

Data File : VU031415.D
Acq On : 23 Apr 2019 01:11
Operator : JC/SP
Sample : K2477-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Quant Time: Apr 23 04:08:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	676225	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	595670	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	256091	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	278271	50.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.56%
7) Chloroethane-d5	1.68	69	222027	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.44%
11) 1,1-Dichloroethene-d2	2.27	63	397637	41.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.44%
21) 2-Butanone-d5	4.19	46	448123	109.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.39%
24) Chloroform-d	4.64	84	447477	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.50%
26) 1,2-Dichloroethane-d4	5.31	65	278762	53.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.60%
32) Benzene-d6	5.34	84	965494	56.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.22%
36) 1,2-Dichloropropane-d6	6.33	67	312139	56.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.74%
41) Toluene-d8	7.56	98	833971	54.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.52%
43) trans-1,3-Dichloropropene-	7.85	79	136817	54.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.44%
47) 2-Hexanone-d5	8.31	63	314284	113.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	386912	51.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.02%
64) 1,2-Dichlorobenzene-d4	11.85	152	284288	54.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.62%

Target Compounds

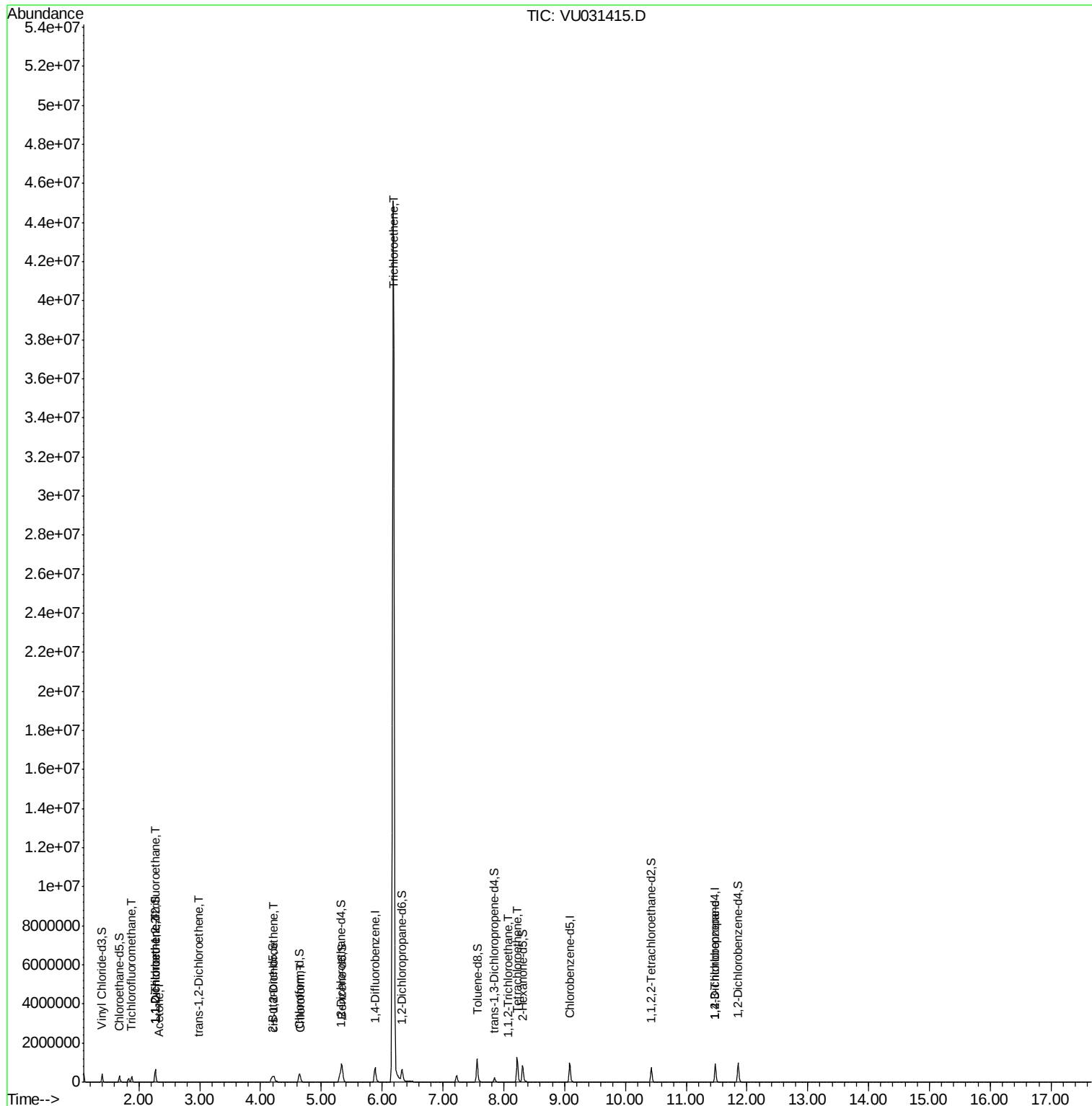
						Qvalue
9) Trichlorofluoromethane	1.88	101	177426	24.578	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3623	0.865	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	4502	1.093	ug/L #	1
13) Acetone	2.35	43	6158	1.915	ug/L	78
17) trans-1,2-Dichloroethene	2.98	96	4456	1.049	ug/L	88
20) cis-1,2-Dichloroethene	4.22	96	110831	22.990	ug/L	96
25) Chloroform	4.67	83	5101	0.637	ug/L #	75
34) Trichloroethene	6.18	95	16689857	3655.753	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	2692	0.638	ug/L	86
46) Tetrachloroethene	8.22	164	308303	95.218	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	27387	4.832	ug/L	89

