

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042219\
 Data File : VU031387.D
 Acq On : 22 Apr 2019 12:28
 Operator : JC/SP
 Sample : K2428-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X14

Manual Integrations
 APPROVED

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 4/23/2019 11:04:17 AM

Quant Time: Apr 23 01:31:52 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	670077	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	639681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	276053	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	182644	29.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.20%#
7) Chloroethane-d5	1.68	69	157892	29.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	58.94%#
11) 1,1-Dichloroethene-d2	2.27	63	266412	21.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	43.58%#
21) 2-Butanone-d5	4.19	46	380576	84.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.68%
24) Chloroform-d	4.64	84	328693	31.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.84%#
26) 1,2-Dichloroethane-d4	5.31	65	199594	31.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	62.96%#
32) Benzene-d6	5.34	84	675653	33.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.82%#
36) 1,2-Dichloropropane-d6	6.33	67	228768	34.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	69.72%#
41) Toluene-d8	7.56	98	597732	33.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.18%#
43) trans-1,3-Dichloropropene-	7.85	79	100382	32.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.00%
47) 2-Hexanone-d5	8.31	63	274627	88.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	333253	36.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	73.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	217391	34.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.68%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	690017	67.596	ug/L	99
13) Acetone	2.34	43	8553m	2.473	ug/L	
17) trans-1,2-Dichloroethene	2.98	96	5900	1.236	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	59989	10.802	ug/L	92
31) Carbon tetrachloride	5.13	117	10914	1.490	ug/L	94
34) Trichloroethene	6.17	95	26999415m	5015.398	ug/L	
45) 1,1,2-Trichloroethane	8.07	97	8584	1.674	ug/L	97
46) Tetrachloroethene	8.22	164	1730731	427.446	ug/L	98
51) Chlorobenzene	9.12	112	6952	0.520	ug/L	93

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

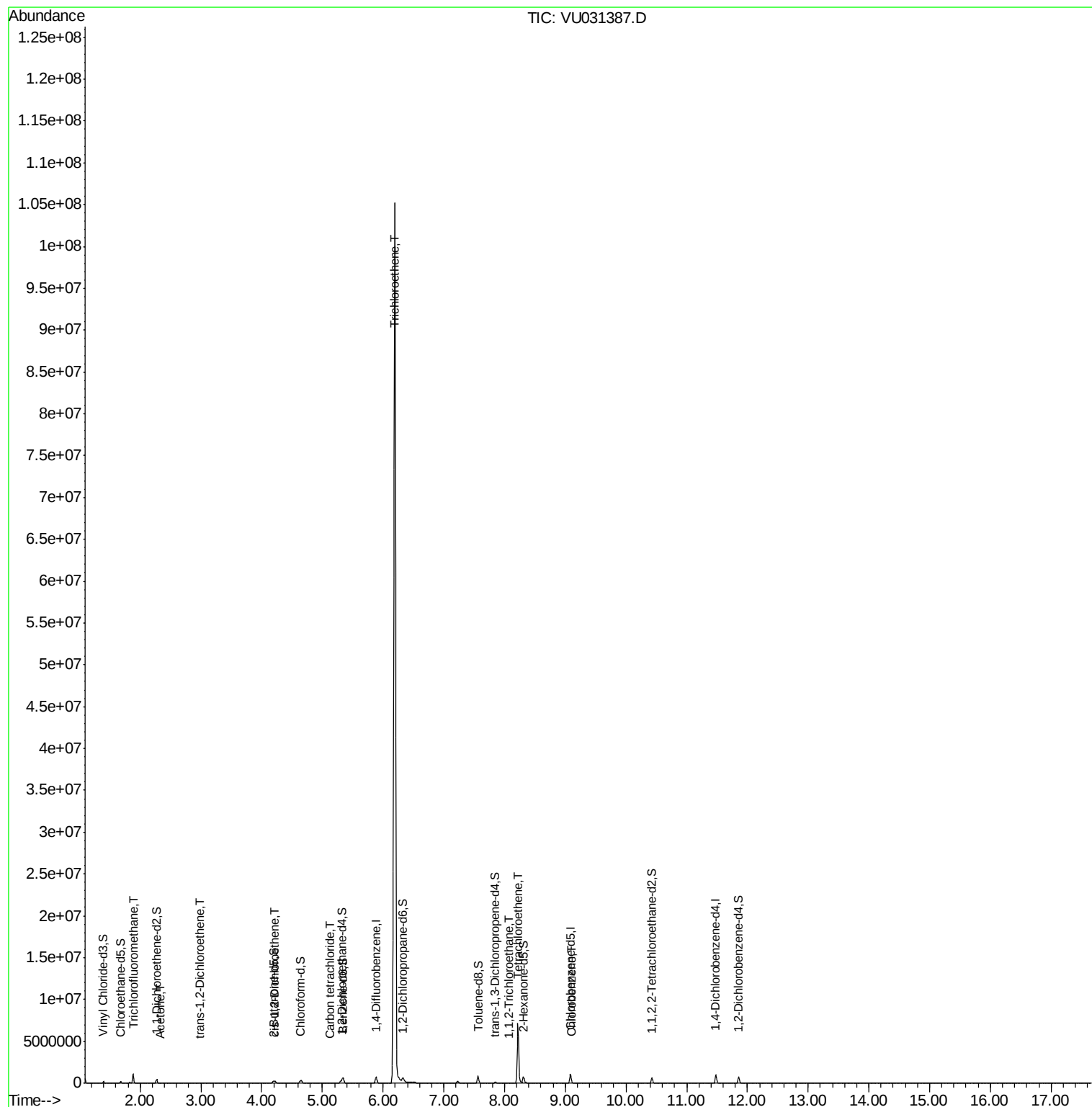
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042219\
Data File : VU031387.D
Acq On : 22 Apr 2019 12:28
Operator : JC/SP
Sample : K2428-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

