

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032219\
 Data File : VU030306.D
 Acq On : 22 Mar 2019 14:22
 Operator : JC/SP
 Sample : K2048-09 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1D4DL

Quant Time: Mar 23 02:37:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 02:31:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	512672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	502165	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	228739	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	152838	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.18%
7) Chloroethane-d5	1.68	69	130275	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.27	63	213173	33.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.42%
21) 2-Butanone-d5	4.17	46	272593	105.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.99%
24) Chloroform-d	4.65	84	298024	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.68%
26) 1,2-Dichloroethane-d4	5.31	65	178464	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
32) Benzene-d6	5.34	84	633771	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.78%
36) 1,2-Dichloropropane-d6	6.33	67	206148	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.70%
41) Toluene-d8	7.56	98	568806	45.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.44%
43) trans-1,3-Dichloropropene-	7.85	79	90171	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
47) 2-Hexanone-d5	8.31	63	217937	102.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309605	49.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	230563	50.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.42%

Target Compounds

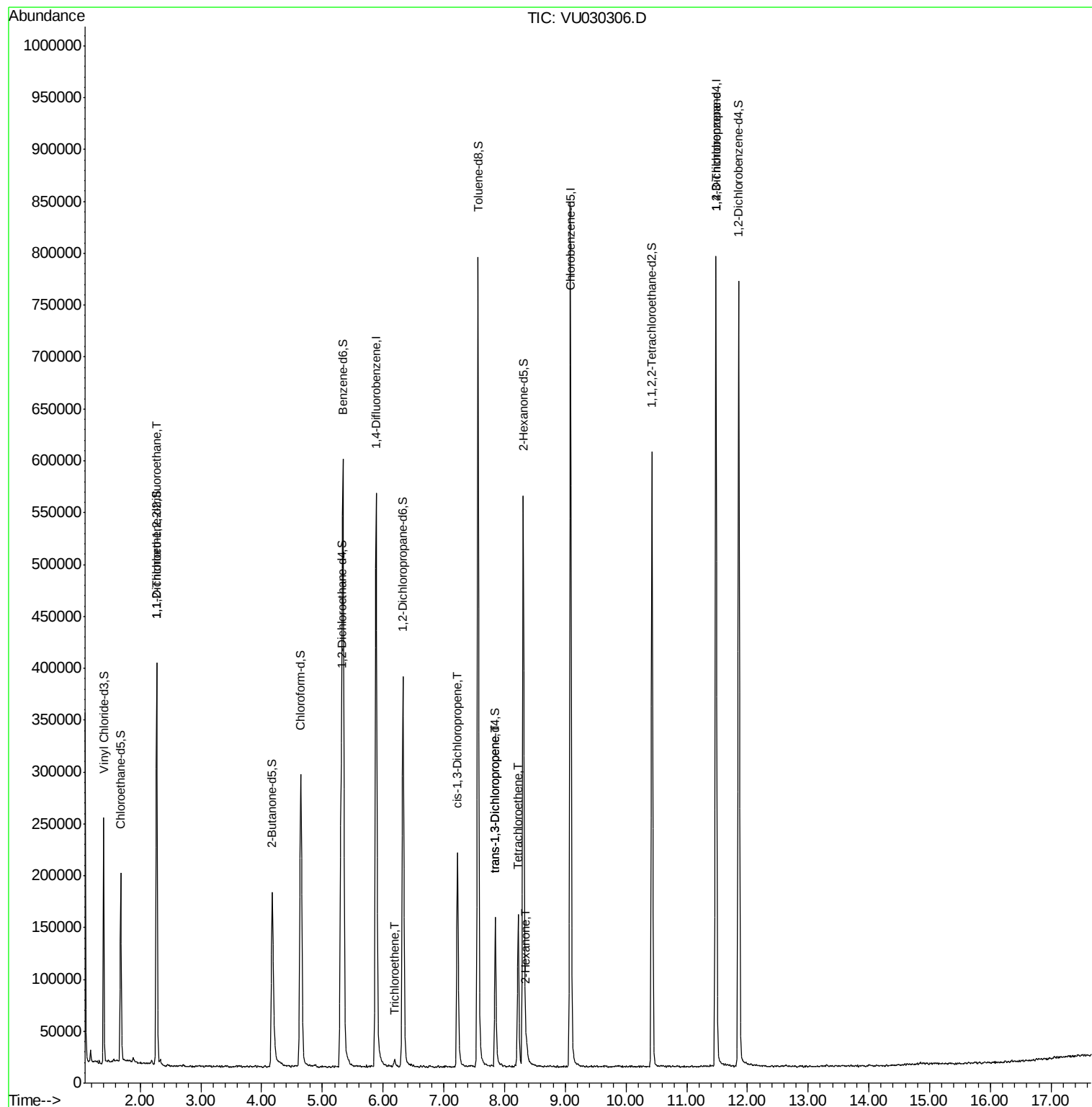
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2210	0.642 ug/L #	18
34) Trichloroethene	6.20	95	2585	0.677 ug/L	89
39) cis-1,3-Dichloropropene	7.22	75	4681	0.786 ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	3175	0.616 ug/L #	55
46) Tetrachloroethene	8.22	164	37236	11.541 ug/L	97
48) 2-Hexanone	8.36	43	5879	1.389 ug/L #	88
59) 1,2,3-Trichloropropane	11.48	75	22367	4.460 ug/L	93

