

Data File : VU030317.D
Acq On : 22 Mar 2019 18:43
Operator : JC/SP
Sample : K2048-06 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF198

Quant Time: Mar 23 04:39:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 04:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	519695	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	510381	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	232823	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139664	39.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.48%
7) Chloroethane-d5	1.68	69	122926	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.50%
11) 1,1-Dichloroethene-d2	2.27	63	198307	30.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.86%
21) 2-Butanone-d5	4.17	46	260491	99.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.92%
24) Chloroform-d	4.65	84	284214	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.14%
26) 1,2-Dichloroethane-d4	5.31	65	169826	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
32) Benzene-d6	5.34	84	597362	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.84%
36) 1,2-Dichloropropane-d6	6.33	67	196839	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.60%
41) Toluene-d8	7.56	98	524723	41.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.98%
43) trans-1,3-Dichloropropene-	7.85	79	84179	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.08%
47) 2-Hexanone-d5	8.31	63	210763	97.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	300106	47.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	222825	47.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.34%

Target Compounds

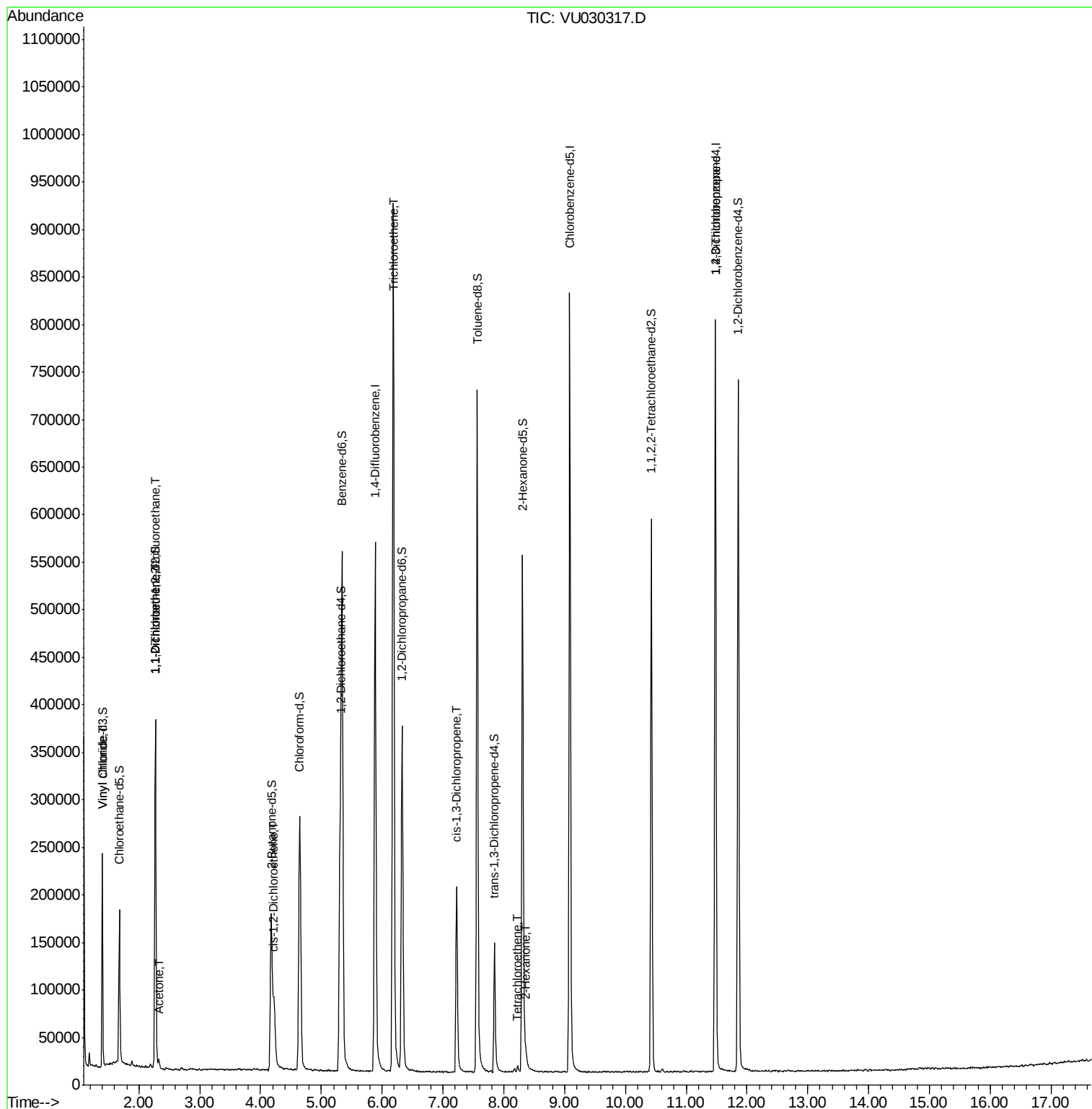
						Qvalue
5) Vinyl chloride	1.40	62	5804	1.284	ug/L #	40
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2115	0.606	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	2301	0.664	ug/L #	1
13) Acetone	2.32	43	8521	3.128	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	36068	9.010	ug/L	99
34) Trichloroethene	6.18	95	330582	85.176	ug/L	98
39) cis-1,3-Dichloropropene	7.23	75	4478	0.740	ug/L #	63
46) Tetrachloroethene	8.23	164	1833	0.559	ug/L #	73
48) 2-Hexanone	8.37	43	7153	1.663	ug/L #	75
59) 1,2,3-Trichloropropane	11.48	75	23945	4.698	ug/L	92