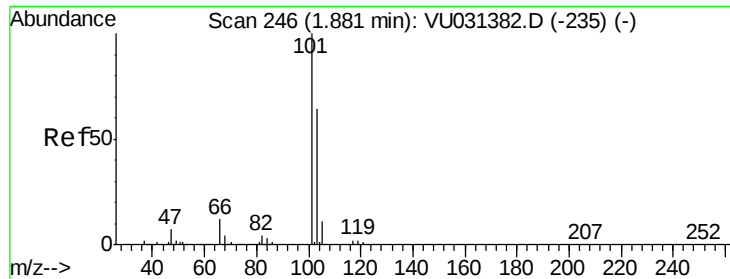
Instrument :
MSVOA_U
ClientSampleId :
C0X14

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Quant Time: Apr 23 01:31:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 00:59:20 2019
Response via : Initial Calibration





#9

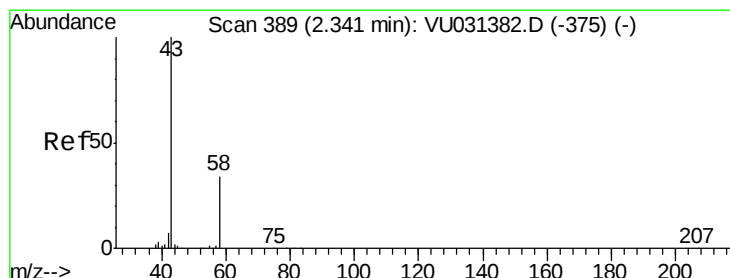
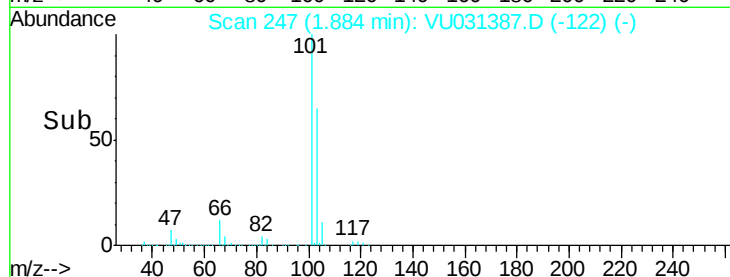
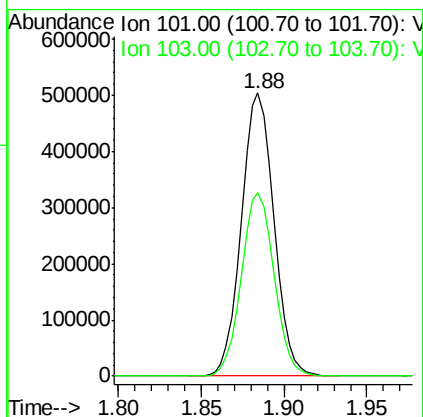
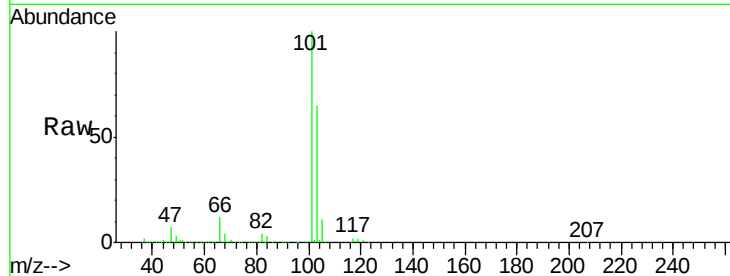
Trichlorofluoromethane
 Concen: 67.596 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031387.D
 Acq: 22 Apr 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X14

