

Data File : VU030589.D
Acq On : 31 Mar 2019 14:53
Operator : JC/SP
Sample : K2167-15 25X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1C0

Quant Time: Apr 01 02:10:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 02:05:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	449540	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	434635	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	175294	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	141479	39.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.22%
7) Chloroethane-d5	1.84	69	294	0.10	ug/L	0.17
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.20%#
11) 1,1-Dichloroethene-d2	2.27	63	228722	33.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.66%
21) 2-Butanone-d5	4.18	46	286364	84.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.20%
24) Chloroform-d	4.65	84	267995	42.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.98%
26) 1,2-Dichloroethane-d4	5.31	65	185261	45.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.84%
32) Benzene-d6	5.34	84	548092	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
36) 1,2-Dichloropropane-d6	6.33	67	197052	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.42%
41) Toluene-d8	7.56	98	473151	42.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.54%
43) trans-1,3-Dichloropropene-	7.85	79	87321	43.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.10%
47) 2-Hexanone-d5	8.31	63	173526	75.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	264431	43.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	163750	46.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.24%

Target Compounds

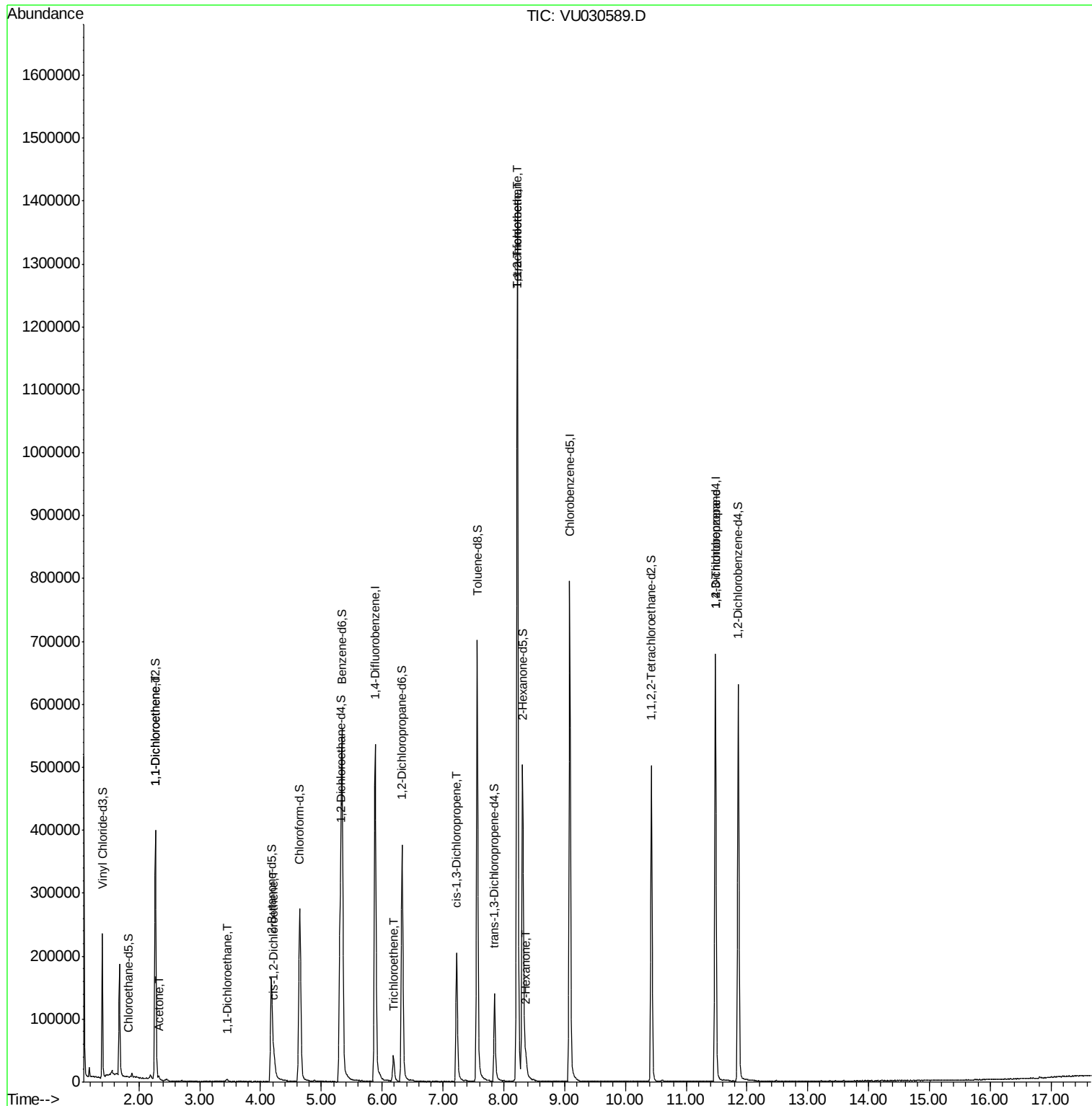
					Qvalue
12) 1,1-Dichloroethene	2.28	96	14179	4.408 ug/L #	1
13) Acetone	2.32	43	1688	0.491 ug/L	98
19) 1,1-Dichloroethane	3.45	63	4773	0.689 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	10973	2.900 ug/L	100
34) Trichloroethene	6.19	95	14850	4.083 ug/L	97
39) cis-1,3-Dichloropropene	7.23	75	4237	0.702 ug/L #	57
45) 1,1,2-Trichloroethane	8.22	97	2924	0.824 ug/L #	1
46) Tetrachloroethene	8.22	164	312944	123.185 ug/L	97
48) 2-Hexanone	8.37	43	16428	2.842 ug/L #	88
59) 1,2,3-Trichloropropane	11.48	75	23839	4.665 ug/L	93