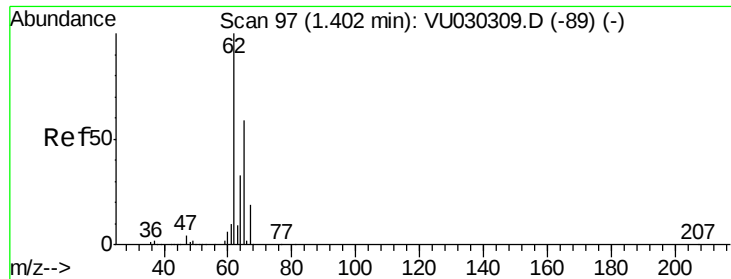
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.284 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030317.D

Acq: 22 Mar 2019 18:43

Instrument :

MSVOA_U

ClientSampleId :

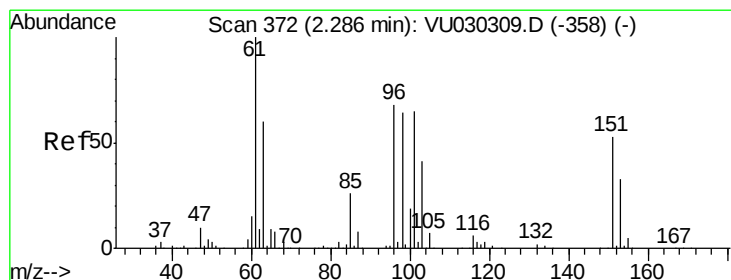
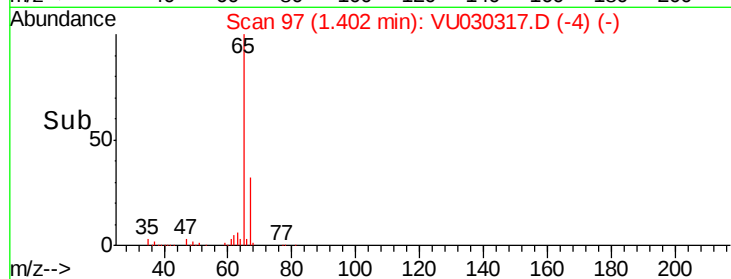
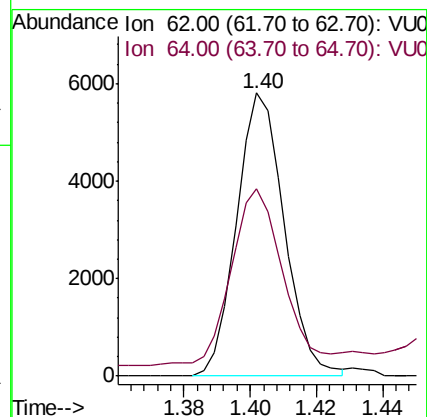
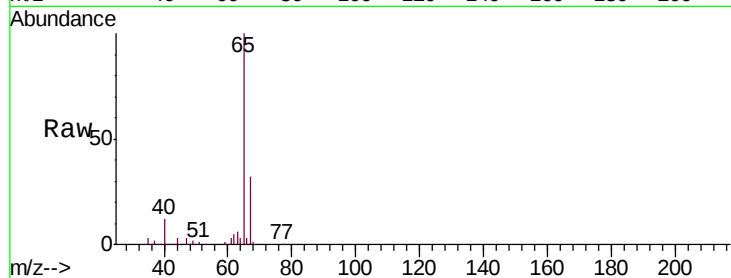
BF198