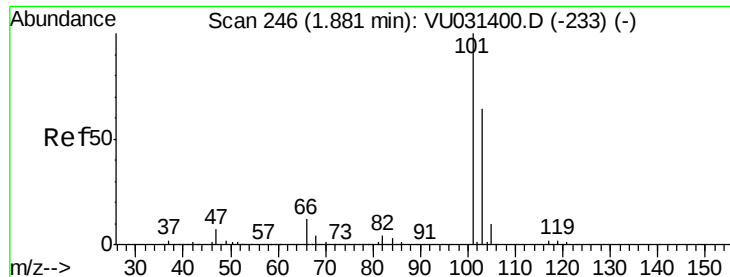
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU031415.D
Acq On : 23 Apr 2019 01:11
Operator : JC/SP
Sample : K2477-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Quant Time: Apr 23 04:08:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 24.578 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

Instrument :

MSVOA_U

ClientSampleId :

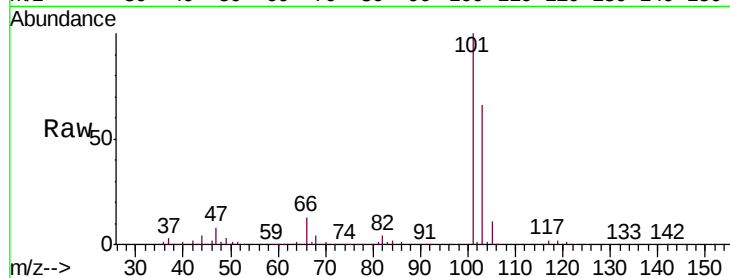
VHBLK01

Tgt Ion:101 Resp: 177426

Ion Ratio Lower Upper

101 100

103 65.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

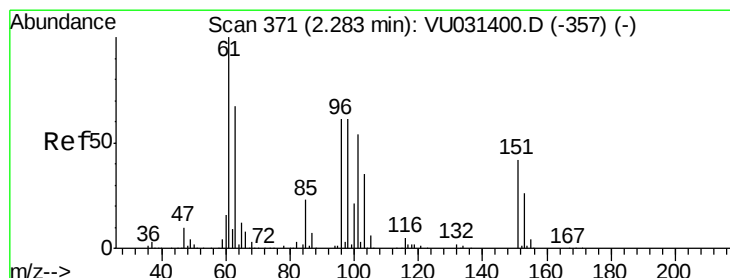
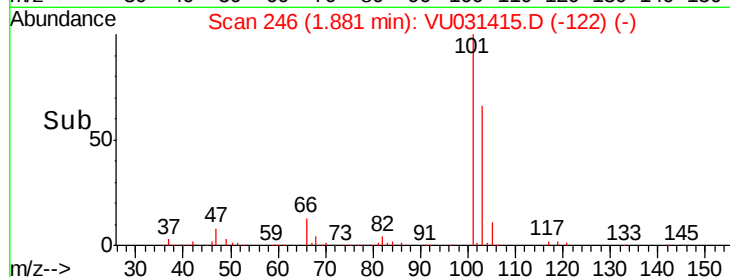
150000