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	53.0	79.6

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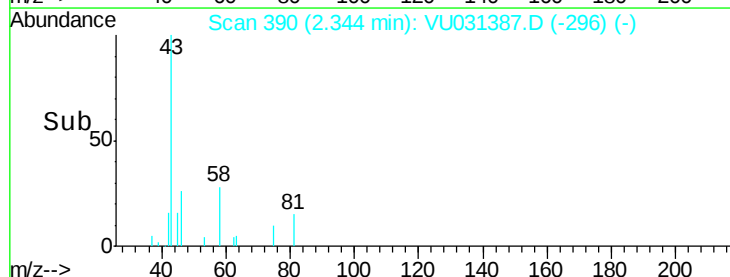
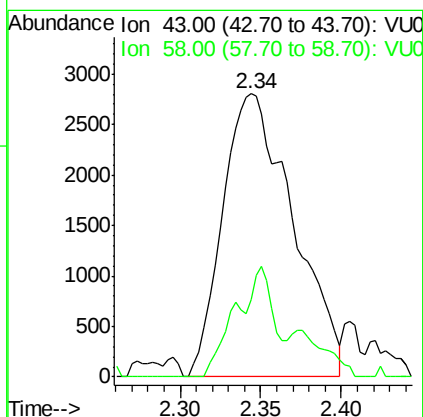
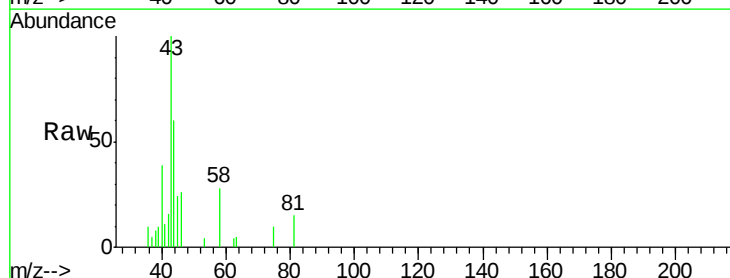
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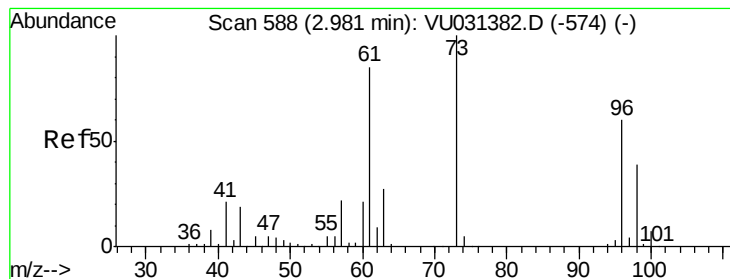


#13

Acetone
 Concen: 2.473 ug/L m
 RT: 2.34 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU031387.D
 Acq: 22 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	12.8	0.0	65.0





#17

trans-1,2-Dichloroethene

Concen: 1.236 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU031387.D

Acq: 22 Apr 2019 12:28

Instrument :

