

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040619\
 Data File : VU030788.D
 Acq On : 06 Apr 2019 09:50
 Operator : JC/SP
 Sample : K2249-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE0

Quant Time: Apr 08 02:34:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 01:03:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	473800	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	465919	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192368	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	214495	50.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.42%
7) Chloroethane-d5	1.68	69	166481	51.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.72%
11) 1,1-Dichloroethene-d2	2.27	63	317050	41.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.90%
21) 2-Butanone-d5	4.17	46	336510	100.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.39%
24) Chloroform-d	4.64	84	301893	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
26) 1,2-Dichloroethane-d4	5.31	65	225908	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
32) Benzene-d6	5.33	84	658459	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
36) 1,2-Dichloropropane-d6	6.32	67	231845	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.48%
41) Toluene-d8	7.56	98	564212	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.85	79	97382	45.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.64%
47) 2-Hexanone-d5	8.31	63	201222	94.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.45%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302446	48.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	189869	50.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.38%

Target Compounds

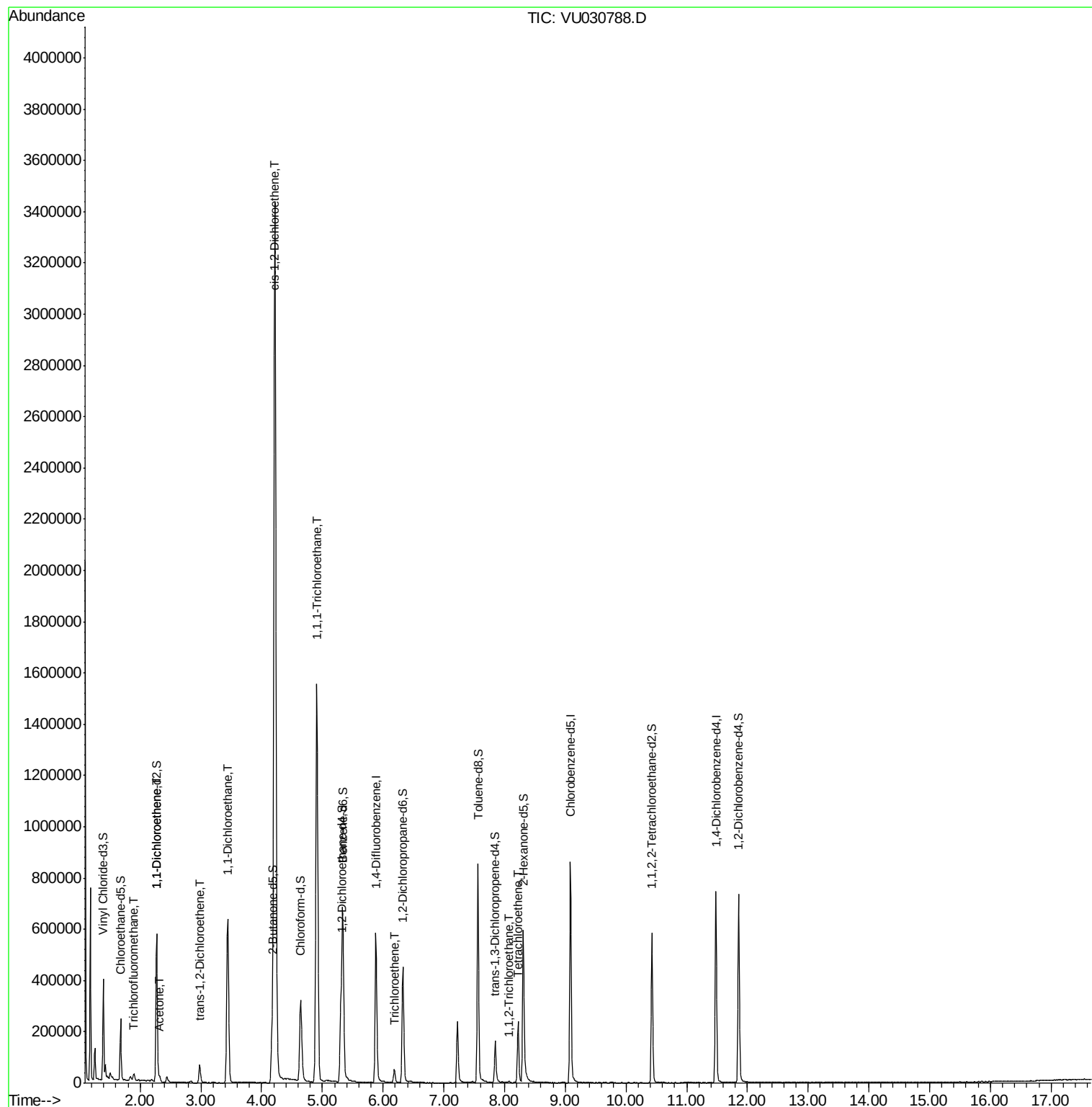
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.89	101	3886	0.640	ug/L	98
12) 1,1-Dichloroethene	2.28	96	57038	17.415	ug/L #	28
13) Acetone	2.32	43	18682	5.446	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	27788	7.991	ug/L	92
19) 1,1-Dichloroethane	3.44	63	725514	101.096	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	1852588	482.478	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	1207208	212.606	ug/L	100
34) Trichloroethene	6.19	95	18771	5.020	ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	1926	0.526	ug/L	91
46) Tetrachloroethene	8.22	164	53699	19.751	ug/L	96

