

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042219\
 Data File : VU031386.D
 Acq On : 22 Apr 2019 12:05
 Operator : JC/SP
 Sample : K2428-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X13

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 11:04:13 AM

Quant Time: Apr 23 01:18:44 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	536413	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	458628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218835	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	184092	37.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.54%
7) Chloroethane-d5	1.68	69	156771	36.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.10%
11) 1,1-Dichloroethene-d2	2.27	63	269825	27.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.14%#
21) 2-Butanone-d5	4.19	46	295031	82.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.00%
24) Chloroform-d	4.64	84	267050	32.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.80%#
26) 1,2-Dichloroethane-d4	5.31	65	171149	33.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.44%#
32) Benzene-d6	5.34	84	560710	38.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.34%
36) 1,2-Dichloropropane-d6	6.33	67	183473	38.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.98%
41) Toluene-d8	7.56	98	535168	41.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.90%
43) trans-1,3-Dichloropropene-	7.85	79	88671	39.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.84%
47) 2-Hexanone-d5	8.31	63	232307	104.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	281066	43.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	190139	37.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.78%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	625986	76.604	ug/L	98
13) Acetone	2.35	43	6128	2.213	ug/L	87
17) trans-1,2-Dichloroethene	2.98	96	3770	0.987	ug/L	84
20) cis-1,2-Dichloroethene	4.23	96	43481	9.781	ug/L	83
31) Carbon tetrachloride	5.13	117	10617	2.022	ug/L	94
33) Benzene	5.39	78	10038	0.651	ug/L	100
34) Trichloroethene	6.18	95	22997047m	5958.350	ug/L	
45) 1,1,2-Trichloroethane	8.07	97	6401	1.741	ug/L #	87
46) Tetrachloroethene	8.22	164	815073	280.770	ug/L	98

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

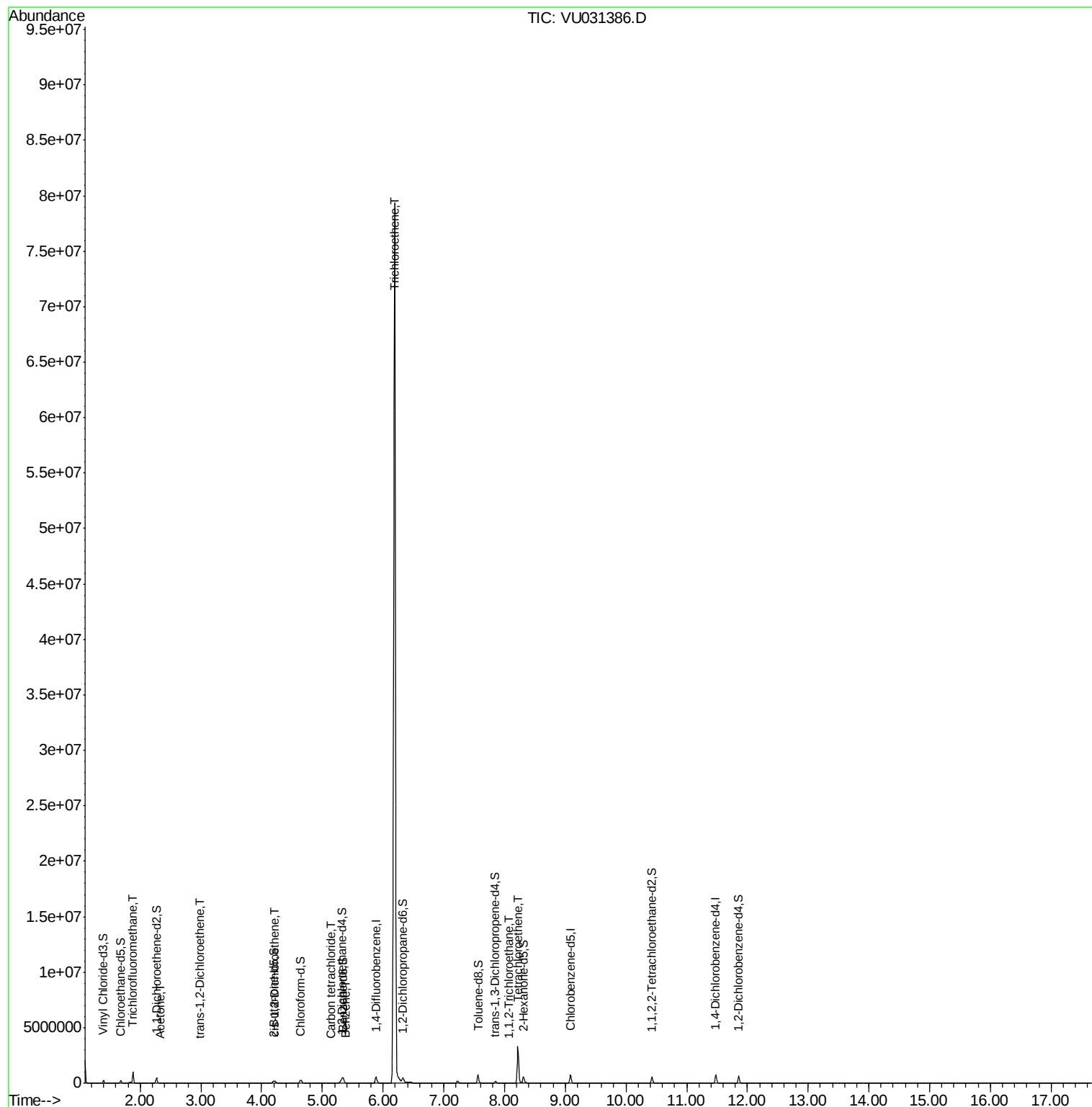
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042219\
Data File : VU031386.D
Acq On : 22 Apr 2019 12:05
Operator : JC/SP
Sample : K2428-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