MSVOA_U

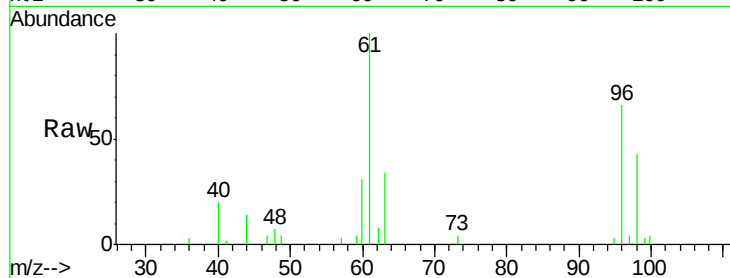
ClientSampled :

C0X14

Tot Ion:	96	Resp:	5900
Ion	Ratio	Lower	Upper
96	100		
61	150.9	105.5	195.9
98	64.4	45.4	84.4

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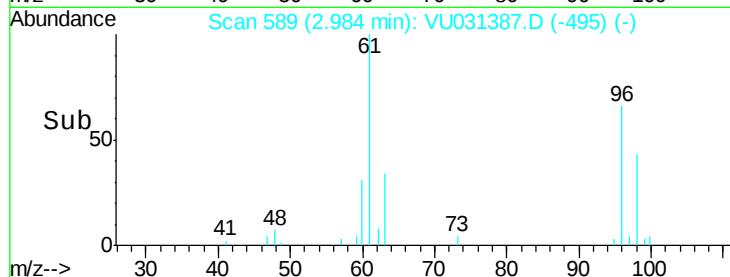


Abundance Ion 96.00 (95.70 to 96.70): VU031387.D (-495) (-)

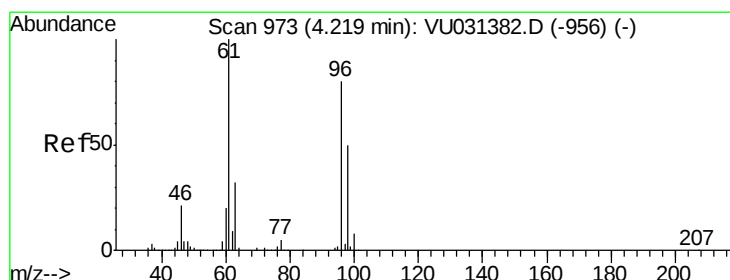
Ion 61.00 (60.70 to 61.70): VU031387.D (-495) (-)

Ion 98.00 (97.70 to 98.70): VU031387.D (-495) (-)

Time-->



Time-->



#20

cis-1,2-Dichloroethene

Concen: 10.802 ug/L

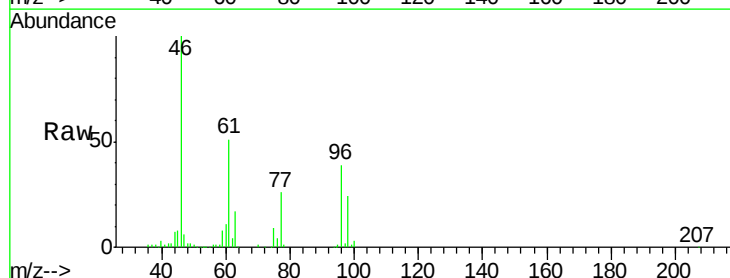
RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031387.D

Acq: 22 Apr 2019 12:28

Tgt Ion:	96	Resp:	59989
Ion	Ratio	Lower	Upper
96	100		
61	131.0	98.2	182.4
68	0.0	0.0	0.0

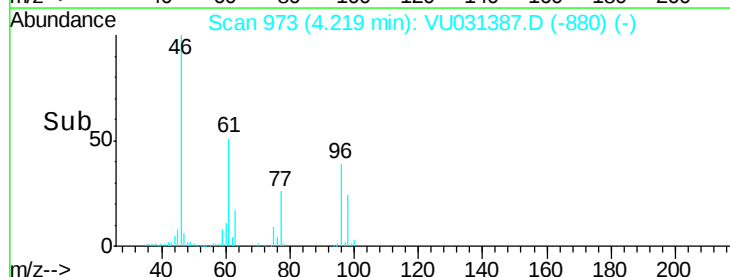


Abundance Ion 96.00 (95.70 to 96.70): VU031387.D (-880) (-)

