

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031412.D
 Acq On : 23 Apr 2019 00:25
 Operator : JC/SP
 Sample : K2477-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X63

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 11:35:40 AM

Quant Time: Apr 23 05:06:54 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	680980	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	631549	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	265830	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	274884	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.62%
7) Chloroethane-d5	1.68	69	222346	52.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.84%
11) 1,1-Dichloroethene-d2	2.27	63	390494	40.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.36%
21) 2-Butanone-d5	4.19	46	455507	110.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.41%
24) Chloroform-d	4.64	84	447791	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.86%
26) 1,2-Dichloroethane-d4	5.31	65	278194	52.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.64%
32) Benzene-d6	5.34	84	966223	52.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.92%
36) 1,2-Dichloropropane-d6	6.33	67	306870	52.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.54%
41) Toluene-d8	7.56	98	852347	52.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.85	79	133629	49.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.90%
47) 2-Hexanone-d5	8.31	63	330704	112.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	420502	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	296050	54.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	317984	43.742	ug/L	100
13) Acetone	2.35	43	7251m	2.239	ug/L	
17) trans-1,2-Dichloroethene	2.98	96	1643	0.384	ug/L #	72
20) cis-1,2-Dichloroethene	4.22	96	8272m	1.704	ug/L	
31) Carbon tetrachloride	5.14	117	8573m	1.487	ug/L	
34) Trichloroethene	6.18	95	11596223	2395.739	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	1841	0.412	ug/L #	81
46) Tetrachloroethene	8.22	164	284939	83.002	ug/L	98

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

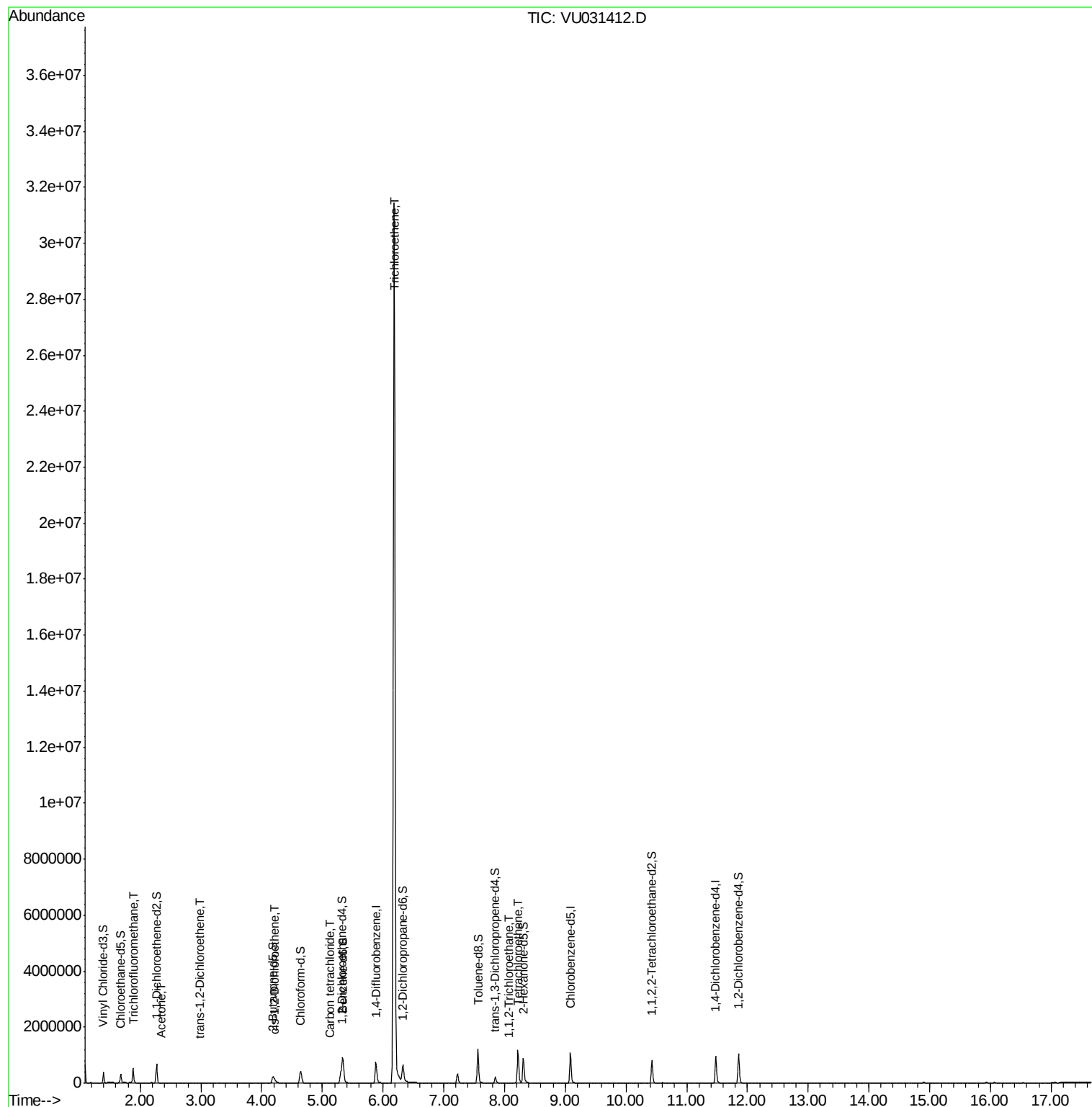
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031412.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
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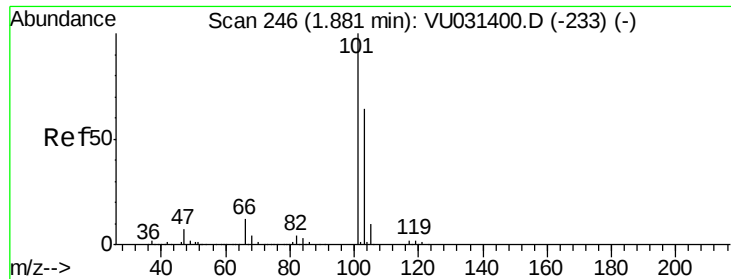
Instrument :
MSVOA_U
ClientSampleId :
C0X63

