

Data File : VU031617.D
Acq On : 30 Apr 2019 03:55
Operator : JC/SP
Sample : K2593-05 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XD7

Quant Time: Apr 30 04:55:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	627939	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	619054	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	233183	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	330231	62.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	125.68%
7) Chloroethane-d5	1.68	69	242261	59.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.30%
11) 1,1-Dichloroethene-d2	2.27	63	447872	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.58%
21) 2-Butanone-d5	4.18	46	562235	118.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.08%
24) Chloroform-d	4.64	84	509065	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.78%
26) 1,2-Dichloroethane-d4	5.31	65	359868	57.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.46%
32) Benzene-d6	5.34	84	999695	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.18%
36) 1,2-Dichloropropane-d6	6.33	67	363814	54.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.80%
41) Toluene-d8	7.56	98	818963	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%
43) trans-1,3-Dichloropropene-	7.85	79	136994	47.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.44%
47) 2-Hexanone-d5	8.31	63	321487	111.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	453842	50.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	245889	50.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.28%

Target Compounds

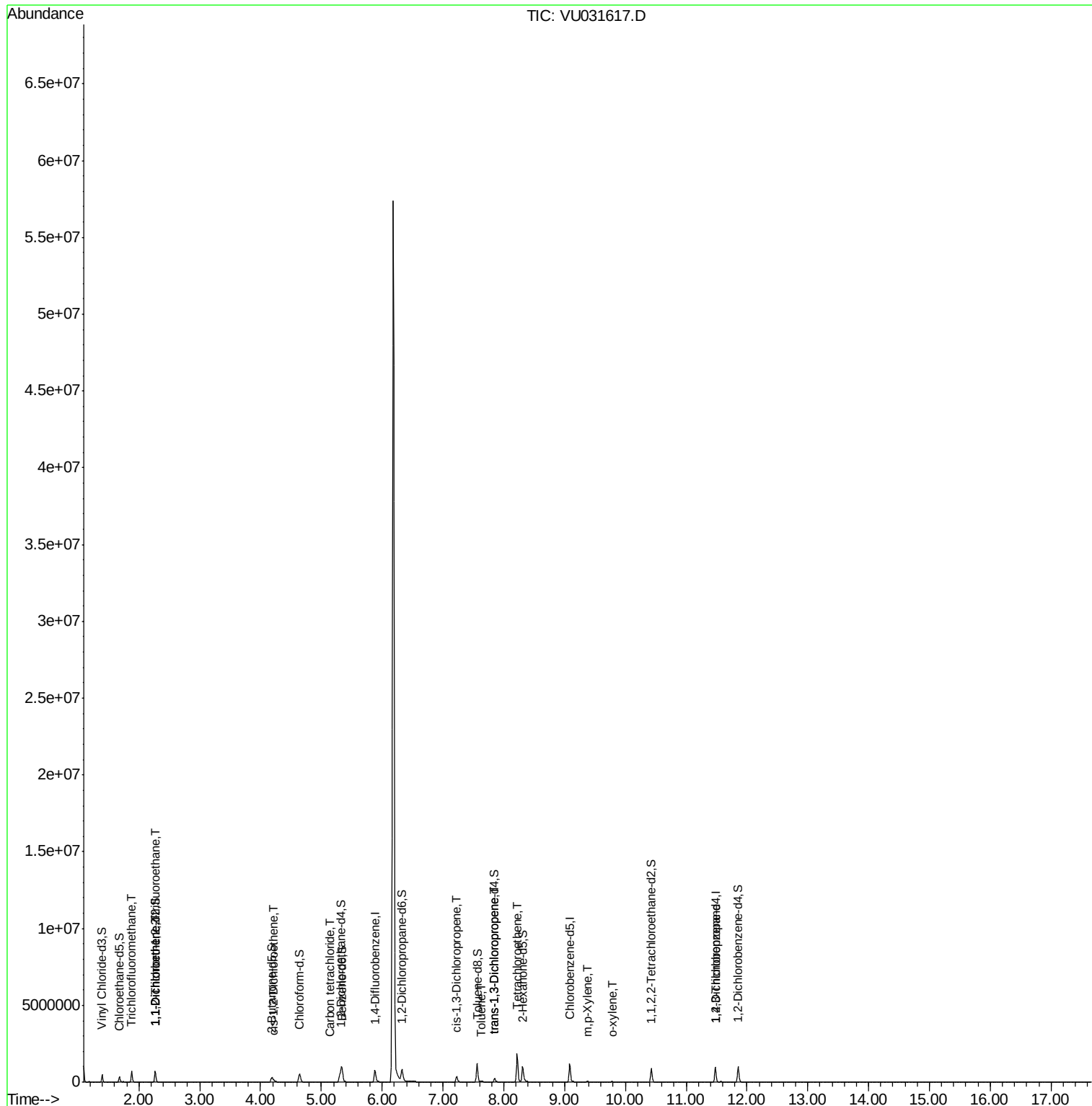
						Qvalue
9) Trichlorofluoromethane	1.88	101	408236	45.848	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3959	0.787	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	3101	0.633	ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	9368	1.711	ug/L	68
31) Carbon tetrachloride	5.13	117	12117	1.634	ug/L #	68
39) cis-1,3-Dichloropropene	7.22	75	7926	0.928	ug/L #	80
42) Toluene	7.64	91	29320	1.293	ug/L	86
44) trans-1,3-Dichloropropene	7.85	75	5725	0.739	ug/L #	81
46) Tetrachloroethene	8.22	164	395394	105.124	ug/L	97
53) m,p-Xylene	9.38	106	9213	1.124	ug/L	84
54) o-xylene	9.78	106	6768	0.833	ug/L	86
59) 1,2,3-Trichloropropane	11.48	75	32365	4.225	ug/L	94