100000

50000

0

Time-->



#10

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

Concen: 0.865 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

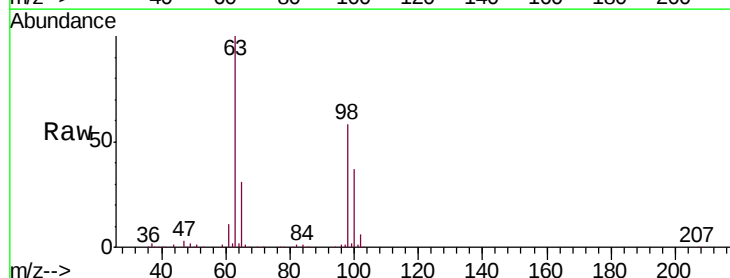
Tgt Ion:101 Resp: 3623

Ion Ratio Lower Upper

101 100

85 0.0 33.1 49.7#

151 2.0 61.4 92.0#



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

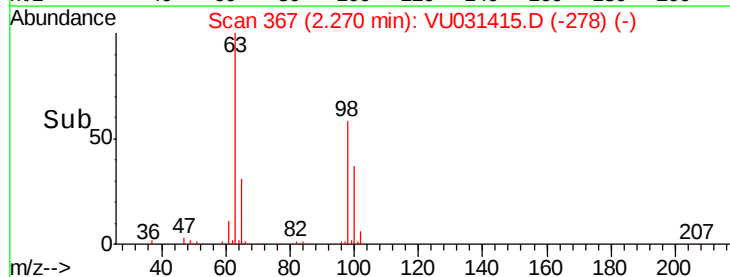
3000

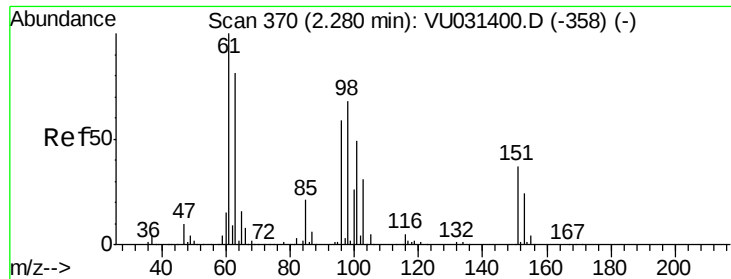
2000

1000

0

Time-->





#12

1,1-Dichloroethene

Concen: 1.093 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

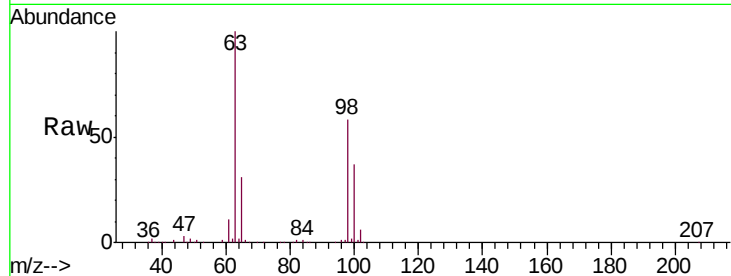
Tgt Ion: 96 Resp: 4502

Ion Ratio Lower Upper

96 100

61 1083.7 118.9 220.9#

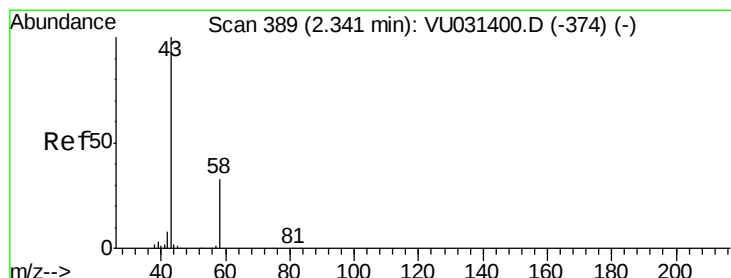
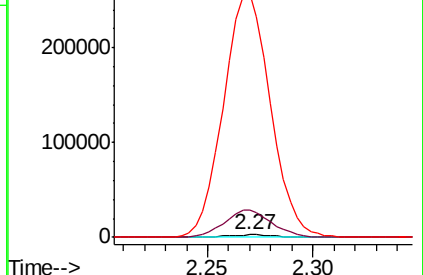
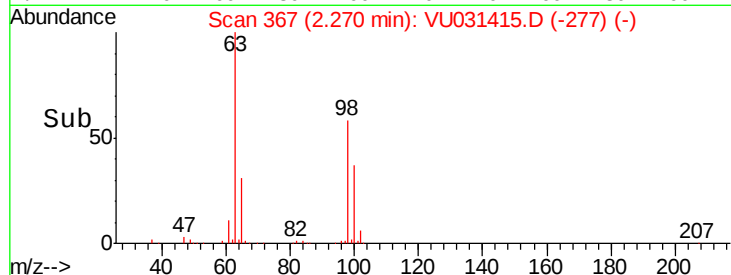
63 9690.5 99.3 184.3#



