

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042219\
 Data File : VU031388.D
 Acq On : 22 Apr 2019 12:51
 Operator : JC/SP
 Sample : K2428-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X16

Quant Time: Apr 23 01:35:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 00:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	625004	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	466712	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	225152	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	184421	32.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.08%
7) Chloroethane-d5	1.68	69	159746	31.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.94%#
11) 1,1-Dichloroethene-d2	2.27	63	273277	23.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.94%#
21) 2-Butanone-d5	4.19	46	377817	90.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.13%
24) Chloroform-d	4.64	84	330462	34.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.82%#
26) 1,2-Dichloroethane-d4	5.31	65	198107	33.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.00%#
32) Benzene-d6	5.34	84	683489	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
36) 1,2-Dichloropropane-d6	6.33	67	228396	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.40%
41) Toluene-d8	7.56	98	469455	36.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.32%#
43) trans-1,3-Dichloropropene-	7.85	79	76816	33.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.12%
47) 2-Hexanone-d5	8.31	63	206118	91.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	270163	40.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.28%
64) 1,2-Dichlorobenzene-d4	11.85	152	198561	38.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.90%#

Target Compounds

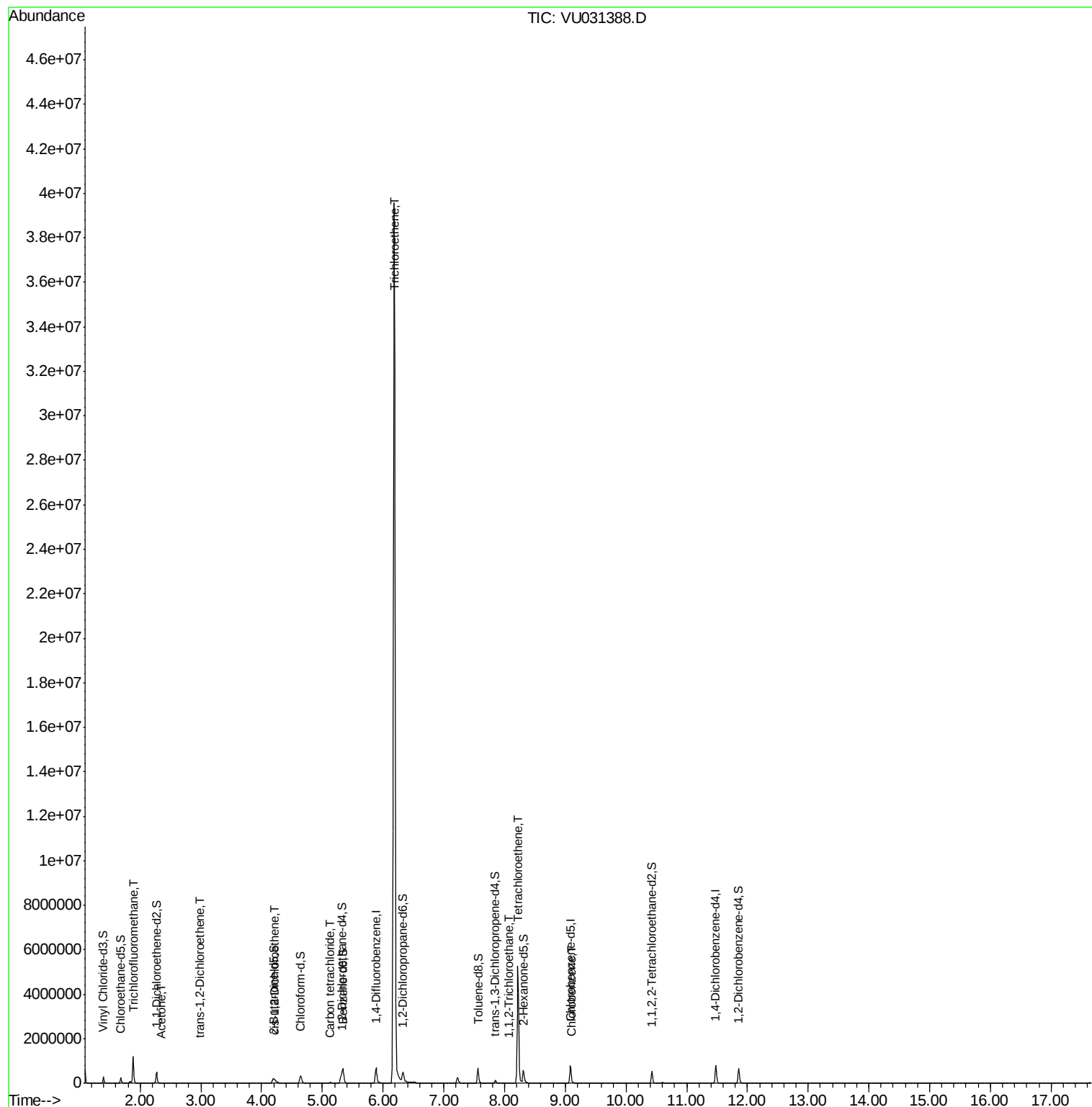
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	744428	78.185	ug/L	98
13) Acetone	2.35	43	6592	2.043	ug/L	60
17) trans-1,2-Dichloroethene	2.98	96	4222	0.949	ug/L	81
20) cis-1,2-Dichloroethene	4.22	96	33581	6.483	ug/L	91
31) Carbon tetrachloride	5.13	117	15741	2.946	ug/L	92
34) Trichloroethene	6.18	95	14614708	3720.966	ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	4338	1.159	ug/L	96
46) Tetrachloroethene	8.22	164	1312398	444.254	ug/L	97
51) Chlorobenzene	9.12	112	5058	0.518	ug/L	89