Tgt Ion: 62 Resp: 5804

Ion Ratio Lower Upper

62 100

64 66.3 22.9 42.5#



#10

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

Concen: 0.606 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030317.D

Acq: 22 Mar 2019 18:43

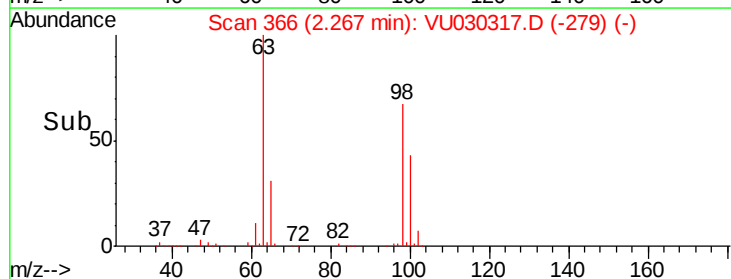
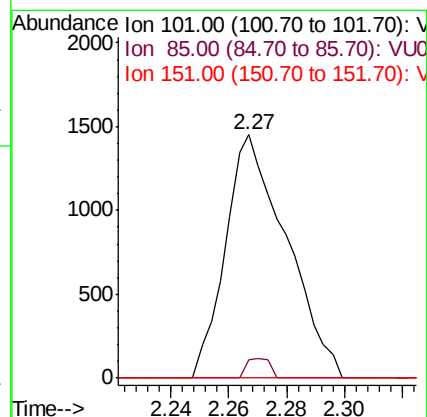
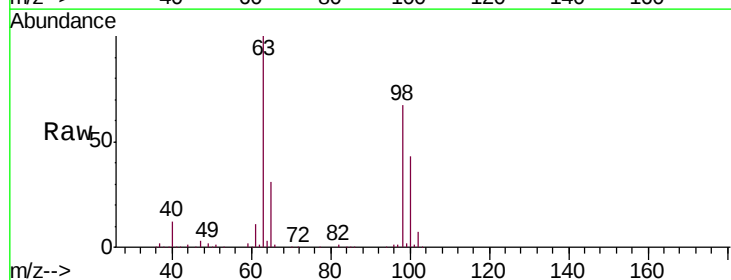
Tgt Ion: 101 Resp: 2115

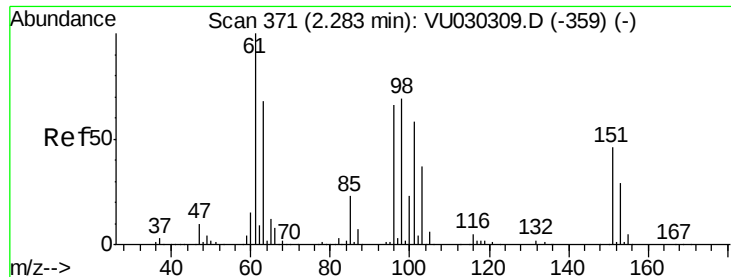
Ion Ratio Lower Upper

101 100

85 3.1 32.5 48.7#

151 0.0 64.7 97.1#





#12

1,1-Dichloroethene

Concen: 0.664 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030317.D

Acq: 22 Mar 2019 18:43

Instrument :

MSVOA_U

ClientSampleId :