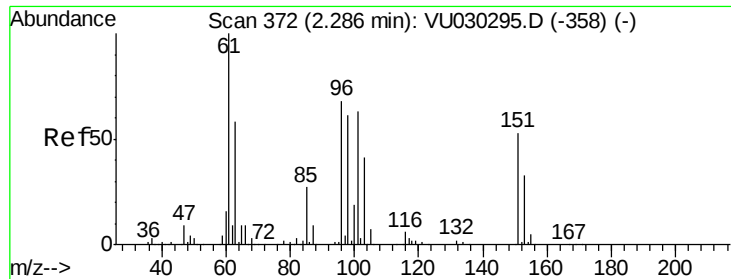
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 23 02:31:55 2019
Response via : Initial Calibration





#10

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

Concen: 0.642 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030306.D

Acq: 22 Mar 2019 14:22

Instrument :

MSVOA_U

ClientSampleId :

BF1D4DL

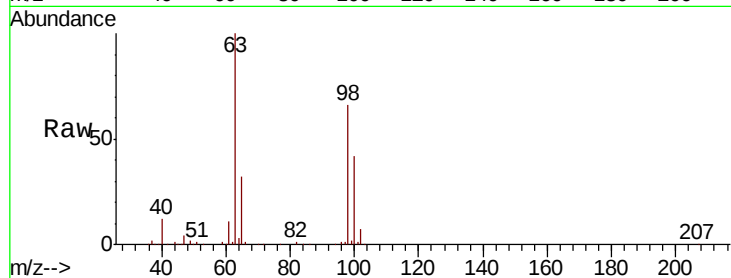
Tgt Ion:101 Resp: 2210

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

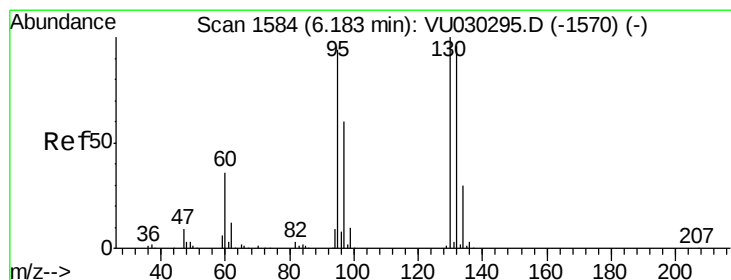
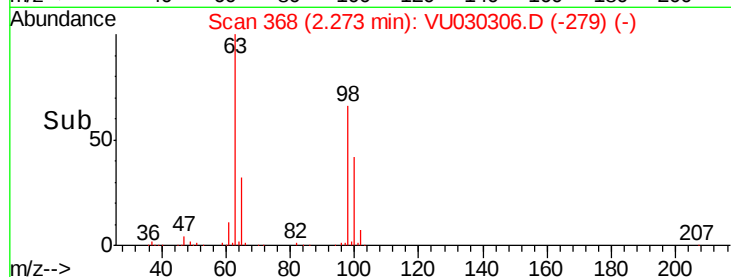
