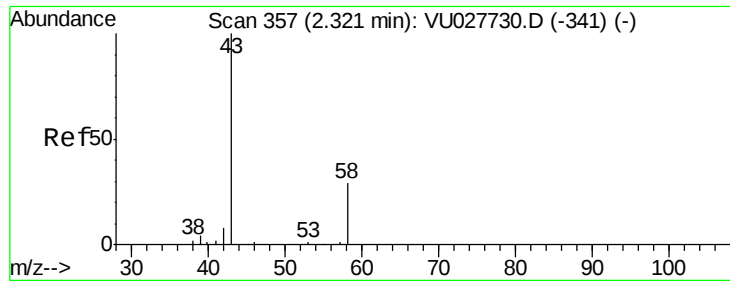


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.895 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027740.D

Acq: 22 Oct 2018 14:08

Instrument :

MSVOA_U

ClientSampled :

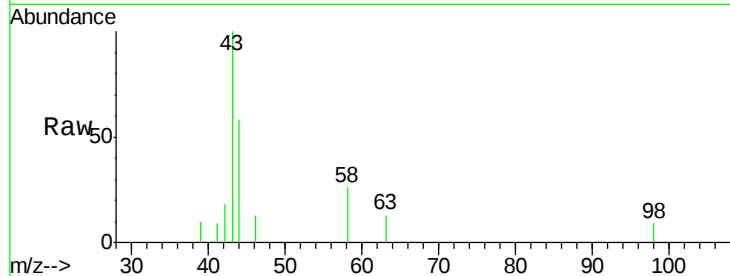
C0T26

Tgt Ion: 43 Resp: 2061

Ion Ratio Lower Upper

43 100

58 21.5 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

1200

1000

800

600

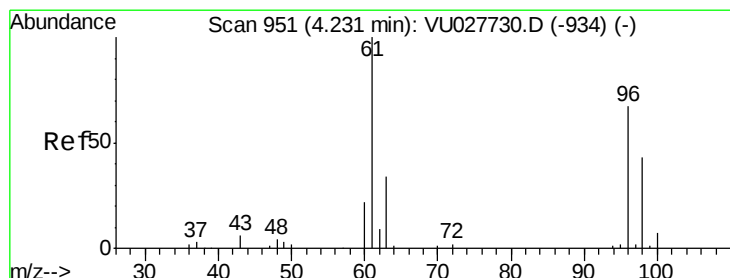
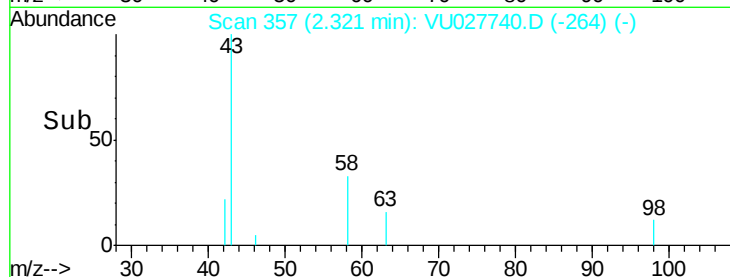
400

