

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
 Data File : VU031230.D
 Acq On : 16 Apr 2019 23:05
 Operator : JC/SP
 Sample : K2339-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC39

Quant Time: Apr 17 05:26:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 04:13:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	489078	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	476643	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194726	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	200338	44.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.96%
7) Chloroethane-d5	1.68	69	169946	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.92%
11) 1,1-Dichloroethene-d2	2.28	63	943785	105.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	211.54%#
21) 2-Butanone-d5	4.19	46	308432	94.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.02%
24) Chloroform-d	4.64	84	317400	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.46%
26) 1,2-Dichloroethane-d4	5.31	65	210064	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
32) Benzene-d6	5.34	84	653929	43.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.33	67	212188	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.78%
41) Toluene-d8	7.56	98	569175	42.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.86%
43) trans-1,3-Dichloropropene-	7.85	79	93141	39.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.68%
47) 2-Hexanone-d5	8.31	63	207151	89.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.73%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290289	42.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.52%
64) 1,2-Dichlorobenzene-d4	11.85	152	201442	45.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.22%

Target Compounds

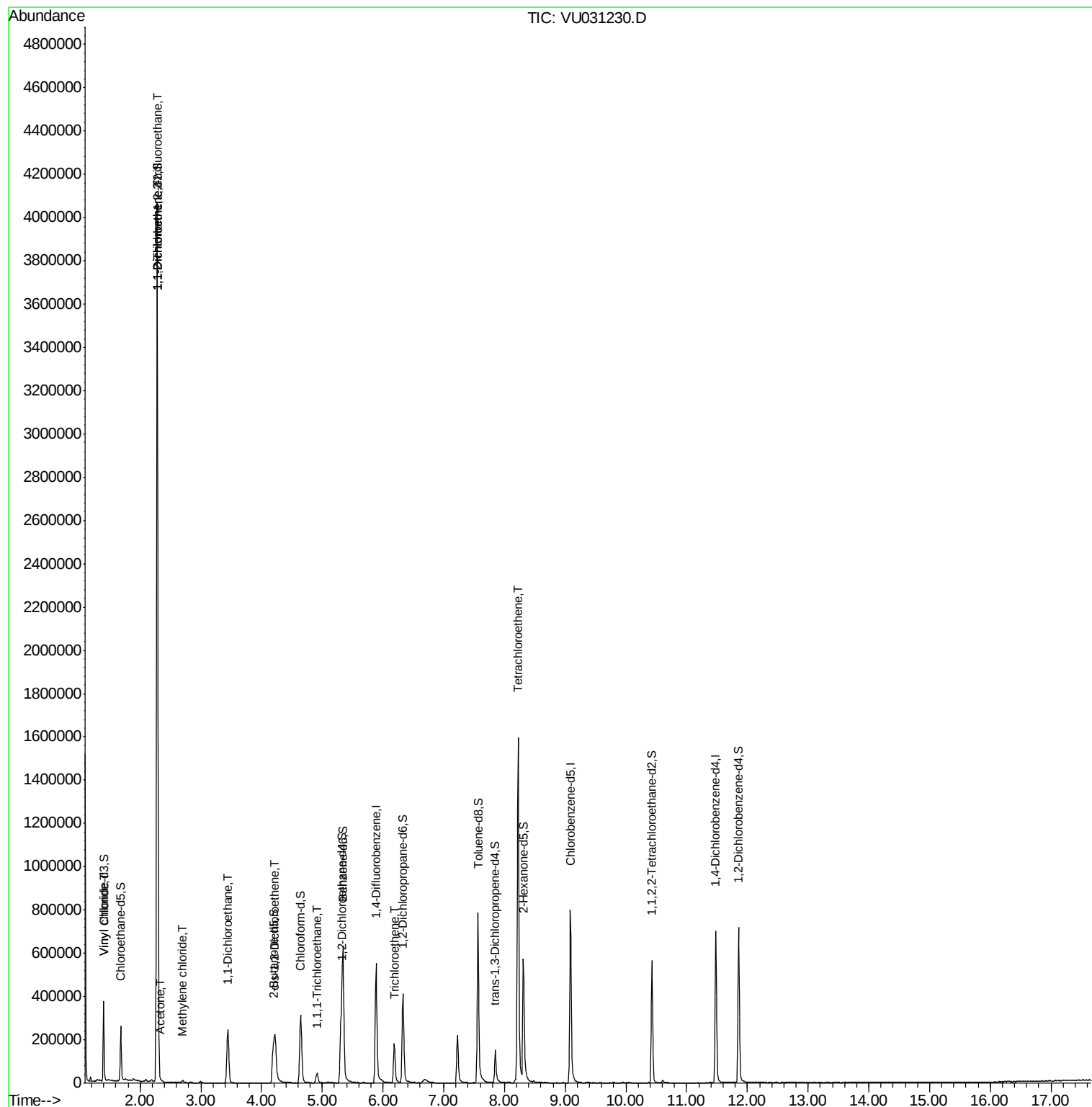
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	52868	9.878	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	14823	3.803	ug/L #	72
12) 1,1-Dichloroethene	2.28	96	1191219	311.633	ug/L #	66
13) Acetone	2.35	43	7386	2.926	ug/L	89
16) Methylene chloride	2.70	84	5005	1.342	ug/L	98
19) 1,1-Dichloroethane	3.44	63	275319	39.770	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	92642	22.856	ug/L	92
30) 1,1,1-Trichloroethane	4.91	97	35834	5.682	ug/L	99
34) Trichloroethene	6.18	95	68057	16.967	ug/L	98
46) Tetrachloroethene	8.22	164	397009	131.590	ug/L	97