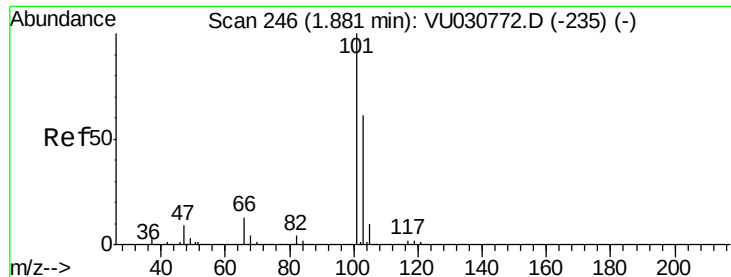
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.640 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.01 min

Lab File: VU030788.D

Acq: 06 Apr 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

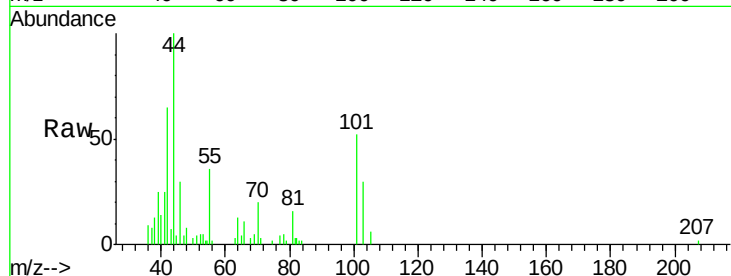
E3YE0

Tot Ion:101 Resp: 3886

Ion Ratio Lower Upper

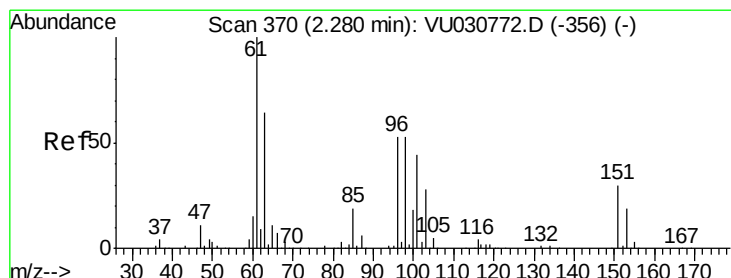
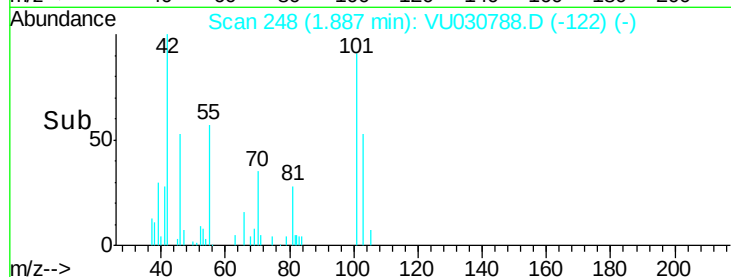
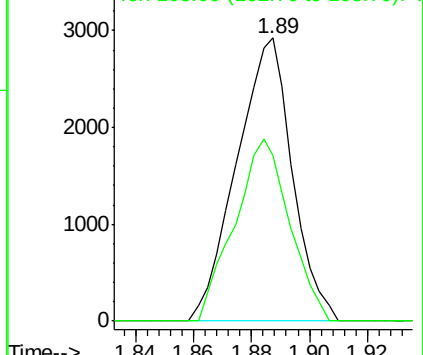
101 100