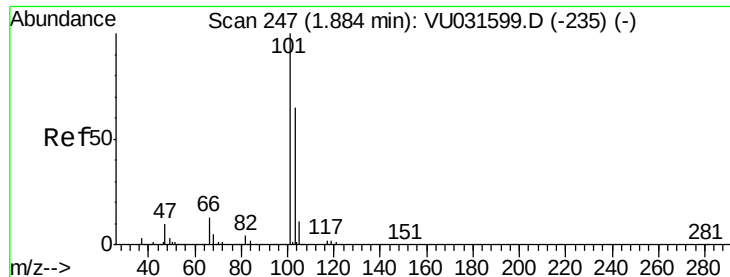
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 45.848 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

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Acq: 30 Apr 2019 03:55

Instrument :

MSVOA_U

ClientSampleId :

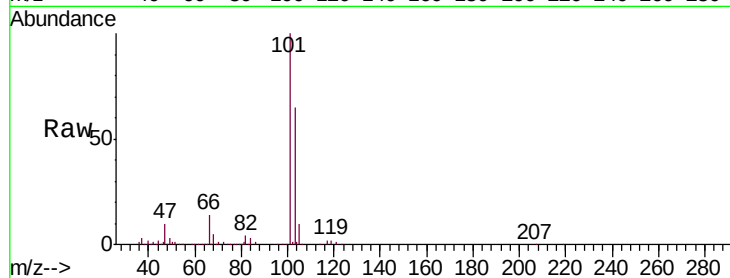
C0XD7

Tgt Ion:101 Resp: 408236

Ion Ratio Lower Upper

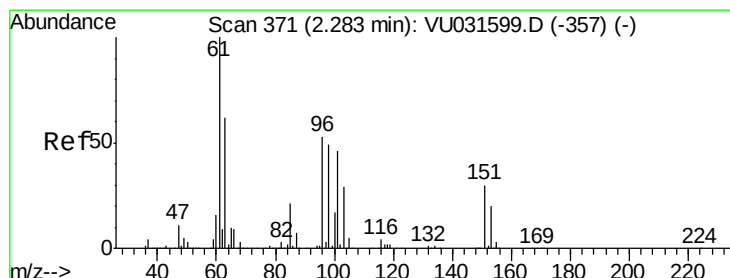
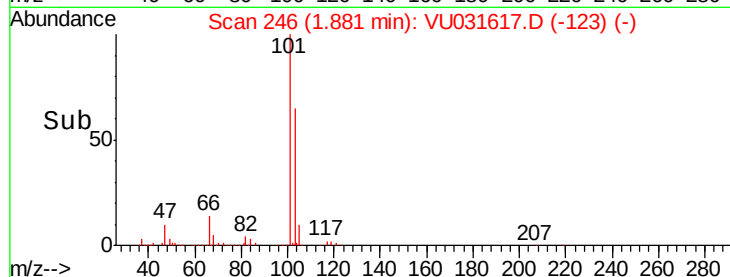
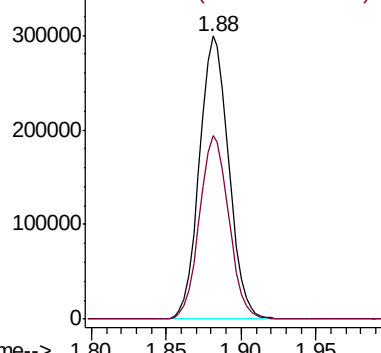
101 100

103 64.8 50.8 76.2



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: 0.787 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031617.D