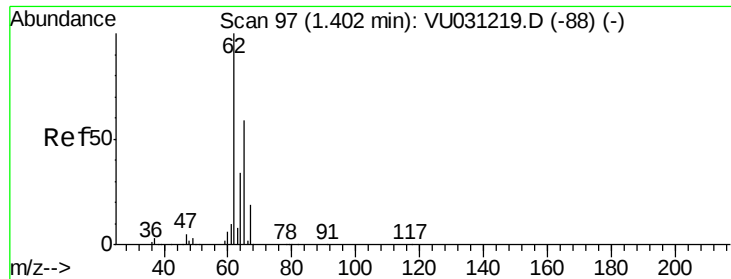
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.878 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU031230.D

Acq: 16 Apr 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

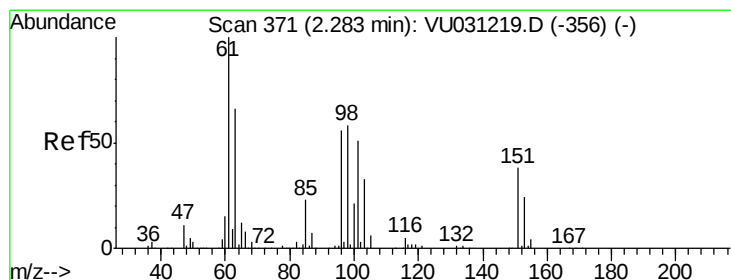
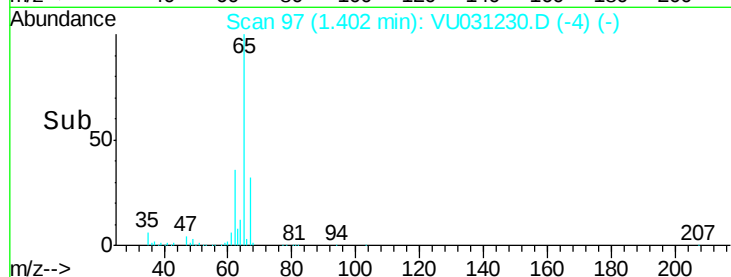
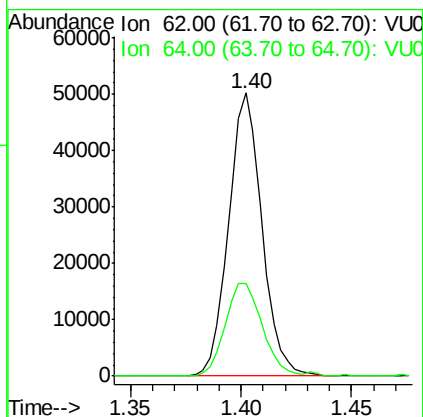
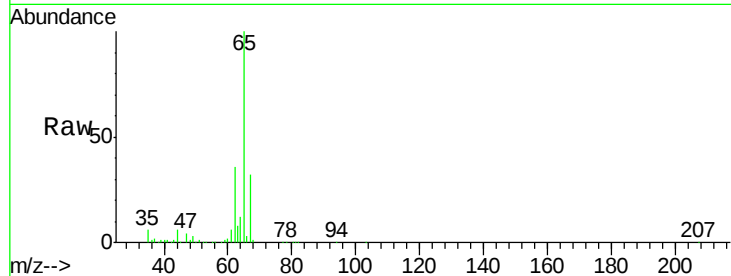
BFC39