103 63.5 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 17.415 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030788.D

Acq: 06 Apr 2019 09:50

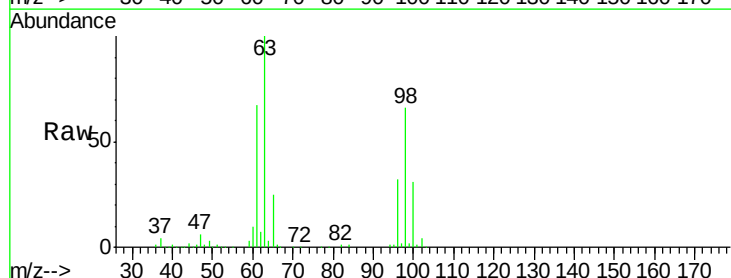
Tgt Ion: 96 Resp: 57038

Ion Ratio Lower Upper

96 100

61 208.7 132.0 245.2

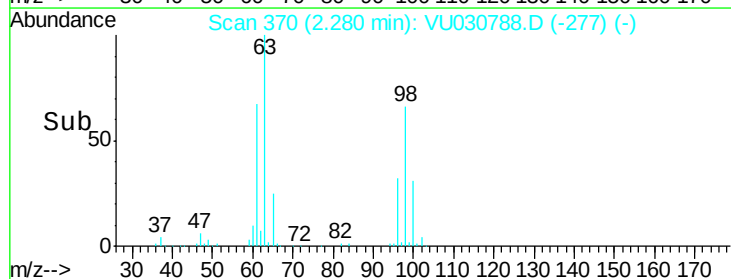
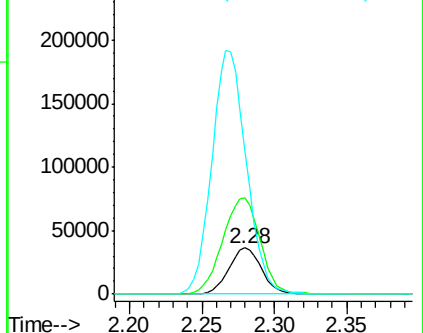
63 312.5 90.9 168.9#

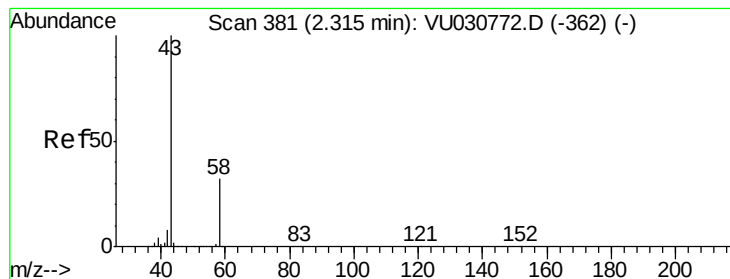


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.446 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030788.D