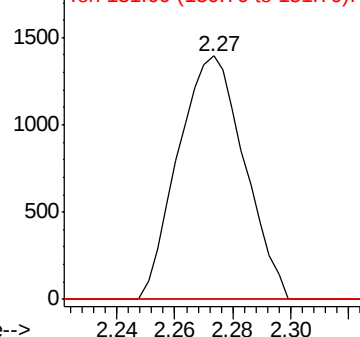
151 0.0 64.7 97.1#



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



#34

Trichloroethene

Concen: 0.677 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.01 min

Lab File: VU030306.D

Acq: 22 Mar 2019 14:22

Tgt Ion: 95 Resp: 2585

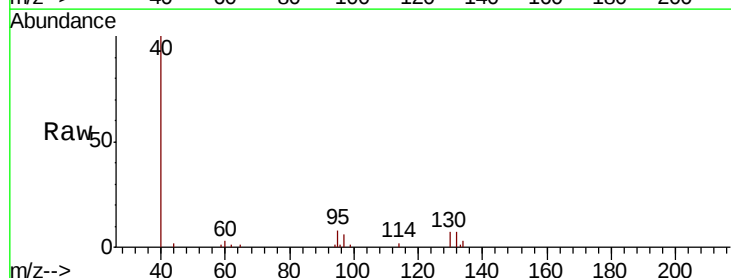
Ion Ratio Lower Upper

95 100

97 79.7 46.2 85.8

132 96.2 69.3 128.7

130 89.4 73.6 136.6

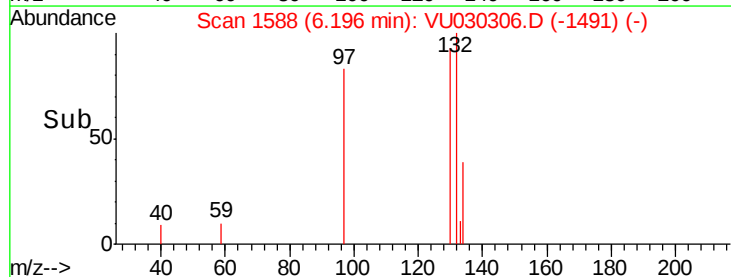
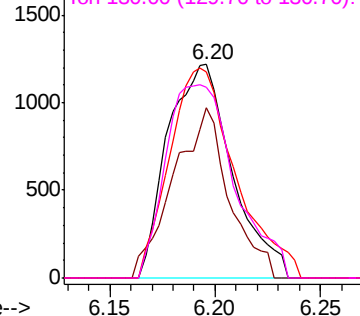


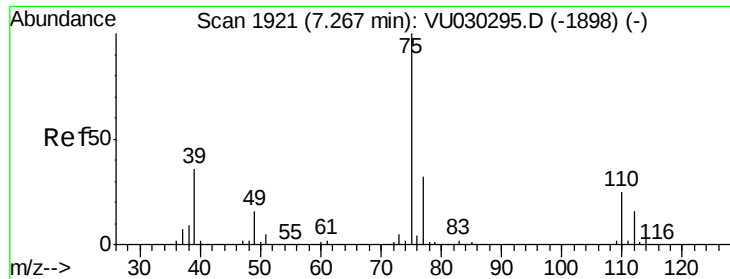
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