BF198

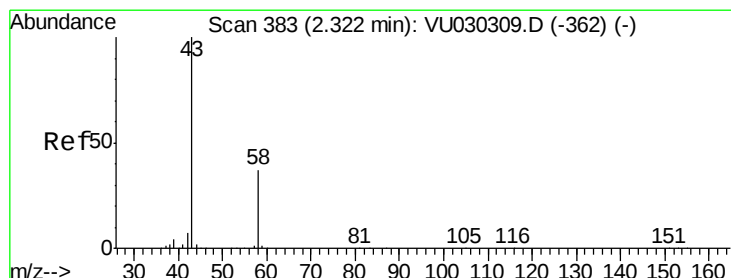
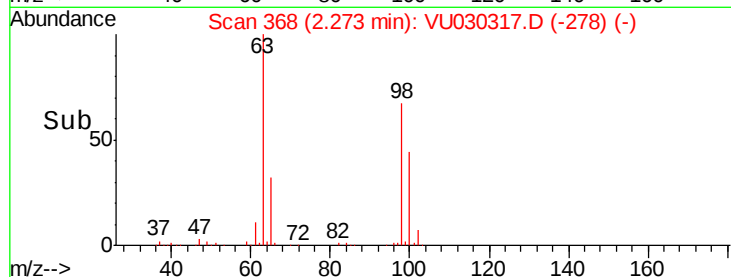
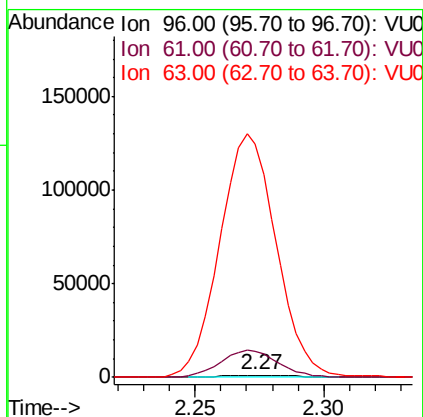
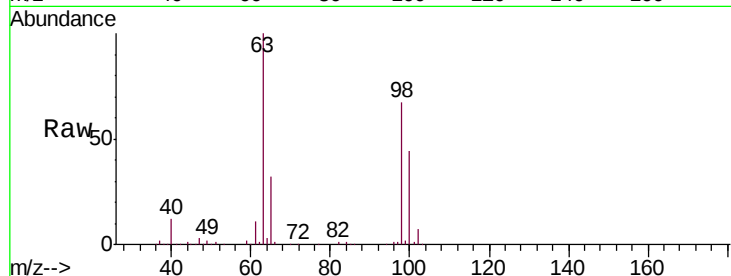
Tgt Ion: 96 Resp: 2301

Ion Ratio Lower Upper

96 100

61 1124.0 104.6 194.2#

63 10132.7 77.2 143.4#



#13

Acetone

Concen: 3.128 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU030317.D

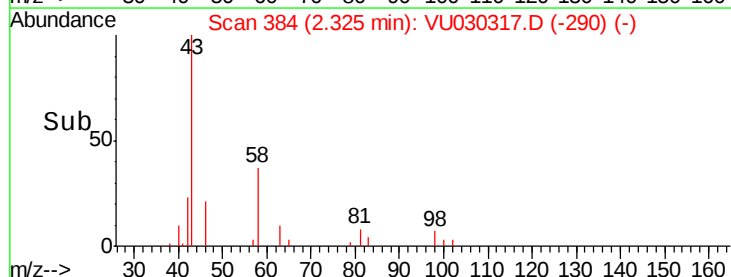
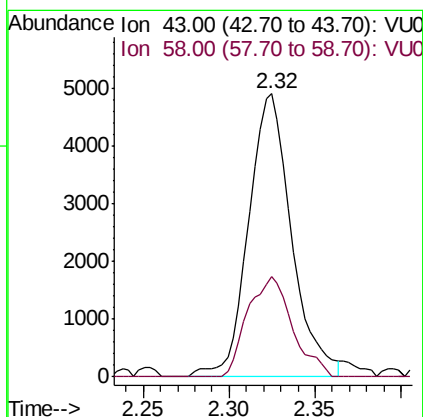
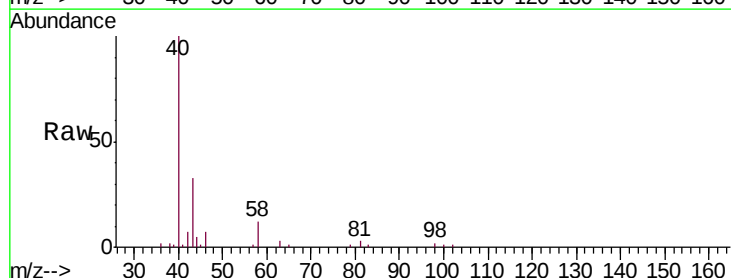
Acq: 22 Mar 2019 18:43

