

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
 Data File : VU030021.D
 Acq On : 13 Mar 2019 11:18
 Operator : JC/SP
 Sample : K1763-06 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0961

Quant Time: Mar 14 01:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 01:36:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	475753	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	462720	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	217724	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	147231	46.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.58%
7) Chloroethane-d5	1.68	69	125346	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.68%
11) 1,1-Dichloroethene-d2	2.37	63	471	0.08	ug/L	0.10
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.16%#
21) 2-Butanone-d5	4.17	46	226734	96.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.17%
24) Chloroform-d	4.65	84	271999	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.38%
26) 1,2-Dichloroethane-d4	5.31	65	164671	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.00%
32) Benzene-d6	5.34	84	599415	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.64%
36) 1,2-Dichloropropane-d6	6.33	67	183882	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.88%
41) Toluene-d8	7.56	98	542545	48.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.28%
43) trans-1,3-Dichloropropene-	7.85	79	84266	47.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.44%
47) 2-Hexanone-d5	8.31	63	198867	97.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	269732	48.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	215391	51.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.14%

Target Compounds

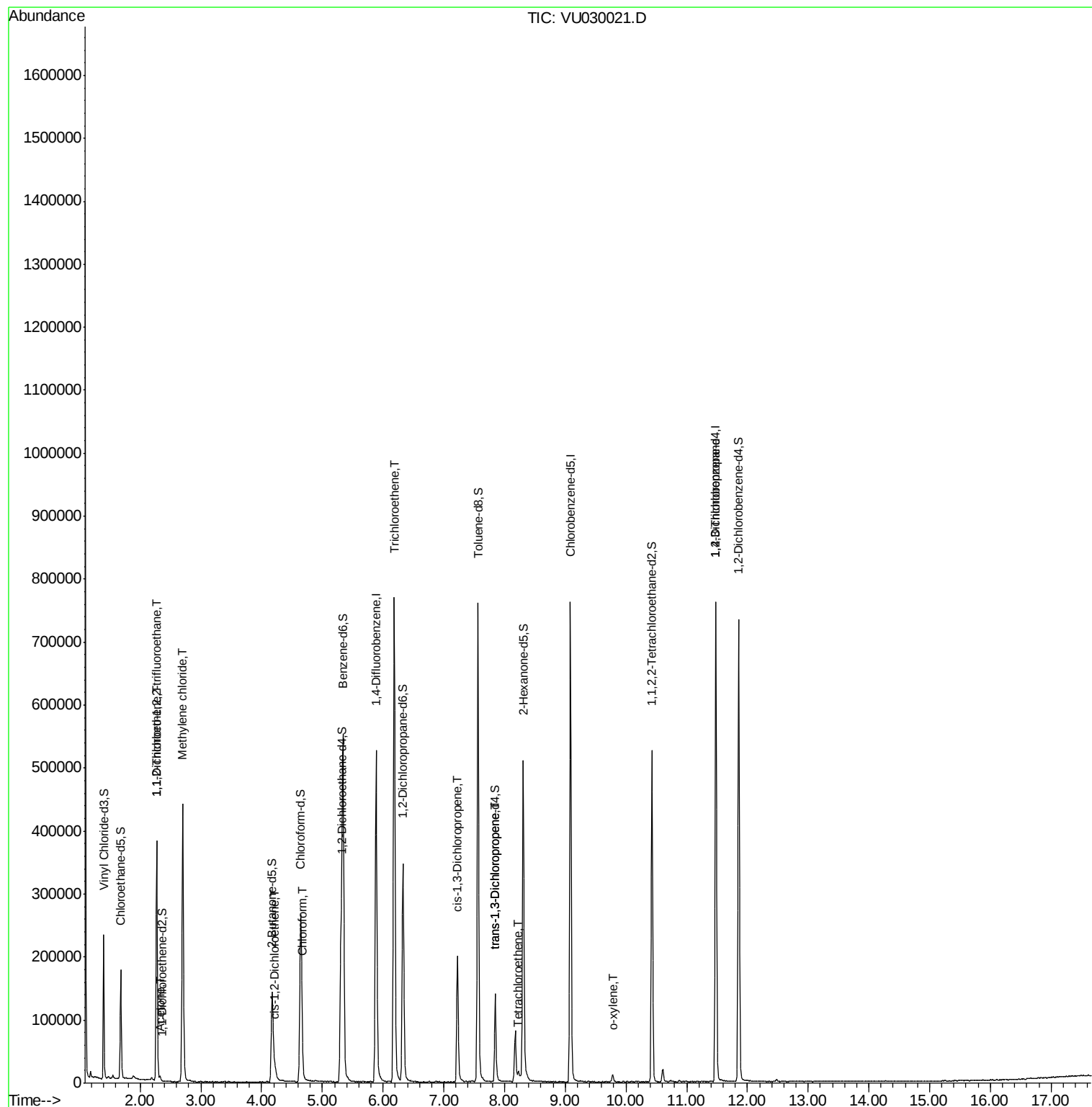
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2222	0.711	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	4297	1.441	ug/L #	1
13) Acetone	2.32	43	4861	1.763	ug/L	99
16) Methylene chloride	2.70	84	212229	60.274	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	6891	1.864	ug/L	86
25) Chloroform	4.68	83	12587	2.151	ug/L	95
34) Trichloroethene	6.18	95	277820	80.057	ug/L	99
39) cis-1,3-Dichloropropene	7.22	75	4580	0.845	ug/L #	56
44) trans-1,3-Dichloropropene	7.85	75	3159	0.638	ug/L	94
46) Tetrachloroethene	8.22	164	2479	0.816	ug/L	91
54) o-xylene	9.78	106	3705	0.615	ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	22675	4.999	ug/L	91