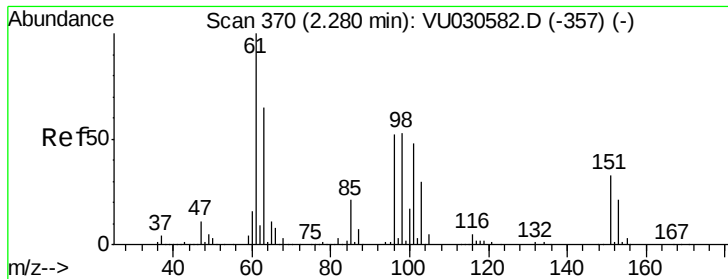
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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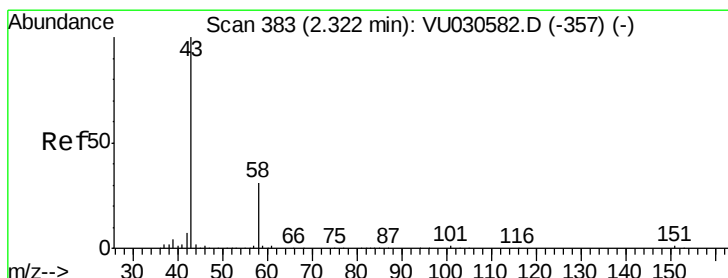
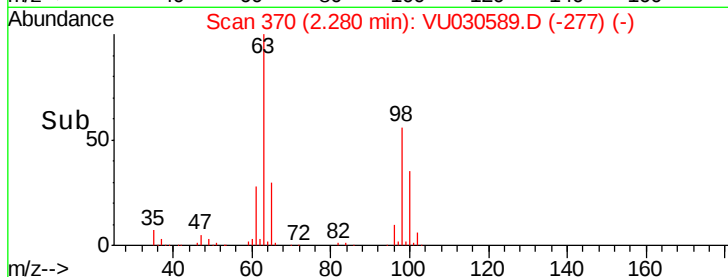
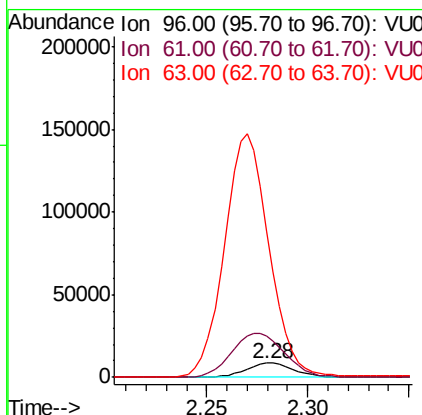
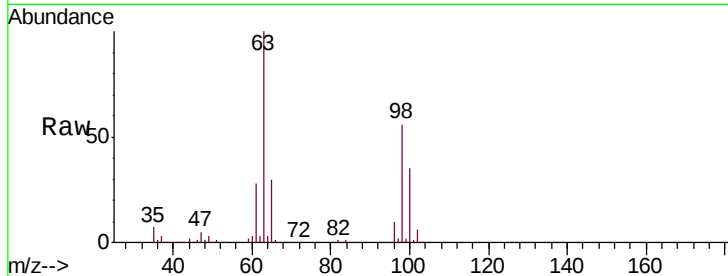