Acq: 06 Apr 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

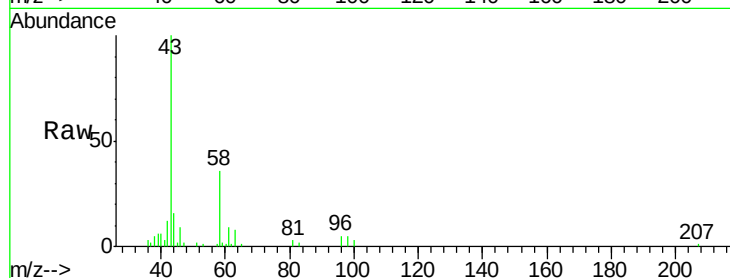
E3YE0

Tot Ion: 43 Resp: 18682

Ion Ratio Lower Upper

43 100

58 33.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030772.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030772.D (-362) (-)

2.32

12000

10000

8000

6000

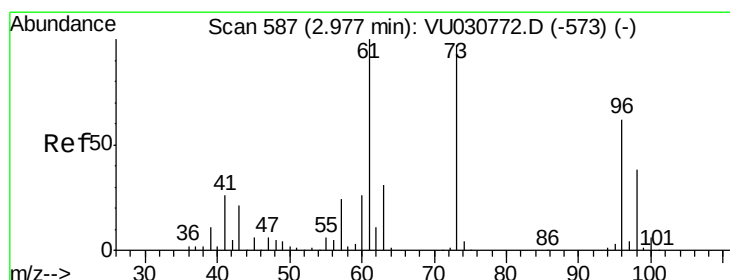
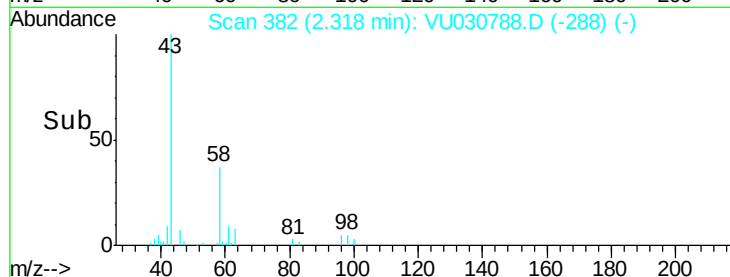
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#17

trans-1,2-Dichloroethene

Concen: 7.991 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030788.D

Acq: 06 Apr 2019 09:50

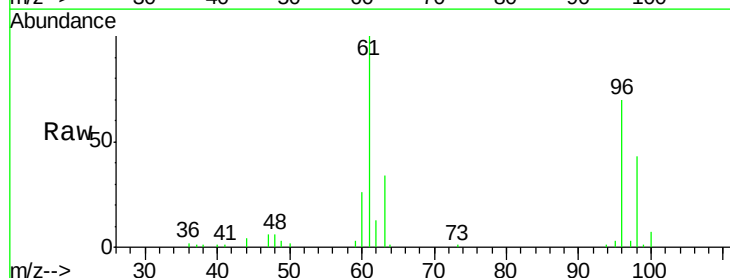
Tgt Ion: 96 Resp: 27788

Ion Ratio Lower Upper

96 100

61 143.3 109.5 203.3

98 61.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030772.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU030772.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU030772.D (-573) (-)