200

0

2.30 2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 1.977 ug/L

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027740.D

Acq: 22 Oct 2018 14:08

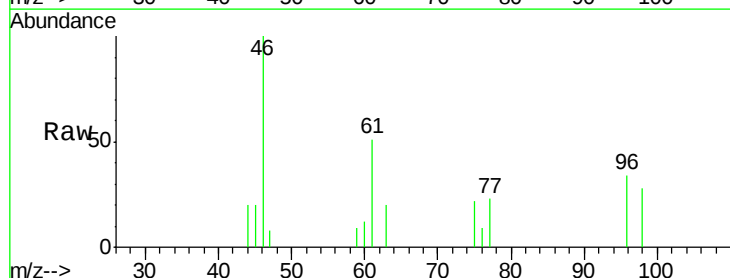
Tgt Ion: 96 Resp: 1652

Ion Ratio Lower Upper

96 100

61 150.7 104.2 193.4

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

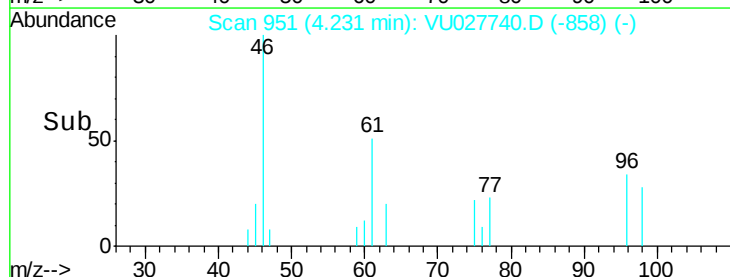
1000

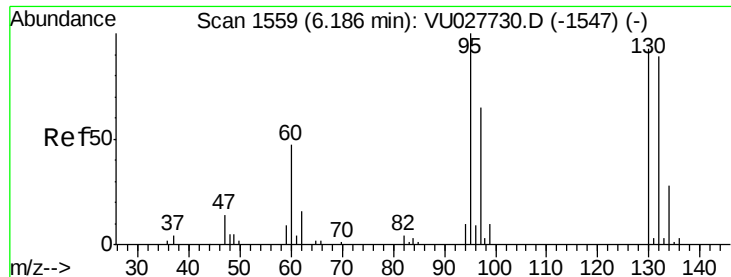
500

0

4.20 4.25

Time-->





#34

Trichloroethene

Concen: 101.755 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027740.D

Acq: 22 Oct 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

C0T26

Tgt Ion: 95 Resp: 78917

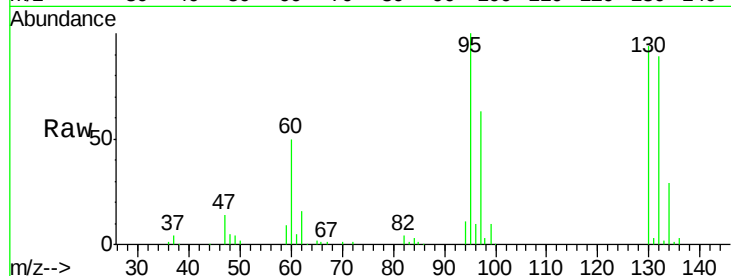
Ion Ratio Lower Upper

95 100

97 63.3 45.8 85.2

132 88.7 62.1 115.3

130 93.9 65.0 120.6

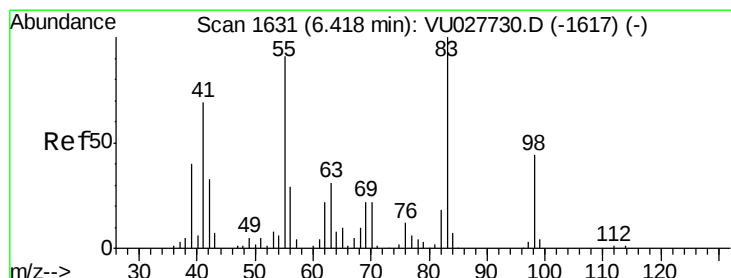
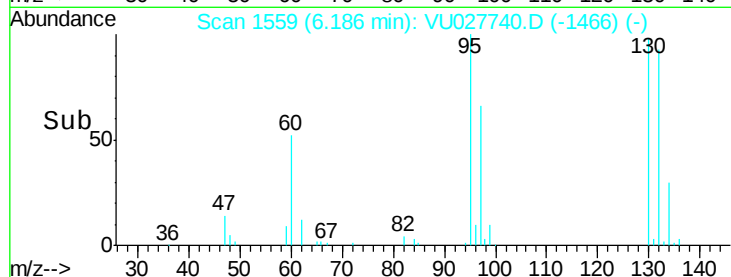
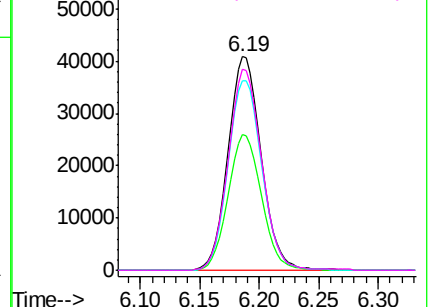