Abundance Ion 96.00 (95.70 to 96.70): VU031415.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU031415.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU031415.D (-277) (-)



#13

Acetone

Concen: 1.915 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.01 min

Lab File: VU031415.D

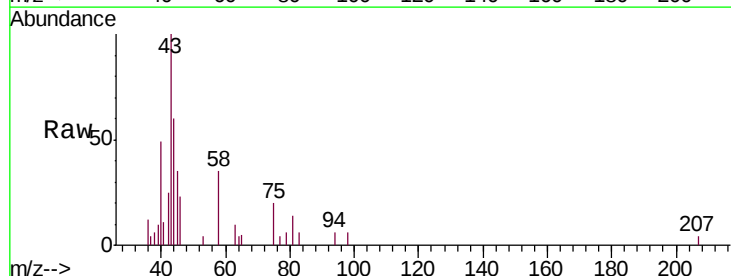
Acq: 23 Apr 2019 01:11

Tgt Ion: 43 Resp: 6158

Ion Ratio Lower Upper

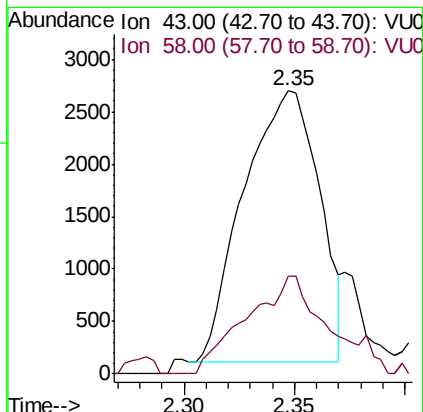
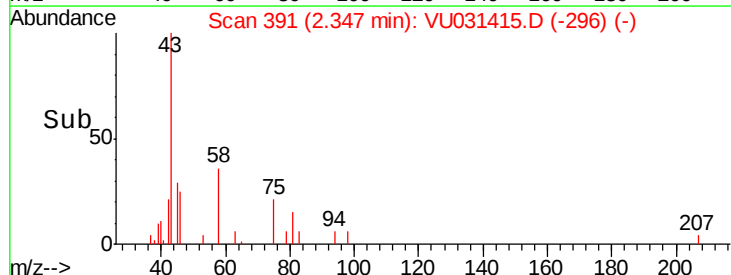
43 100

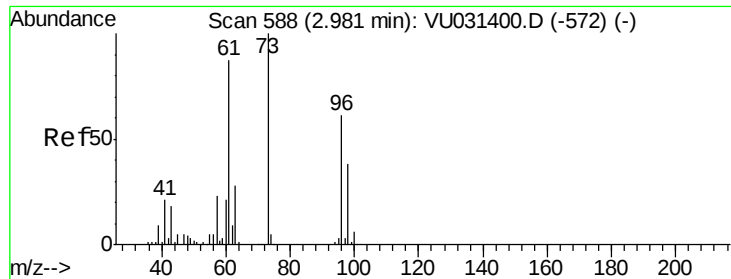
58 20.9 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VU031415.D (-296) (-)

Ion 58.00 (57.70 to 58.70): VU031415.D (-296) (-)





#17

trans-1,2-Dichloroethene

Concen: 1.049 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

Instrument :

MSVOA_U

ClientSampled :