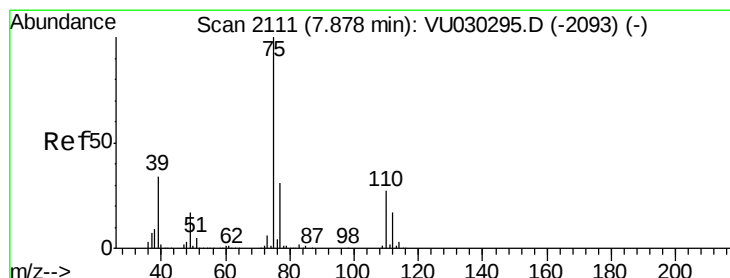
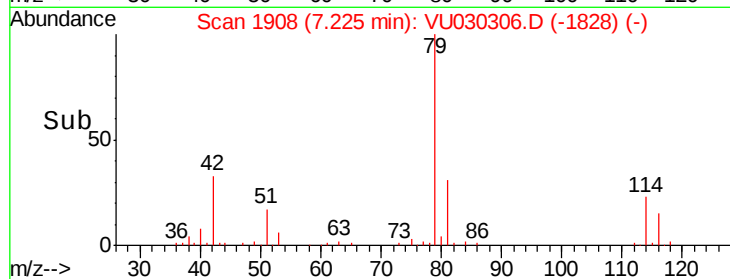
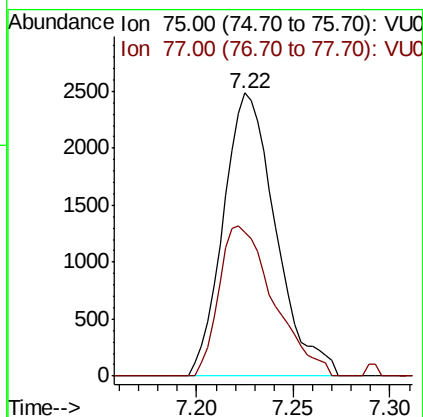
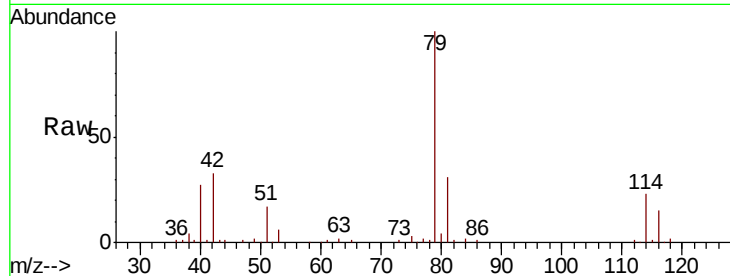




#39
 cis-1,3-Dichloropropene
 Concen: 0.786 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030306.D
 Acq: 22 Mar 2019 14:22

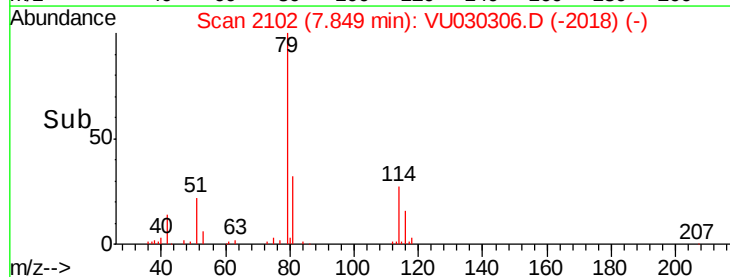
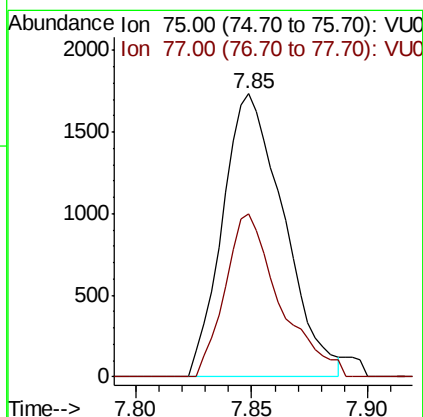
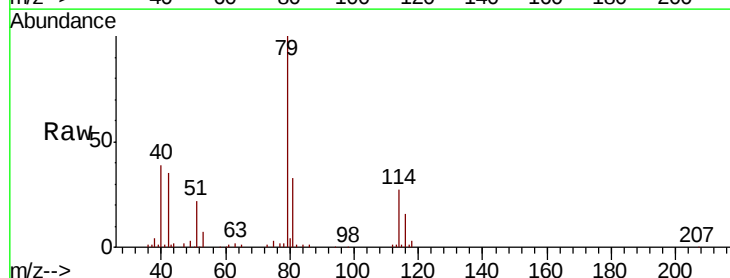
Instrument :
 MSVOA_U
 ClientSampled :
 BF1D4DL