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 8.325 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU027740.D

Acq: 22 Oct 2018 14:08

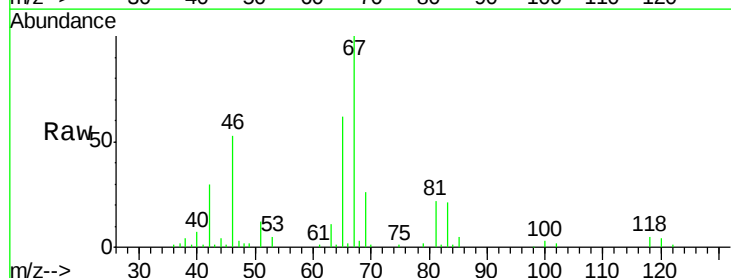
Tgt Ion: 83 Resp: 11166

Ion Ratio Lower Upper

83 100

55 0.0 71.9 107.9#

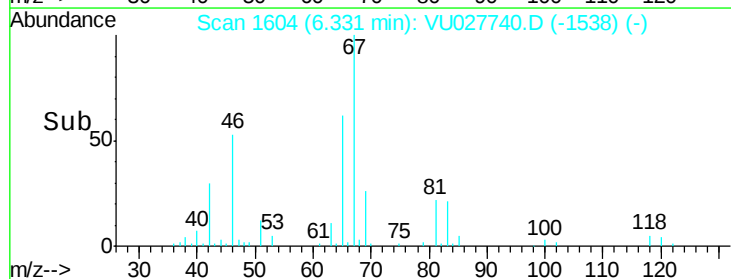
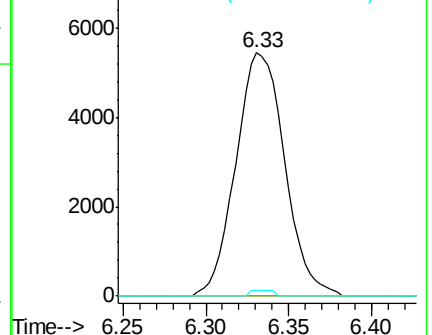
98 0.6 34.6 52.0#