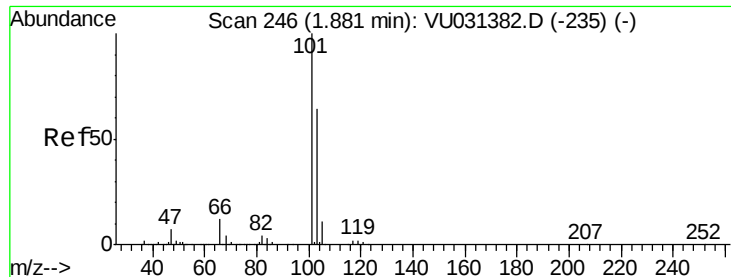
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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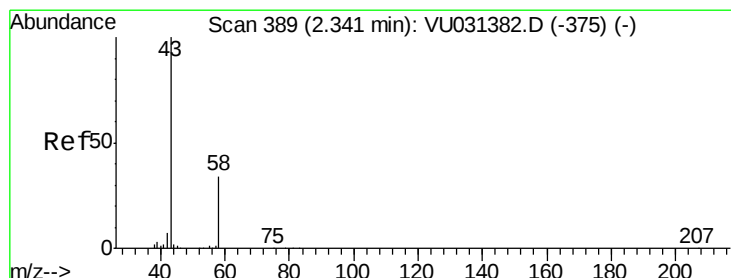
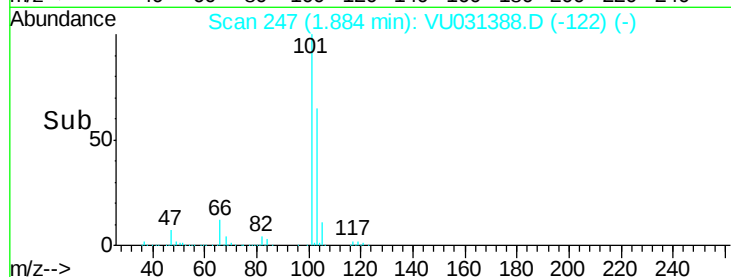
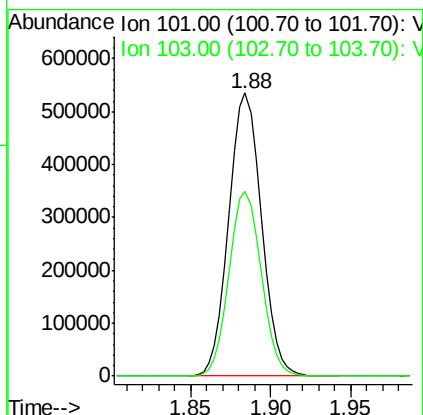
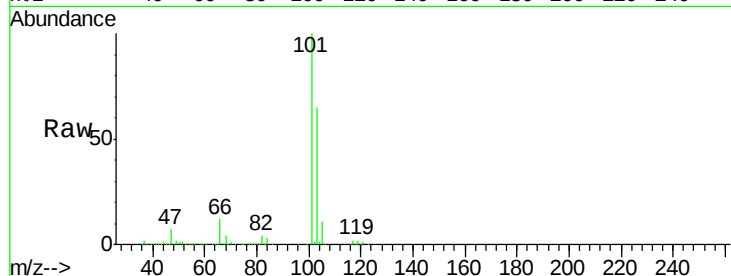