VHBLK01

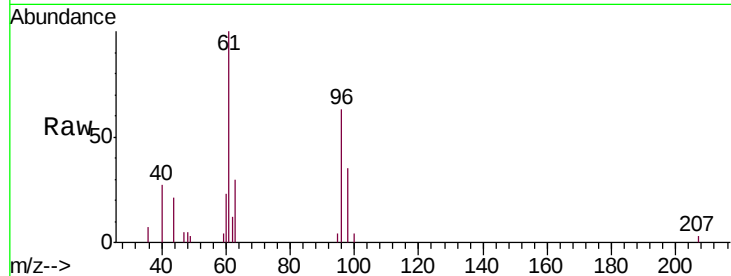
Tgt Ion: 96 Resp: 4456

Ion Ratio Lower Upper

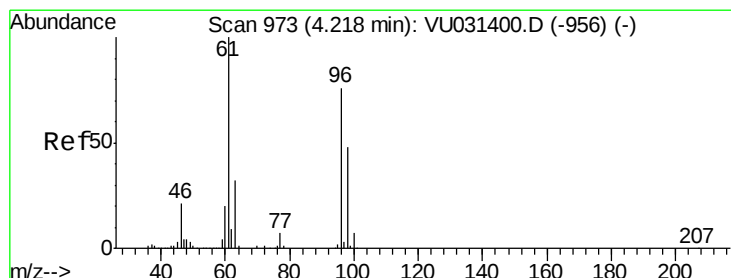
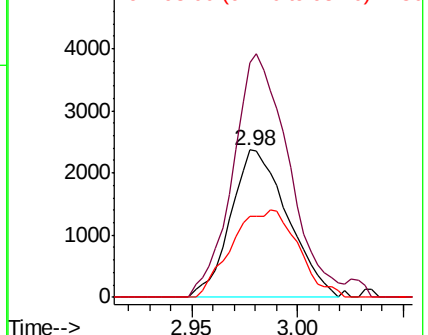
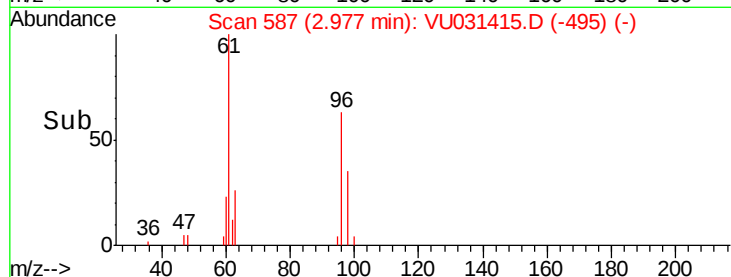
96 100

61 159.3 100.3 186.3

98 55.4 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031415.D (-495) (-)



#20

cis-1,2-Dichloroethene

Concen: 22.990 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

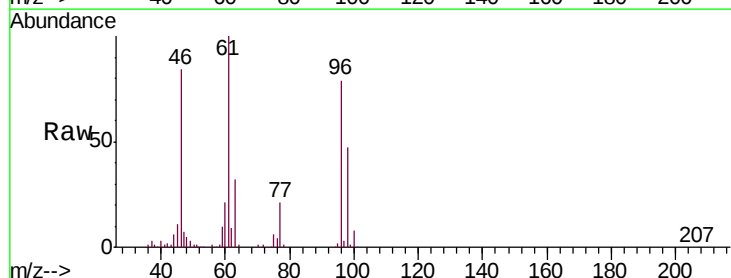
Tgt Ion: 96 Resp: 110831

Ion Ratio Lower Upper

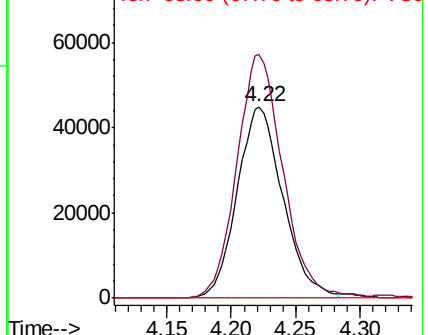
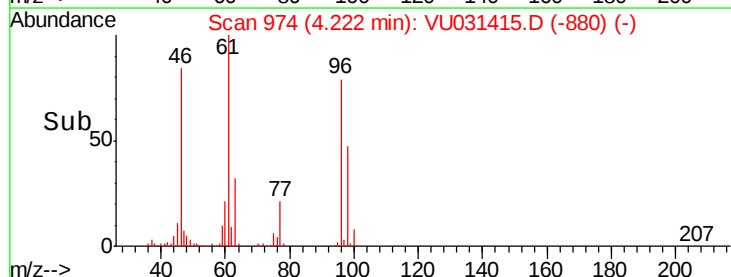
96 100

