

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031019.D
 Acq On : 10 Apr 2019 18:26
 Operator : JC/SP
 Sample : K2249-12DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD6DL

Quant Time: Apr 11 05:22:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	452556	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	442466	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	180716	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	216806	53.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.34%
7) Chloroethane-d5	1.68	69	172843	56.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.74%
11) 1,1-Dichloroethene-d2	2.27	63	302675	41.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.84%
21) 2-Butanone-d5	4.17	46	354905	110.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.85%
24) Chloroform-d	4.64	84	342866	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.12%
26) 1,2-Dichloroethane-d4	5.30	65	240490	57.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.22%
32) Benzene-d6	5.34	84	708359	54.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.68%
36) 1,2-Dichloropropane-d6	6.33	67	239055	54.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.00%
41) Toluene-d8	7.56	98	597024	52.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.30%
43) trans-1,3-Dichloropropene-	7.85	79	101069	50.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.14%
47) 2-Hexanone-d5	8.31	63	200937	99.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	329410	55.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.34%
64) 1,2-Dichlorobenzene-d4	11.85	152	207077	58.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.52%

Target Compounds

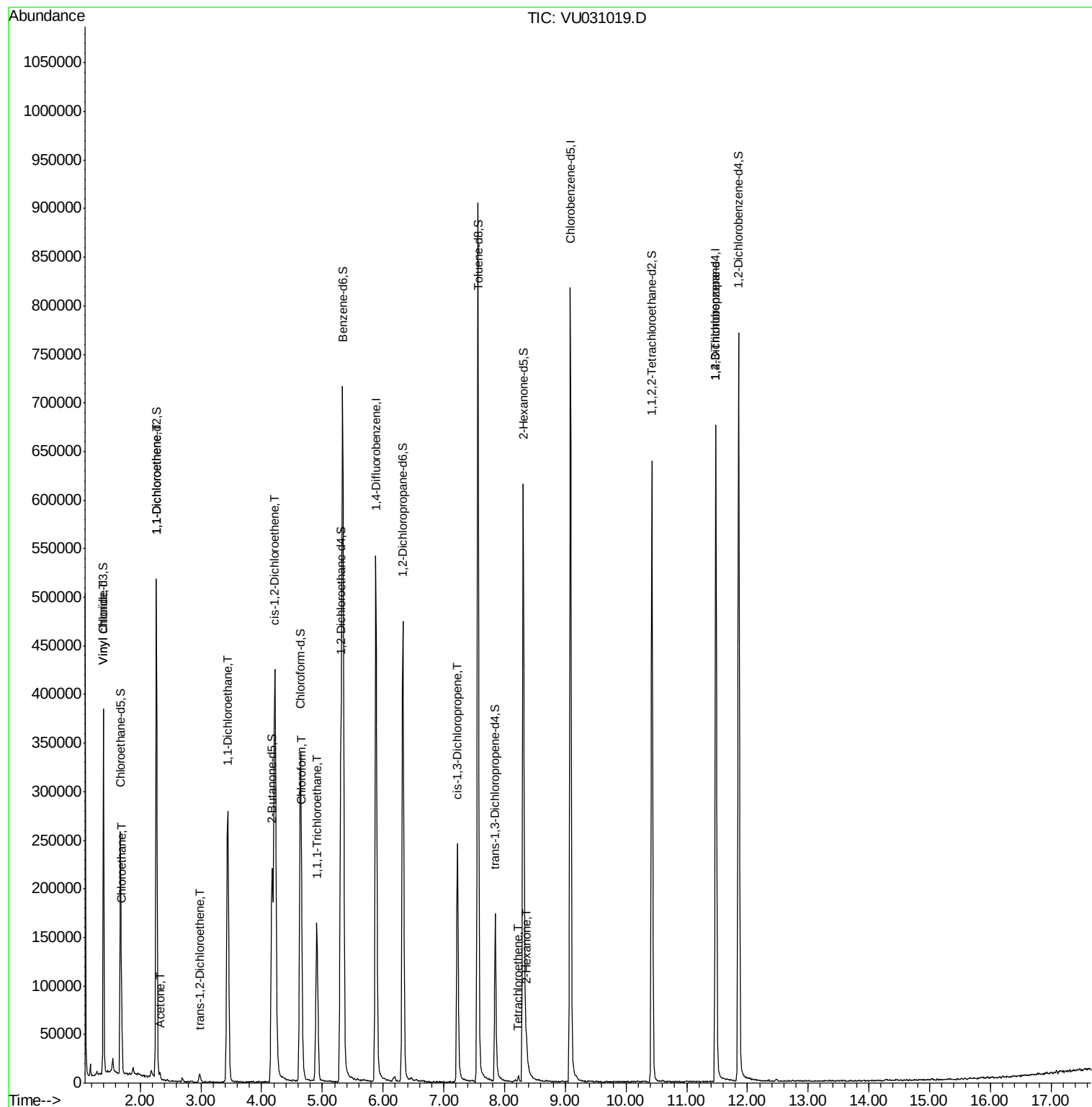
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	25289	5.081	ug/L #	72
8) Chloroethane	1.70	64	26578	9.362	ug/L	100
12) 1,1-Dichloroethene	2.28	96	5614	1.795	ug/L #	1
13) Acetone	2.32	43	2717	0.829	ug/L	67
17) trans-1,2-Dichloroethene	2.99	96	3316	0.998	ug/L #	68
19) 1,1-Dichloroethane	3.44	63	314727	45.914	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	226546	61.770	ug/L	93
25) Chloroform	4.67	83	17650	2.562	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	125665	23.304	ug/L	99
39) cis-1,3-Dichloropropene	7.22	75	6287	1.077	ug/L	90
46) Tetrachloroethene	8.23	164	1556	0.603	ug/L #	61
48) 2-Hexanone	8.36	43	15432	3.000	ug/L #	50
59) 1,2,3-Trichloropropane	11.48	75	21237	4.325	ug/L	92