#12
 1,1-Dichloroethene
 Concen: 4.408 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU030589.D
 Acq: 31 Mar 2019 14:53

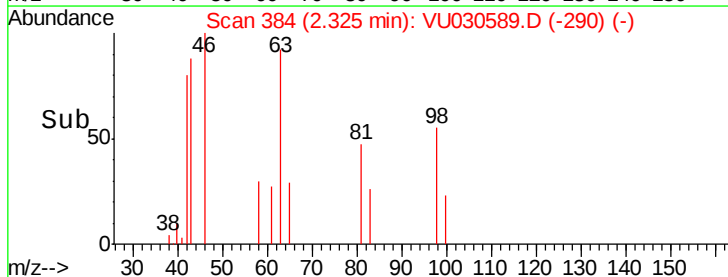
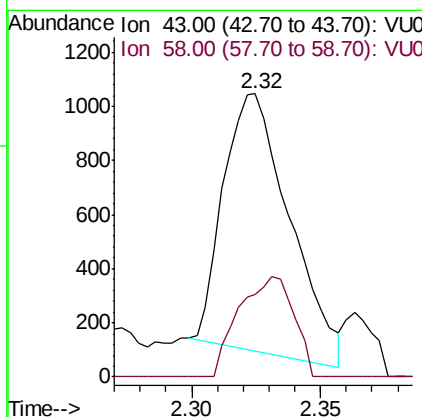
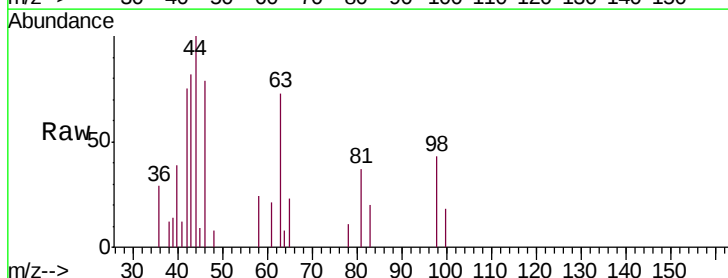
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1C0

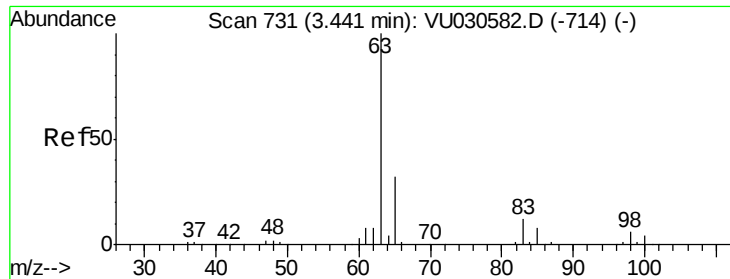
Tgt Ion: 96 Resp: 14179
 Ion Ratio Lower Upper
 96 100
 61 289.1 131.0 243.4#
 63 1025.8 92.4 171.6#



#13
 Acetone
 Concen: 0.491 ug/L
 RT: 2.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VU030589.D
 Acq: 31 Mar 2019 14:53

