

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030738.D
 Acq On : 05 Apr 2019 13:09
 Operator : JC/SP
 Sample : K2276-20 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1C4

Quant Time: Apr 05 23:46:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:39:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	480139	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	464646	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	195151	50.00	ug/L	0.00

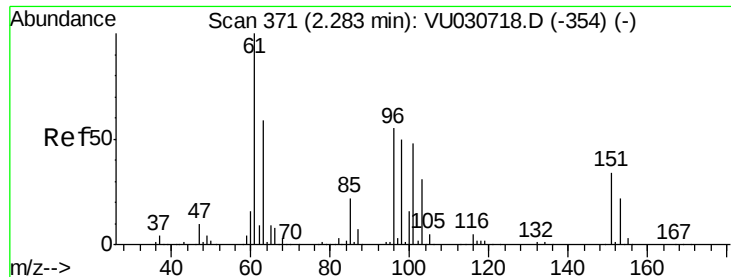
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	207386	48.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.78%
7) Chloroethane-d5	1.68	69	163704	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.64%
11) 1,1-Dichloroethene-d2	2.27	63	289520	37.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.70%
21) 2-Butanone-d5	4.17	46	344015	101.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.27%
24) Chloroform-d	4.64	84	311411	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
26) 1,2-Dichloroethane-d4	5.30	65	223525	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
32) Benzene-d6	5.33	84	665056	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
36) 1,2-Dichloropropane-d6	6.33	67	233296	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.38%
41) Toluene-d8	7.56	98	570965	47.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.98%
43) trans-1,3-Dichloropropene-	7.85	79	99911	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.26%
47) 2-Hexanone-d5	8.31	63	206873	97.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302946	48.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	197542	51.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2549	0.741	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2496	0.752	ug/L #	1
13) Acetone	2.32	43	1952	0.562	ug/L	88
16) Methylene chloride	2.69	84	2796	0.693	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	7433	1.910	ug/L	99
25) Chloroform	4.67	83	21458	2.936	ug/L	98
34) Trichloroethene	6.18	95	20326	5.450	ug/L	95
44) trans-1,3-Dichloropropene	7.85	75	4421	0.819	ug/L	88
45) 1,1,2-Trichloroethane	8.22	97	4216	1.155	ug/L #	1
46) Tetrachloroethene	8.22	164	454861	167.762	ug/L	98
48) 2-Hexanone	8.31	43	24452	4.527	ug/L #	77
59) 1,2,3-Trichloropropane	11.48	75	25193	4.886	ug/L #	87

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



#10

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

Concen: 0.741 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030738.D

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Instrument :