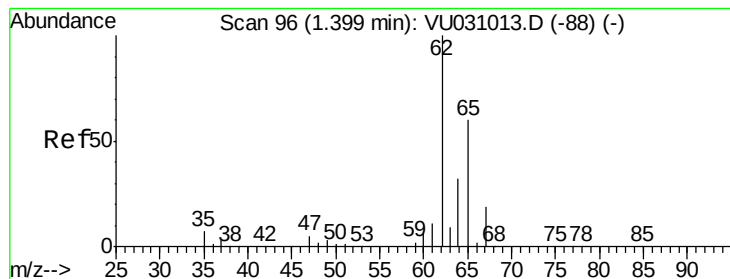
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.081 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

Instrument :

MSVOA_U

ClientSampleId :

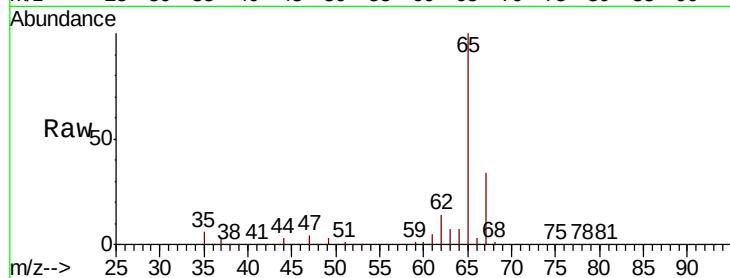
E3YD6DL

Tot Ion: 62 Resp: 25289

Ion Ratio Lower Upper

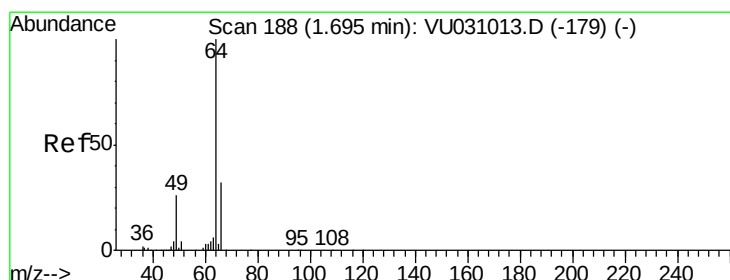
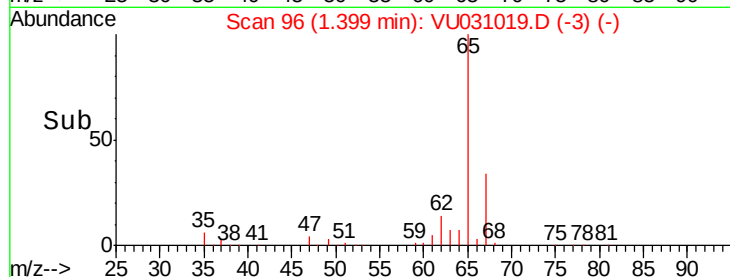
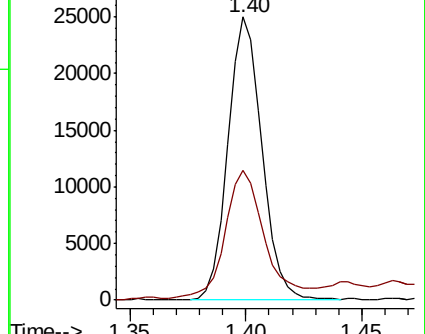
62 100

64 45.9 21.5 39.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 9.362 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031019.D