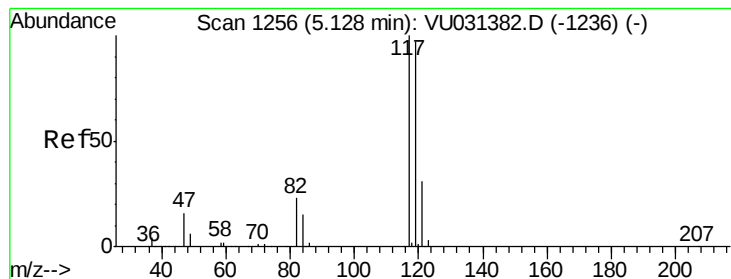
Ion 61.00 (60.70 to 61.70): VU031387.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031387.D (-880) (-)

Time-->



Time-->



#31

Carbon tetrachloride

Concen: 1.490 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031387.D

Acq: 22 Apr 2019 12:28

Instrument :

MSVOA_U

ClientSampled :

C0X14

Tot Ion:117 Resp: 10914

Ion Ratio Lower Upper

117 100

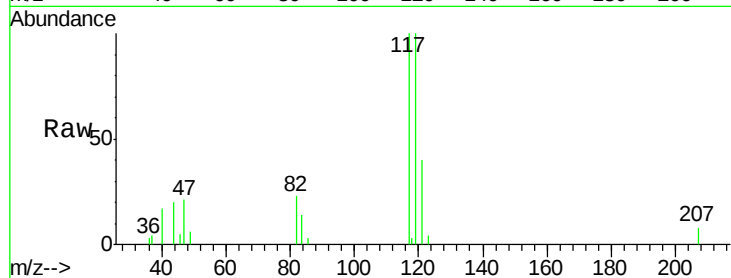
119 103.8 78.0 117.0

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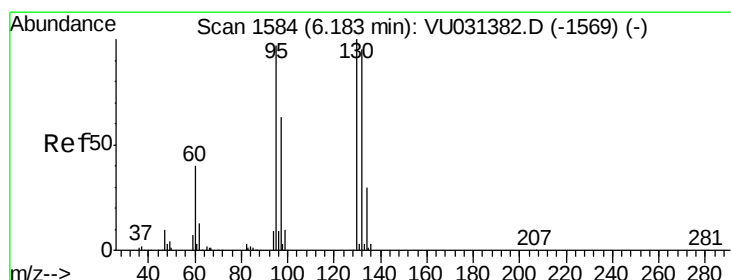
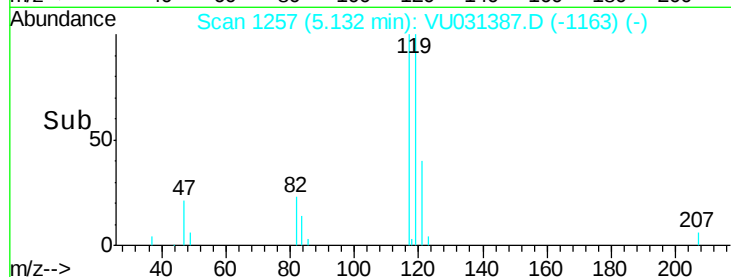
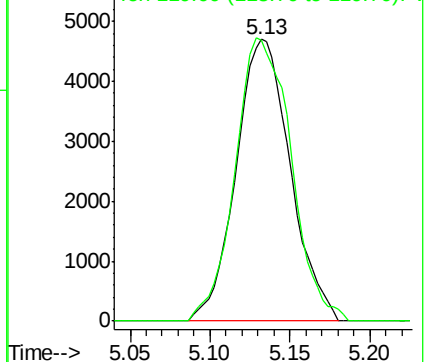
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 5015.398 ug/L m