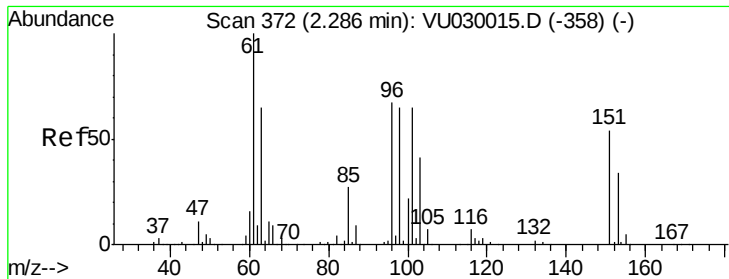
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.711 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030021.D

Acq: 13 Mar 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

C0961

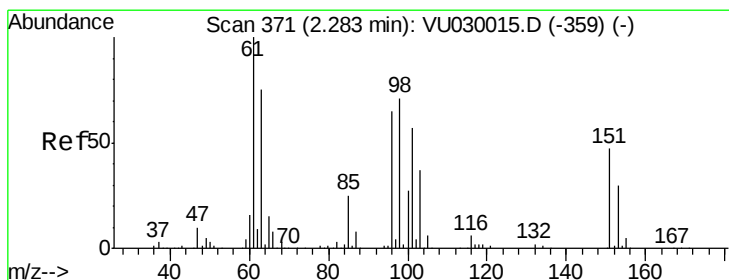
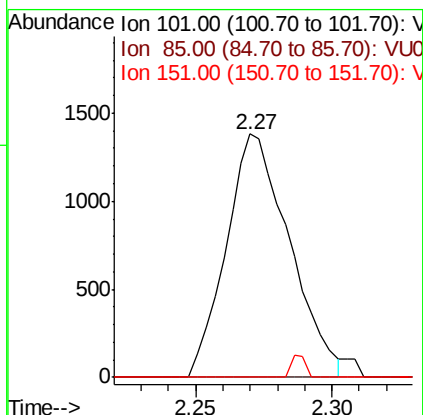
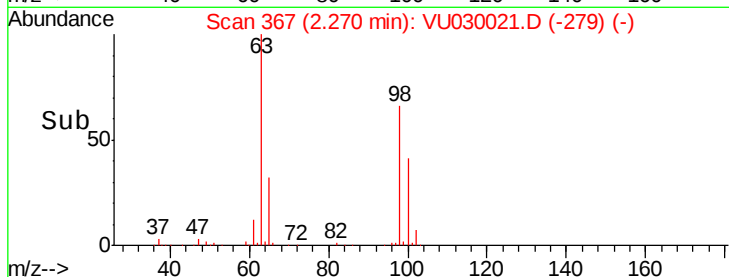
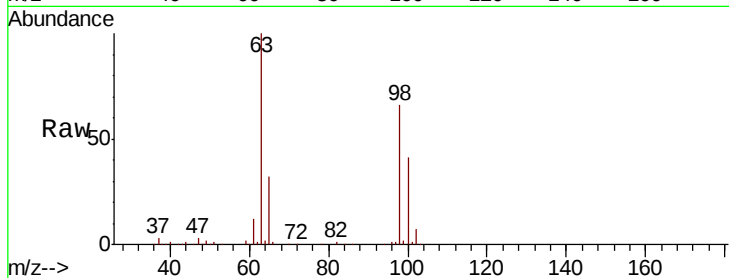
Tgt Ion: 101 Resp: 2222