2.98

25000

20000

15000

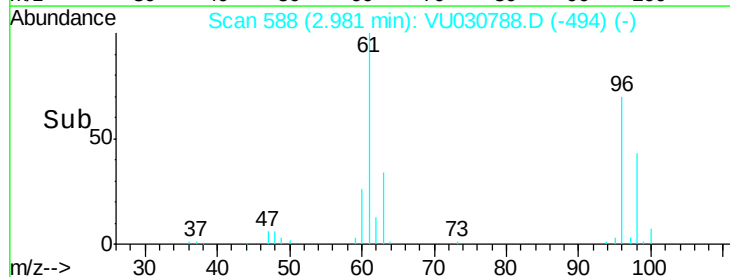
10000

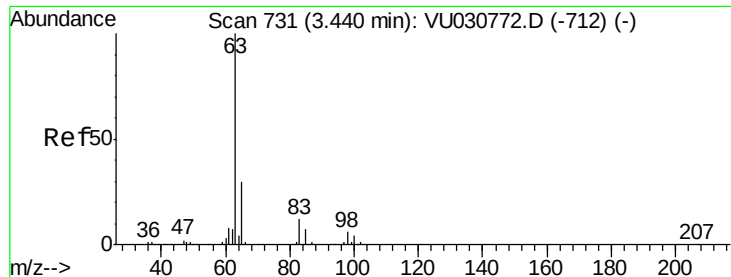
5000

0

Time-->

2.90 2.95 3.00 3.05





#19

1,1-Dichloroethane

Concen: 101.096 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU030788.D

Acq: 06 Apr 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

E3YE0

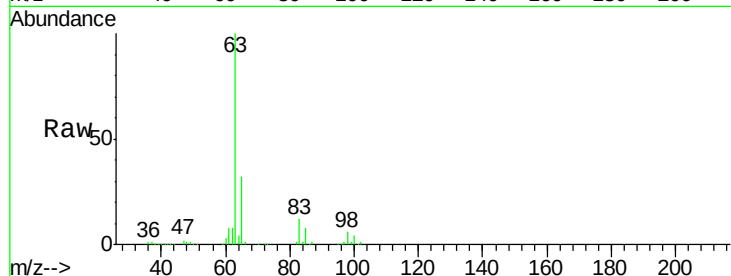
Tot Ion: 63 Resp: 725514

Ion Ratio Lower Upper

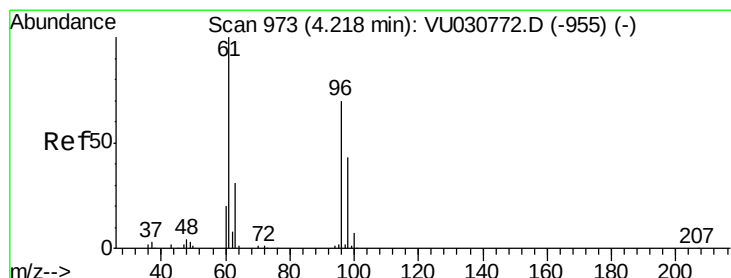
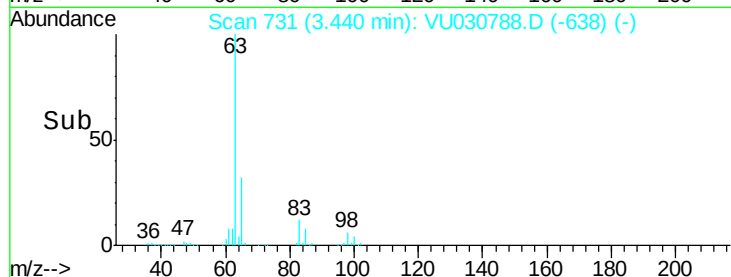
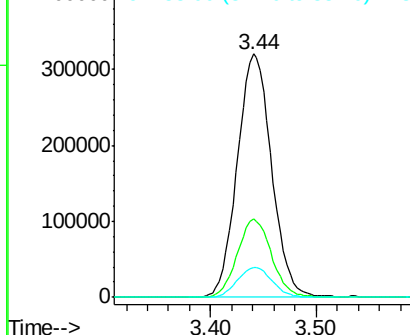
63 100

65 32.1 21.4 39.8

83 12.2 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 482.478 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030788.D