Acq: 30 Apr 2019 03:55

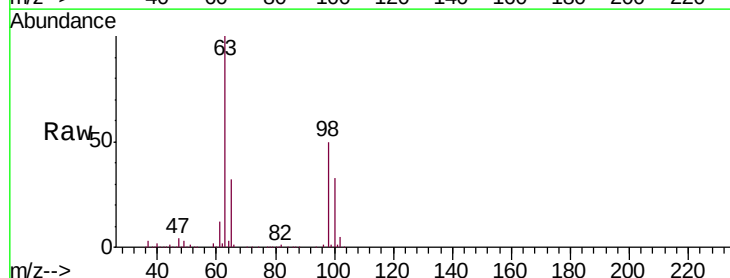
Tgt Ion:101 Resp: 3959

Ion Ratio Lower Upper

101 100

85 1.2 36.1 54.1#

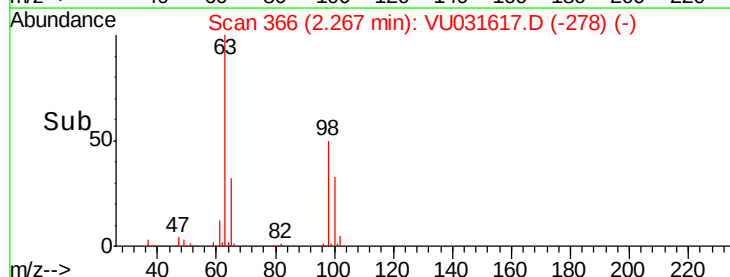
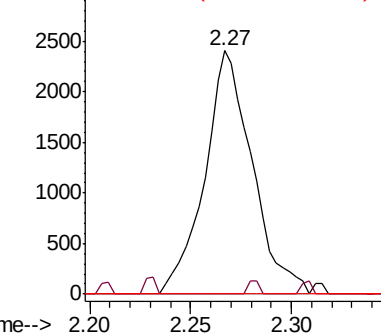
151 0.0 56.1 84.1#

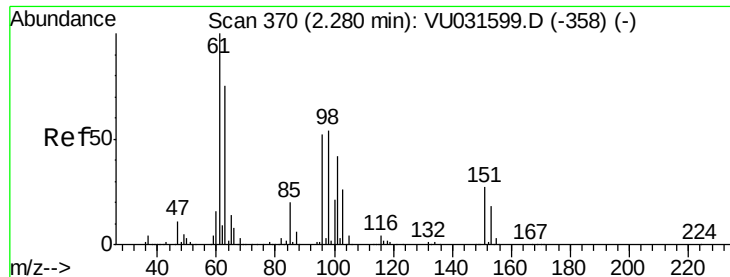


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

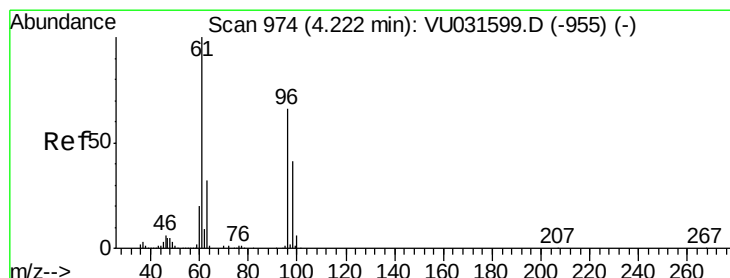
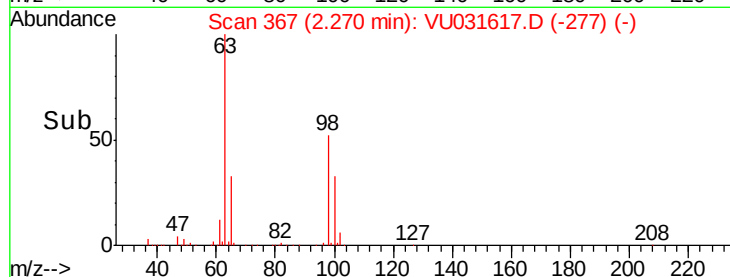
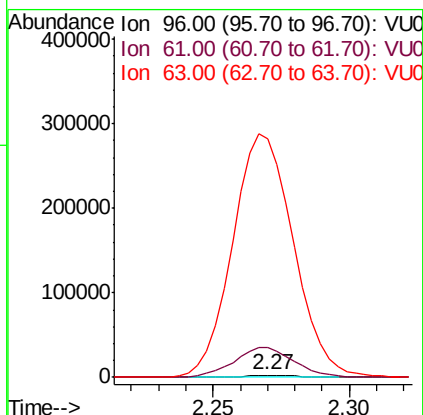
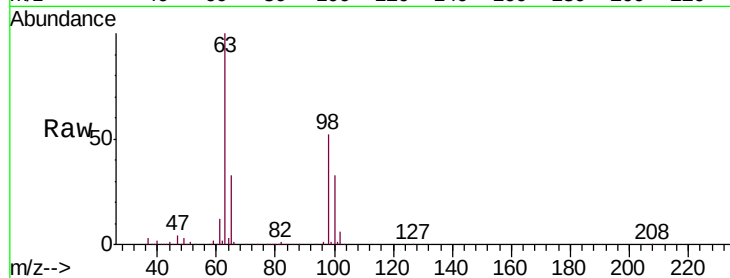