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

151 2.1 66.1 99.1#



#12

1,1-Dichloroethene

Concen: 1.441 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030021.D

Acq: 13 Mar 2019 11:18

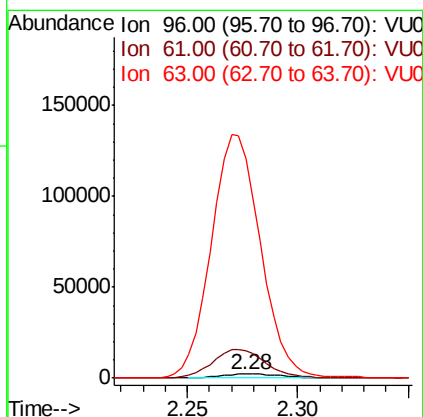
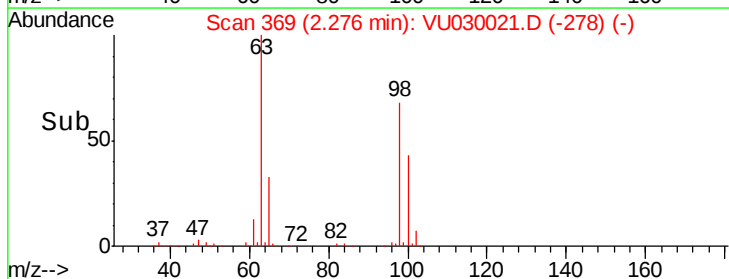
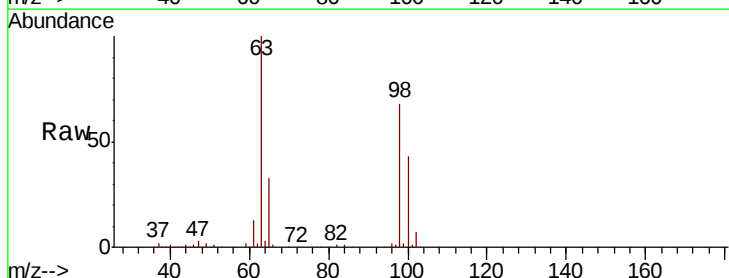
Tgt Ion: 96 Resp: 4297

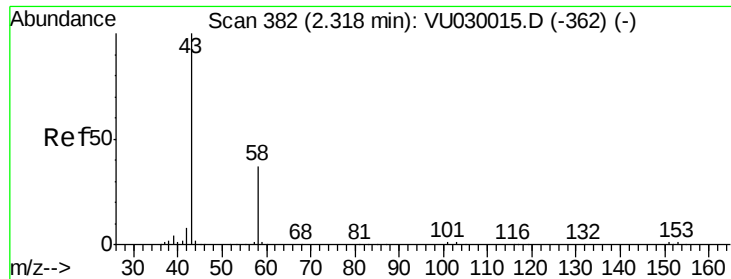
Ion Ratio Lower Upper

96 100

61 661.2 110.4 205.0#

63 5267.4 86.5 160.7#





#13

Acetone

Concen: 1.763 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030021.D

Acq: 13 Mar 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

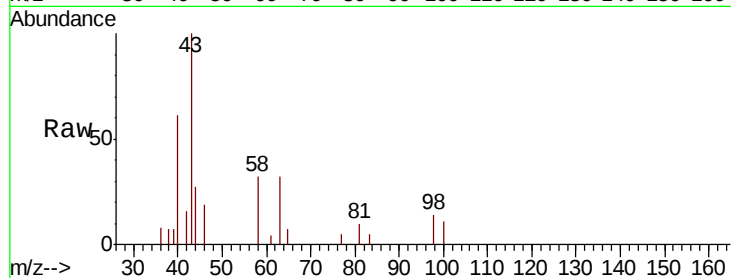
C0961

Tgt Ion: 43 Resp: 4861

Ion Ratio Lower Upper

43 100

58 36.1 0.0 73.0

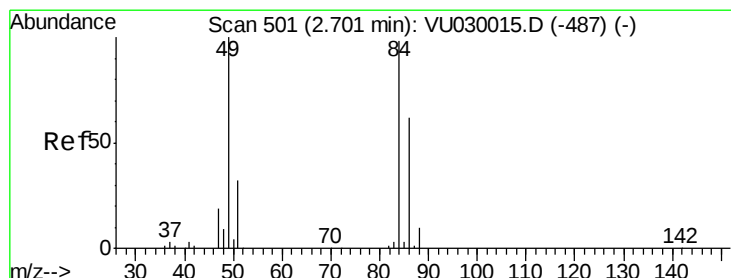
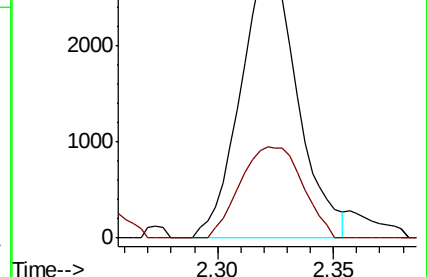
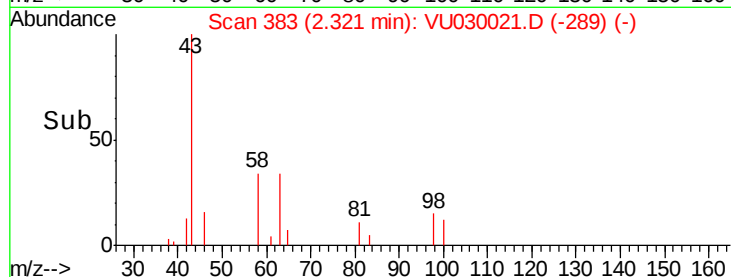