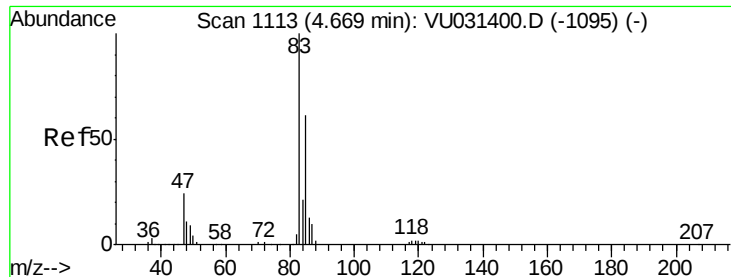
61 127.1 91.9 170.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031415.D (-880) (-)





#25

Chloroform

Concen: 0.637 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

Instrument :

MSVOA_U

ClientSampleId :

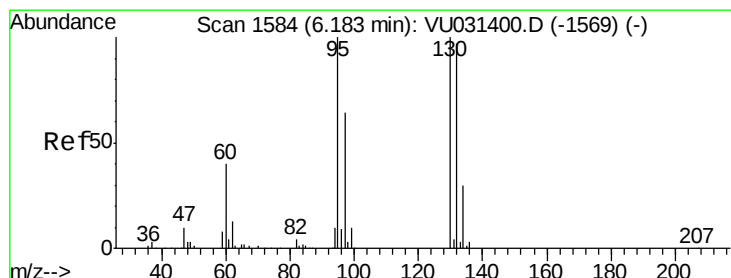
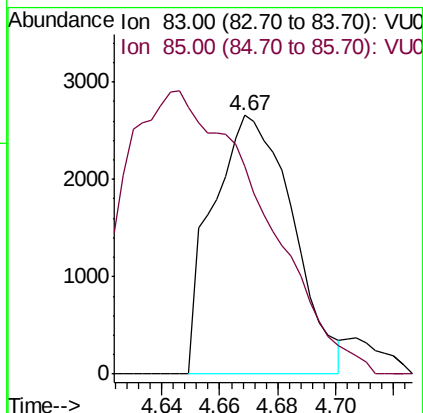
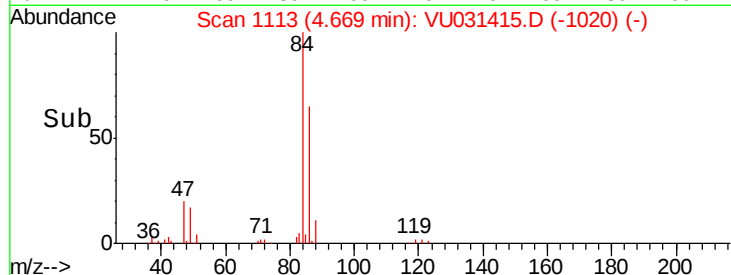
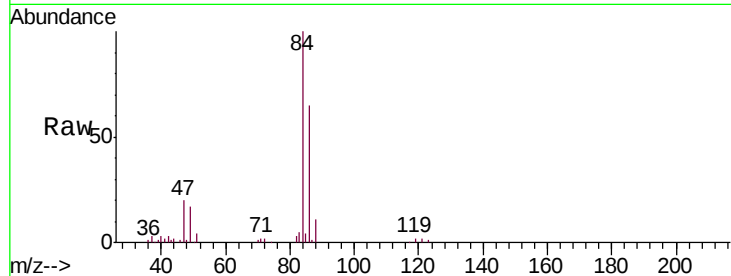
VHBLK01