#12
 1,1-Dichloroethene
 Concen: 0.633 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031617.D
 Acq: 30 Apr 2019 03:55

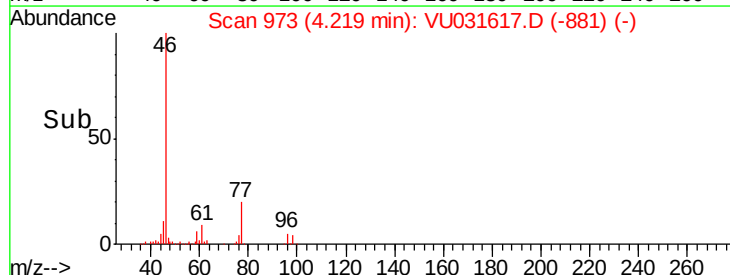
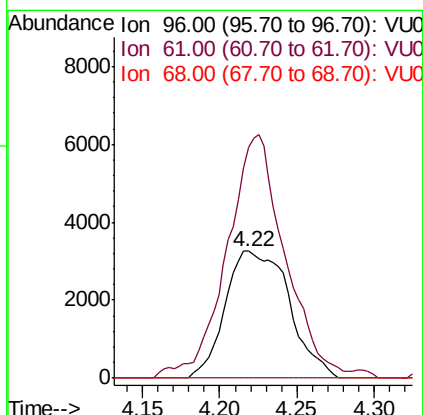
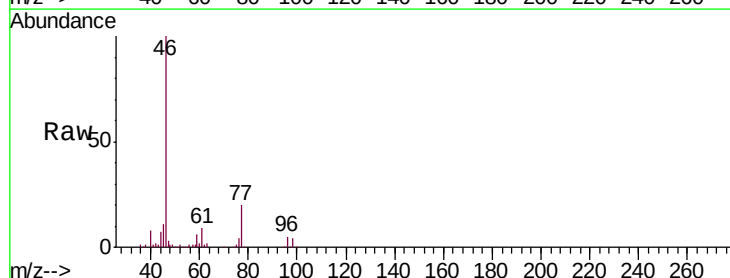
Instrument :
 MSVOA_U
 ClientSampleId :
 C0XD7

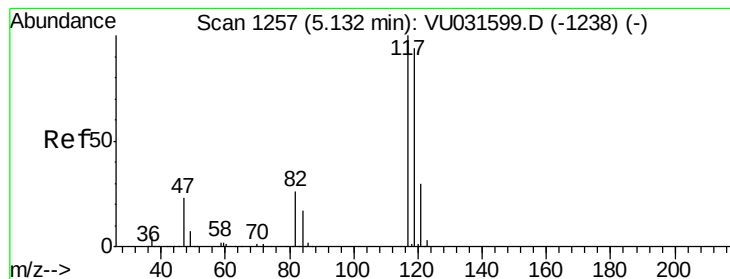
Tgt Ion: 96 Resp: 3101
 Ion Ratio Lower Upper
 96 100
 61 1777.6 135.0 250.6#
 63 14240.5 103.5 192.3#



#20
 cis-1,2-Dichloroethene
 Concen: 1.711 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031617.D
 Acq: 30 Apr 2019 03:55

Tgt Ion: 96 Resp: 9368
 Ion Ratio Lower Upper
 96 100
 61 181.9 99.5 184.7
 68 0.0 0.0 0.0





#31

Carbon tetrachloride

Concen: 1.634 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU031617.D

Acq: 30 Apr 2019 03:55

Instrument :

MSVOA_U

ClientSampleId :