#9

Trichlorofluoromethane
 Concen: 78.185 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031388.D
 Acq: 22 Apr 2019 12:51

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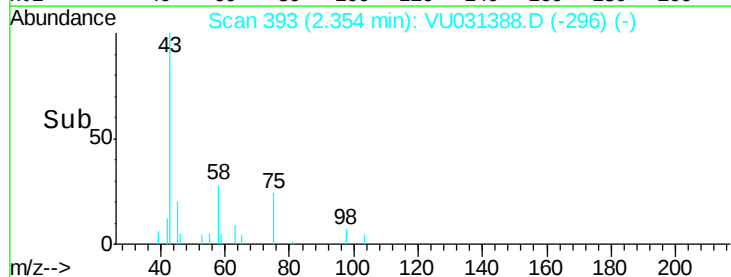
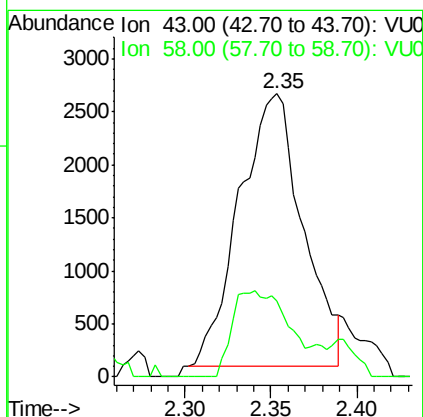
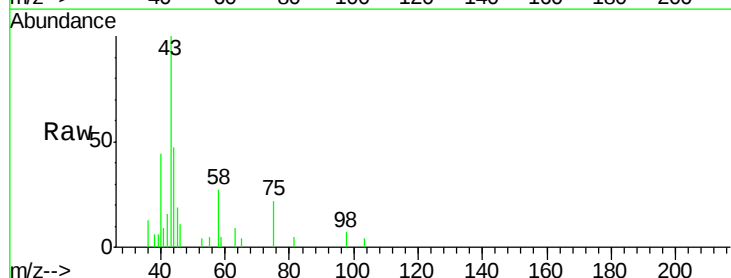
Tot Ion:101 Resp: 744428
 Ion Ratio Lower Upper
 101 100
 103 64.4 53.0 79.6

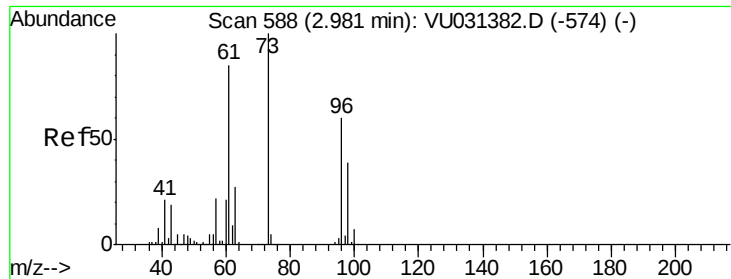


#13

Acetone
 Concen: 2.043 ug/L
 RT: 2.35 min Scan# 393
 Delta R.T. 0.01 min
 Lab File: VU031388.D
 Acq: 22 Apr 2019 12:51

Tgt Ion: 43 Resp: 6592
 Ion Ratio Lower Upper
 43 100
 58 9.9 0.0 65.0





#17

trans-1,2-Dichloroethene

Concen: 0.949 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031388.D

Acq: 22 Apr 2019 12:51

Instrument :

MSVOA_U

ClientSampleId :