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration





#9

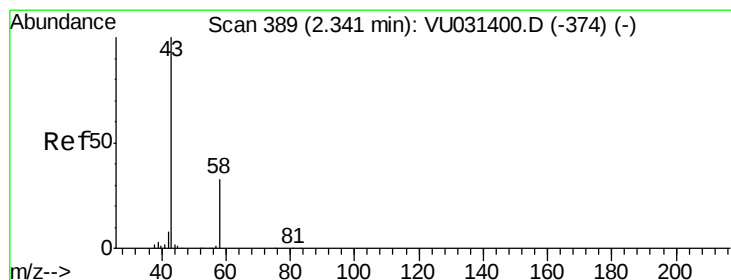
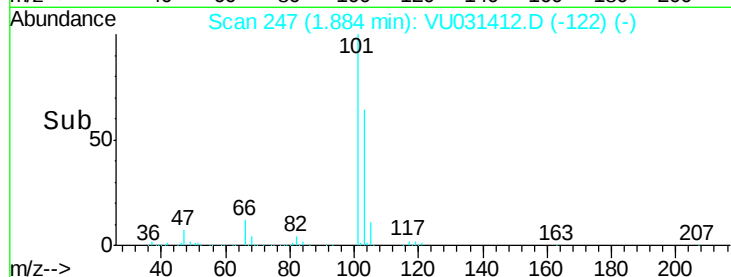
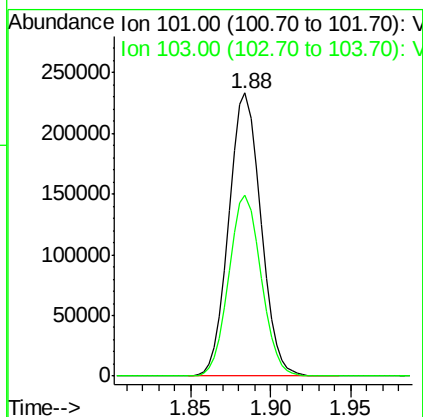
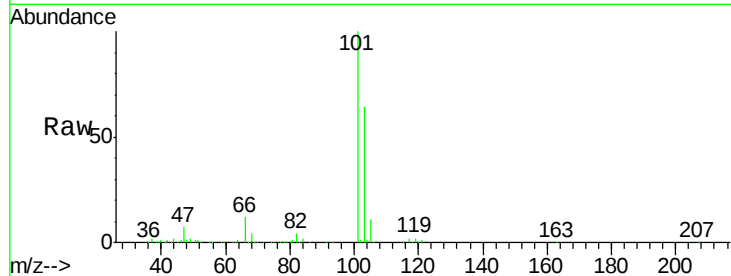
Trichlorofluoromethane
 Concen: 43.742 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031412.D
 Acq: 23 Apr 2019 00:25