MSVOA_U

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BF1C4

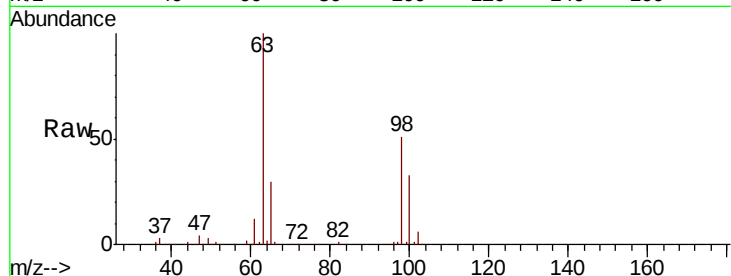
Tot Ion:101 Resp: 2549

Ion Ratio Lower Upper

101 100

85 1.7 36.8 55.2#

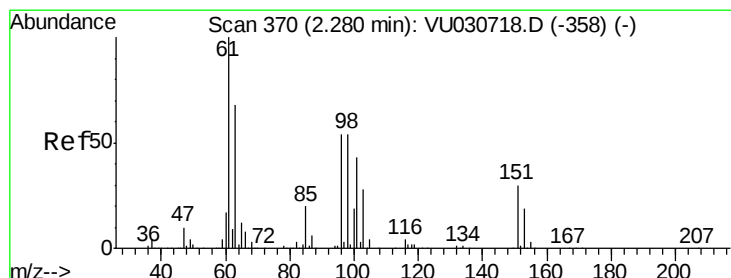
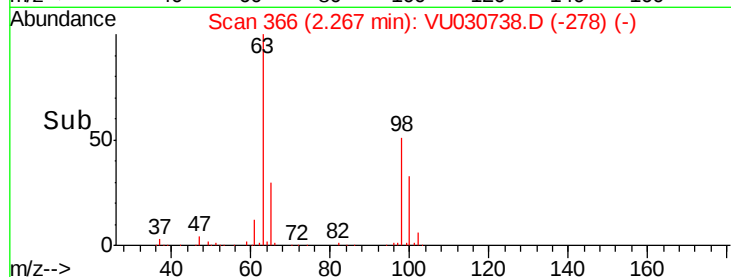
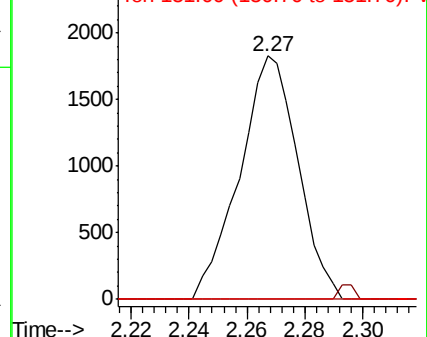
151 0.0 57.4 86.0#



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: 0.752 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030738.D

Acq: 05 Apr 2019 13:09

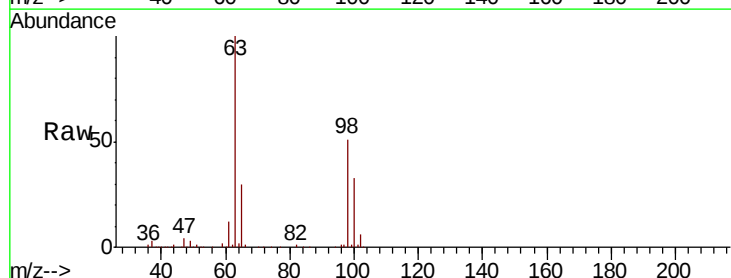
Tgt Ion: 96 Resp: 2496

Ion Ratio Lower Upper

96 100

61 1542.2 132.0 245.2#

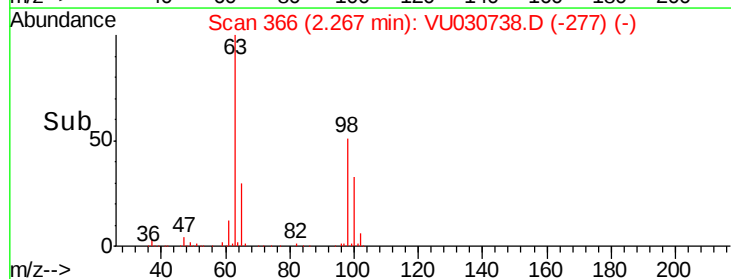
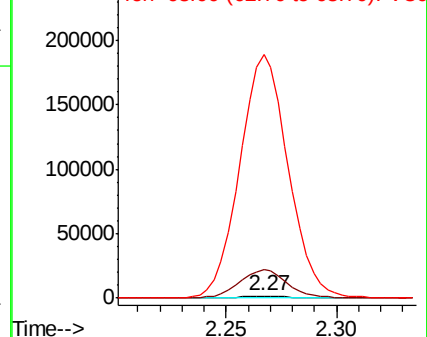
63 13253.3 90.9 168.9#

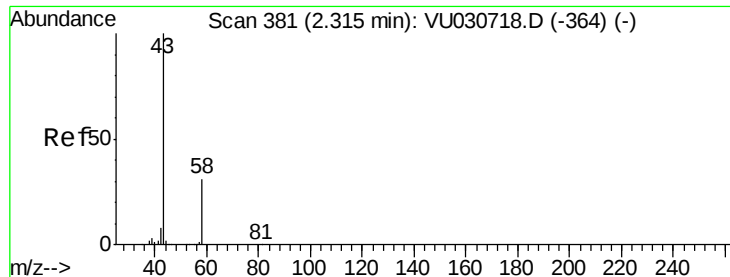


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.562 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030738.D