Tot Ion: 62 Resp: 52868

Ion Ratio Lower Upper

62 100

64 32.6 21.8 40.6



#10

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

Concen: 3.803 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031230.D

Acq: 16 Apr 2019 23:05

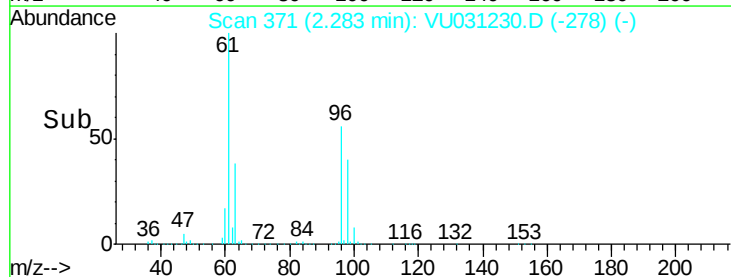
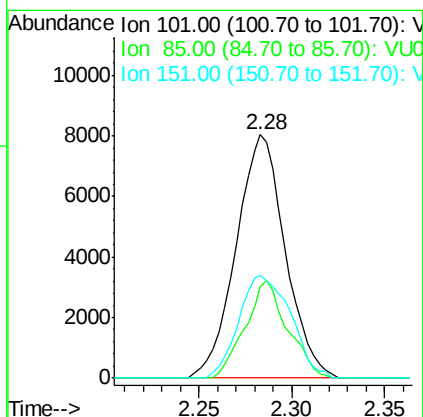
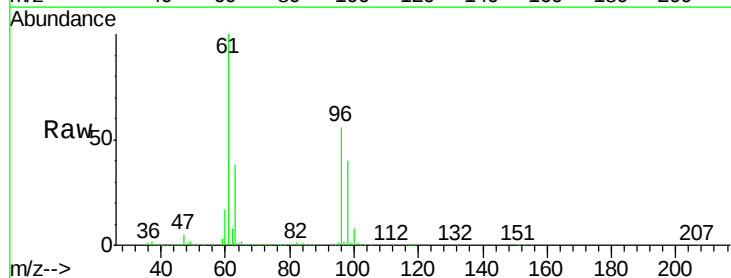
Tgt Ion: 101 Resp: 14823