Instrument :
 MSVOA_U
 ClientSampled :
 C0X63

Tot Ion	Ratio	Resp	Lower	Upper
101	100	317984		
103	64.6	51.4	77.2	

Manual Integrations
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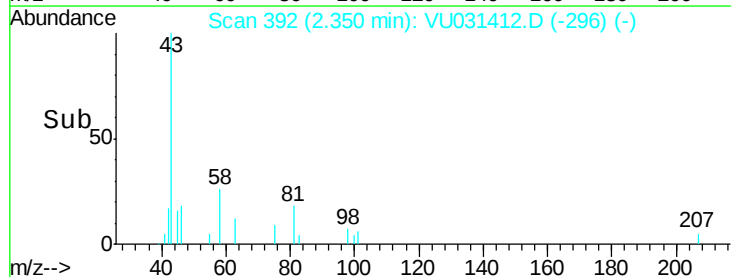
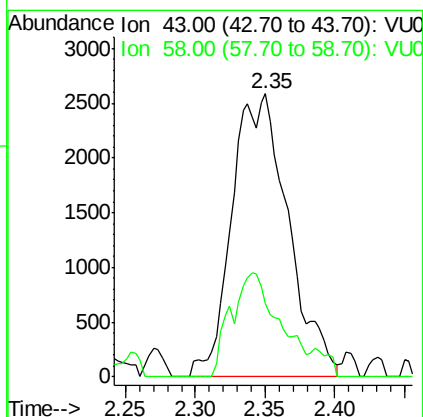
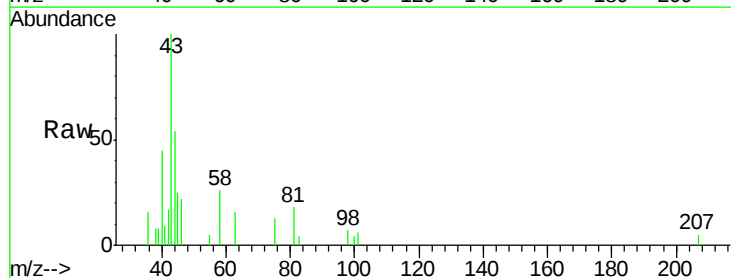
MMDadoda
 4/23/2019 11:35:40 AM

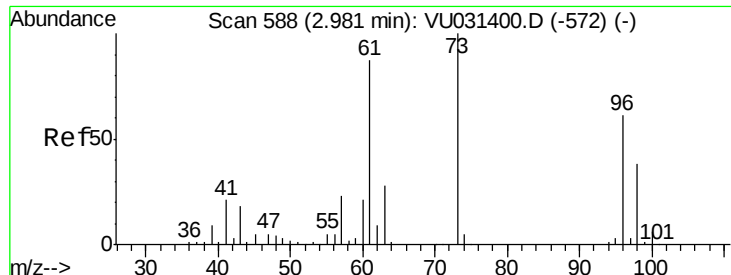


#13

Acetone
 Concen: 2.239 ug/L m
 RT: 2.35 min Scan# 392
 Delta R.T. 0.01 min
 Lab File: VU031412.D
 Acq: 23 Apr 2019 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	7251		
58	19.1	0.0	66.4	





#17

trans-1,2-Dichloroethene

Concen: 0.384 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:25

Instrument :