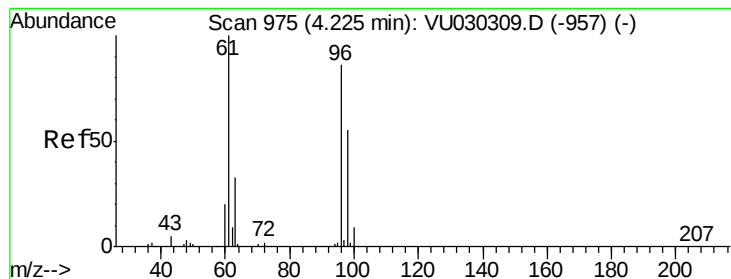
Tgt Ion: 43 Resp: 8521

Ion Ratio Lower Upper

43 100

58 36.8 0.0 73.4



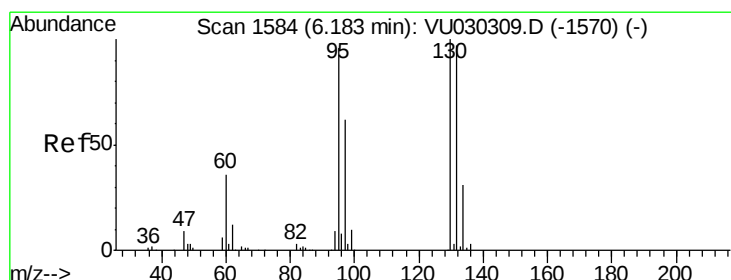
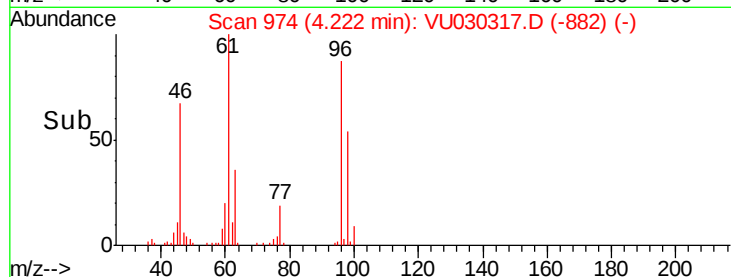
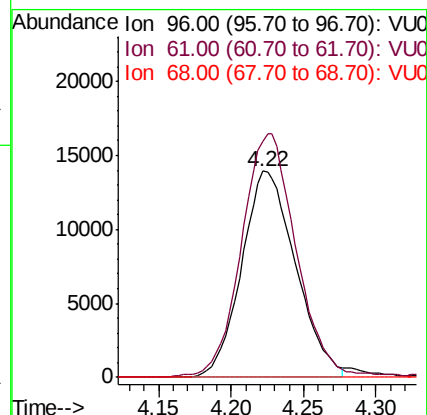
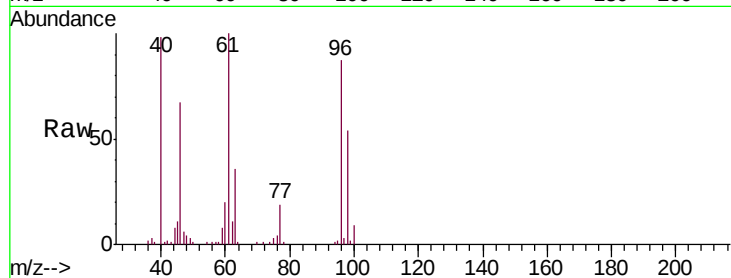