Abundance Ion 43.00 (42.70 to 43.70): VU030015.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030015.D (-362) (-)

2.32

2.30 2.35



#16

Methylene chloride

Concen: 60.274 ug/L

RT: 2.70 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU030021.D

Acq: 13 Mar 2019 11:18

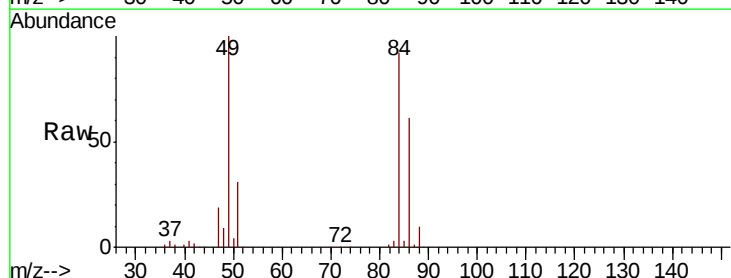
Tgt Ion: 84 Resp: 212229

Ion Ratio Lower Upper

84 100

86 65.7 45.2 84.0

49 108.4 73.6 136.6



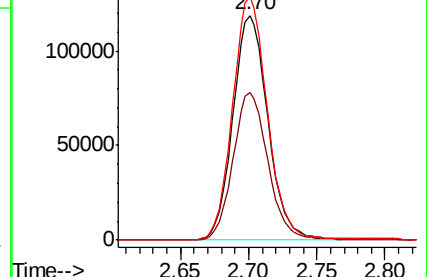
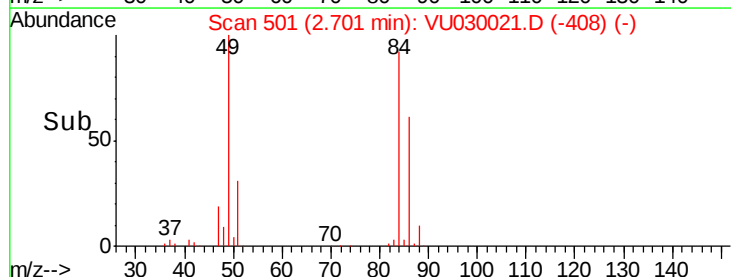
Abundance Ion 84.00 (83.70 to 84.70): VU030015.D (-487) (-)

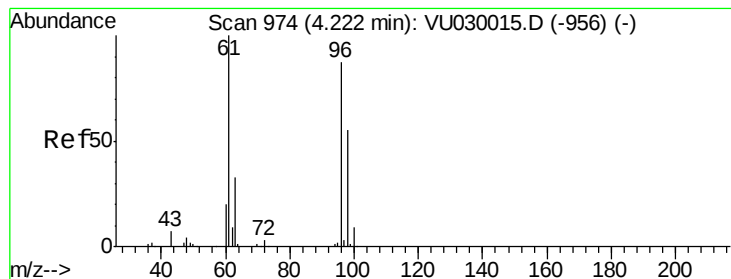
Ion 86.00 (85.70 to 86.70): VU030015.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU030015.D (-487) (-)