Tgt Ion: 43 Resp: 1688
 Ion Ratio Lower Upper
 43 100
 58 32.7 0.0 62.8

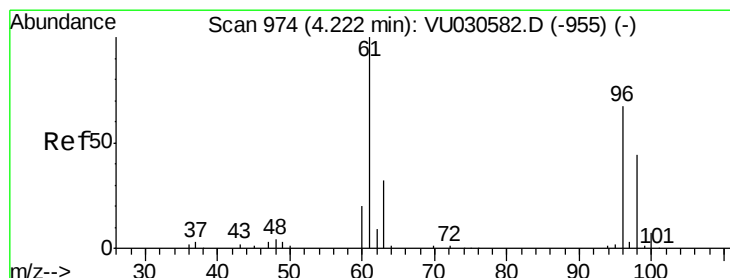
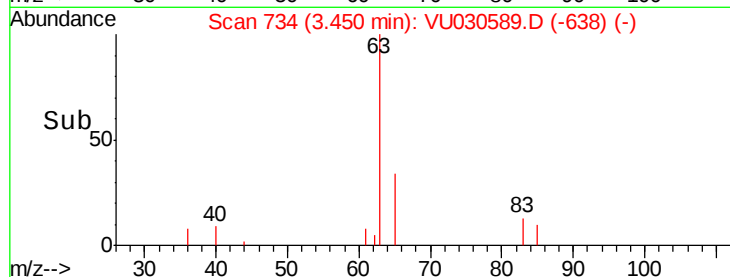
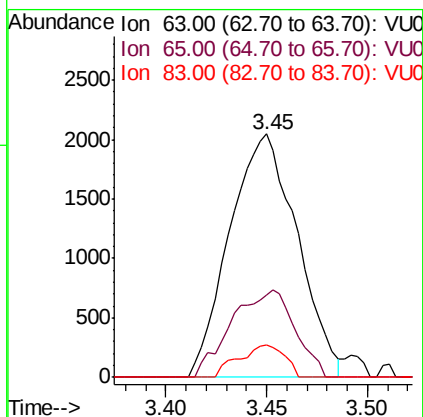
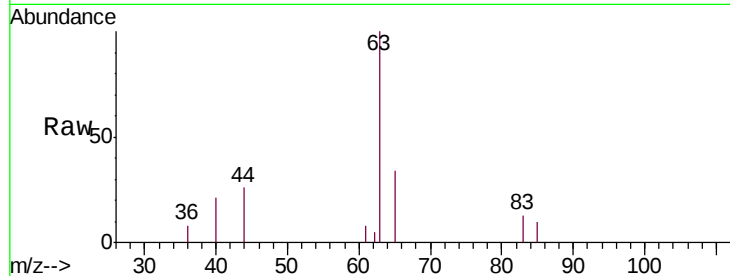




#19
 1,1-Dichloroethane
 Concen: 0.689 ug/L
 RT: 3.45 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VU030589.D
 Acq: 31 Mar 2019 14:53

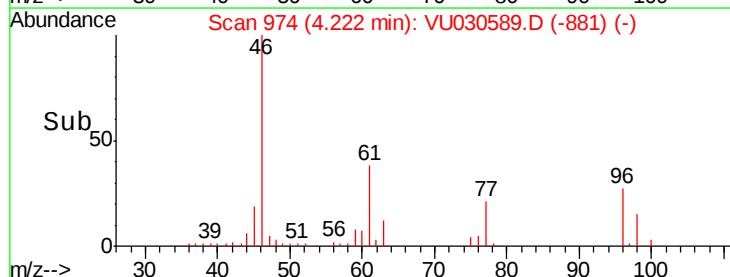
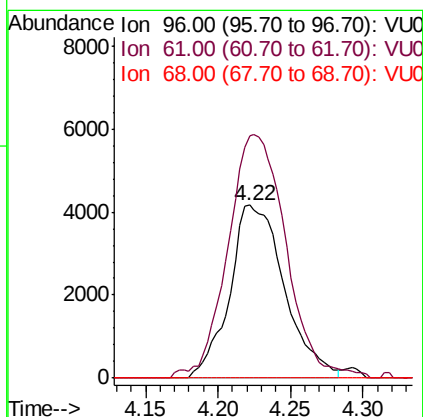
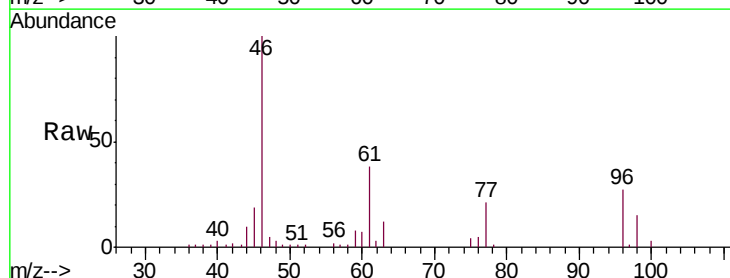
Instrument :
 MSVOA_U
 ClientSampled :
 BF1C0