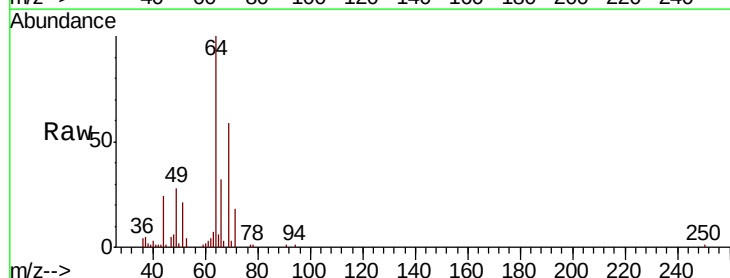
Acq: 10 Apr 2019 18:26

Tgt Ion: 64 Resp: 26578

Ion Ratio Lower Upper

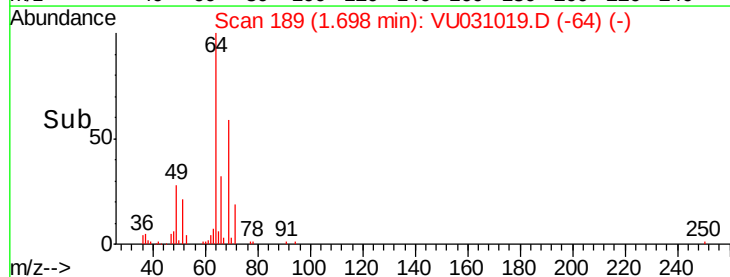
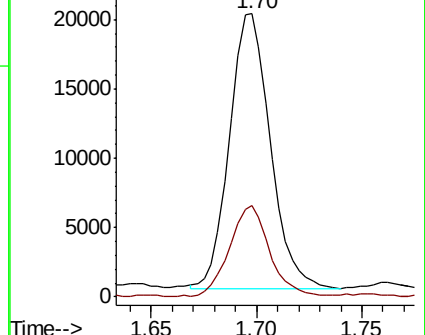
64 100

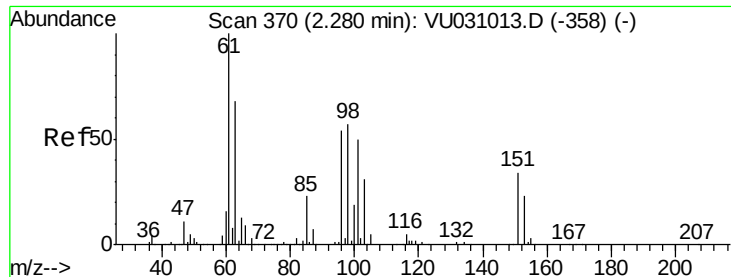
66 32.1 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

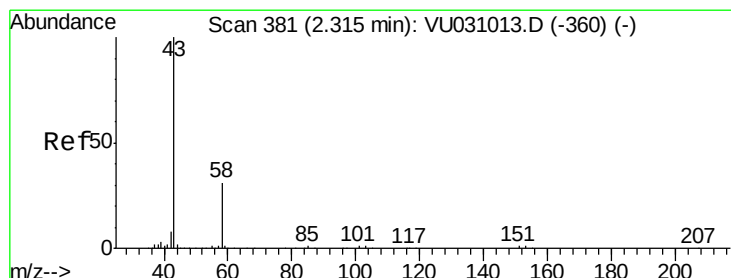
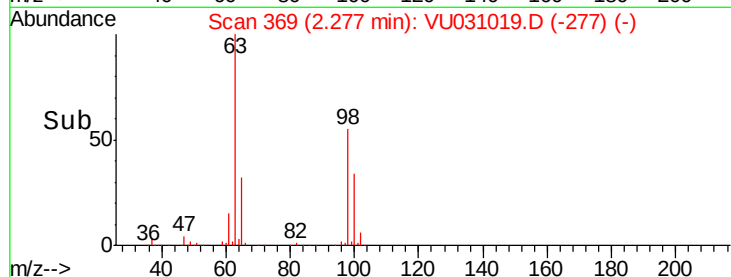
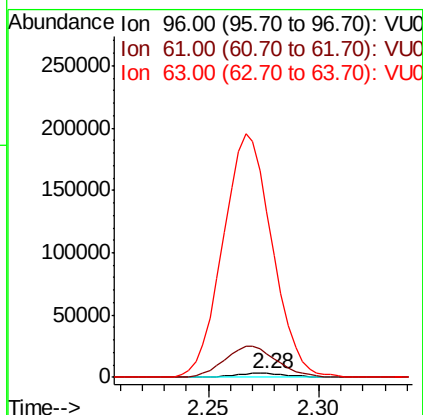
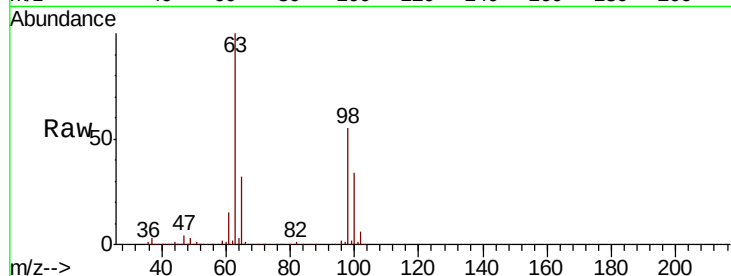




#12
 1,1-Dichloroethene
 Concen: 1.795 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VU031019.D
 Acq: 10 Apr 2019 18:26