MSVOA_U

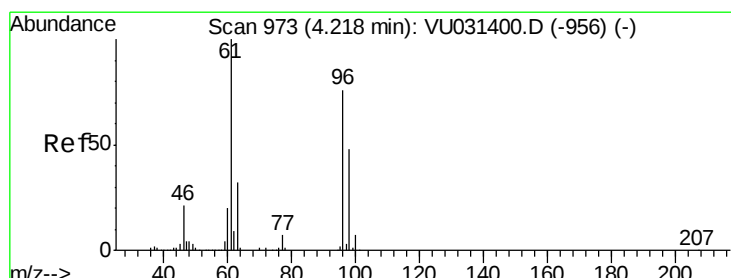
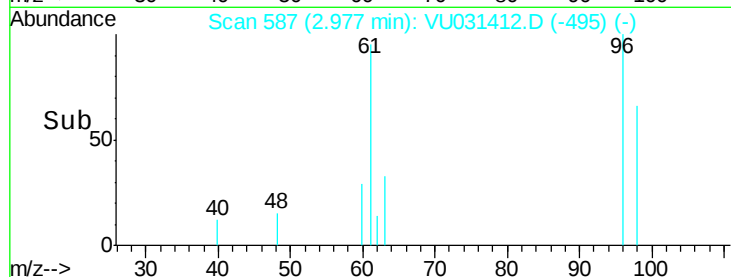
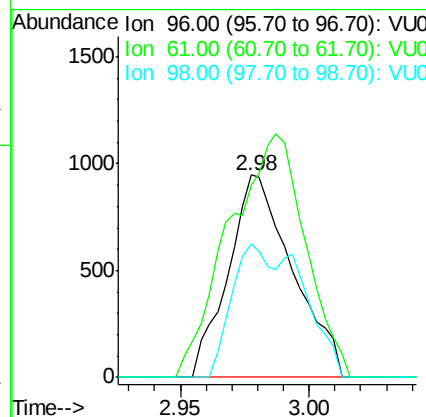
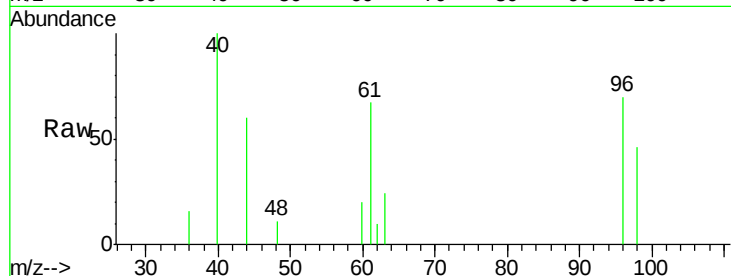
ClientSampled :

C0X63

Tot Ion:	96	Resp:	1643
Ion	Ratio	Lower	Upper
96	100		
61	95.0	100.3	186.3#
98	65.9	44.0	81.6

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 1.704 ug/L m

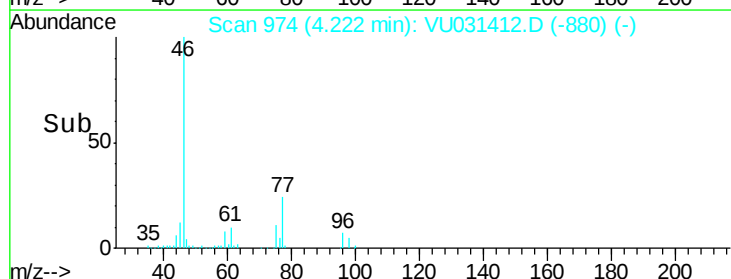
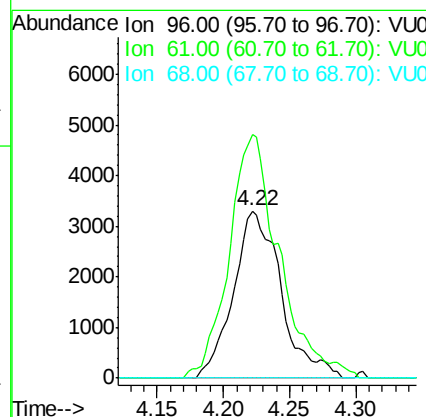
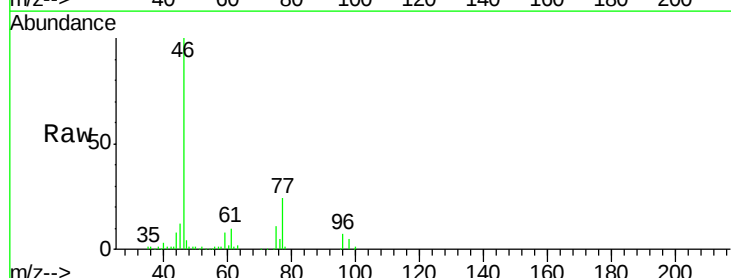
RT: 4.22 min Scan# 974

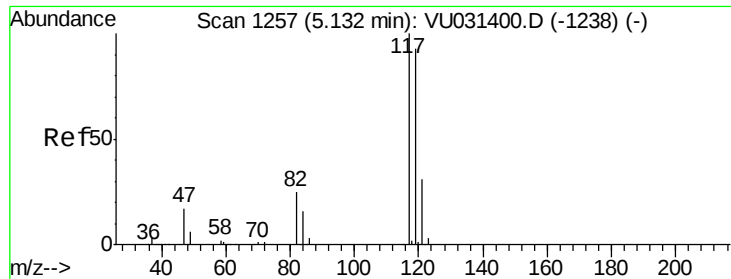
Delta R.T. 0.00 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:25