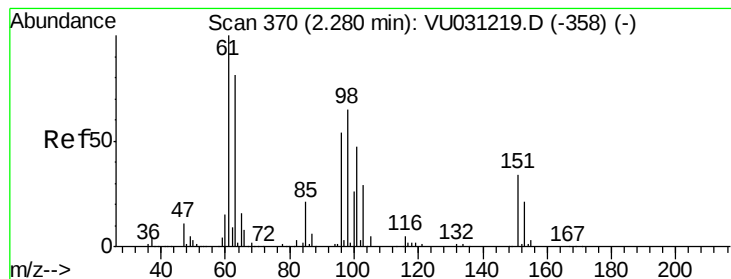
Ion Ratio Lower Upper

101 100

85 34.6 35.4 53.0#

151 44.5 59.8 89.8#





#12

1,1-Dichloroethene

Concen: 311.633 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031230.D

Acq: 16 Apr 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

BFC39

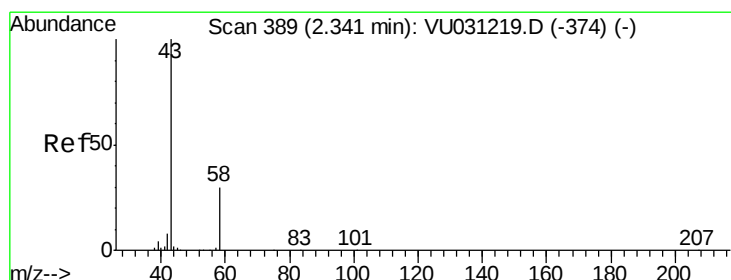
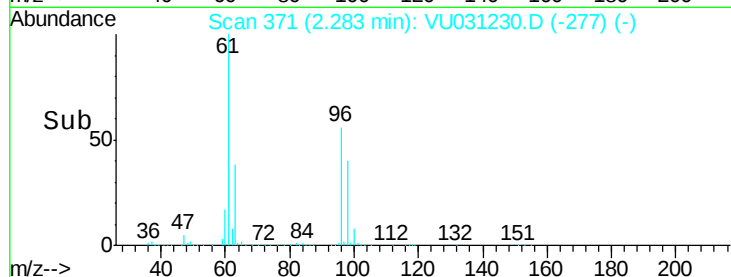
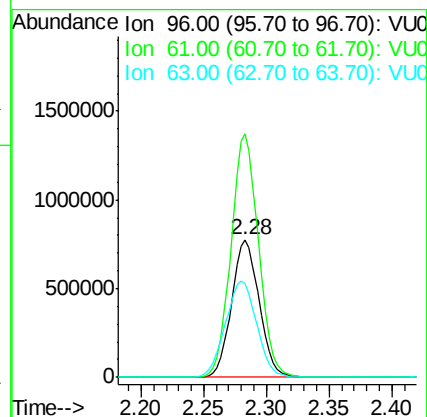
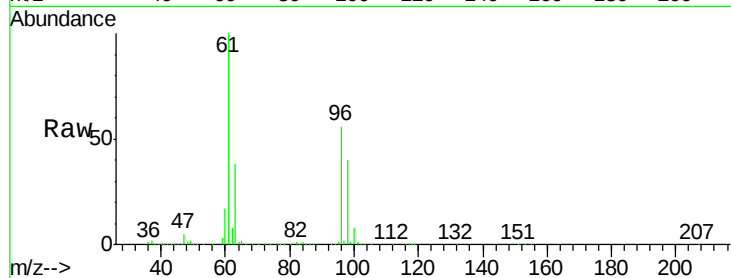
Tot Ion: 96 Resp: 1191219

Ion Ratio Lower Upper

96 100

61 177.0 130.4 242.2

63 67.9 108.9 202.3#



#13

Acetone

Concen: 2.926 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.01 min

Lab File: VU031230.D

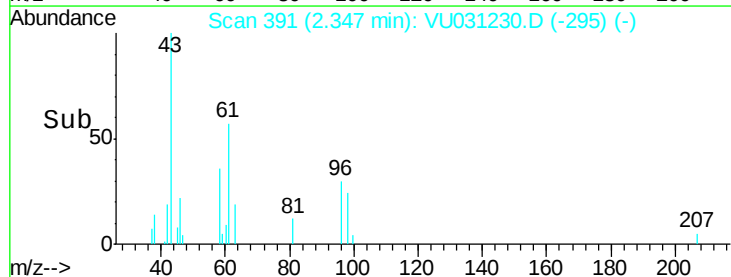
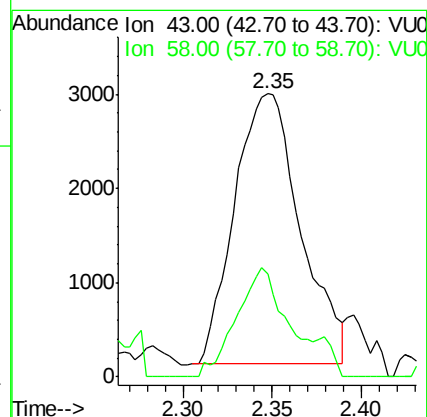
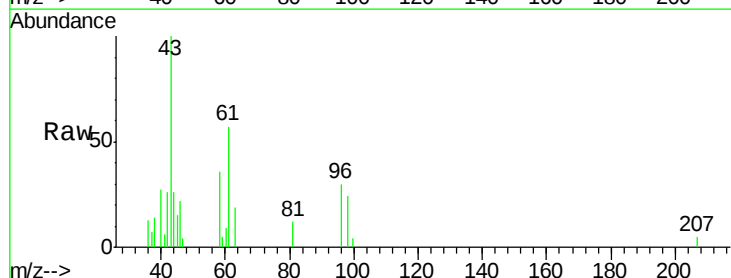
Acq: 16 Apr 2019 23:05