RT: 6.17 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VU031387.D

Acq: 22 Apr 2019 12:28

Tgt Ion: 95 Resp:26999415

Ion Ratio Lower Upper

95 100

97 68.6 43.6 81.0

132 99.5 64.5 119.7

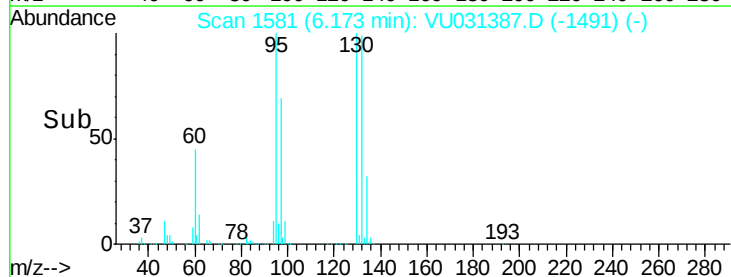
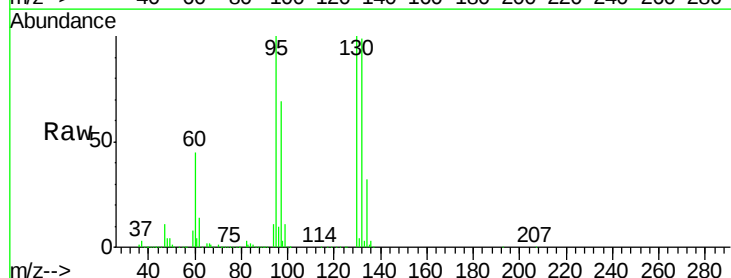
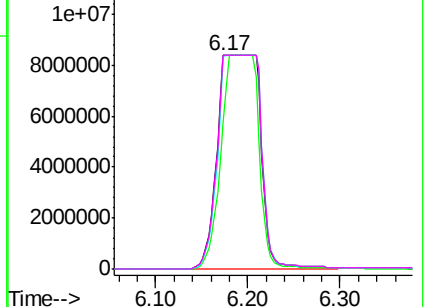
130 100.0 68.0 126.2

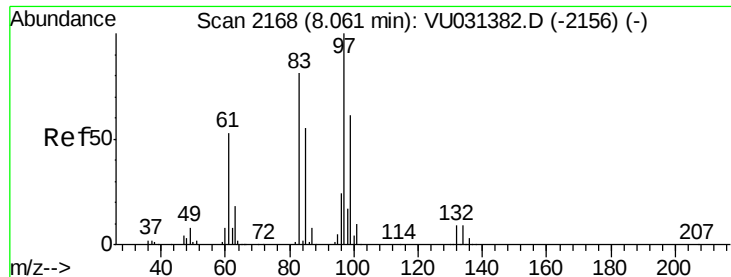
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





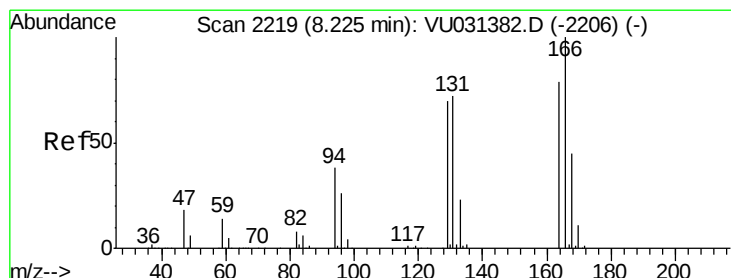
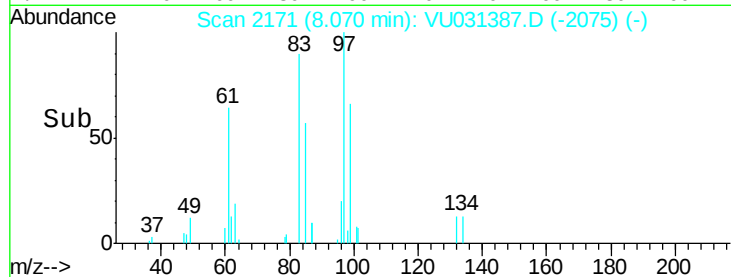
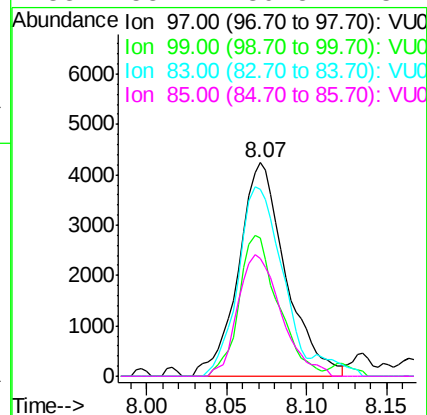
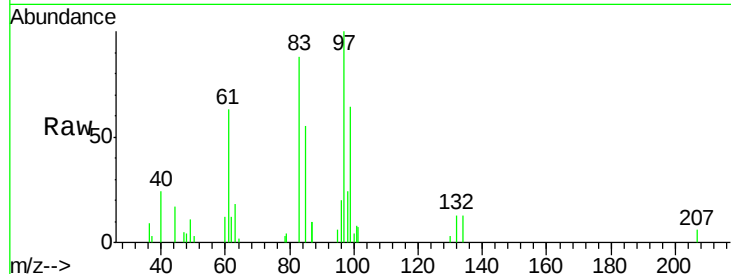
#45
1,1,2-Trichloroethane
Concen: 1.674 ug/L
RT: 8.07 min Scan# 2171
Delta R.T. 0.01 min
Lab File: VU031387.D
Acq: 22 Apr 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
C0X14