2.70

2.65 2.75 2.80



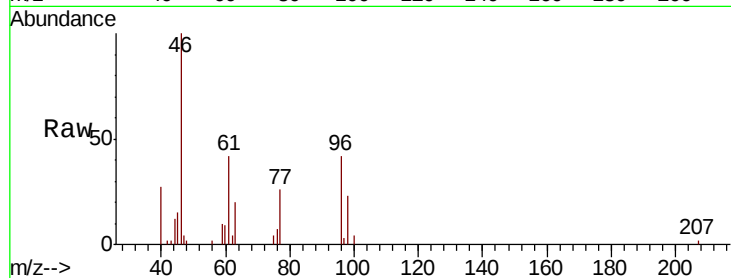


#20

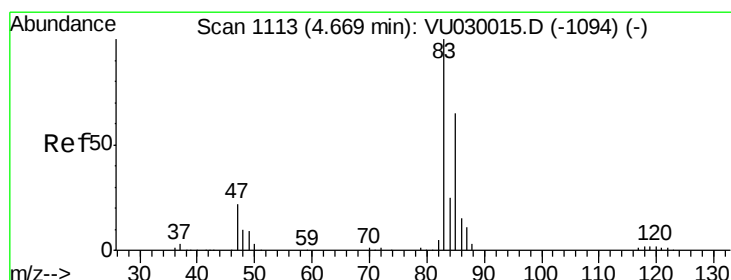
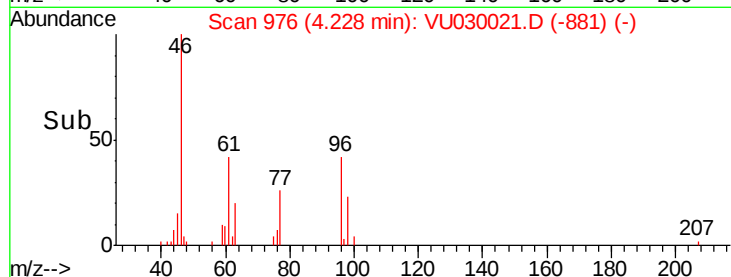
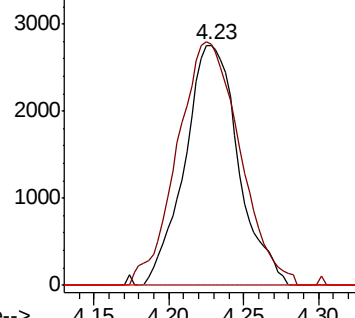
cis-1,2-Dichloroethene
 Concen: 1.864 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU030021.D
 Acq: 13 Mar 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 C0961

Tgt Ion: 96 Resp: 6891
 Ion Ratio Lower Upper
 96 100
 61 100.1 80.8 150.2
 68 0.0 0.0 0.0



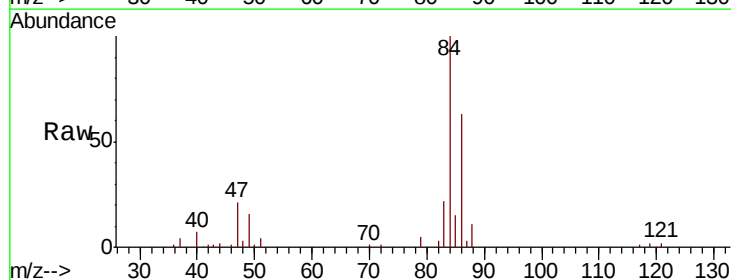
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



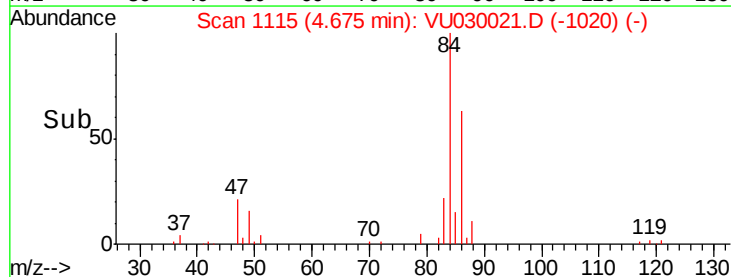
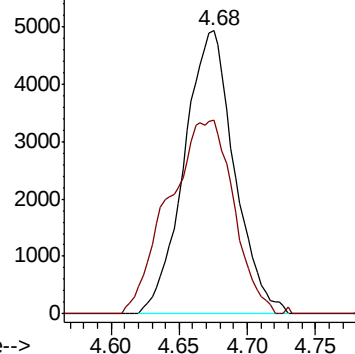
#25

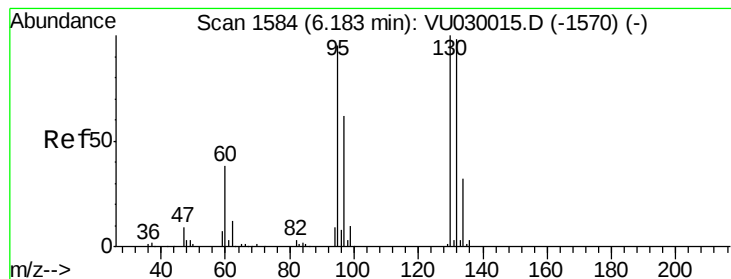
Chloroform
 Concen: 2.151 ug/L
 RT: 4.68 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: VU030021.D
 Acq: 13 Mar 2019 11:18

Tgt Ion: 83 Resp: 12587
 Ion Ratio Lower Upper
 83 100
 85 68.3 44.9 83.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 80.057 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030021.D