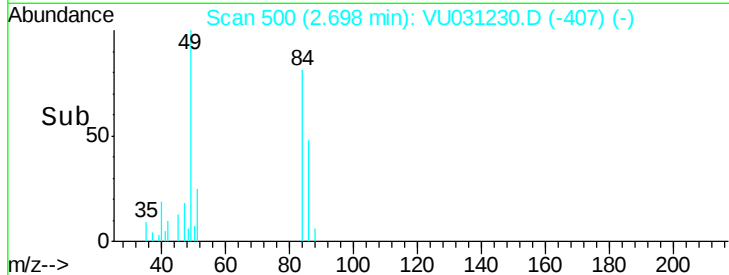
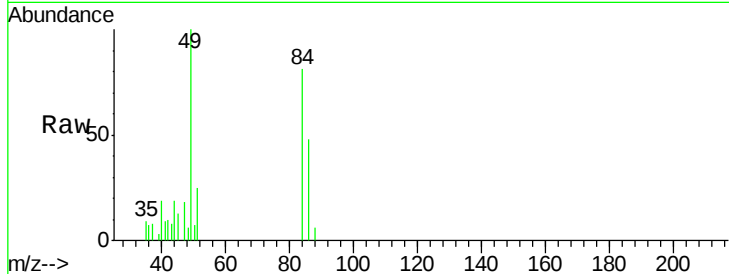
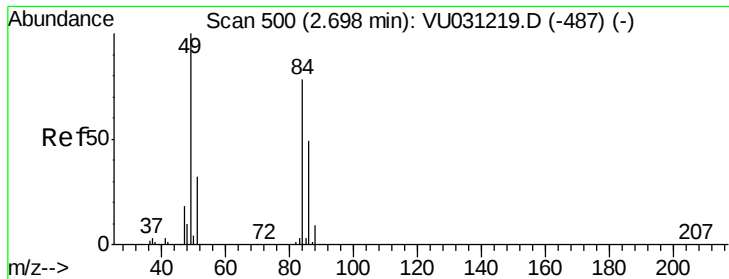
Tgt Ion: 43 Resp: 7386

Ion Ratio Lower Upper

43 100

58 26.2 0.0 65.0

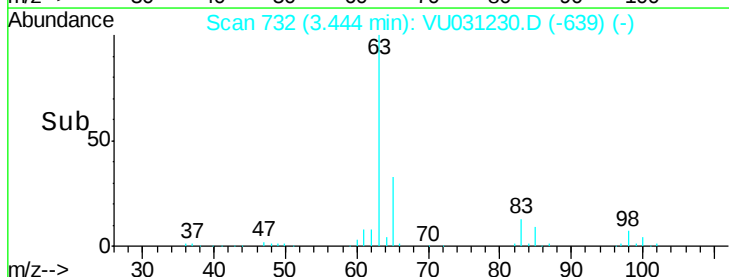
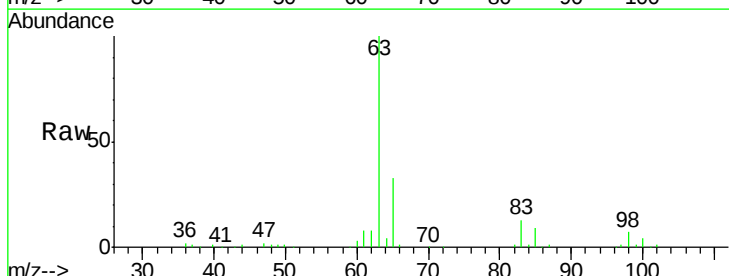
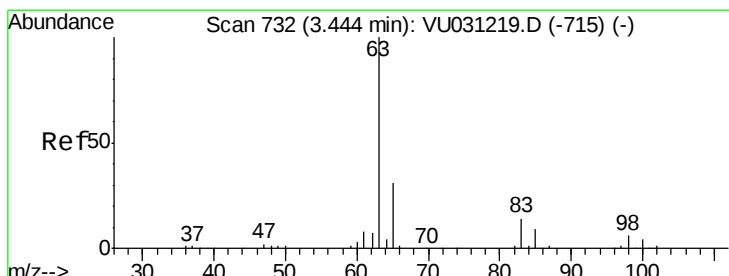
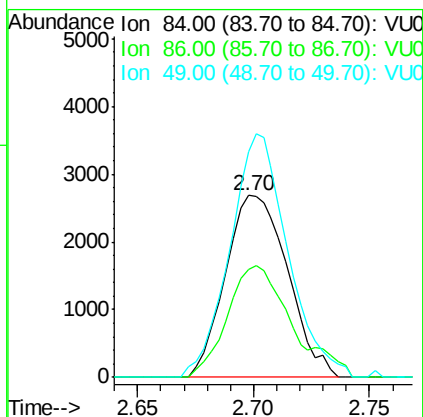