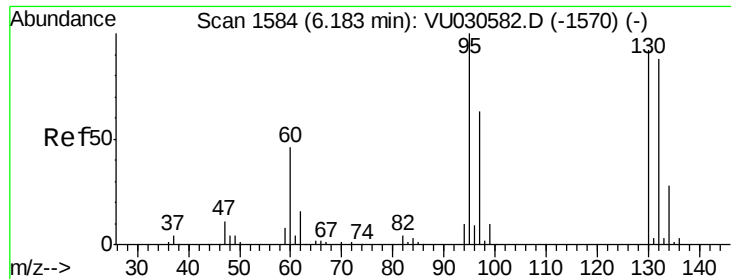
Tgt Ion: 63 Resp: 4773
 Ion Ratio Lower Upper
 63 100
 65 33.6 22.0 40.8
 83 13.2 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 2.900 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU030589.D
 Acq: 31 Mar 2019 14:53

Tgt Ion: 96 Resp: 10973
 Ion Ratio Lower Upper
 96 100
 61 140.0 98.4 182.8
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 4.083 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU030589.D

Acq: 31 Mar 2019 14:53

Instrument :

MSVOA_U

ClientSampleId :

BF1C0

Tgt Ion: 95 Resp: 14850

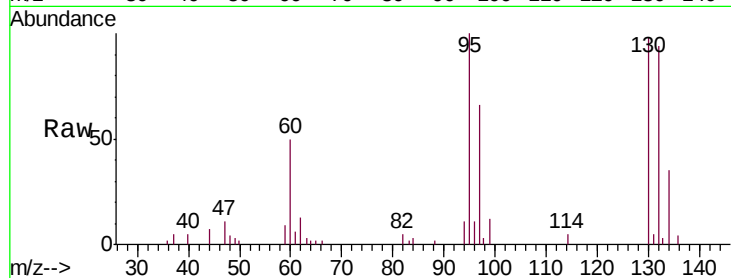
Ion Ratio Lower Upper

95 100

97 66.3 45.7 84.9

132 93.9 63.8 118.4

130 98.1 65.7 121.9

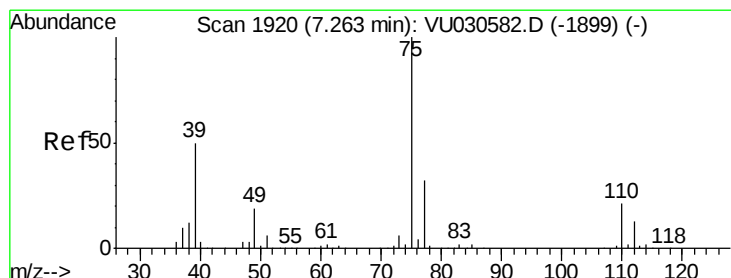
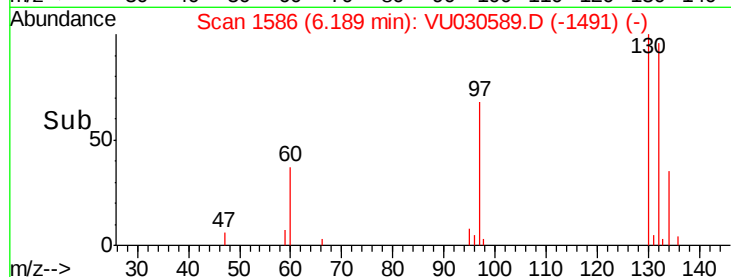
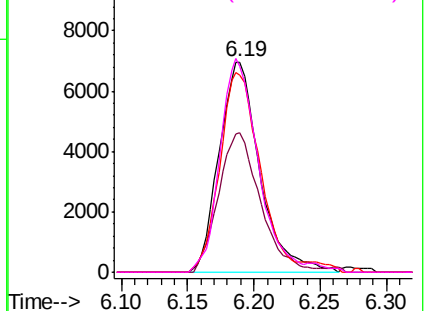