Acq: 13 Mar 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

C0961

Tgt Ion: 95 Resp: 277820

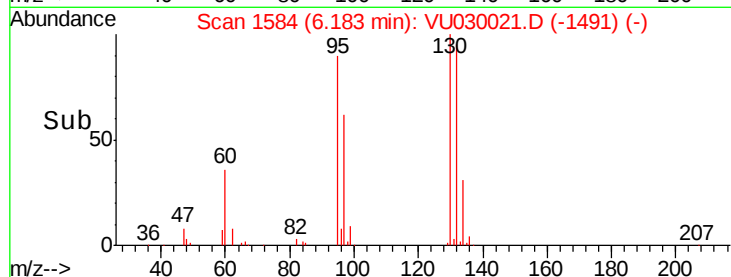
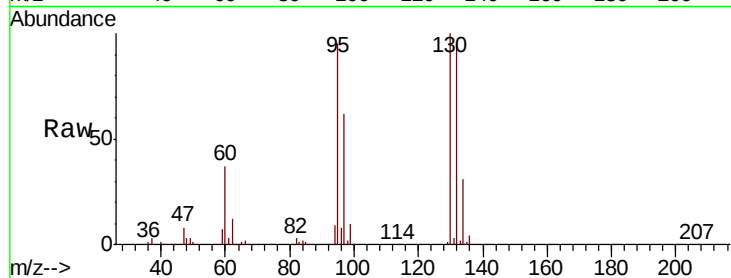
Ion Ratio Lower Upper

95 100

97 65.6 45.5 84.5

132 100.5 71.5 132.7

130 105.5 73.5 136.5



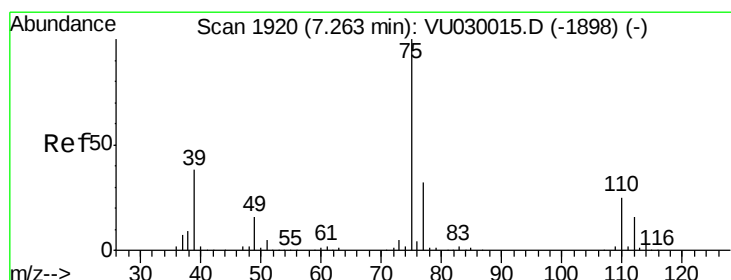
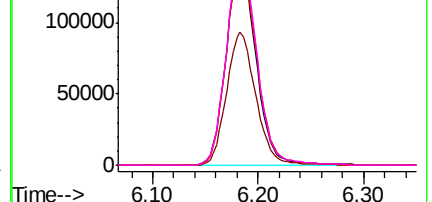
Abundance Ion 95.00 (94.70 to 95.70): VU030015.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU030015.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU030015.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU030015.D (-1570) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.845 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU030021.D

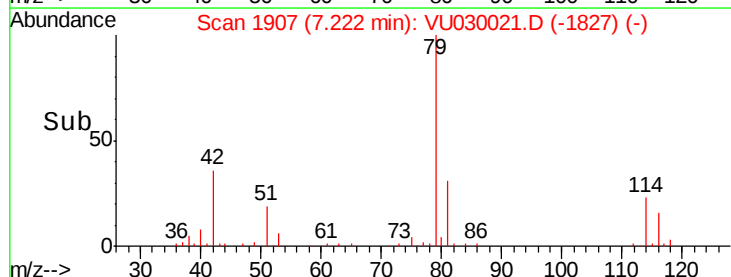
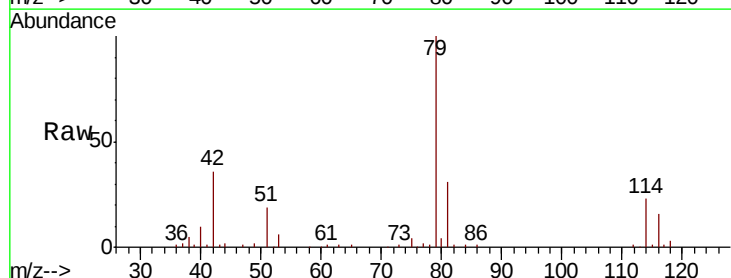
Acq: 13 Mar 2019 11:18

Tgt Ion: 75 Resp: 4580

Ion Ratio Lower Upper

75 100

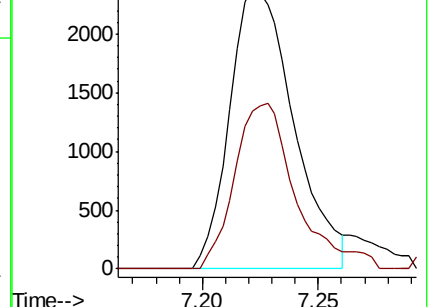
77 56.0 22.2 41.2#

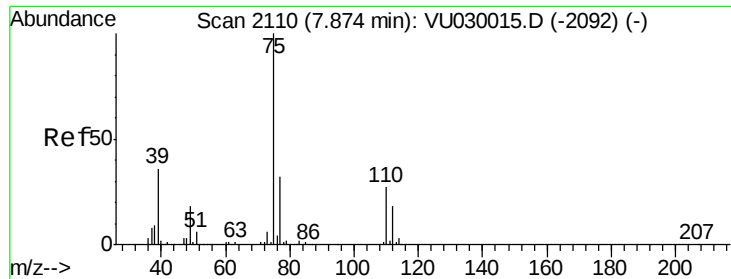


Abundance Ion 75.00 (74.70 to 75.70): VU030015.D (-1898) (-)