Acq: 06 Apr 2019 09:50

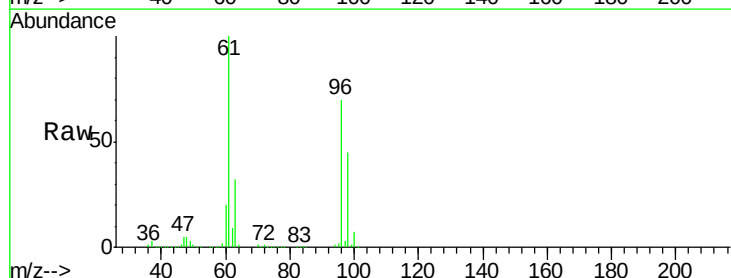
Tgt Ion: 96 Resp: 1852588

Ion Ratio Lower Upper

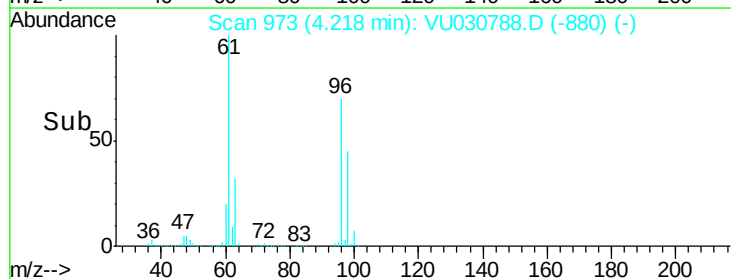
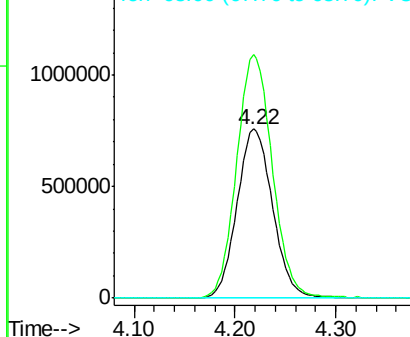
96 100

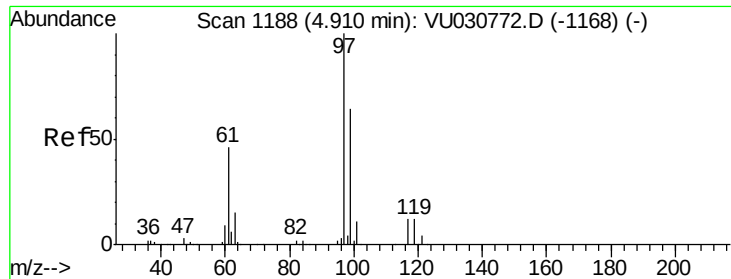
61 143.8 102.9 191.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



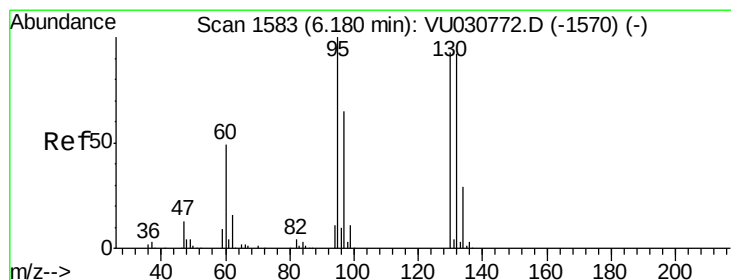
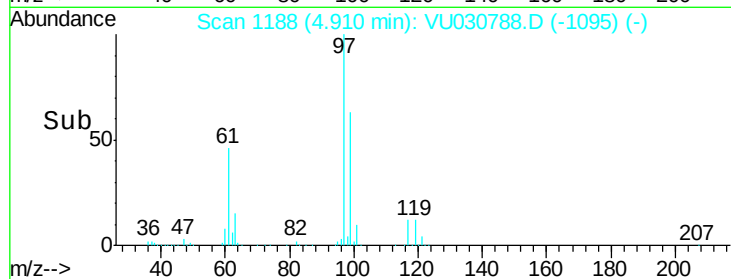
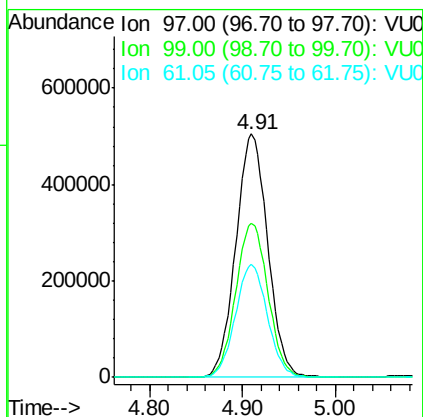
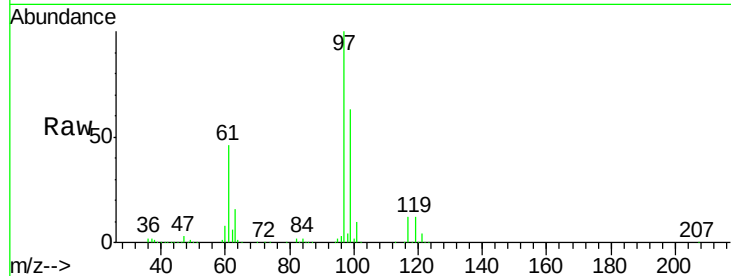