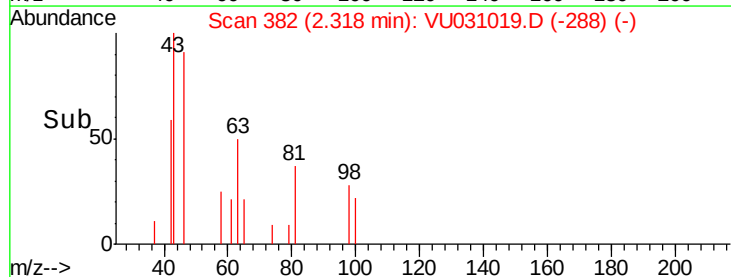
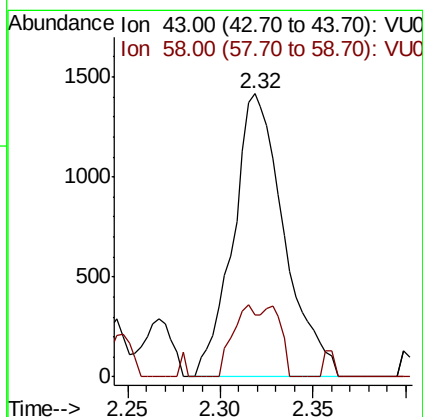
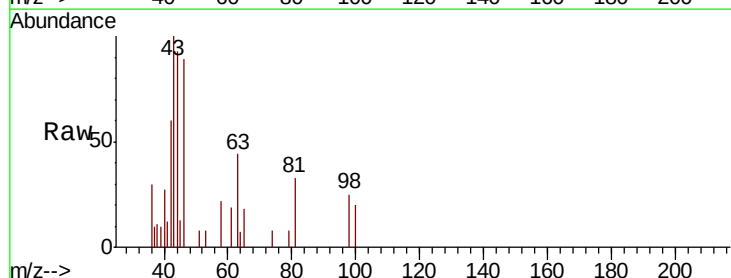
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD6DL

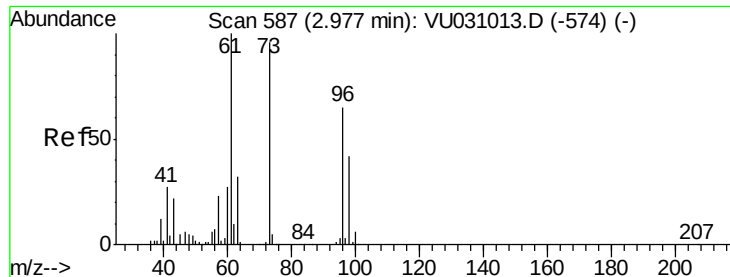
Tot Ion: 96 Resp: 5614
 Ion Ratio Lower Upper
 96 100
 61 594.6 132.0 245.2#
 63 4086.9 90.9 168.9#



#13
 Acetone
 Concen: 0.829 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU031019.D
 Acq: 10 Apr 2019 18:26

Tgt Ion: 43 Resp: 2717
 Ion Ratio Lower Upper
 43 100
 58 13.5 0.0 64.0





#17

trans-1,2-Dichloroethene

Concen: 0.998 ug/L

RT: 2.99 min Scan# 591

Delta R.T. 0.01 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

Instrument :

MSVOA_U

ClientSampleId :

E3YD6DL

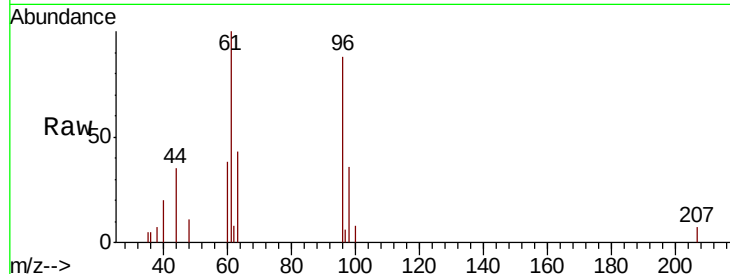
Tot Ion: 96 Resp: 3316

Ion Ratio Lower Upper

96 100

61 113.0 109.5 203.3

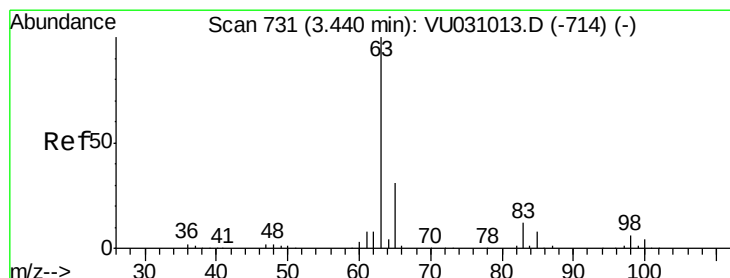
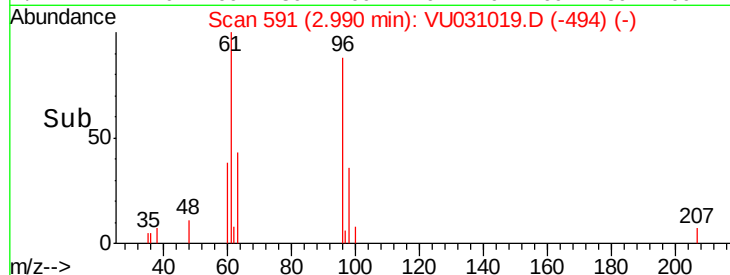
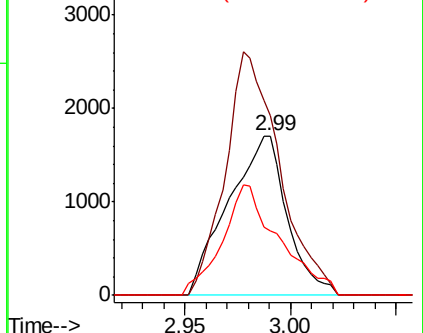
98 40.5 44.0 81.6#