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.702 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU030589.D

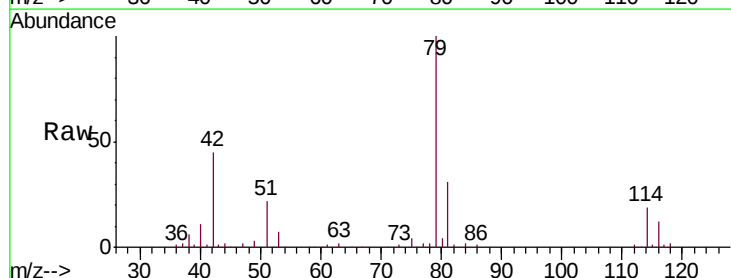
Acq: 31 Mar 2019 14:53

Tgt Ion: 75 Resp: 4237

Ion Ratio Lower Upper

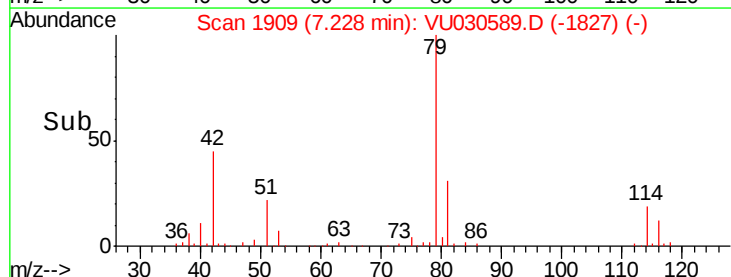
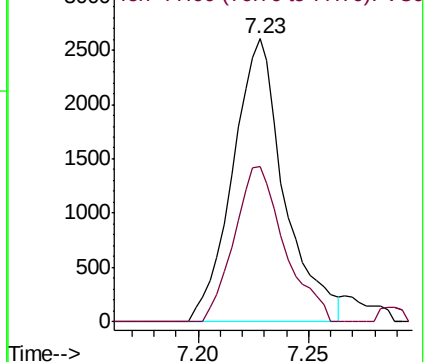
75 100

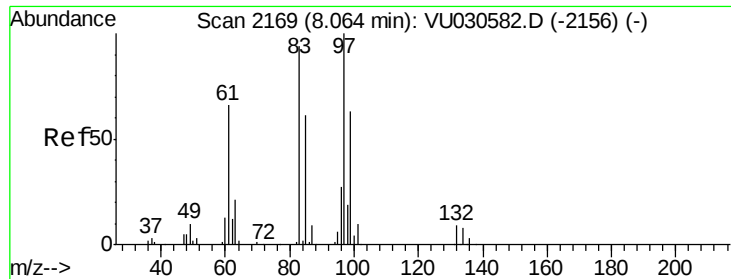
77 54.7 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