Tgt Ion: 83 Resp: 5101

Ion Ratio Lower Upper

83 100

85 80.6 43.0 79.8#



#34

Trichloroethene

Concen: 3655.753 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

Tgt Ion: 95 Resp: 16689857

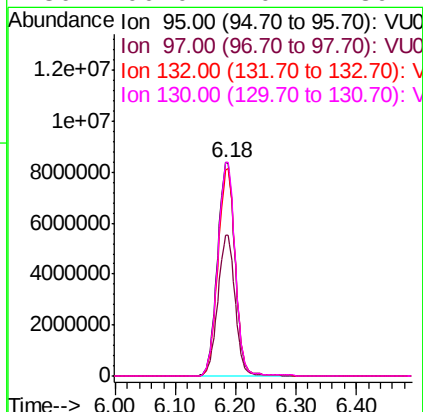
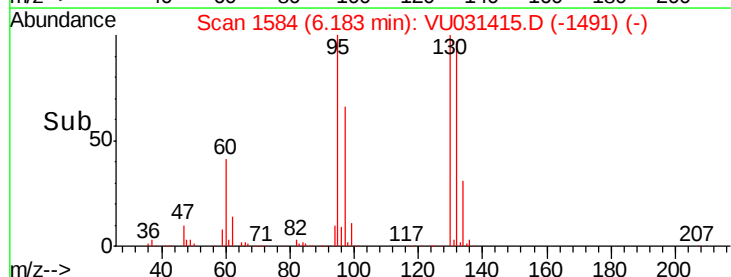
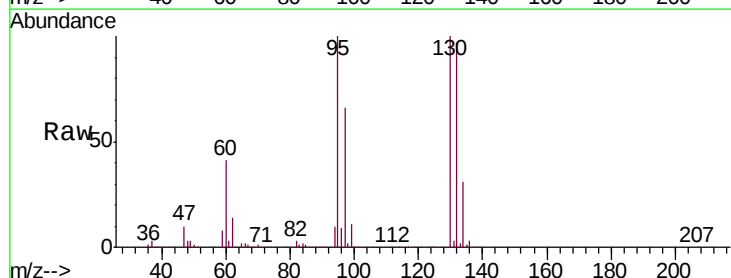
Ion Ratio Lower Upper

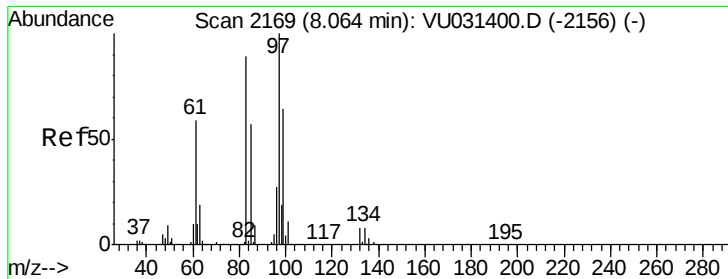
95 100

97 66.0 44.9 83.5

132 96.5 68.0 126.2

130 100.0 70.1 130.1





#45

1,1,2-Trichloroethane

Concen: 0.638 ug/L

RT: 8.07 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tgt Ion: 97 Resp: 2692