Abundance Ion 96.00 (95.70 to 96.70): VU031019.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031019.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031019.D (-494) (-)



#19

1,1-Dichloroethane

Concen: 45.914 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

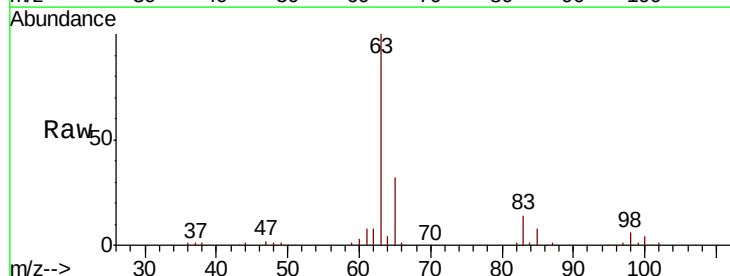
Tgt Ion: 63 Resp: 314727

Ion Ratio Lower Upper

63 100

65 31.8 21.4 39.8

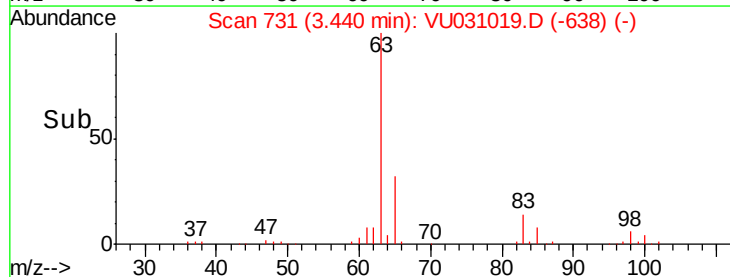
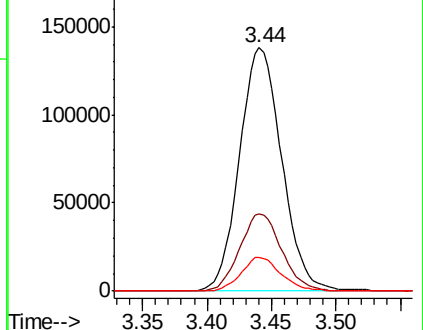
83 14.0 8.5 15.7

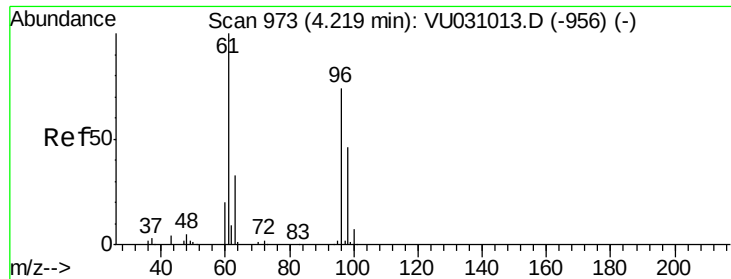


Abundance Ion 63.00 (62.70 to 63.70): VU031019.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU031019.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU031019.D (-638) (-)

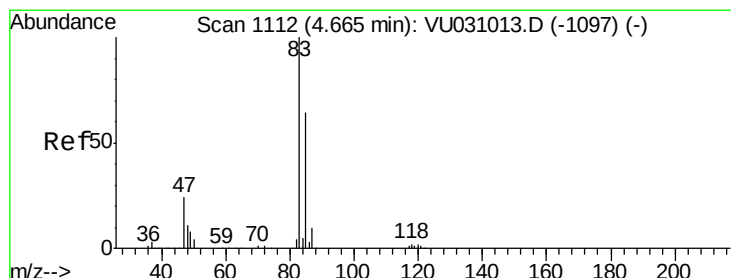
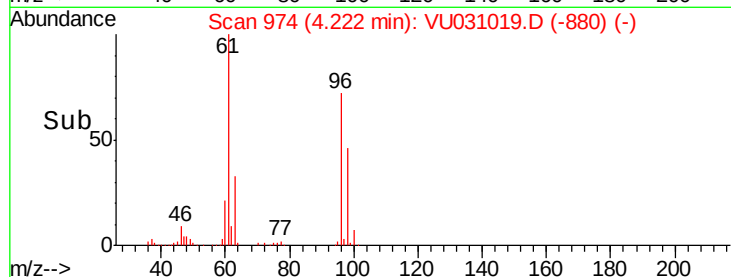
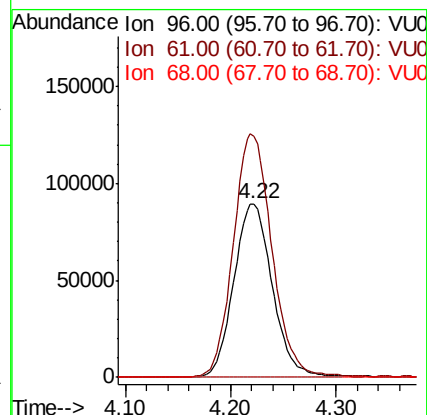
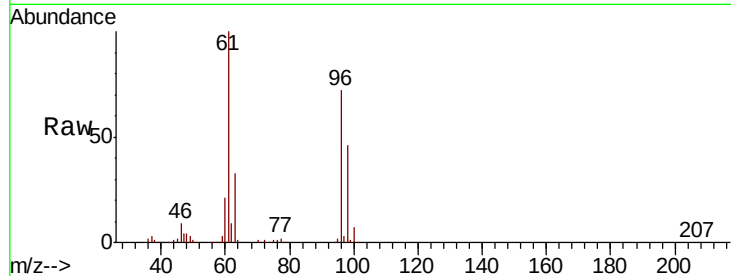