C0X16

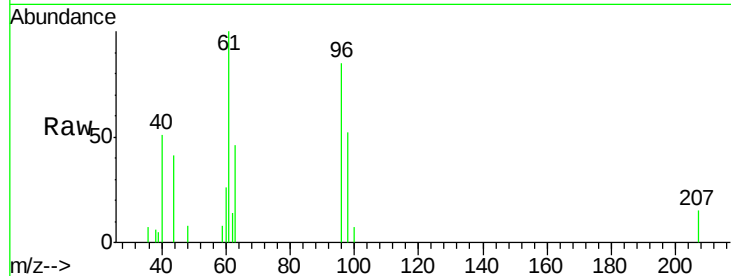
Tot Ion: 96 Resp: 4222

Ion Ratio Lower Upper

96 100

61 117.9 105.5 195.9

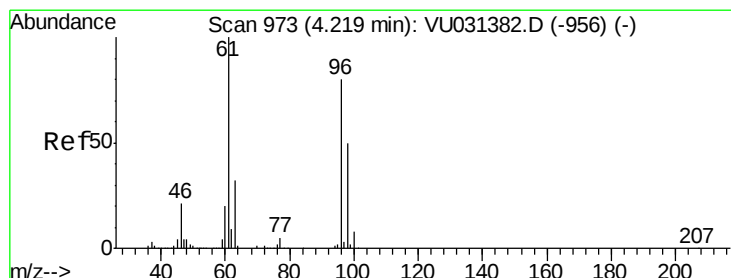
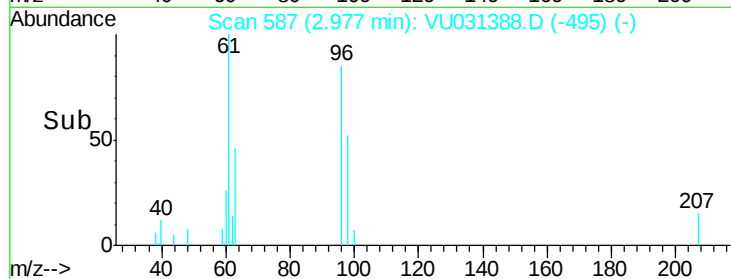
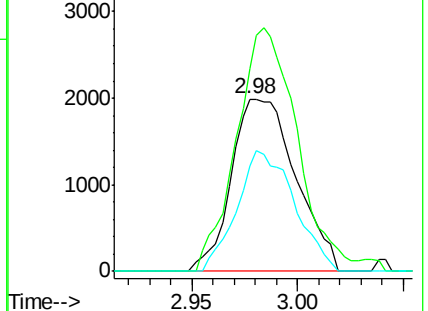
98 61.4 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU031388.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU031388.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU031388.D (-574) (-)



#20

cis-1,2-Dichloroethene

Concen: 6.483 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031388.D

Acq: 22 Apr 2019 12:51

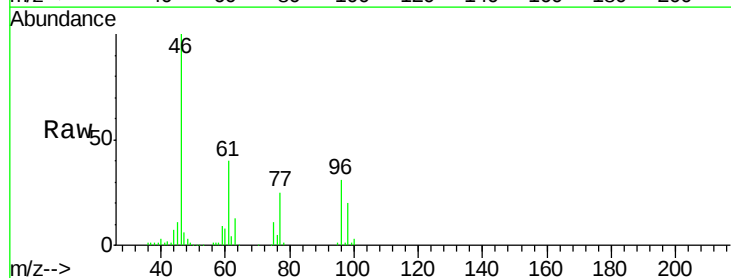
Tgt Ion: 96 Resp: 33581

Ion Ratio Lower Upper

96 100

61 128.9 98.2 182.4

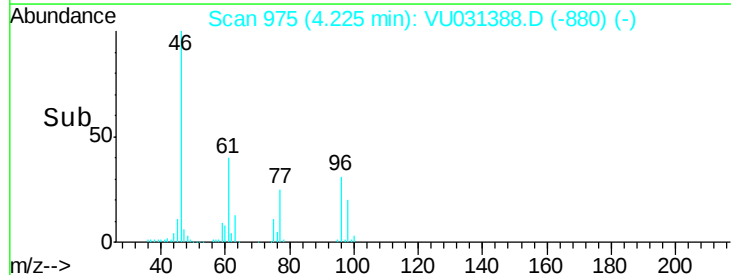
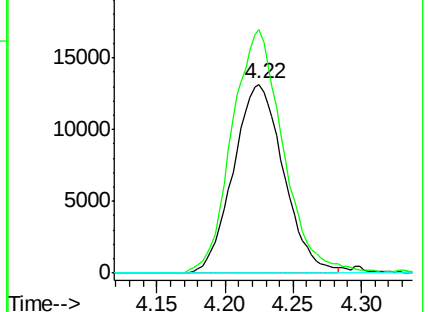
68 0.0 0.0 0.0