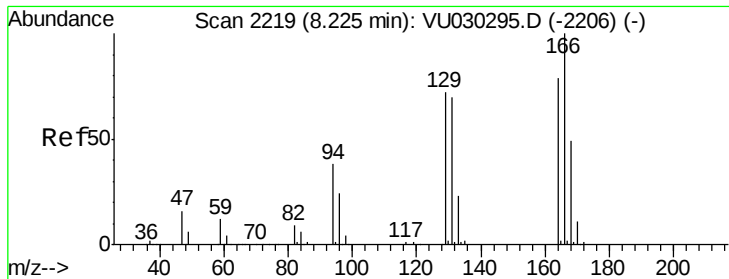
Tgt Ion: 75 Resp: 4681
 Ion Ratio Lower Upper
 75 100
 77 50.8 22.1 41.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.616 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU030306.D
 Acq: 22 Mar 2019 14:22

Tgt Ion: 75 Resp: 3175
 Ion Ratio Lower Upper
 75 100
 77 57.5 22.7 42.1#





#46

Tetrachloroethene

Concen: 11.541 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU030306.D

Acq: 22 Mar 2019 14:22

Instrument :

MSVOA_U

ClientSampleId :

BF1D4DL

Tgt Ion:164 Resp: 37236

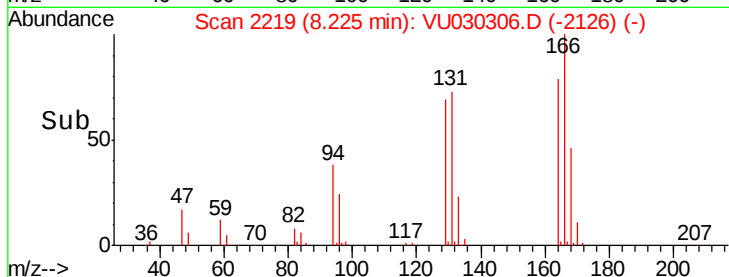
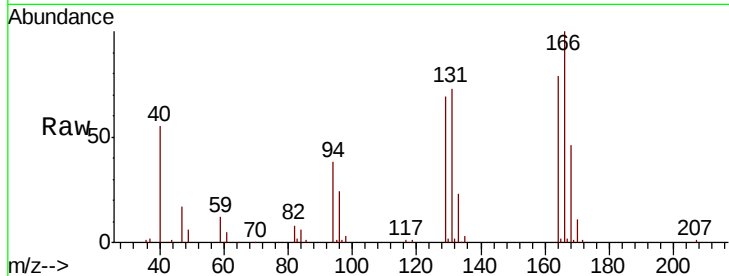
Ion Ratio Lower Upper