#20
 cis-1,2-Dichloroethene
 Concen: 61.770 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031019.D
 Acq: 10 Apr 2019 18:26

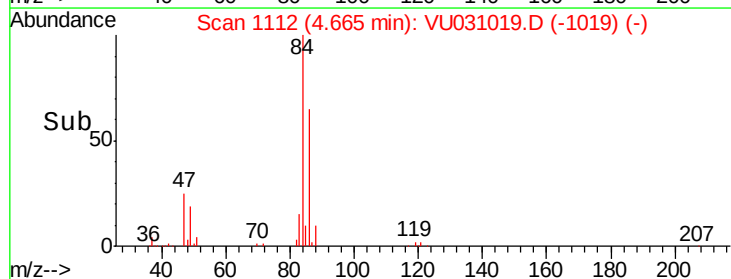
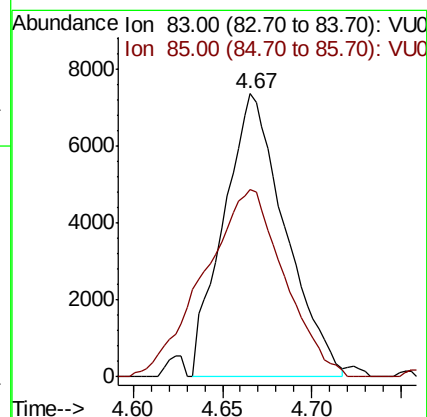
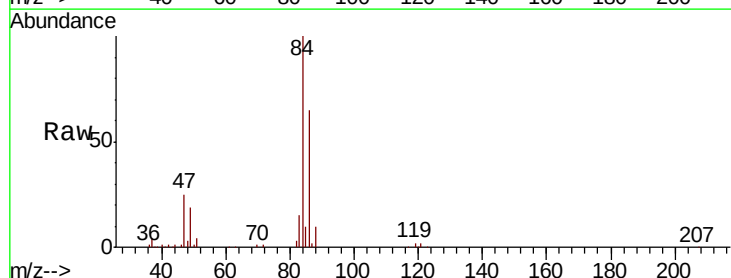
Instrument :
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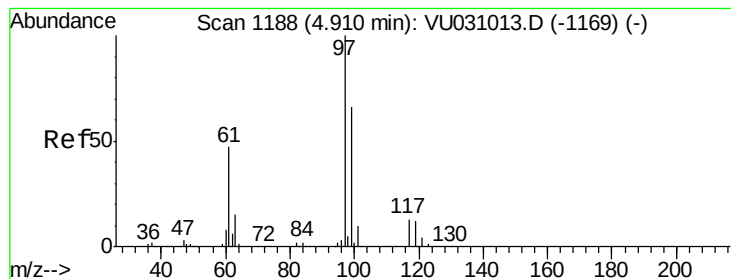
Tot Ion: 96 Resp: 226546
 Ion Ratio Lower Upper
 96 100
 61 138.8 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 2.562 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VU031019.D
 Acq: 10 Apr 2019 18:26

Tgt Ion: 83 Resp: 17650
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.8 85.0





#30

1,1,1-Trichloroethane

Concen: 23.304 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

Instrument :

MSVOA_U

ClientSampleId :