Acq: 05 Apr 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

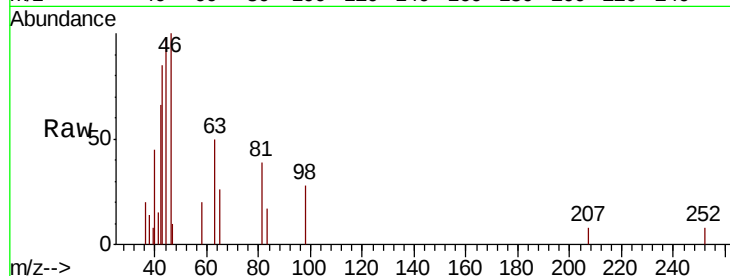
BF1C4

Tot Ion: 43 Resp: 1952

Ion Ratio Lower Upper

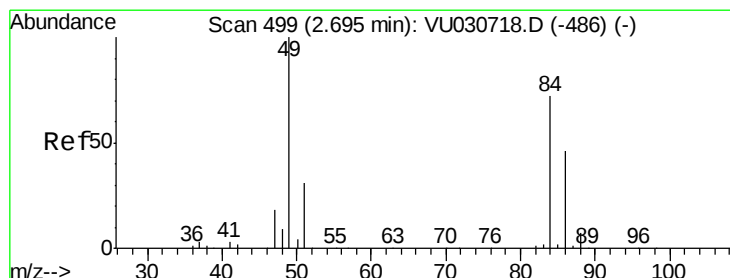
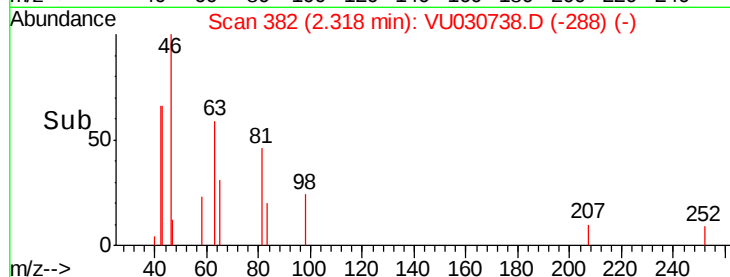
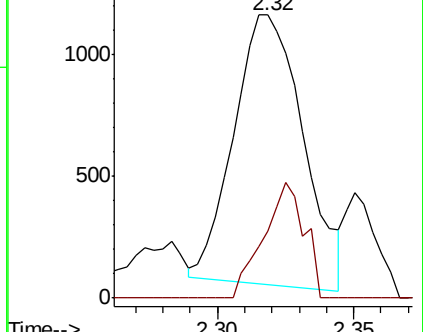
43 100

58 25.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030738.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU030738.D (-364) (-)



#16

Methylene chloride

Concen: 0.693 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU030738.D

Acq: 05 Apr 2019 13:09

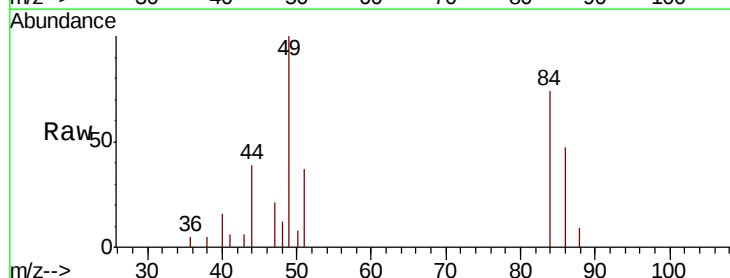
Tgt Ion: 84 Resp: 2796

Ion Ratio Lower Upper

84 100

86 63.5 45.1 83.7

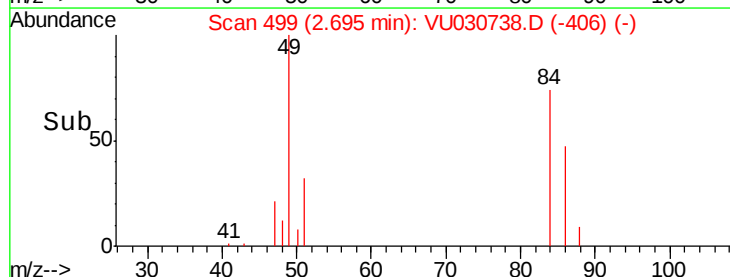
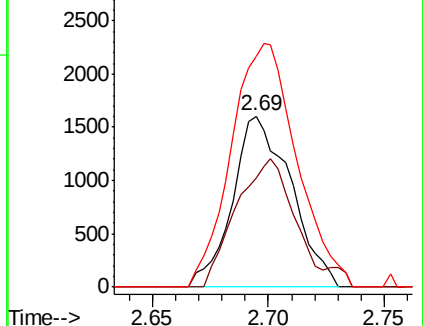
49 134.6 96.5 179.1