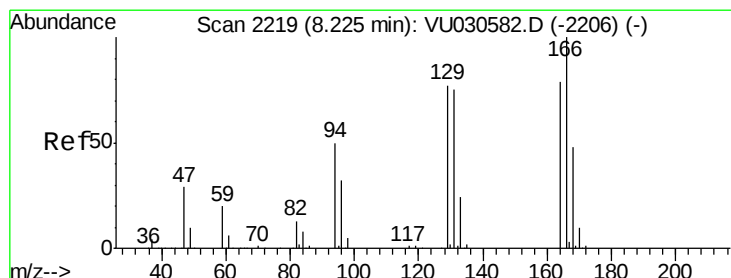
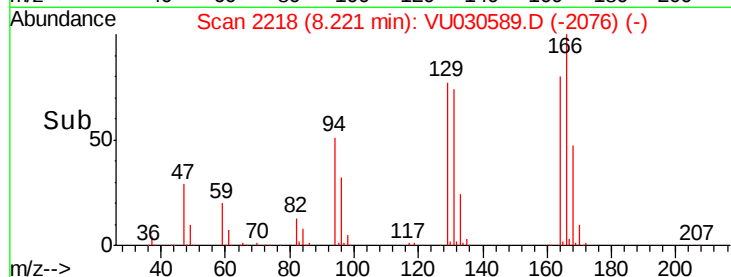
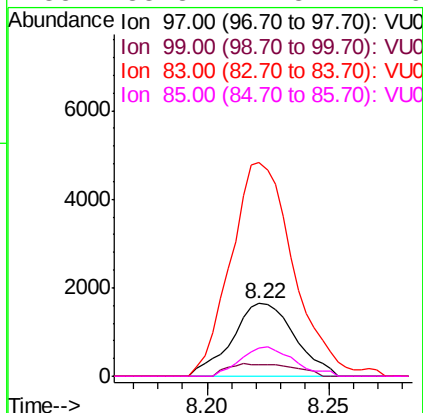
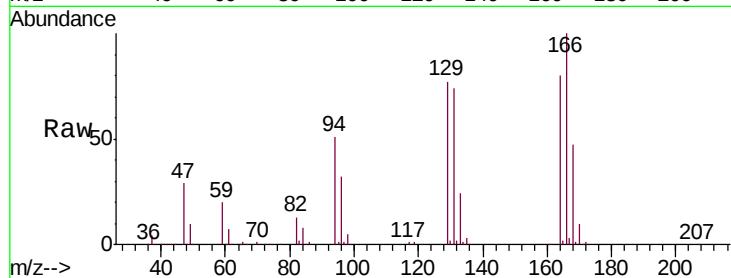




#45
 1,1,2-Trichloroethane
 Concen: 0.824 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.16 min
 Lab File: VU030589.D
 Acq: 31 Mar 2019 14:53

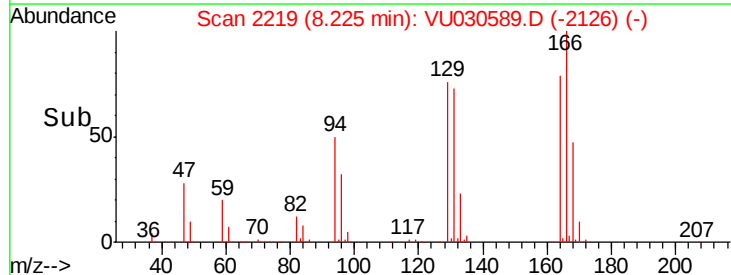
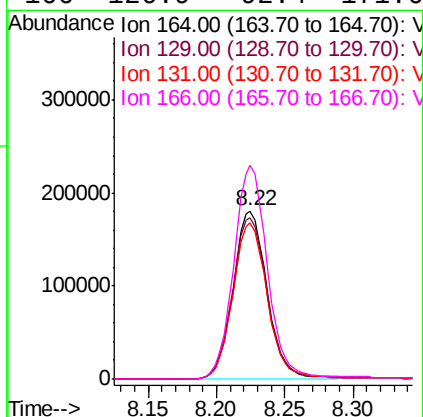
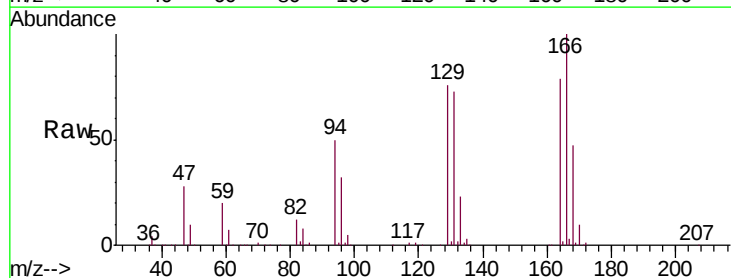
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1C0