E3YD6DL

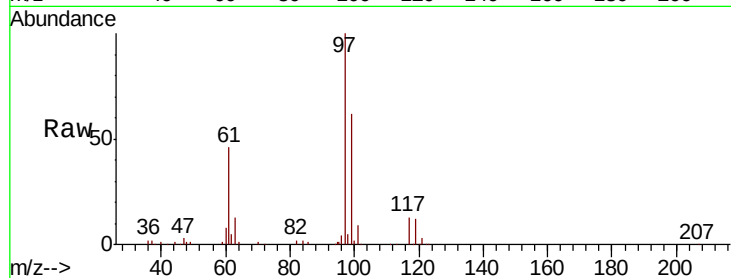
Tot Ion: 97 Resp: 125665

Ion Ratio Lower Upper

97 100

99 63.4 51.4 77.2

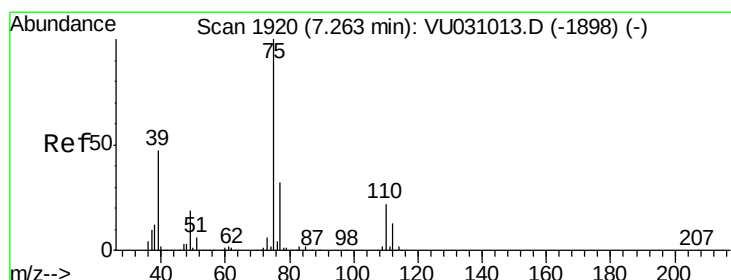
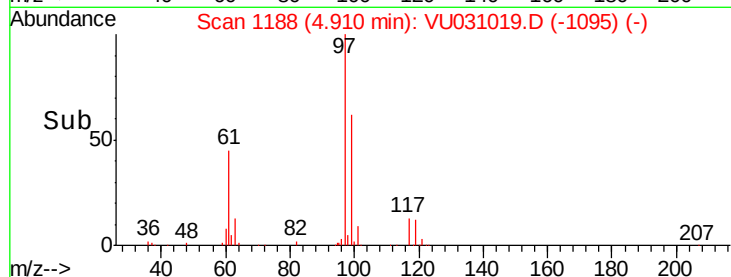
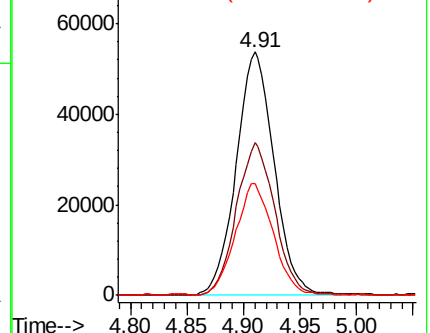
61 45.8 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0



#39

cis-1,3-Dichloropropene

Concen: 1.077 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031019.D

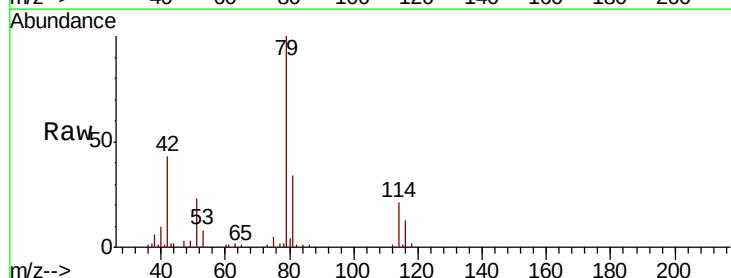
Acq: 10 Apr 2019 18:26

Tgt Ion: 75 Resp: 6287

Ion Ratio Lower Upper

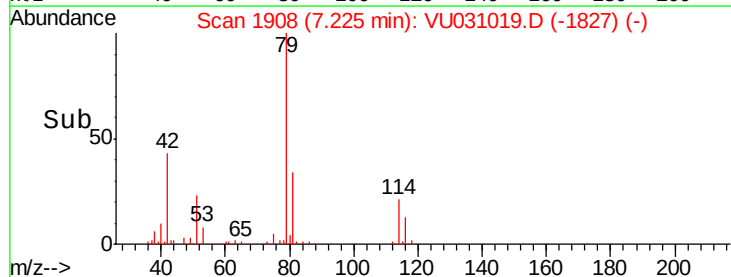
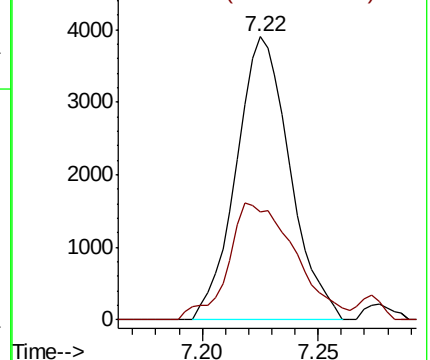
75 100

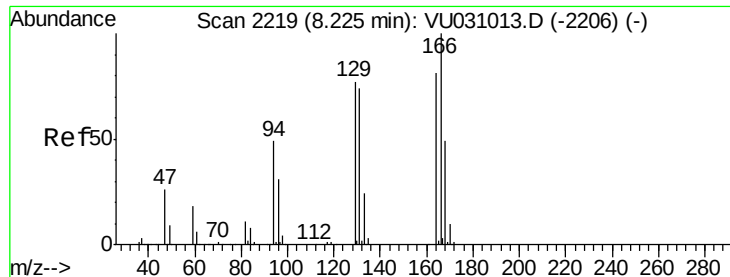
77 38.4 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 0.603 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

Instrument :

MSVOA_U

ClientSampleId :