#30
 1,1,1-Trichloroethane
 Concen: 212.606 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU030788.D
 Acq: 06 Apr 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE0

Tot Ion: 97 Resp: 1207208

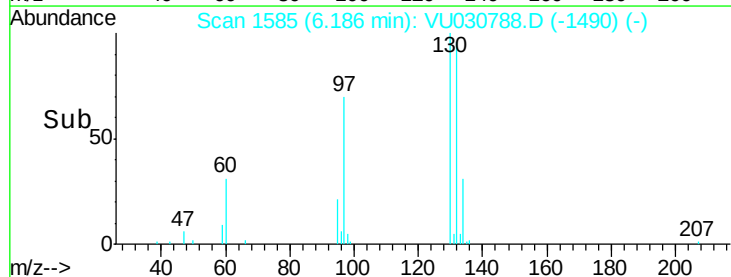
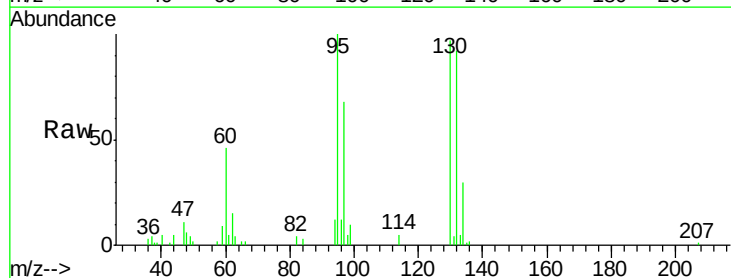
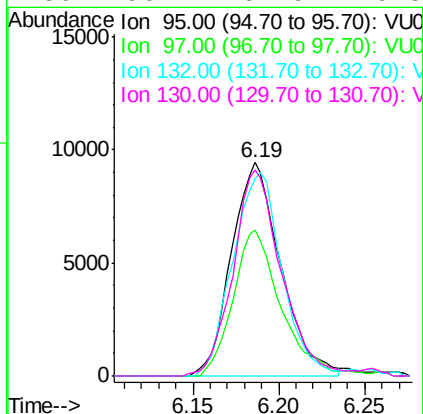
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	46.3	37.1	55.7

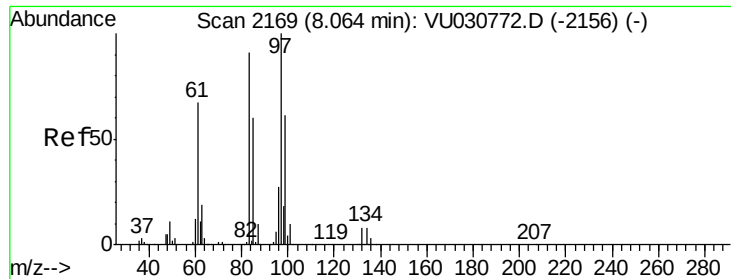


#34
 Trichloroethene
 Concen: 5.020 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU030788.D
 Acq: 06 Apr 2019 09:50