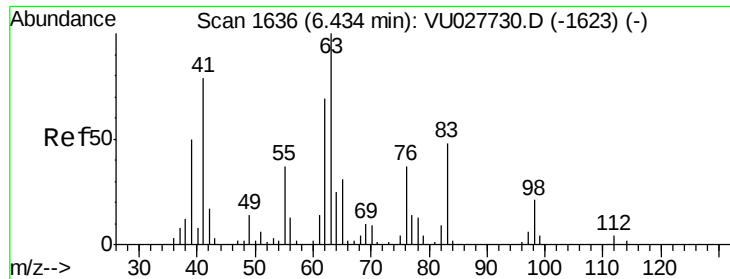


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

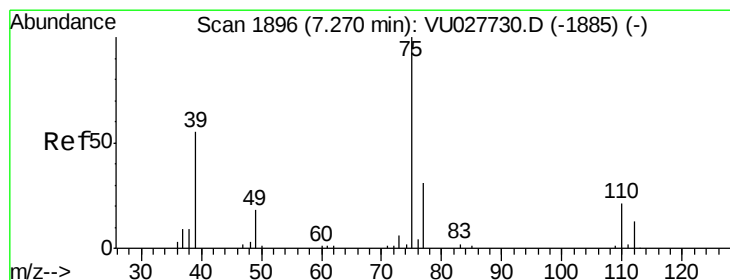
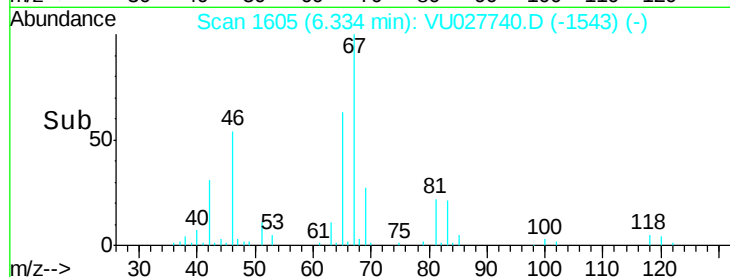
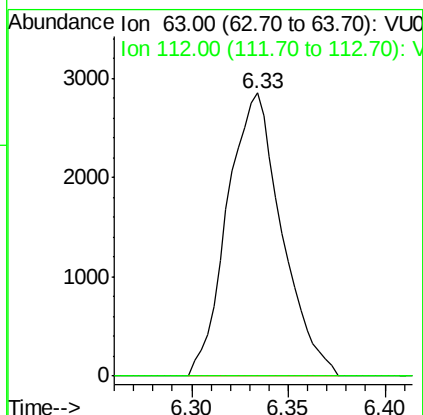
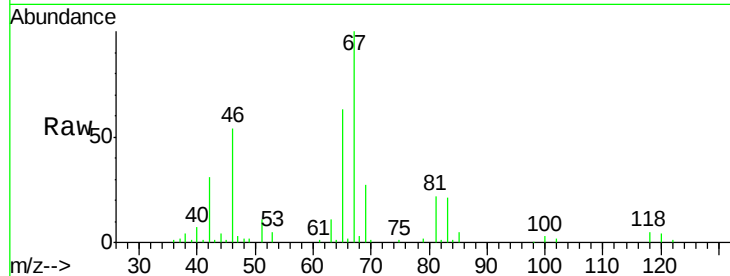




#37
 1,2-Dichloropropane
 Concen: 6.099 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU027740.D
 Acq: 22 Oct 2018 14:08

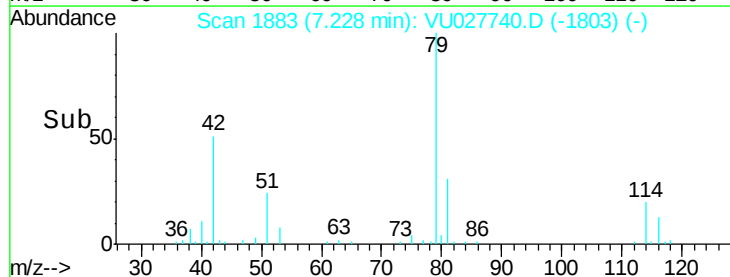
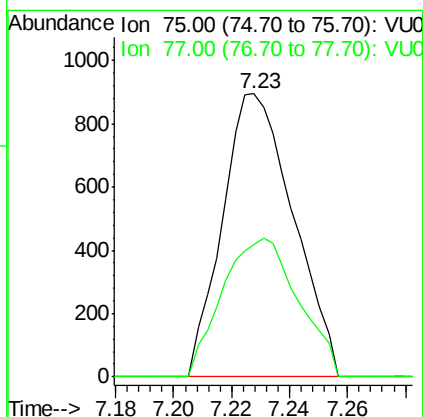
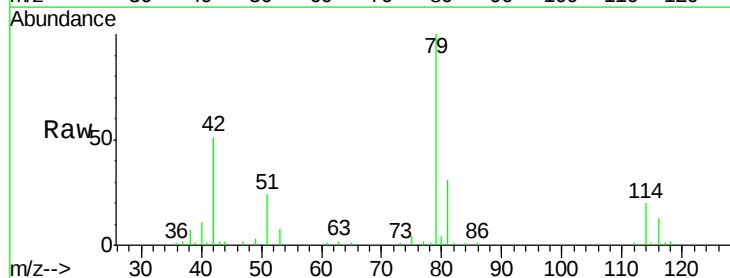
Instrument :
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 C0T26

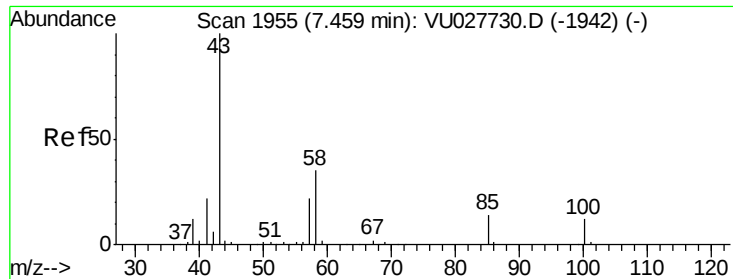
Tgt Ion: 63 Resp: 5583
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.073 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU027740.D
 Acq: 22 Oct 2018 14:08