Tgt Ion:	96	Resp:	8272
Ion	Ratio	Lower	Upper
96	100		
61	145.6	91.9	170.7
68	0.0	0.0	0.0





#31

Carbon tetrachloride

Concen: 1.487 ug/L m

RT: 5.14 min Scan# 1259

Delta R.T. 0.01 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:25

Instrument :

MSVOA_U

ClientSampleId :

C0X63

Tot Ion:117 Resp: 8573

Ion Ratio Lower Upper

117 100

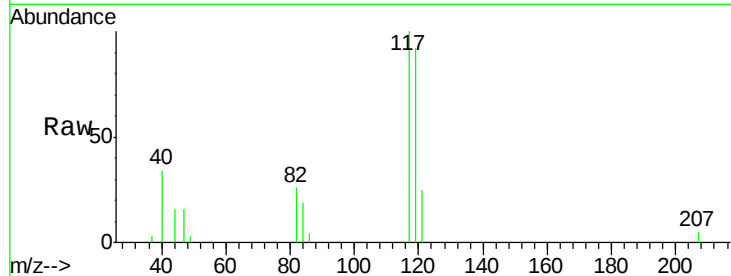
119 97.9 76.2 114.4

Manual Integrations

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.14

4000

3000

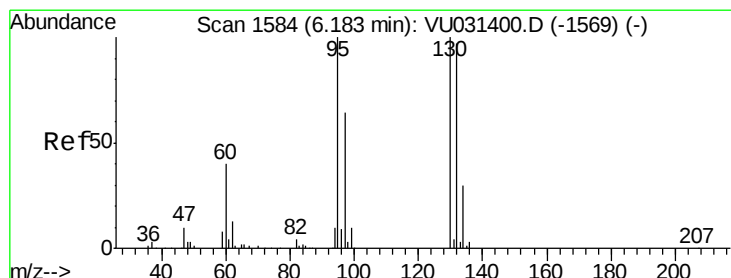
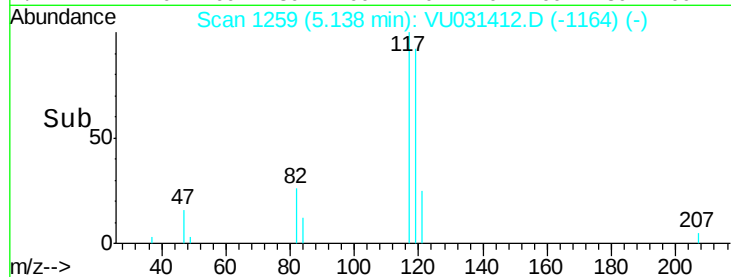
2000