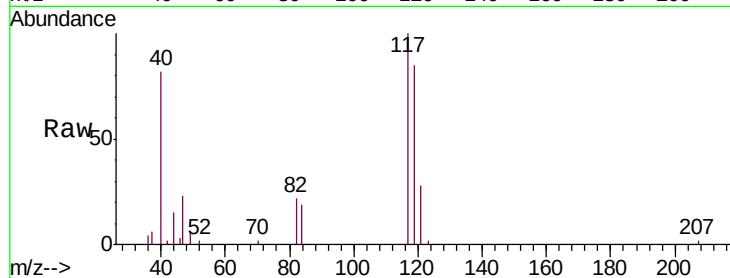
C0XD7

Tgt Ion:117 Resp: 12117

Ion Ratio Lower Upper

117 100

119 64.9 76.6 114.8#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.13

6000

5000

4000

3000

2000

1000

0

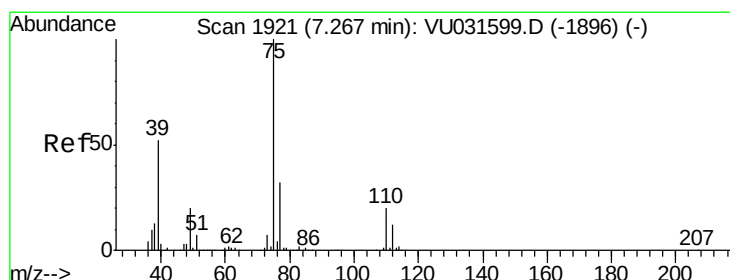
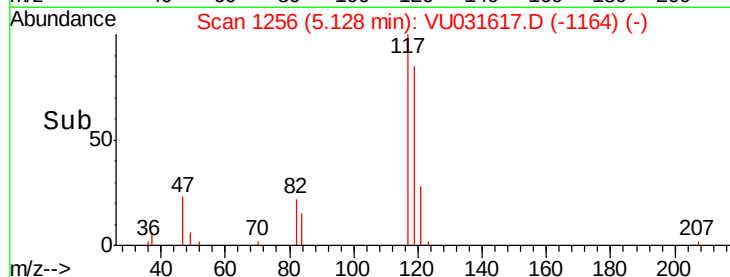
Time-->

5.05

5.10

5.15

5.20



#39

cis-1,3-Dichloropropene

Concen: 0.928 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031617.D

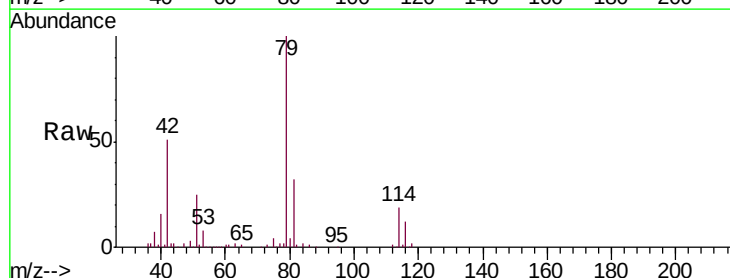
Acq: 30 Apr 2019 03:55

Tgt Ion: 75 Resp: 7926

Ion Ratio Lower Upper

75 100

77 42.8 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.22

5000

4000

3000

2000

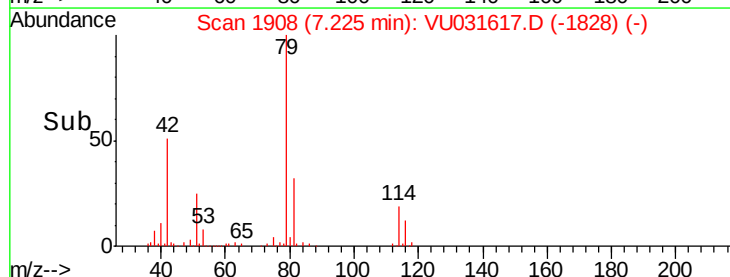
1000

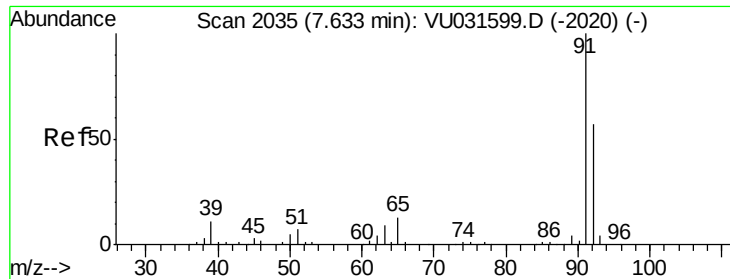
0

Time-->

7.20

7.25





#42

Toluene

Concen: 1.293 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031617.D

Acq: 30 Apr 2019 03:55

Instrument :

MSVOA_U

ClientSampleId :