Tot Ion:	97	Resp:	8584
Ion	Ratio	Lower	Upper
97	100		
99	64.5	42.2	78.4
83	87.6	59.8	111.1
85	55.4	39.5	73.4

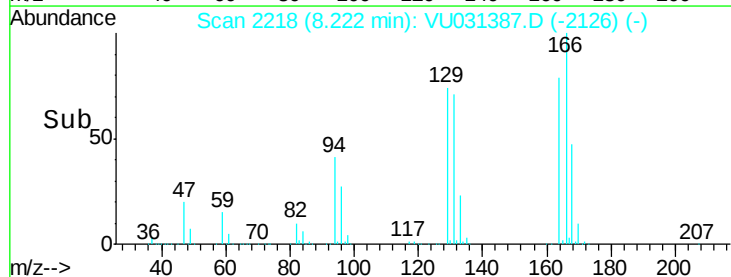
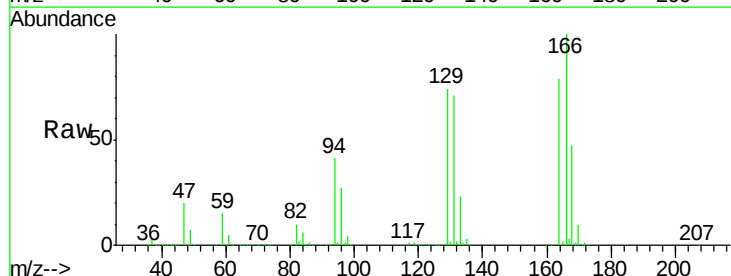
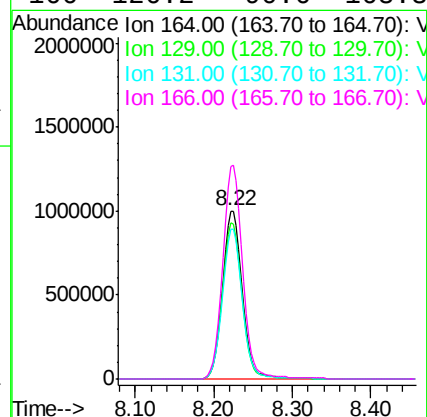
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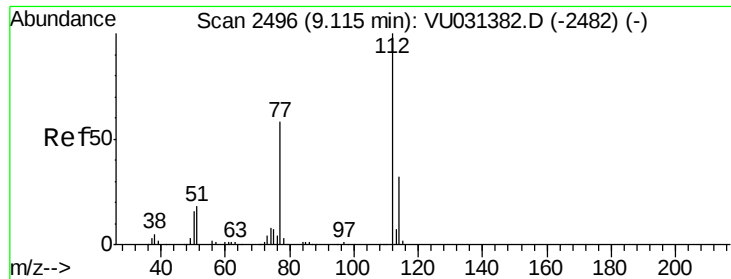
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#46
Tetrachloroethene
Concen: 427.446 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031387.D
Acq: 22 Apr 2019 12:28

Tgt Ion:	164	Resp:	1730731
Ion	Ratio	Lower	Upper
164	100		
129	92.8	66.5	123.5
131	89.0	62.3	115.7
166	126.2	90.6	168.3





#51
 Chlorobenzene
 Concen: 0.520 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. -0.00 min
 Lab File: VU031387.D
 Acq: 22 Apr 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X14

Tot Ion:	112	Resp:	6952
Ion Ratio	Lower	Upper	
112	100		
114	23.0	21.6	40.0
77	63.7	49.0	73.4

Manual Integrations
 APPROVED

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 4/23/2019 11:04:17 AM