Ion 77.00 (76.70 to 77.70): VU030015.D (-1898) (-)

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.638 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030021.D

Acq: 13 Mar 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

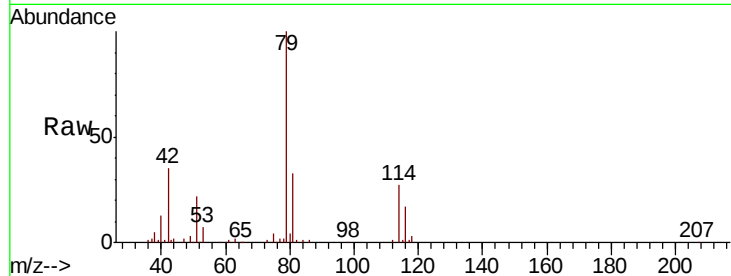
C0961

Tgt Ion: 75 Resp: 3159

Ion Ratio Lower Upper

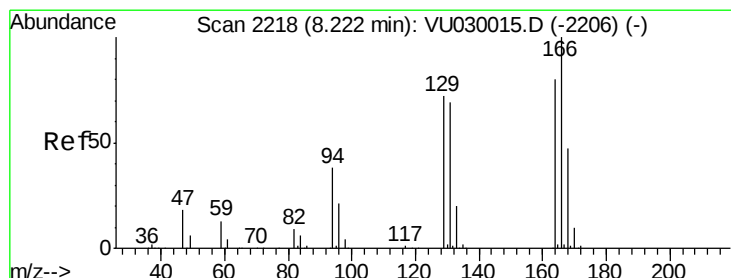
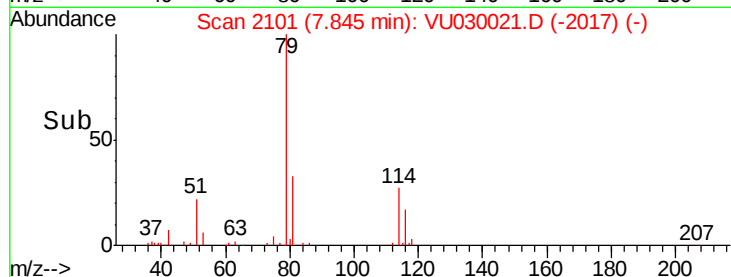
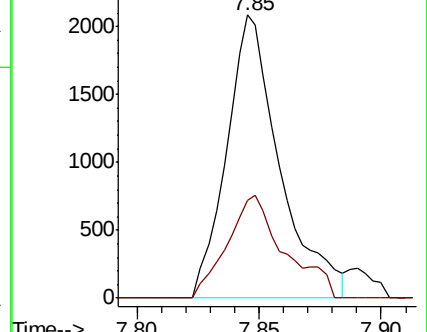
75 100

77 34.3 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VU030015.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030015.D (-2092) (-)



#46

Tetrachloroethene

Concen: 0.816 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030021.D

Acq: 13 Mar 2019 11:18

Tgt Ion: 164 Resp: 2479

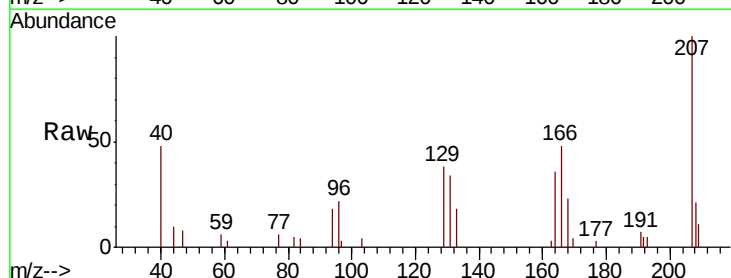
Ion Ratio Lower Upper

164 100

129 106.4 63.3 117.7

131 94.8 62.0 115.2

166 135.9 90.5 168.1

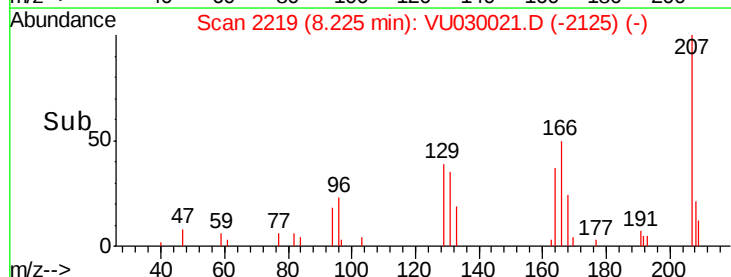
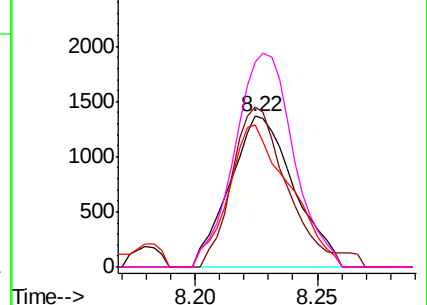