#16
Methvlene chloride
Concen: 1.342 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU031230.D
Acq: 16 Apr 2019 23:05

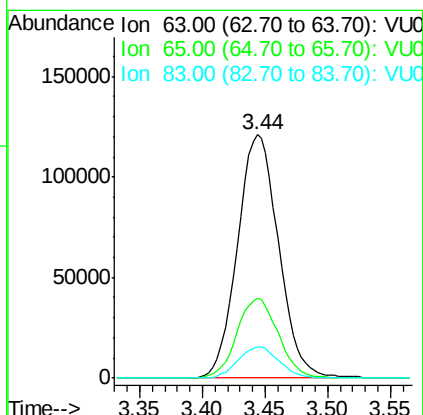
Instrument :
MSVOA_U
ClientSampleId :
BFC39

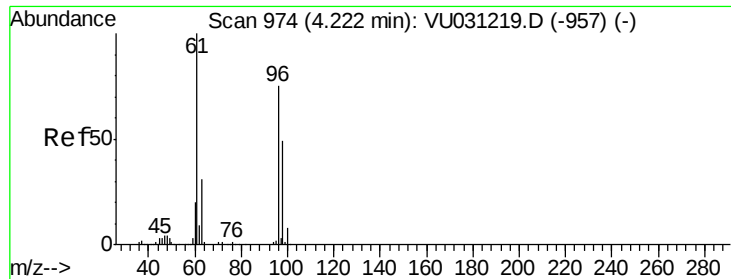
Tot Ion: 84 Resp: 5005
Ion Ratio Lower Upper
84 100
86 59.5 44.0 81.8
49 123.9 88.0 163.4



#19
1,1-Dichloroethane
Concen: 39.770 ug/L
RT: 3.44 min Scan# 732
Delta R.T. -0.00 min
Lab File: VU031230.D
Acq: 16 Apr 2019 23:05

Tgt Ion: 63 Resp: 275319
Ion Ratio Lower Upper
63 100
65 32.9 22.8 42.4
83 12.8 9.7 17.9