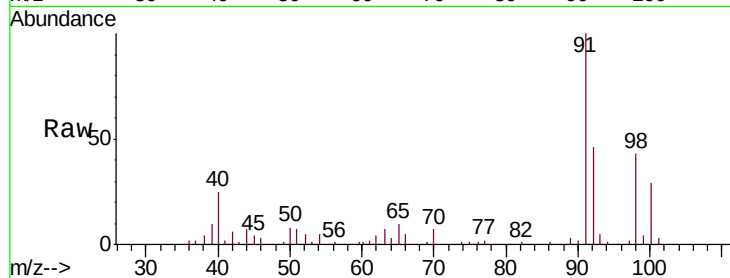
C0XD7

Tgt Ion: 91 Resp: 29320

Ion Ratio Lower Upper

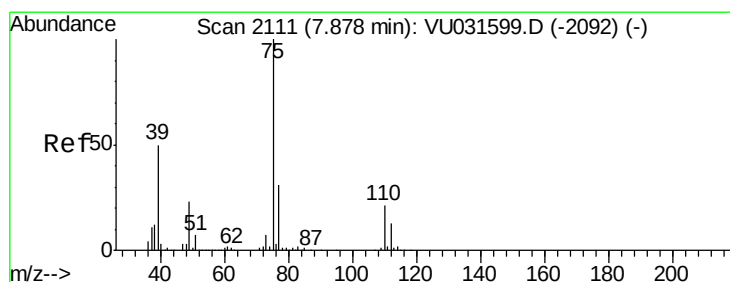
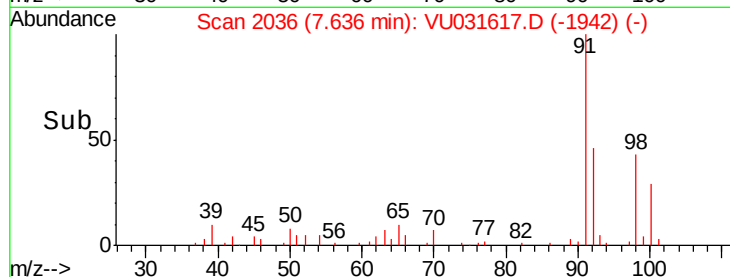
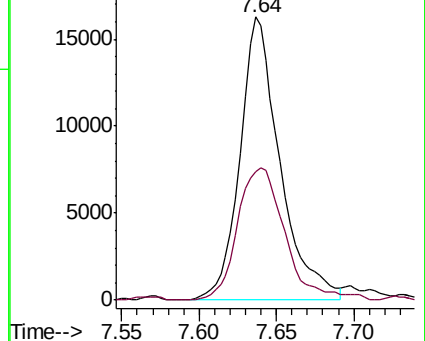
91 100

92 45.5 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.739 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031617.D

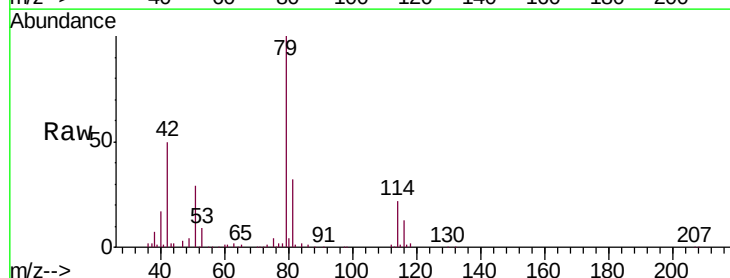
Acq: 30 Apr 2019 03:55

Tgt Ion: 75 Resp: 5725

Ion Ratio Lower Upper

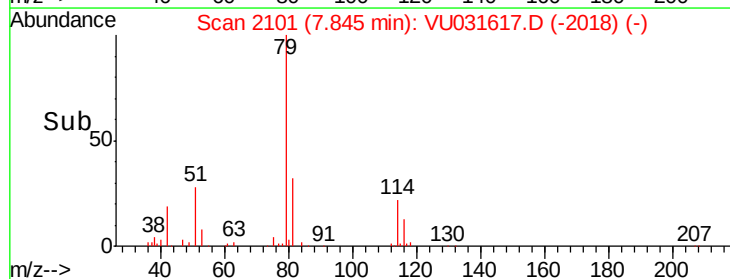
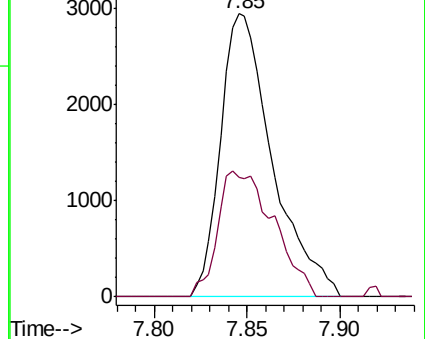
75 100

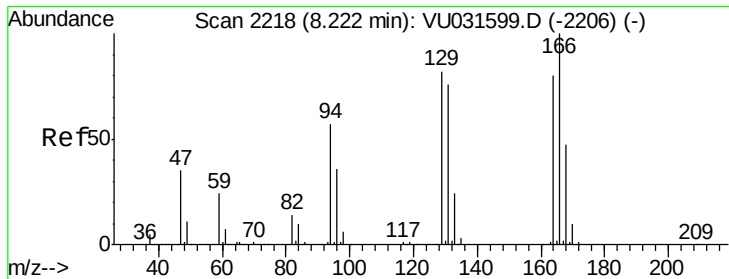
77 42.3 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