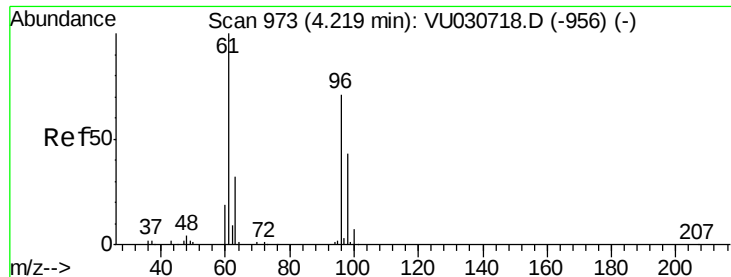


Abundance Ion 84.00 (83.70 to 84.70): VU030738.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU030738.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU030738.D (-486) (-)

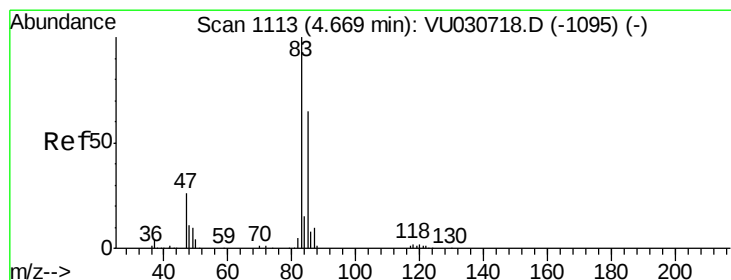
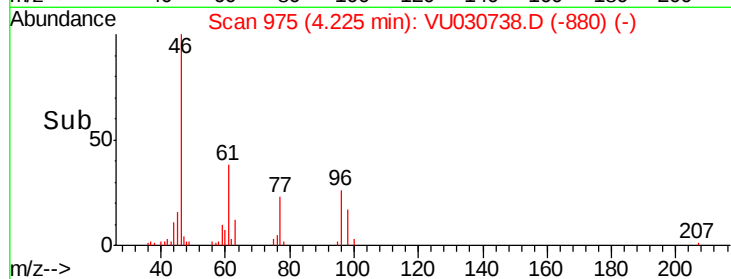
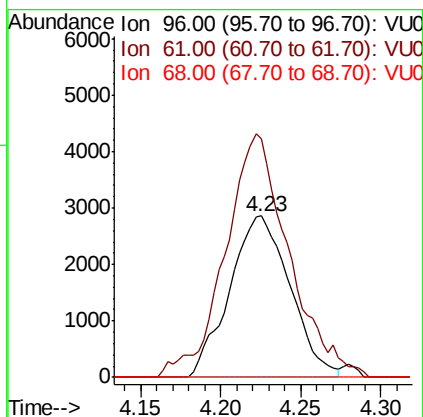
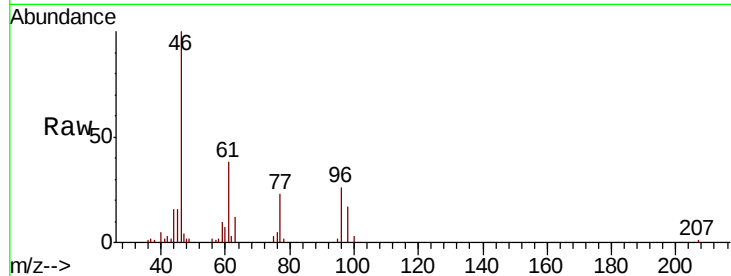




#20
 cis-1,2-Dichloroethene
 Concen: 1.910 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU030738.D
 Acq: 05 Apr 2019 13:09