Tgt Ion: 75 Resp: 1512
 Ion Ratio Lower Upper
 75 100
 77 46.9 22.5 41.7#

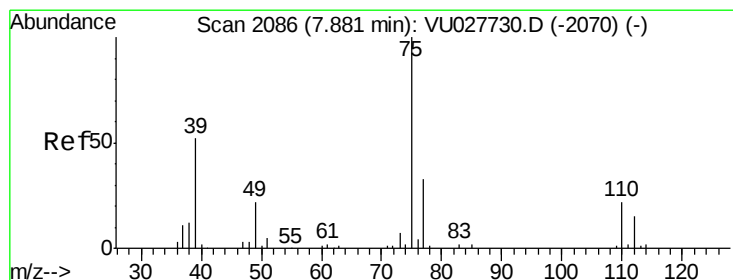
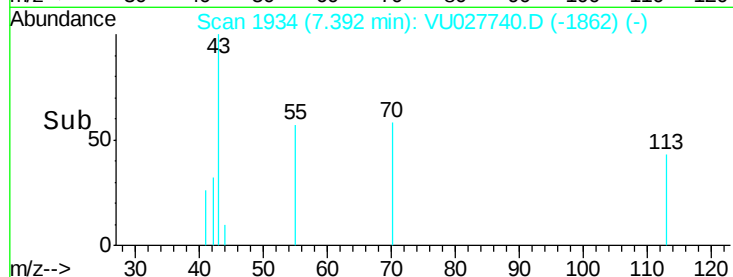
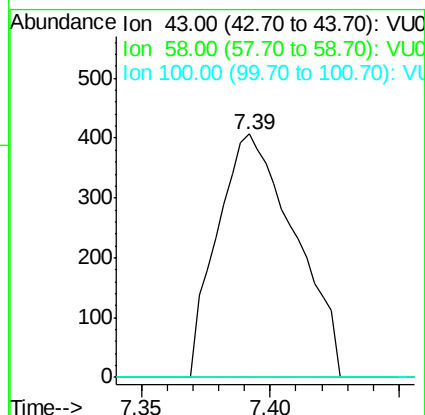
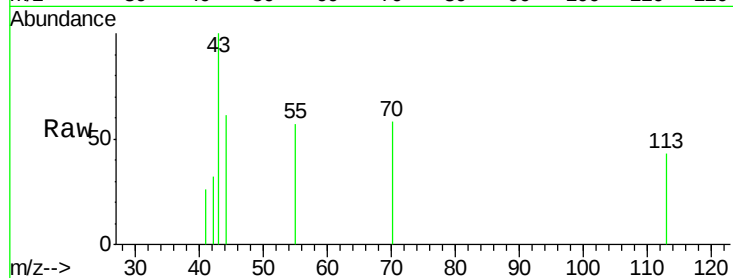




#40
 4-Methyl-2-pentanone
 Concen: 0.579 ug/L
 RT: 7.39 min Scan# 1934
 Delta R.T. -0.07 min
 Lab File: VU027740.D
 Acq: 22 Oct 2018 14:08