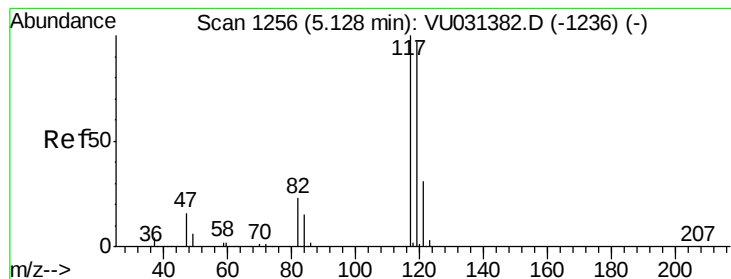


Abundance Ion 96.00 (95.70 to 96.70): VU031388.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU031388.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU031388.D (-956) (-)





#31

Carbon tetrachloride

Concen: 2.946 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031388.D

Acq: 22 Apr 2019 12:51

Instrument :

MSVOA_U

ClientSampleId :

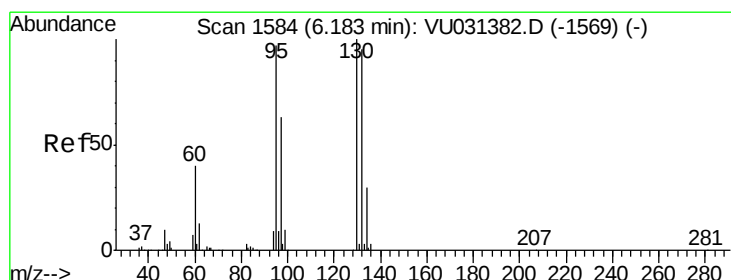
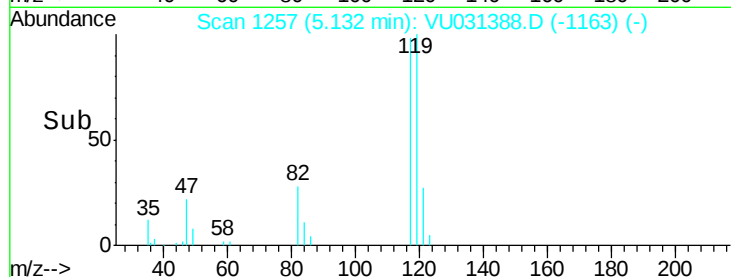
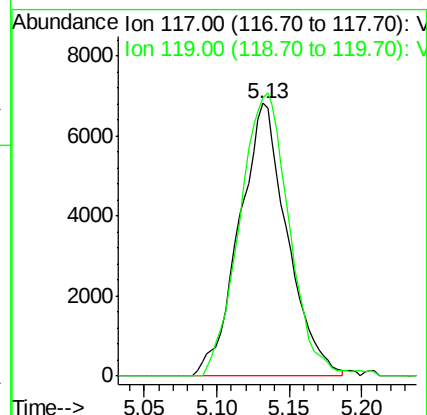
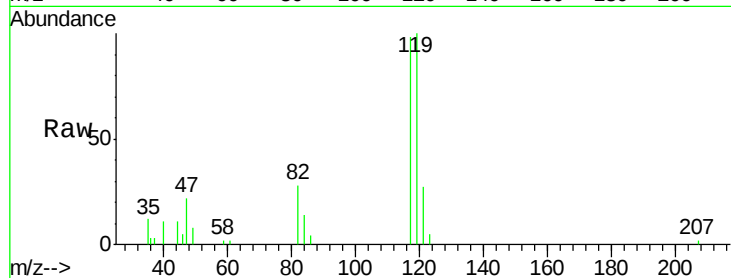
C0X16