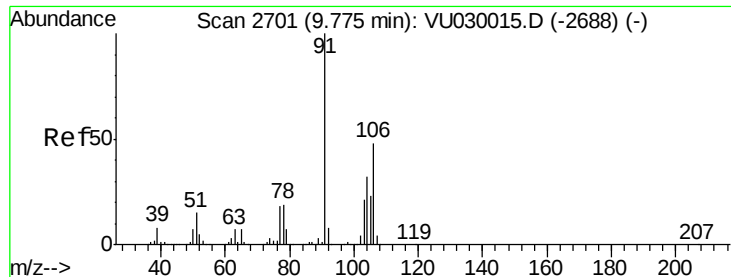
Abundance Ion 164.00 (163.70 to 164.70): VU030015.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU030015.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU030015.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU030015.D (-2206) (-)





#54

o-xylene

Concen: 0.615 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU030021.D

Acq: 13 Mar 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

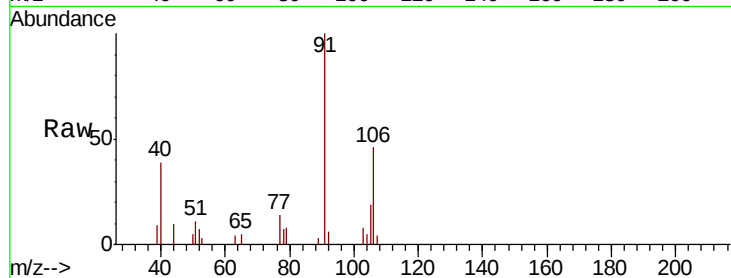
C0961

Tgt Ion:106 Resp: 3705

Ion Ratio Lower Upper

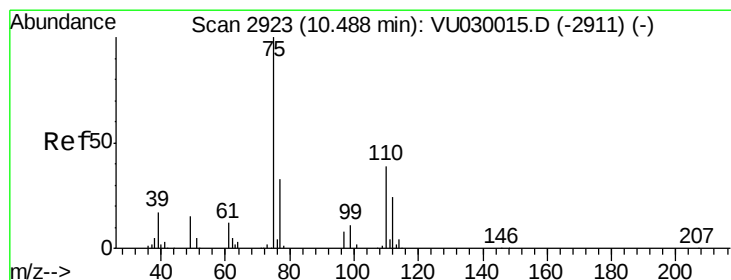
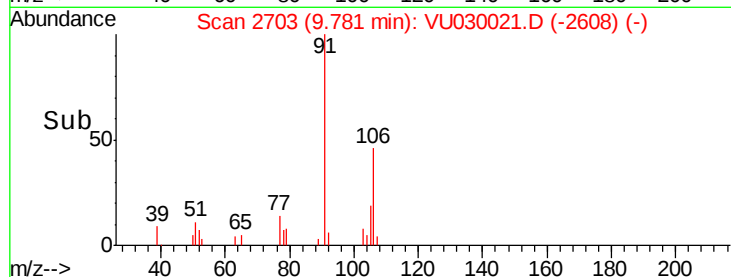
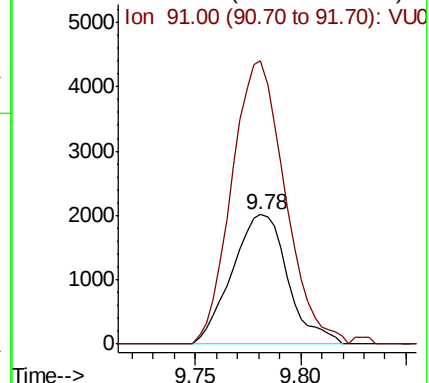
106 100

91 218.4 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): VU030015.D (-2688) (-)

Ion 91.00 (90.70 to 91.70): VU030015.D (-2688) (-)



#59

1,2,3-Trichloropropane

Concen: 4.999 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030021.D

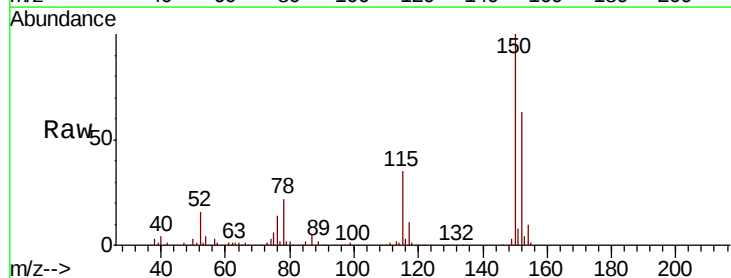
Acq: 13 Mar 2019 11:18

Tgt Ion: 75 Resp: 22675

Ion Ratio Lower Upper

75 100

77 37.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU030015.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030015.D (-2911) (-)