1000

0

Time-->

5.05 5.10 5.15 5.20



#34

Trichloroethene

Concen: 2395.739 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:25

Tgt Ion: 95 Resp:11596223

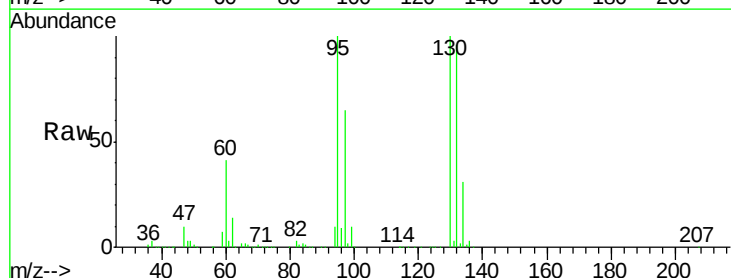
Ion Ratio Lower Upper

95 100

97 65.2 44.9 83.5

132 95.8 68.0 126.2

130 99.9 70.1 130.1



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

8000000

6000000

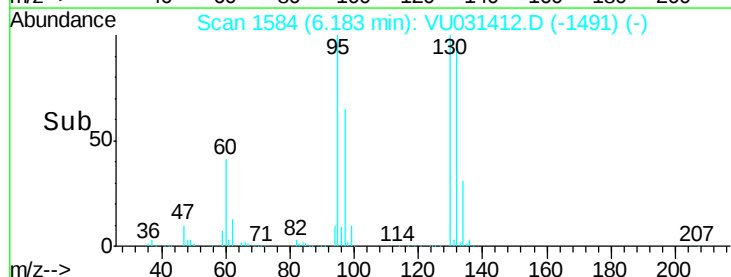
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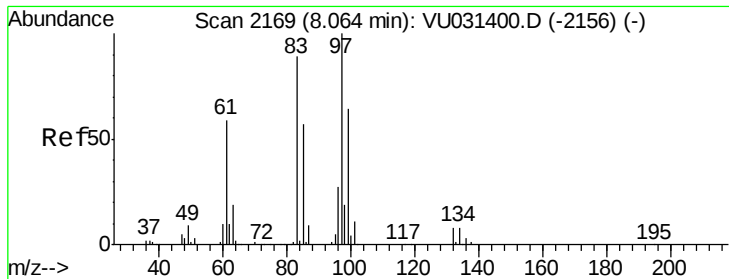
2000000

0

Time-->

6.10 6.20 6.30 6.40





#45

1,1,2-Trichloroethane

Concen: 0.412 ug/L

RT: 8.07 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:25

Instrument :

MSVOA_U

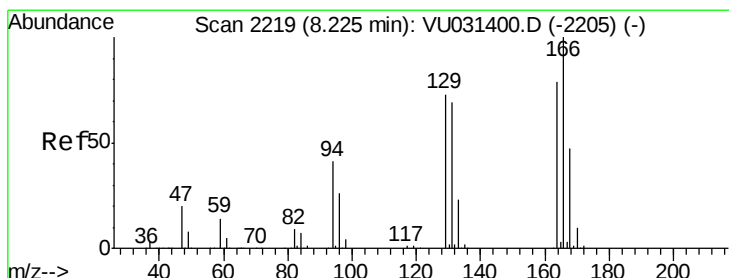
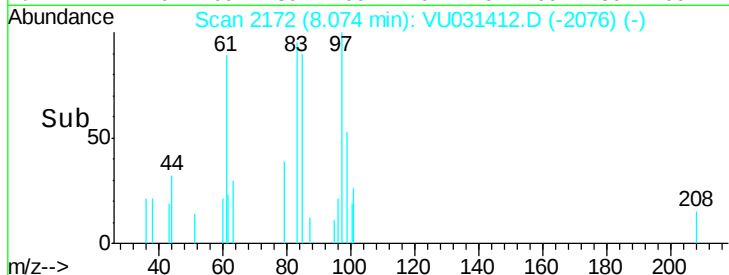
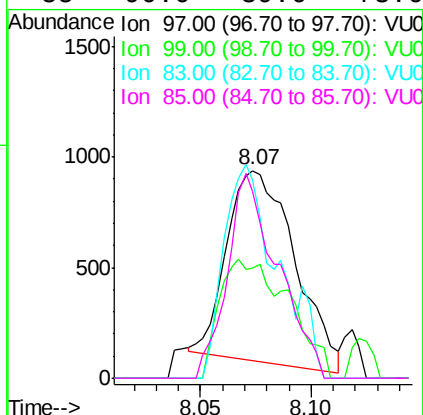
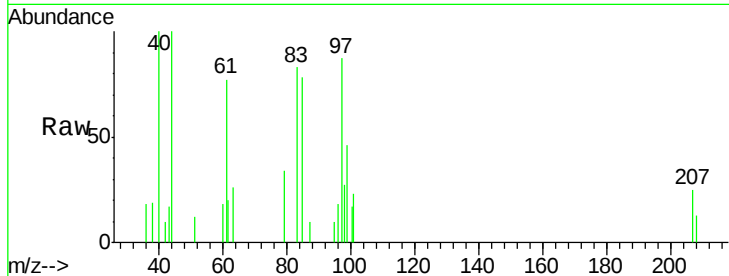
ClientSampled :

C0X63

Tot Ion:	97	Resp:	1841
Ion	Ratio	Lower	Upper
97	100		
99	53.3	44.9	83.3
83	95.4	62.5	116.1
85	90.0	39.6	73.6

Manual Integrations
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MMDadoda
4/23/2019 11:35:40 AM



#46

Tetrachloroethene

Concen: 83.002 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:25

Tgt Ion:	164	Resp:	284939
Ion	Ratio	Lower	Upper
164	100		
129	92.0	65.2	121.0
131	88.7	61.4	114.0
166	124.4	89.2	165.6