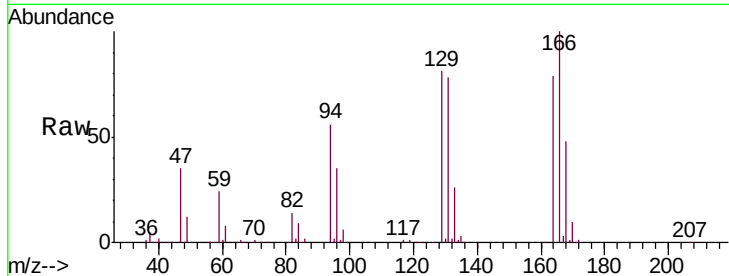




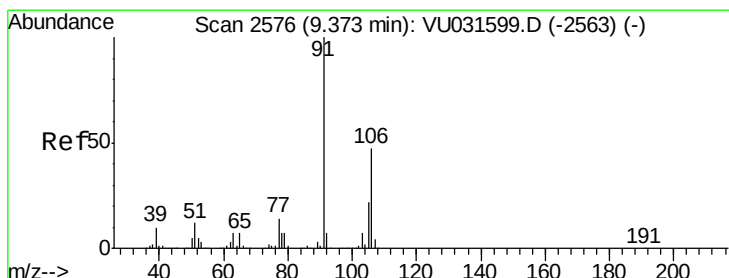
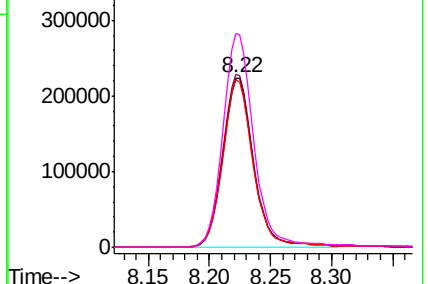
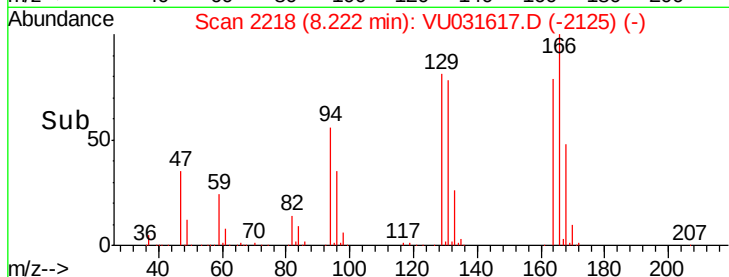
#46
Tetrachloroethene
Concen: 105.124 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031617.D
Acq: 30 Apr 2019 03:55

Instrument :
MSVOA_U
ClientSampleId :
C0XD7

Tgt Ion:164 Resp: 395394
Ion Ratio Lower Upper
164 100
129 101.9 71.5 132.9
131 98.9 69.0 128.2
166 126.2 93.7 173.9

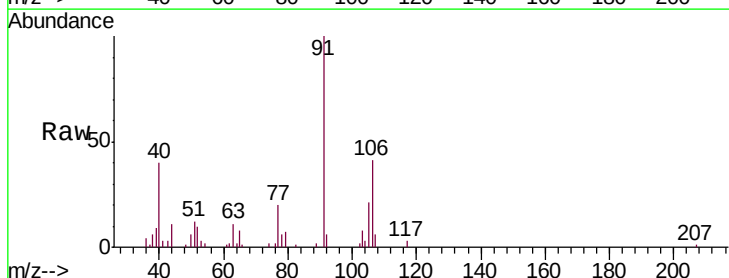


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

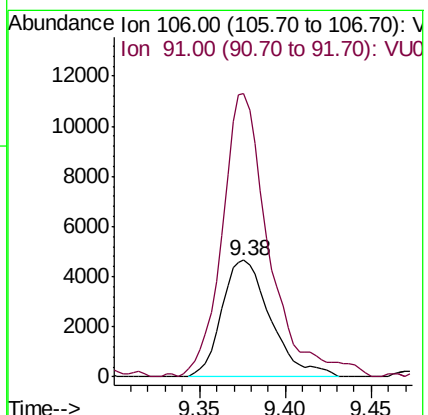
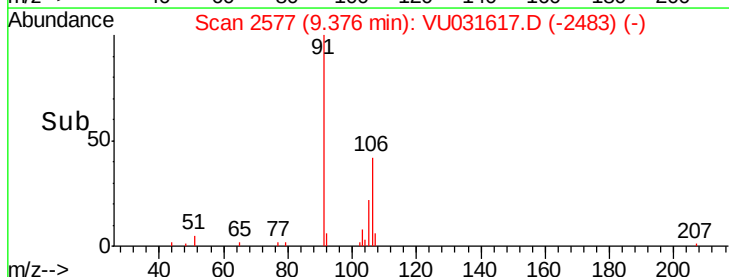