#20

cis-1,2-Dichloroethene
Concen: 9.010 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU030317.D
Acq: 22 Mar 2019 18:43

Instrument :
MSVOA_U
ClientSampleId :
BF198

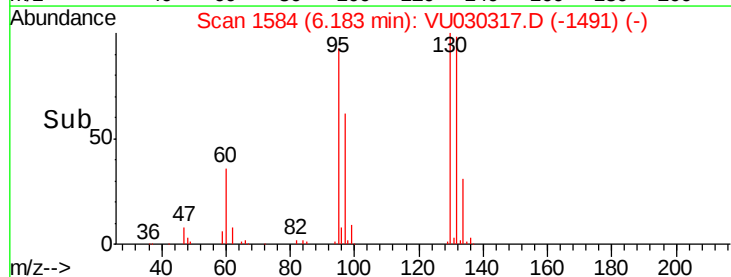
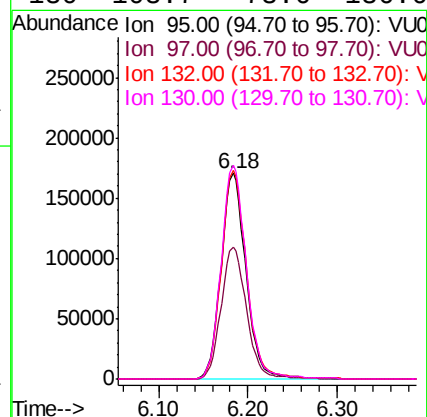
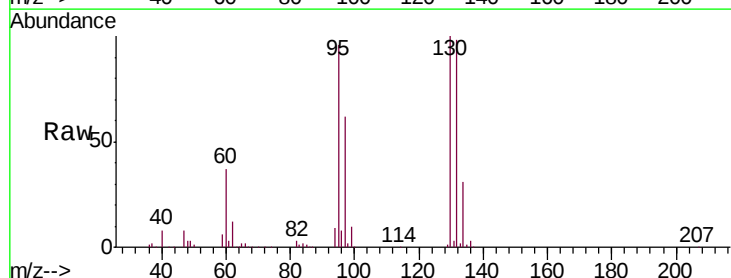
Tgt Ion: 96 Resp: 36068
Ion Ratio Lower Upper
96 100
61 114.8 81.5 151.3
68 0.0 0.0 0.0

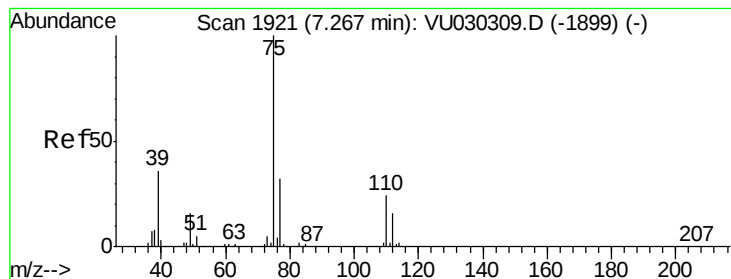


#34

Trichloroethene
Concen: 85.176 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VU030317.D
Acq: 22 Mar 2019 18:43

Tgt Ion: 95 Resp: 330582
Ion Ratio Lower Upper
95 100
97 64.3 46.2 85.8
132 101.6 69.3 128.7
130 103.7 73.6 136.6





#39

cis-1,3-Dichloropropene

Concen: 0.740 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU030317.D

Acq: 22 Mar 2019 18:43

Instrument :

MSVOA_U

ClientSampled :