Tgt Ion: 95 Resp: 18771

Ion	Ratio	Lower	Upper
95	100		
97	68.0	44.5	82.7
132	92.4	61.5	114.1
130	96.7	64.9	120.5

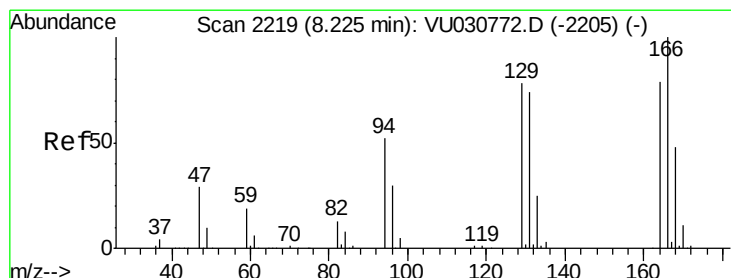
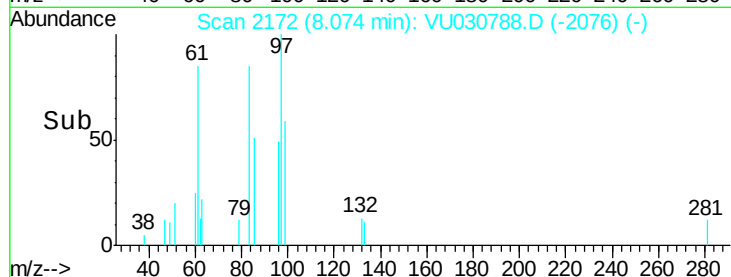
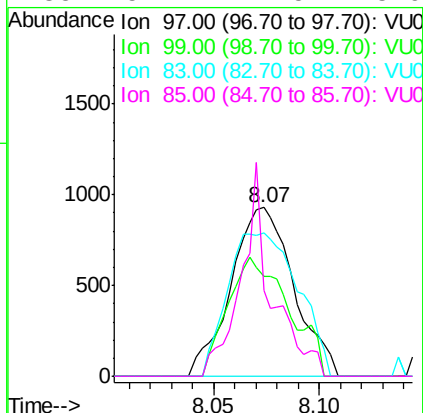
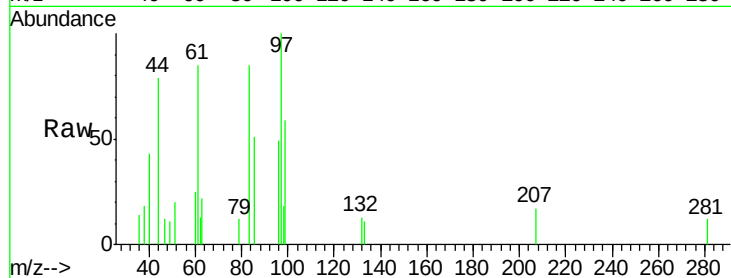




#45
 1,1,2-Trichloroethane
 Concen: 0.526 ug/L
 RT: 8.07 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VU030788.D
 Acq: 06 Apr 2019 09:50

Instrument :
 MSVOA_U
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 E3YE0

Tot Ion:	97	Resp:	1926
Ion	Ratio	Lower	Upper
97	100		
99	58.9	44.0	81.8
83	84.6	65.3	121.3
85	51.2	42.5	78.9



#46
 Tetrachloroethene
 Concen: 19.751 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030788.D
 Acq: 06 Apr 2019 09:50

Tgt Ion:	164	Resp:	53699
Ion	Ratio	Lower	Upper
164	100		
129	100.8	67.4	125.2
131	93.0	65.9	122.5
166	132.6	88.6	164.6