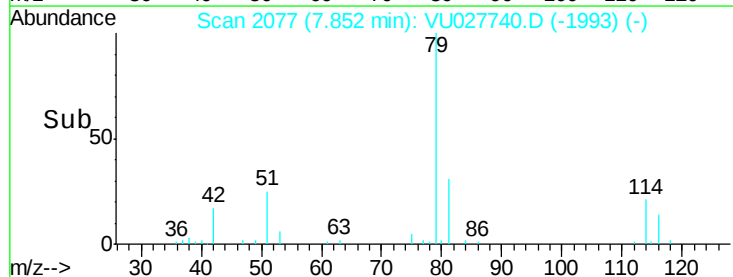
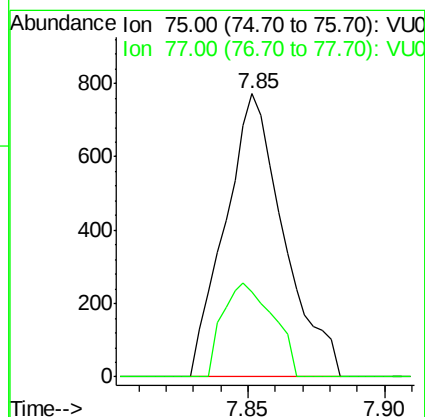
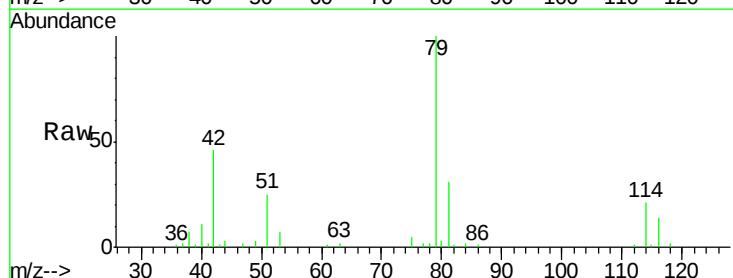
Instrument :
 MSVOA_U
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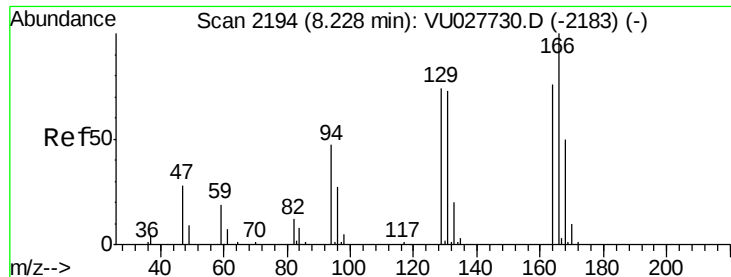
Tgt Ion: 43 Resp: 852
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.3 42.5#
 100 0.0 9.1 13.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.863 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU027740.D
 Acq: 22 Oct 2018 14:08

Tgt Ion: 75 Resp: 1151
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.8 42.4

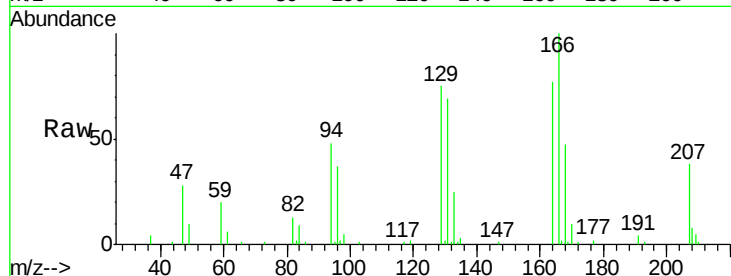




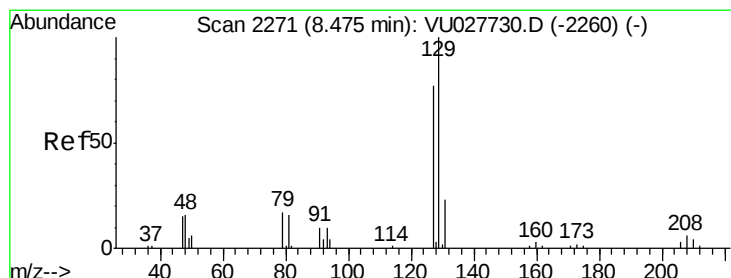
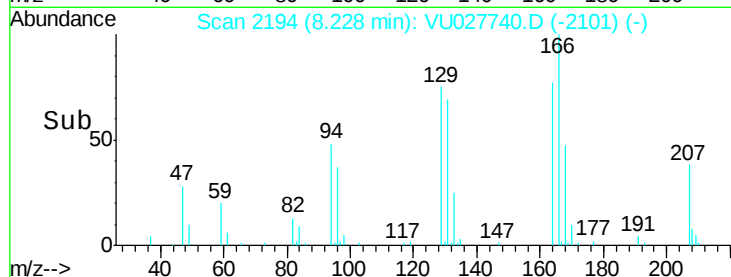
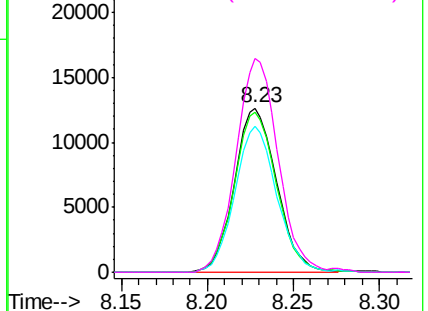
#46
Tetrachloroethene
Concen: 36.196 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027740.D
Acq: 22 Oct 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
C0T26