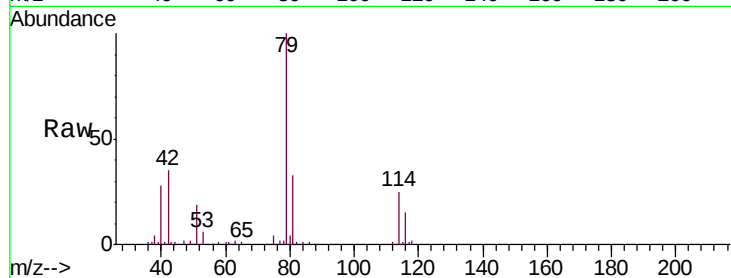
BF198

Tgt Ion: 75 Resp: 4478

Ion Ratio Lower Upper

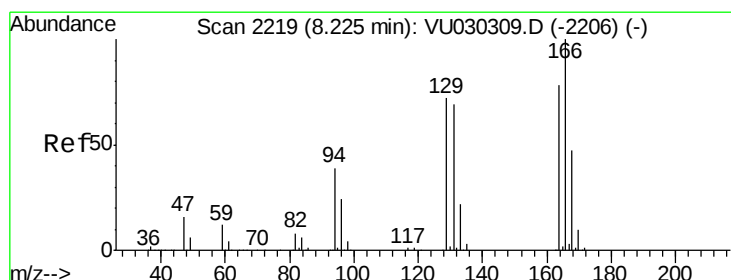
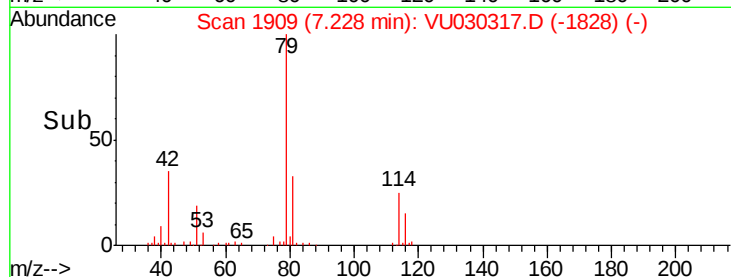
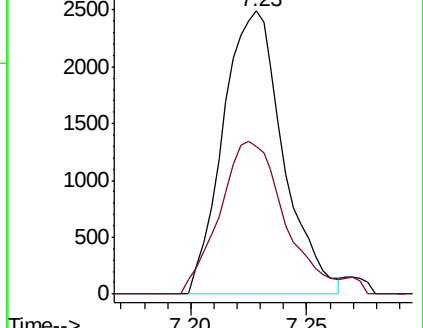
75 100

77 52.1 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU030309.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU030309.D (-1899) (-)



#46

Tetrachloroethene

Concen: 0.559 ug/L

RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU030317.D

Acq: 22 Mar 2019 18:43

Tgt Ion: 164 Resp: 1833

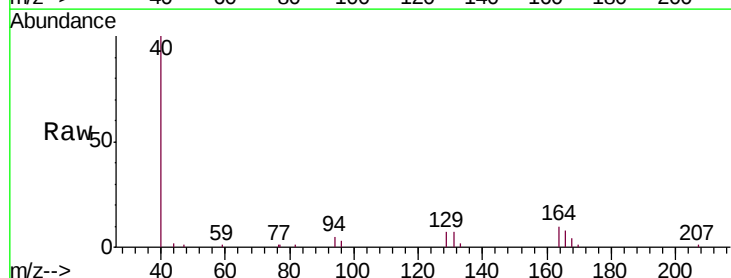
Ion Ratio Lower Upper

164 100

129 71.4 64.4 119.6

131 76.2 63.2 117.4

166 82.4 89.5 166.1#

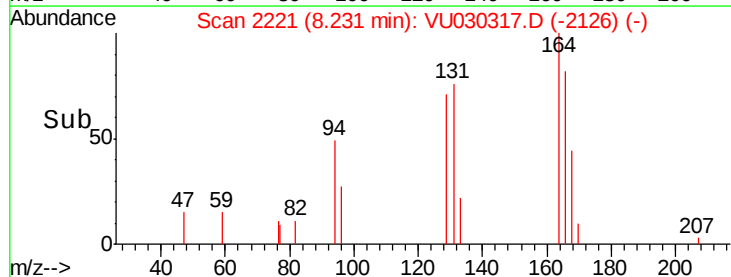
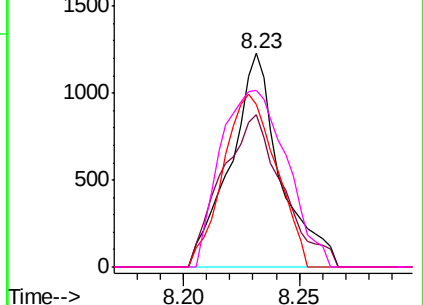