Tot Ion:117 Resp: 15741

Ion Ratio Lower Upper

117 100

119 105.9 78.0 117.0



#34

Trichloroethene

Concen: 3720.966 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU031388.D

Acq: 22 Apr 2019 12:51

Tgt Ion: 95 Resp:14614708

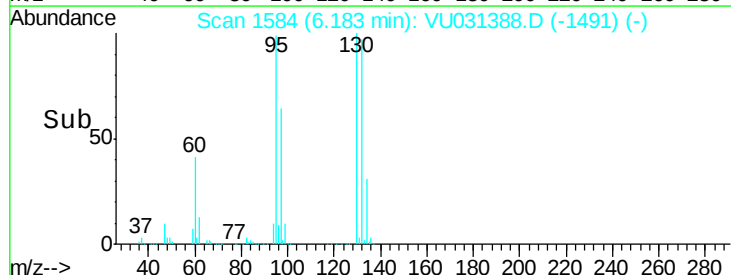
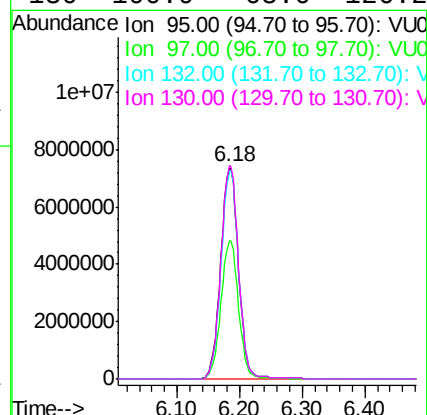
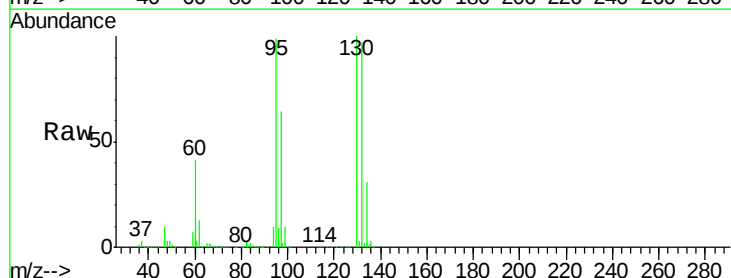
Ion Ratio Lower Upper

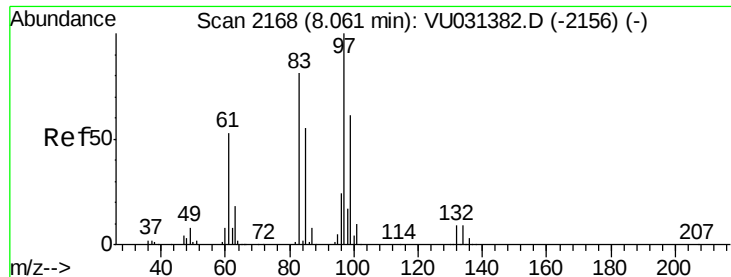
95 100

97 65.1 43.6 81.0

132 97.9 64.5 119.7

130 100.9 68.0 126.2

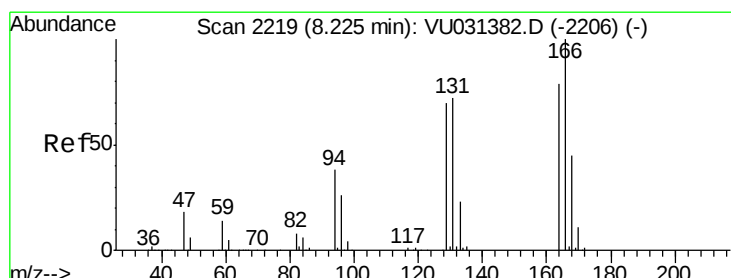
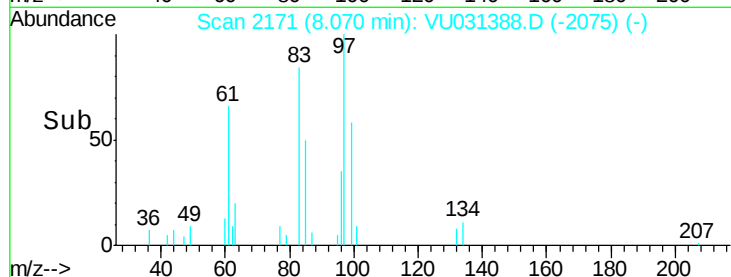
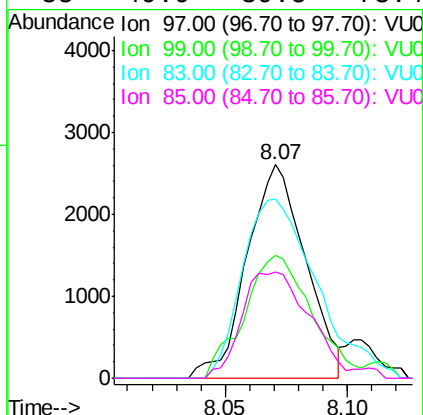
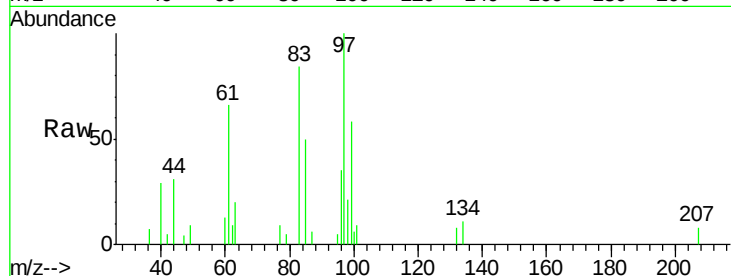