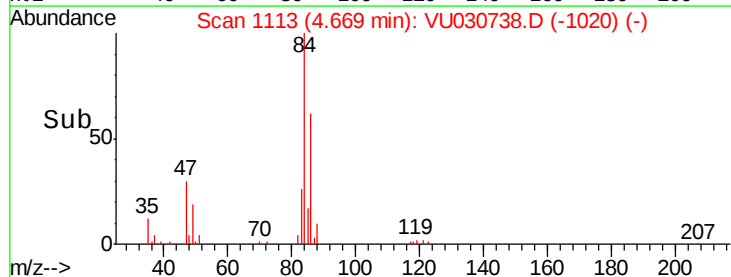
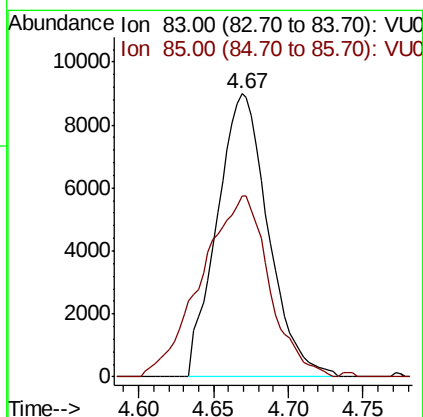
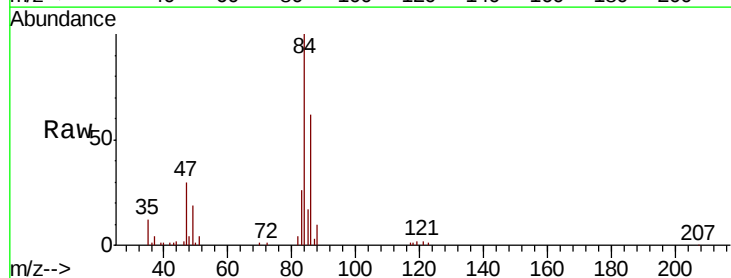
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1C4

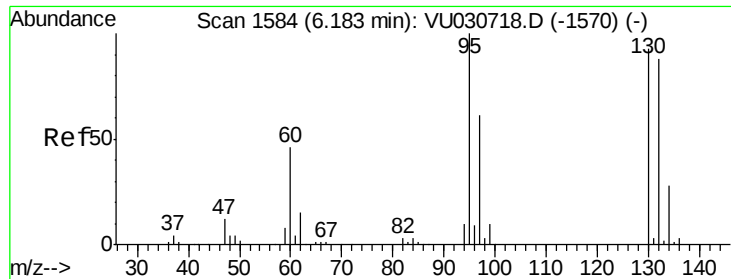
Tot Ion: 96 Resp: 7433
 Ion Ratio Lower Upper
 96 100
 61 147.8 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 2.936 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU030738.D
 Acq: 05 Apr 2019 13:09

Tgt Ion: 83 Resp: 21458
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.8 85.0





#34

Trichloroethene

Concen: 5.450 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030738.D

Acq: 05 Apr 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

BF1C4

Tot Ion: 95 Resp: 20326

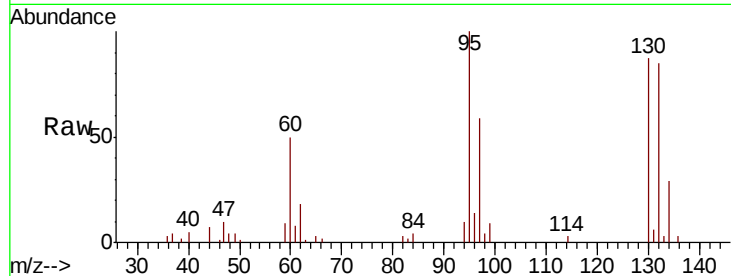
Ion Ratio Lower Upper

95 100

97 59.3 44.5 82.7

132 84.8 61.5 114.1

130 87.3 64.9 120.5



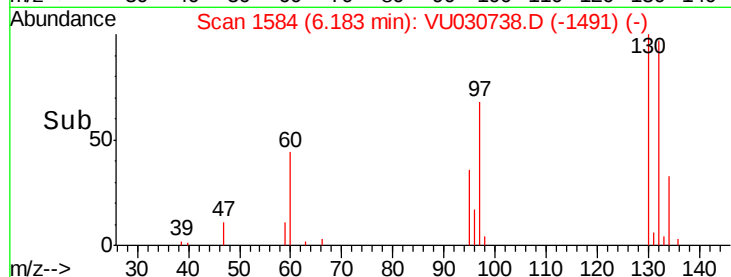
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