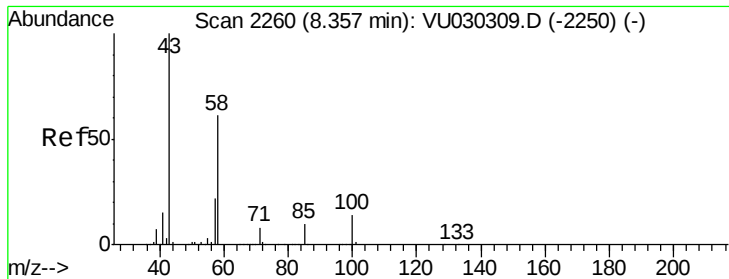
Abundance Ion 164.00 (163.70 to 164.70): VU030309.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU030309.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU030309.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU030309.D (-2206) (-)





#48

2-Hexanone

Concen: 1.663 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU030317.D

Acq: 22 Mar 2019 18:43

Instrument :

MSVOA_U

ClientSampleId :

BF198

Tgt Ion: 43 Resp: 7153

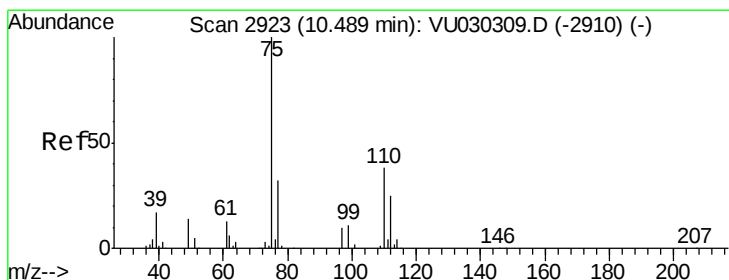
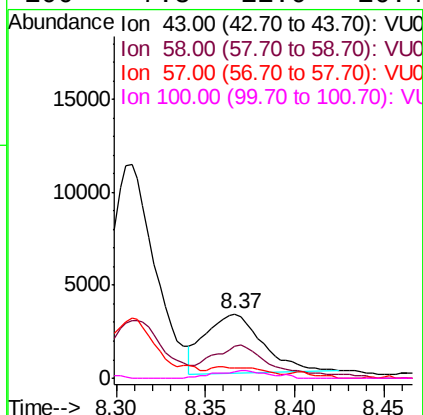
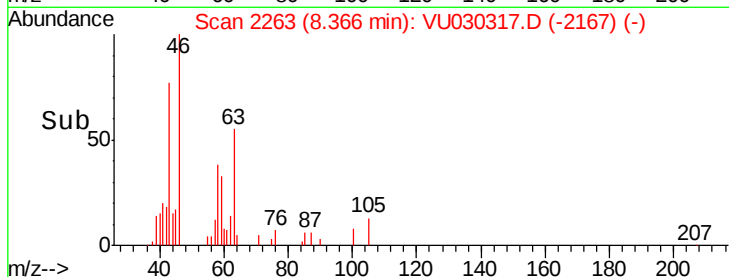
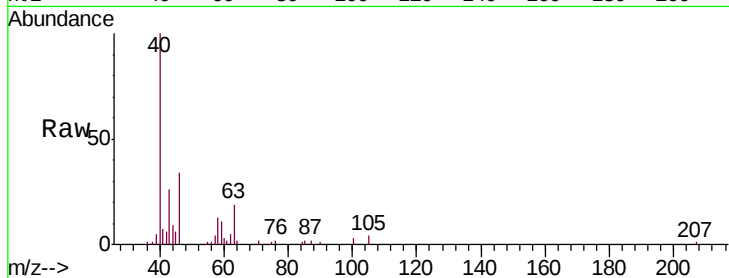
Ion Ratio Lower Upper

43 100

58 45.5 49.3 73.9#

57 0.0 17.0 25.4#

100 7.8 11.0 16.4#



#59

1,2,3-Trichloropropane

Concen: 4.698 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030317.D

Acq: 22 Mar 2019 18:43

Tgt Ion: 75 Resp: 23945

Ion Ratio Lower Upper

75 100

77 36.9 25.8 38.8