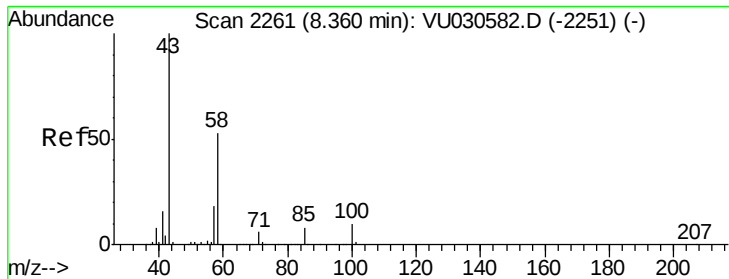
Tgt Ion: 97 Resp: 2924
 Ion Ratio Lower Upper
 97 100
 99 16.0 44.0 81.8#
 83 294.0 65.3 121.3#
 85 38.3 41.8 77.6#



#46
 Tetrachloroethene
 Concen: 123.185 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030589.D
 Acq: 31 Mar 2019 14:53

Tgt Ion: 164 Resp: 312944
 Ion Ratio Lower Upper
 164 100
 129 96.1 68.1 126.5
 131 92.8 67.7 125.7
 166 126.9 92.4 171.6

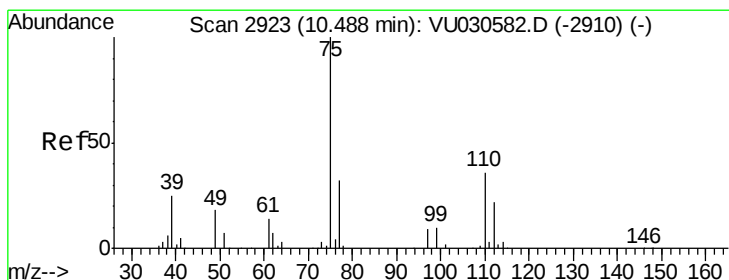
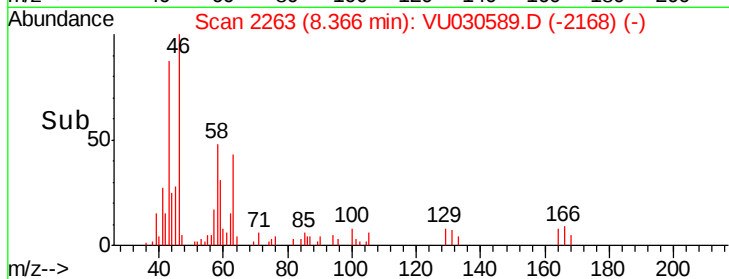
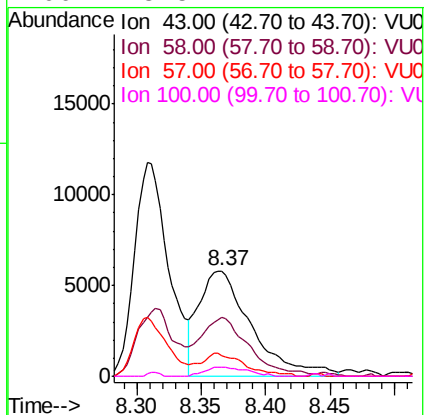
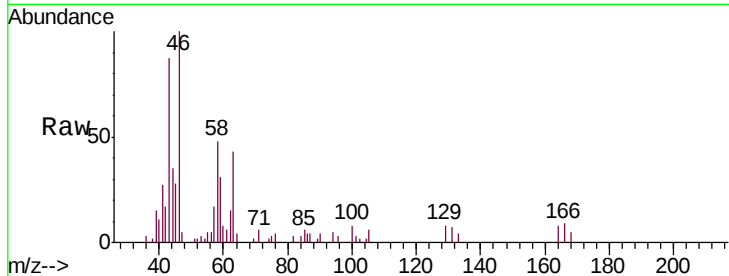




#48
2-Hexanone
Concen: 2.842 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030589.D
Acq: 31 Mar 2019 14:53

Instrument :
MSVOA_U
ClientSampleId :
BF1C0

Tgt Ion: 43 Resp: 16428
Ion Ratio Lower Upper
43 100
58 44.0 42.5 63.7
57 13.4 15.0 22.6#
100 5.5 7.4 11.2#



#59
1,2,3-Trichloropropane
Concen: 4.665 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU030589.D
Acq: 31 Mar 2019 14:53

Tgt Ion: 75 Resp: 23839
Ion Ratio Lower Upper
75 100
77 35.5 25.4 38.2