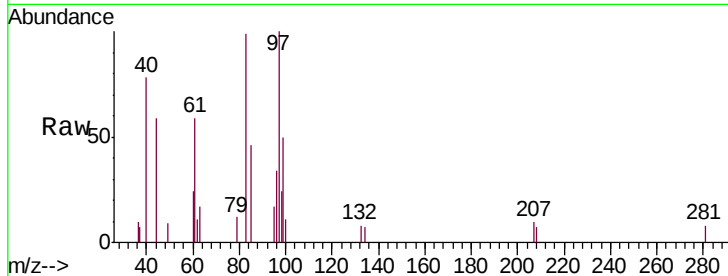
Ion Ratio Lower Upper

97 100

99 49.6 44.9 83.3

83 98.9 62.5 116.1

85 45.7 39.6 73.6



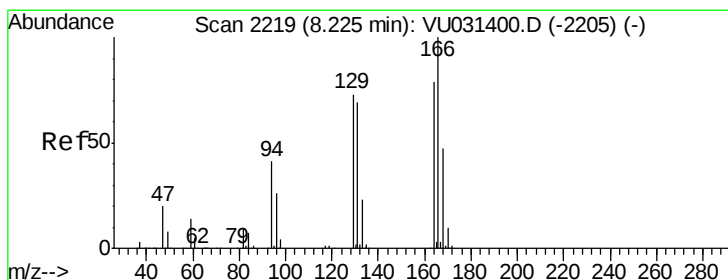
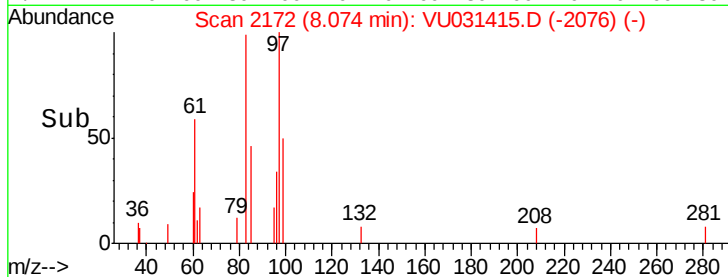
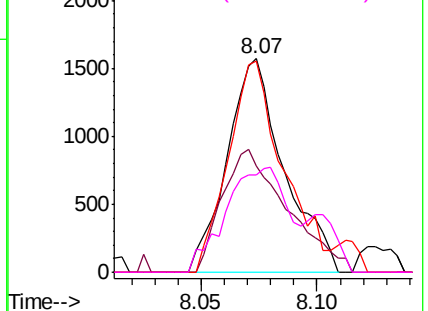
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 95.218 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

Tgt Ion: 164 Resp: 308303

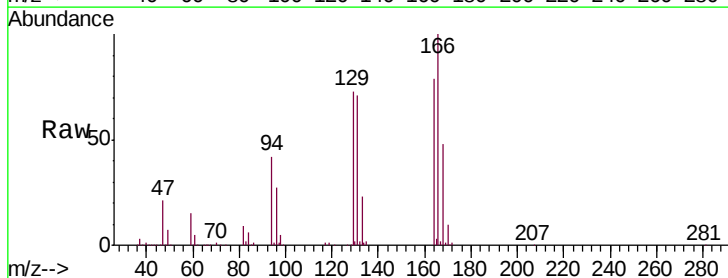
Ion Ratio Lower Upper

164 100

129 91.8 65.2 121.0

131 90.4 61.4 114.0

166 126.5 89.2 165.6



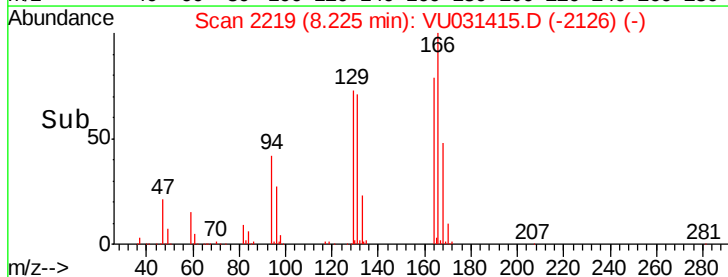
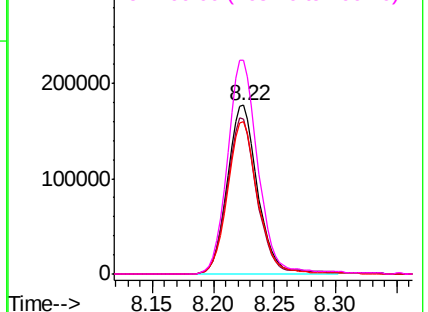
Abundance

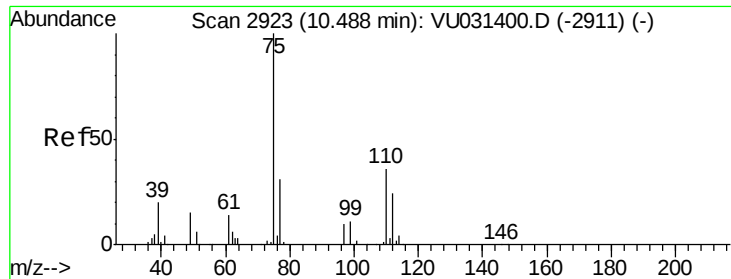
Ion 164.00 (163.70 to 164.70): V

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





#59

1,2,3-Trichloropropane

Concen: 4.832 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031415.D

Acq: 23 Apr 2019 01:11

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tgt Ion: 75 Resp: 27387

Ion Ratio Lower Upper

75 100

77 38.3 25.6 38.4