#20

cis-1,2-Dichloroethene

Concen: 22.856 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU031230.D

Acq: 16 Apr 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

BFC39

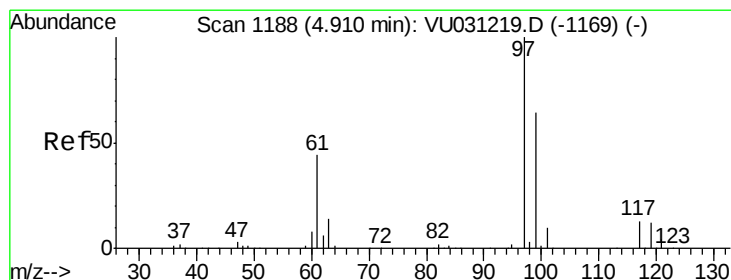
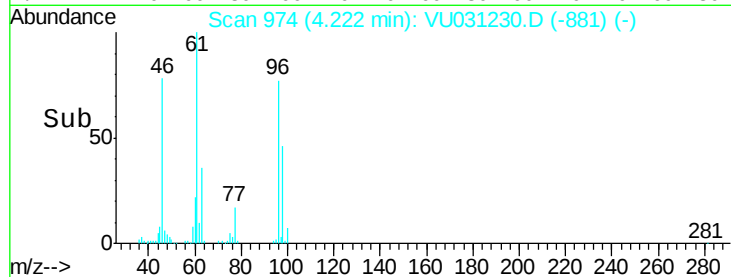
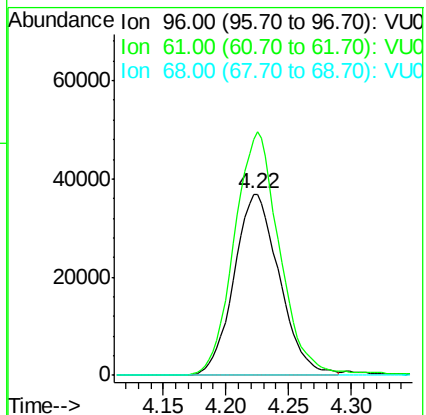
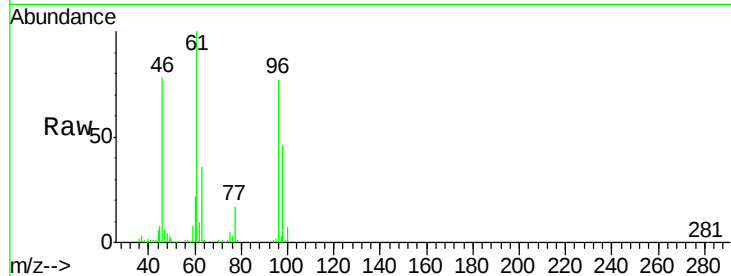
Tot Ion: 96 Resp: 92642

Ion Ratio Lower Upper

96 100

61 130.6 98.2 182.4

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 5.682 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU031230.D

Acq: 16 Apr 2019 23:05

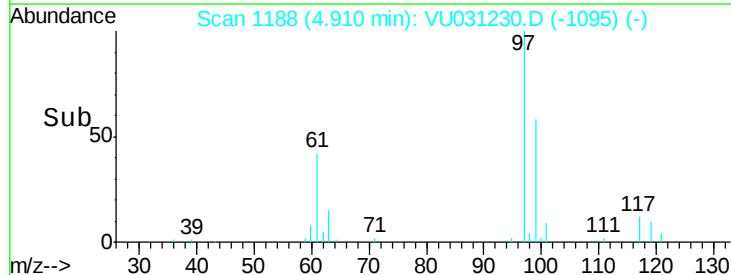
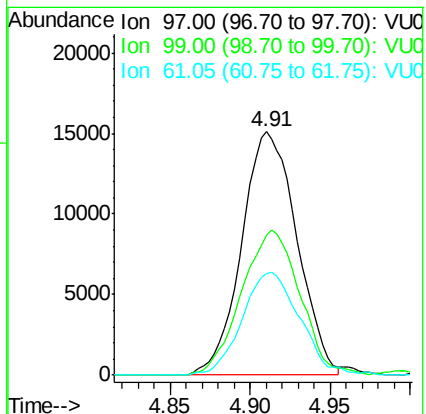
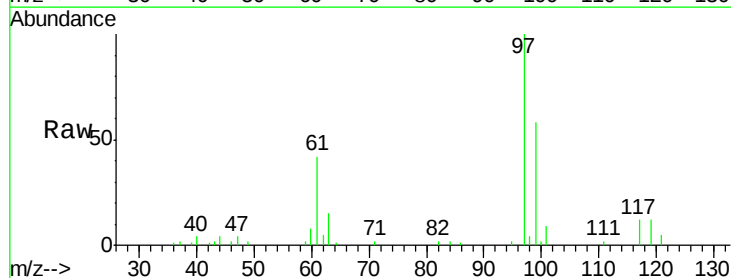
Tgt Ion: 97 Resp: 35834