Tgt Ion:164 Resp: 21679
Ion Ratio Lower Upper
164 100
129 97.5 68.5 127.3
131 89.0 67.1 124.5
166 129.9 92.2 171.2

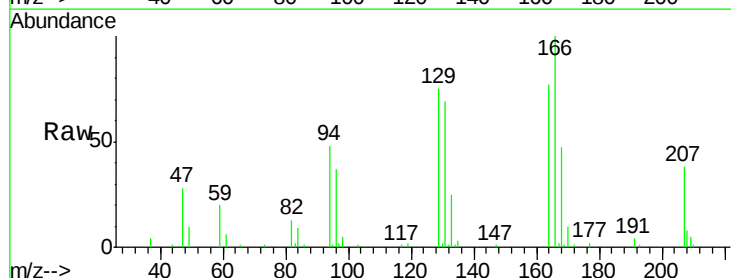


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

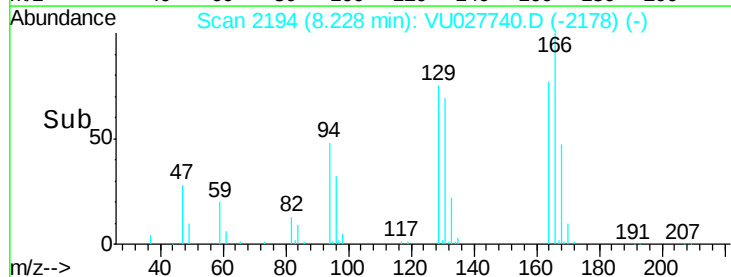
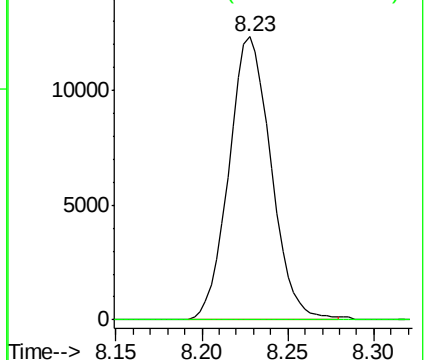


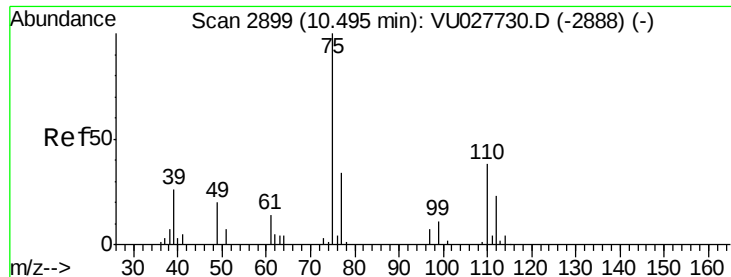
#49
Dibromochloromethane
Concen: 23.594 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU027740.D
Acq: 22 Oct 2018 14:08

Tgt Ion:129 Resp: 21138
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.543 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027740.D

Acq: 22 Oct 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

C0T26

Tgt Ion: 75 Resp: 5996

Ion Ratio Lower Upper

75 100

77 36.2 26.5 39.7