6.18

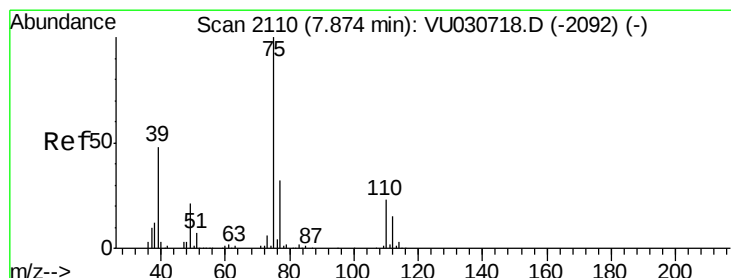
10000

5000

0

6.15 6.20 6.25

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.819 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030738.D

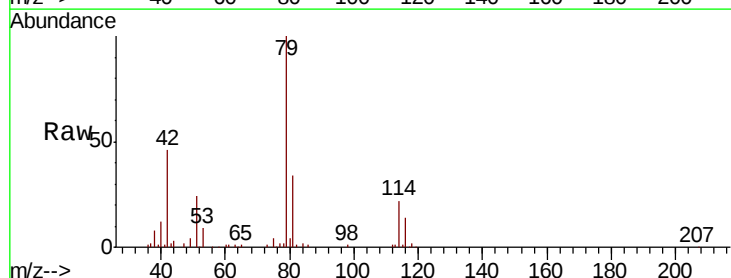
Acq: 05 Apr 2019 13:09

Tgt Ion: 75 Resp: 4421

Ion Ratio Lower Upper

75 100

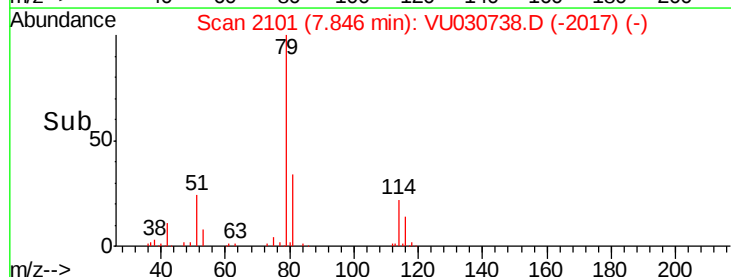
77 37.6 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Time-->



7.85

2500

2000

1500

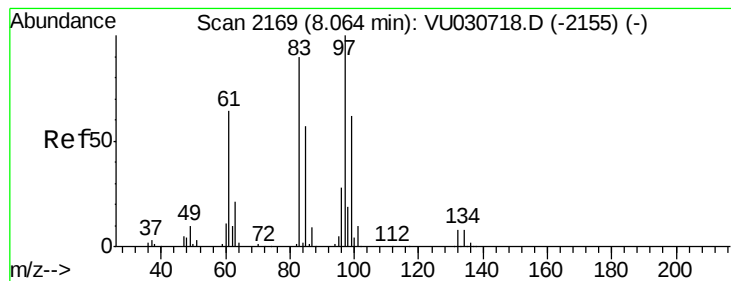
1000

500

0

7.80 7.85 7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 1.155 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.16 min

Lab File: VU030738.D

Acq: 05 Apr 2019 13:09

Instrument :

MSVOA_U

ClientSampled :