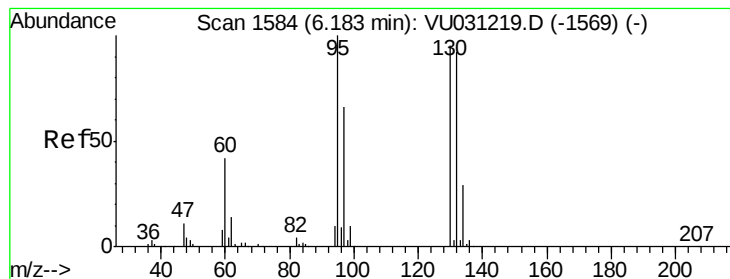
Ion Ratio Lower Upper

97 100

99 63.1 51.4 77.2

61 44.0 35.0 52.4





#34

Trichloroethene

Concen: 16.967 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031230.D

Acq: 16 Apr 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 95 Resp: 68057

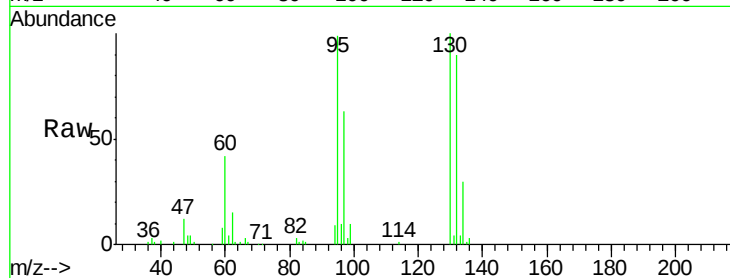
Ion Ratio Lower Upper

95 100

97 64.1 43.6 81.0

132 91.3 64.5 119.7

130 101.2 68.0 126.2

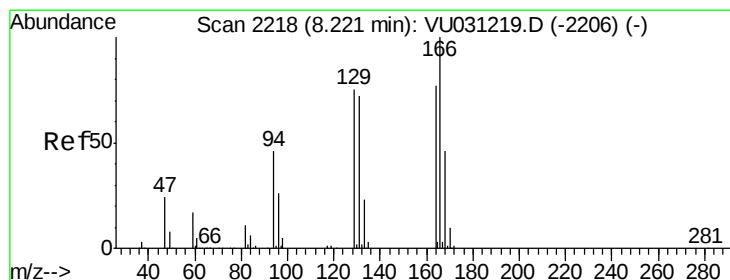
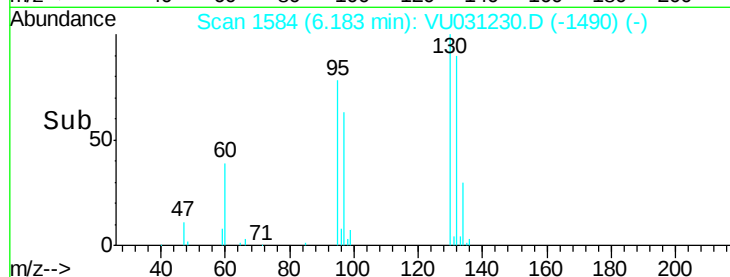
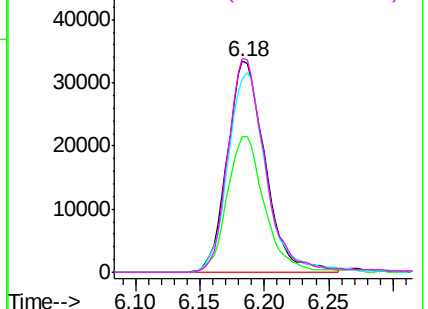


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 131.590 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU031230.D

Acq: 16 Apr 2019 23:05

Tgt Ion:164 Resp: 397009

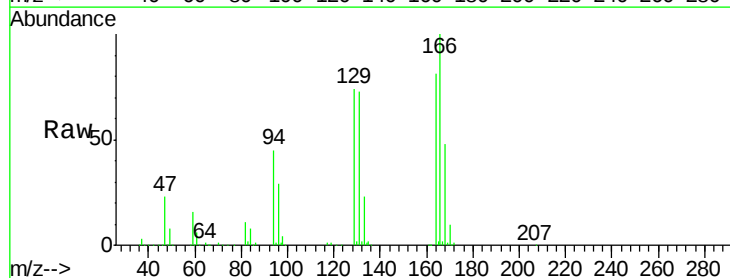
Ion Ratio Lower Upper

164 100

129 92.3 66.5 123.5

131 90.8 62.3 115.7

166 124.2 90.6 168.3



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