164 100

129 86.6 64.4 119.6

131 92.2 63.2 117.4

166 126.1 89.5 166.1



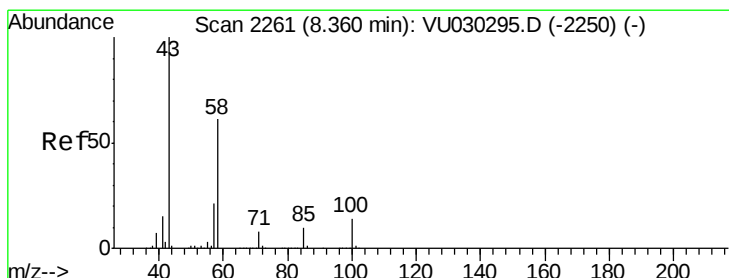
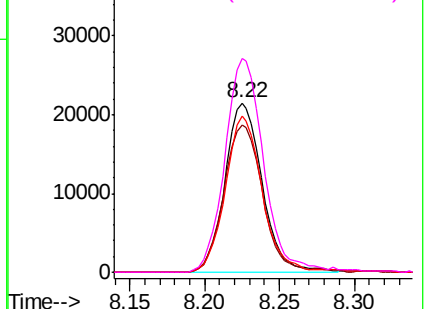
Abundance

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: 1.389 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VU030306.D

Acq: 22 Mar 2019 14:22

Tgt Ion: 43 Resp: 5879

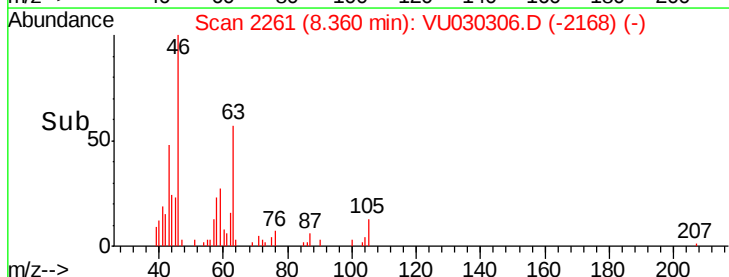
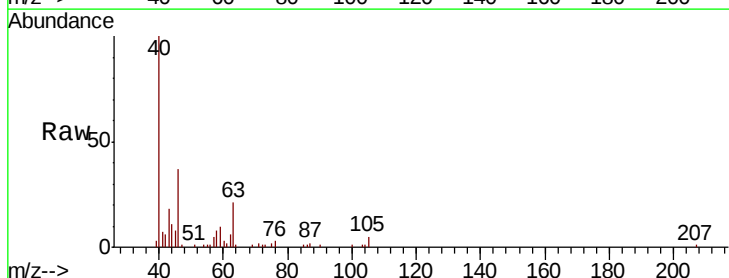
Ion Ratio Lower Upper

43 100

58 62.2 49.3 73.9

57 0.0 17.0 25.4#

100 8.8 11.0 16.4#



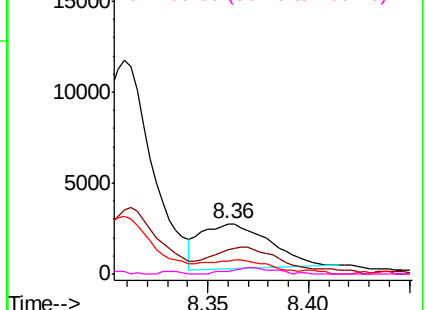
Abundance

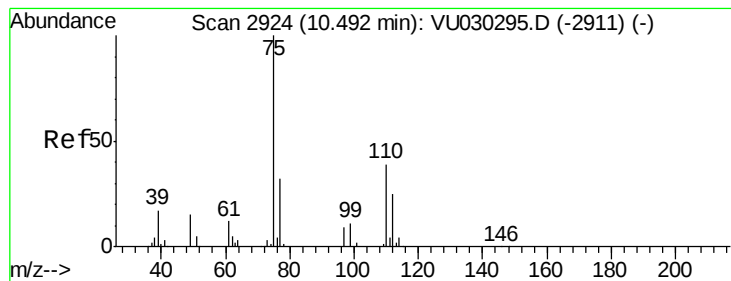
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.460 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030306.D

Acq: 22 Mar 2019 14:22

Instrument :

MSVOA_U

ClientSampleId :

BF1D4DL

Tgt Ion: 75 Resp: 22367

Ion Ratio Lower Upper

75 100

77 36.5 25.8 38.8