E3YD6DL

Tot Ion:164 Resp: 1556

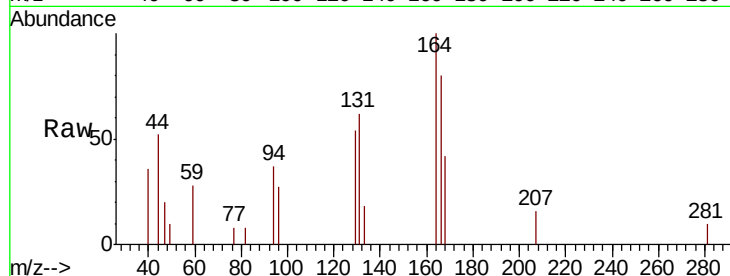
Ion Ratio Lower Upper

164 100

129 53.6 67.4 125.2#

131 62.3 65.9 122.5#

166 79.7 88.6 164.6#

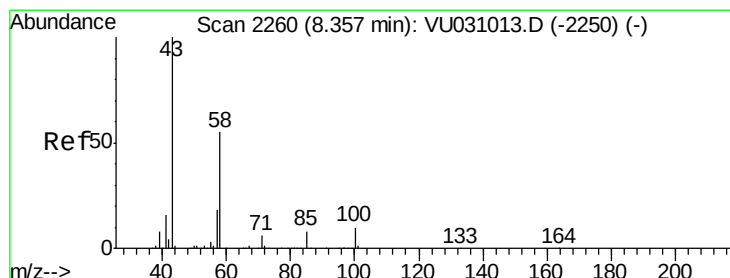
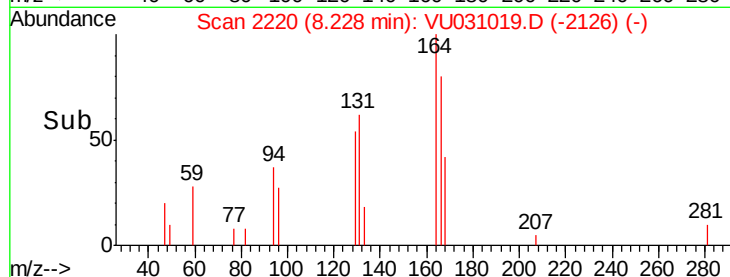
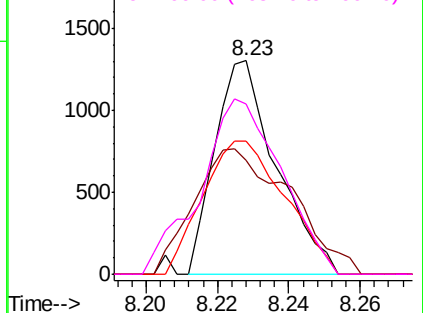


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.000 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

Tgt Ion: 43 Resp: 15432

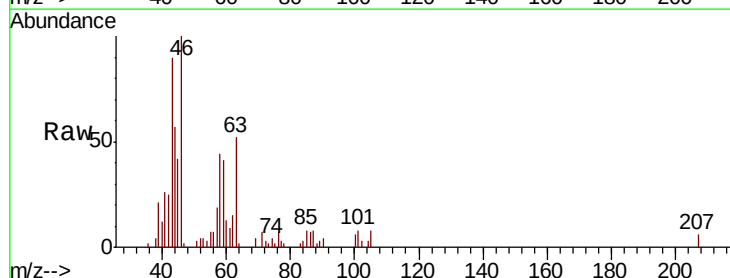
Ion Ratio Lower Upper

43 100

58 6.5 41.9 62.9#

57 9.6 14.3 21.5#

100 0.5 7.1 10.7#

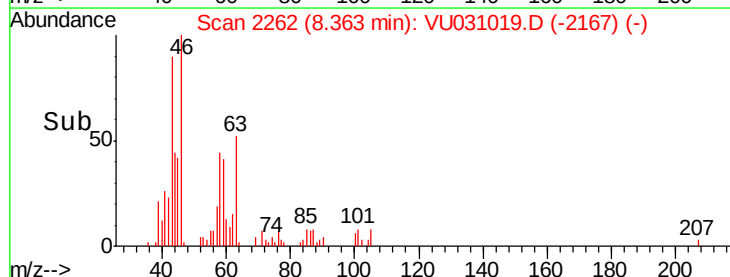
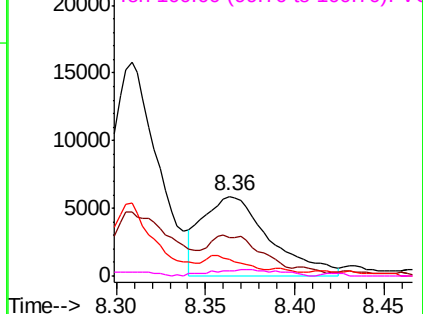


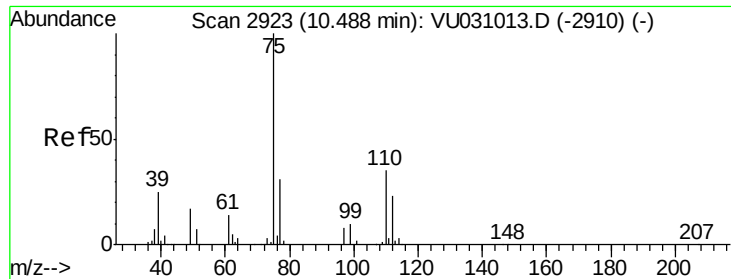
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.325 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

Instrument :

MSVOA_U

ClientSampleId :

E3YD6DL

Tot Ion: 75 Resp: 21237

Ion Ratio Lower Upper

75 100

77 37.1 26.1 39.1