#45
 1,1,2-Trichloroethane
 Concen: 1.159 ug/L
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU031388.D
 Acq: 22 Apr 2019 12:51

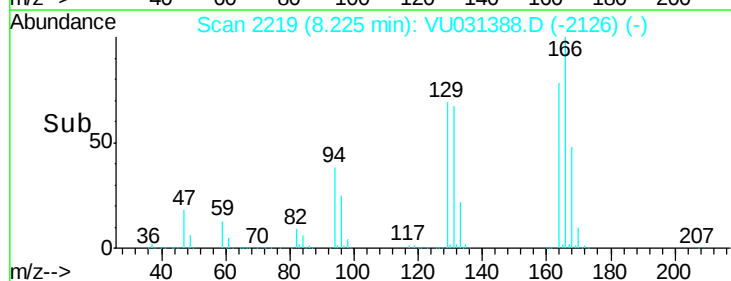
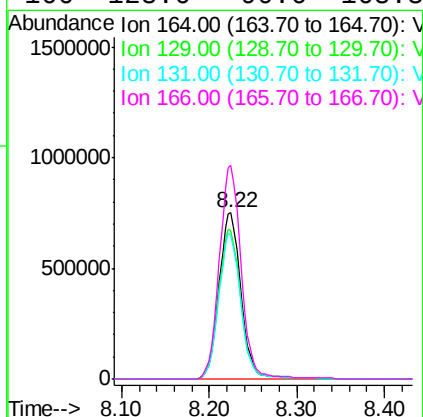
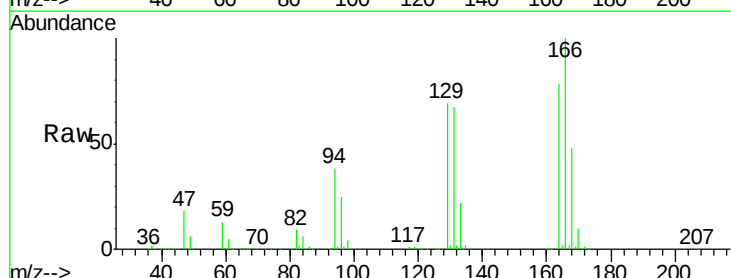
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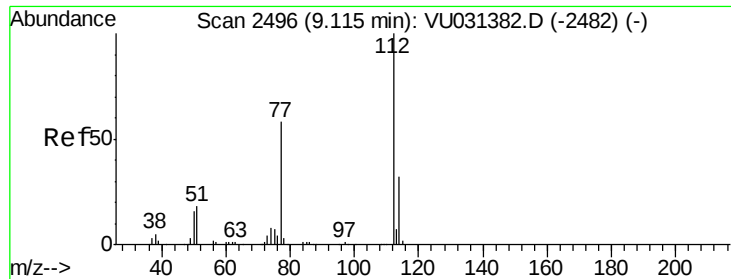
Tot Ion:	97	Resp:	4338
Ion	Ratio	Lower	Upper
97	100		
99	57.7	42.2	78.4
83	83.9	59.8	111.1
85	49.9	39.5	73.4



#46
 Tetrachloroethene
 Concen: 444.254 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU031388.D
 Acq: 22 Apr 2019 12:51

Tgt Ion:	164	Resp:	1312398
Ion	Ratio	Lower	Upper
164	100		
129	89.3	66.5	123.5
131	86.7	62.3	115.7
166	128.6	90.6	168.3





#51
 Chlorobenzene
 Concen: 0.518 ug/L
 RT: 9.12 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: VU031388.D
 Acq: 22 Apr 2019 12:51

Instrument :
 MSVOA_U
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
112	100		
114	35.0	21.6	40.0
77	71.4	49.0	73.4