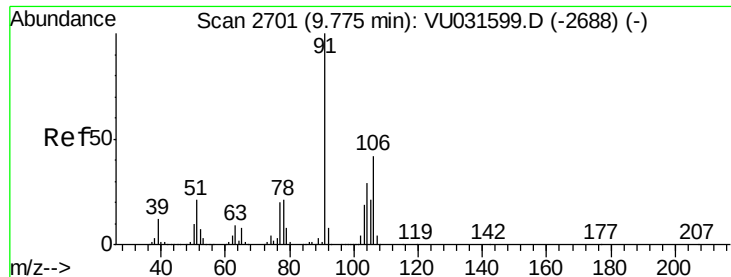
#53
m,p-Xylene
Concen: 1.124 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU031617.D
Acq: 30 Apr 2019 03:55

Tgt Ion:106 Resp: 9213
Ion Ratio Lower Upper
106 100
91 243.0 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#54

o-xylene

Concen: 0.833 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. 0.01 min

Lab File: VU031617.D

Acq: 30 Apr 2019 03:55

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ClientSampleId :

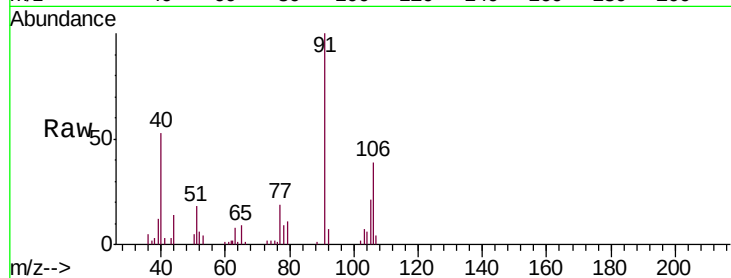
C0XD7

Tgt Ion:106 Resp: 6768

Ion Ratio Lower Upper

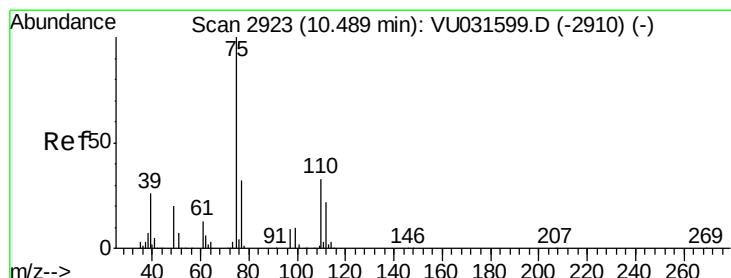
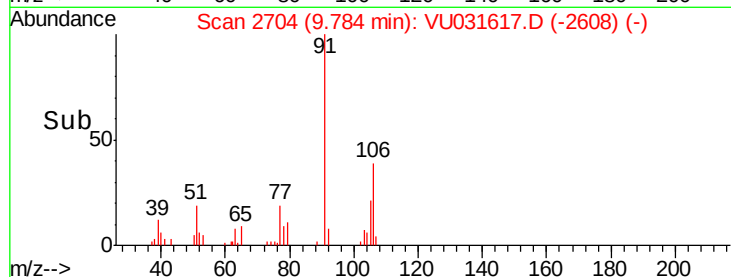
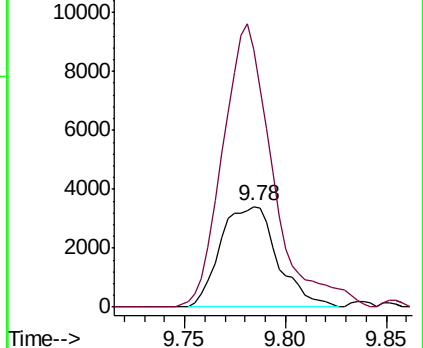
106 100

91 256.1 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#59

1,2,3-Trichloropropane

Concen: 4.225 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031617.D

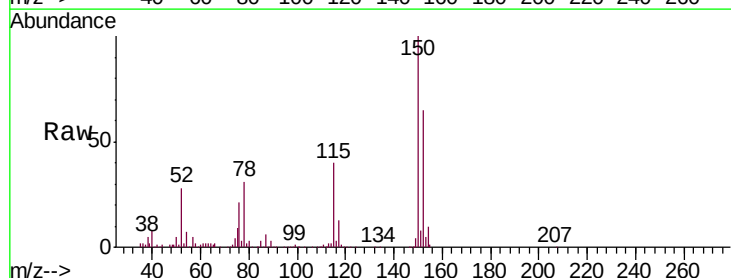
Acq: 30 Apr 2019 03:55

Tgt Ion: 75 Resp: 32365

Ion Ratio Lower Upper

75 100

77 35.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