BF1C4

Tot Ion: 97 Resp: 4216

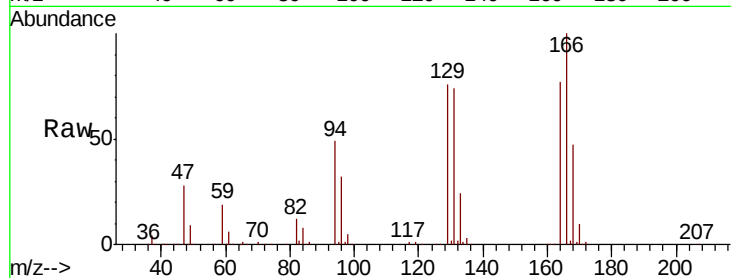
Ion Ratio Lower Upper

97 100

99 16.5 44.0 81.8#

83 273.7 65.3 121.3#

85 28.6 42.5 78.9#



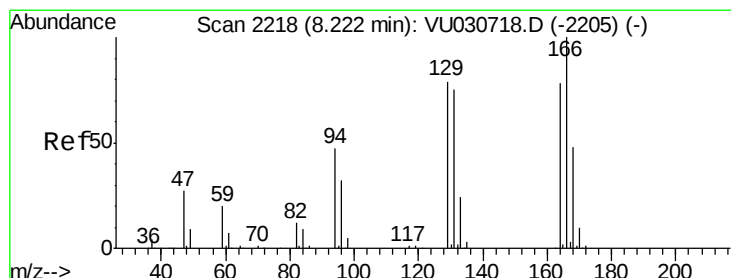
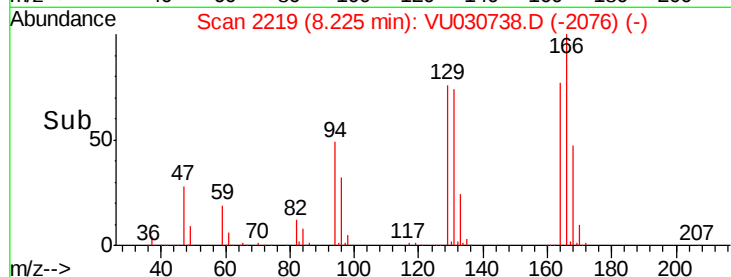
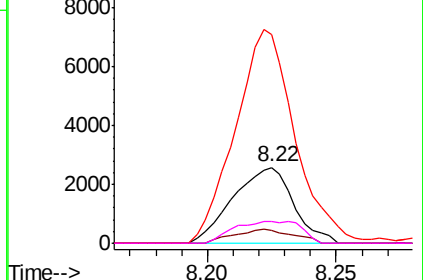
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 167.762 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU030738.D

Acq: 05 Apr 2019 13:09

Tgt Ion:164 Resp: 454861

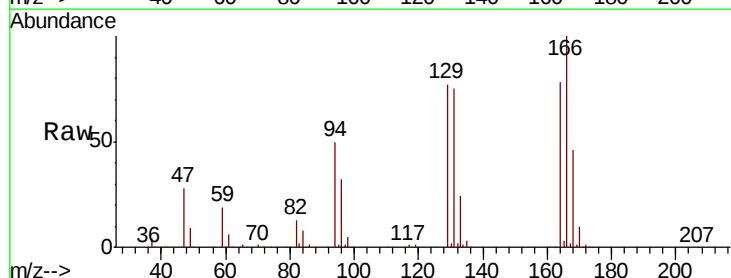
Ion Ratio Lower Upper

164 100

129 99.1 67.4 125.2

131 96.5 65.9 122.5

166 128.3 88.6 164.6



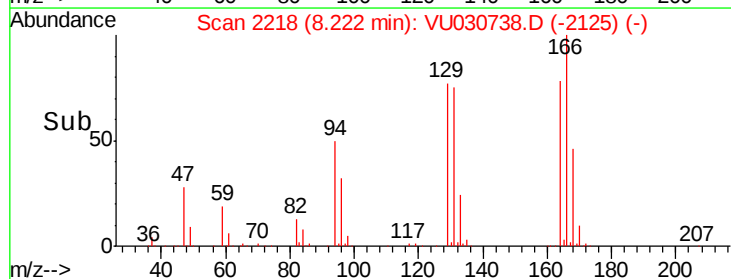
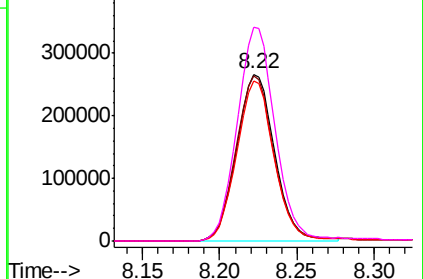
Abundance

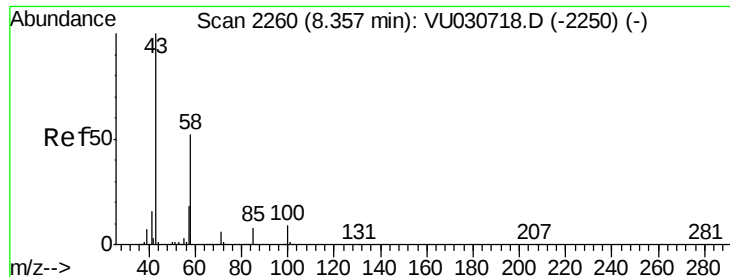
Ion 164.00 (163.70 to 164.70): V

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

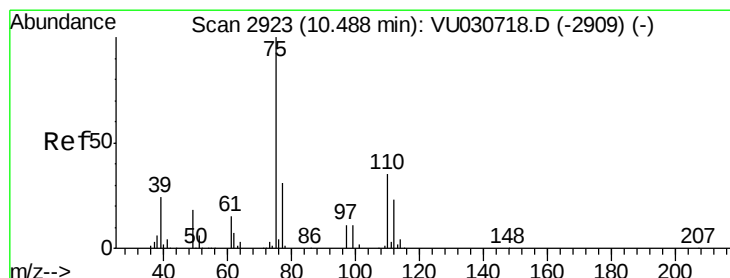
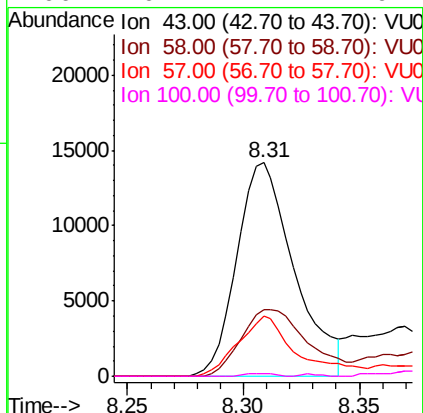
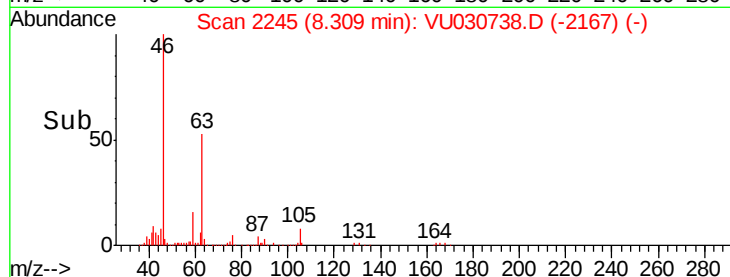
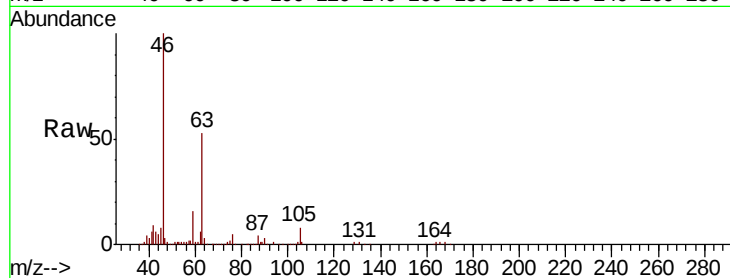




#48
2-Hexanone
Concen: 4.527 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030738.D
Acq: 05 Apr 2019 13:09

Instrument :
MSVOA_U
ClientSampleId :
BF1C4

Tot Ion: 43 Resp: 24452
Ion Ratio Lower Upper
43 100
58 36.8 41.9 62.9#
57 29.0 14.3 21.5#
100 0.7 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 4.886 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU030738.D
Acq: 05 Apr 2019 13:09

Tgt Ion: 75 Resp: 25193
Ion Ratio Lower Upper
75 100
77 39.8 26.1 39.1#