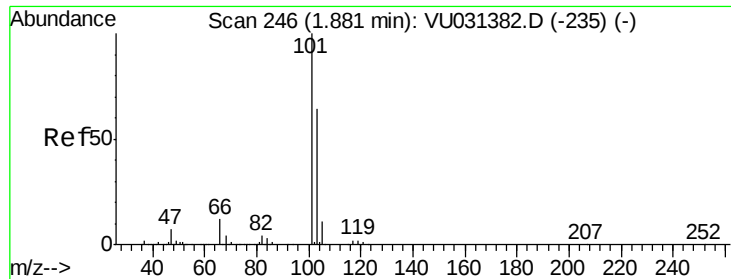
Instrument :
MSVOA_U
ClientSampleId :
C0X13

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QLast Update : Tue Apr 23 00:59:20 2019
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#9

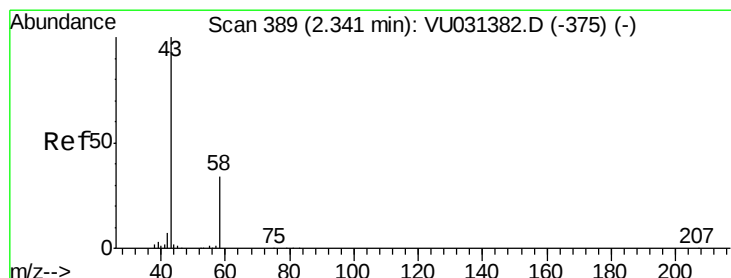
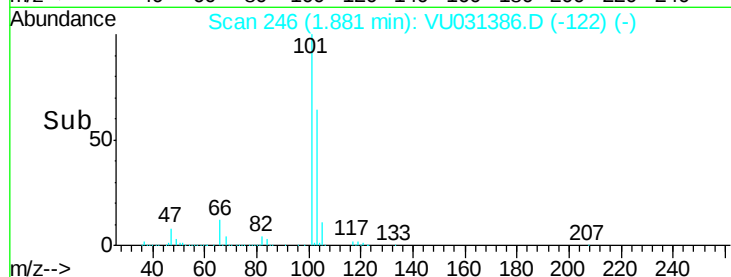
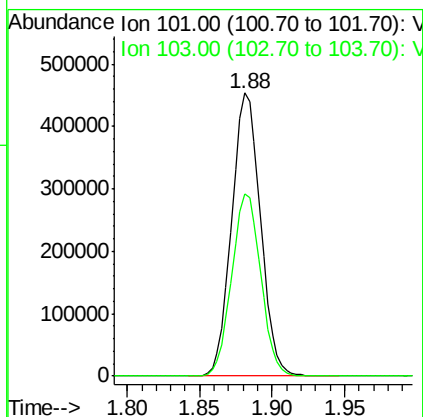
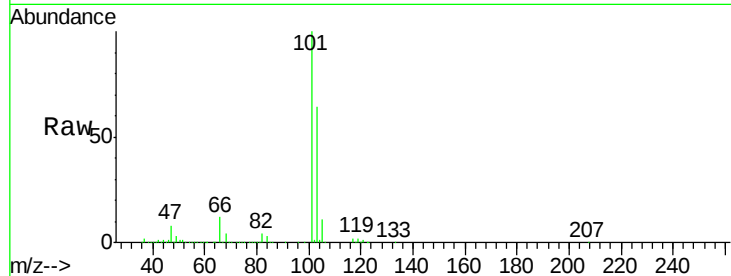
Trichlorofluoromethane
Concen: 76.604 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU031386.D
Acq: 22 Apr 2019 12:05

Instrument :
MSVOA_U
ClientSampled :
C0X13

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.0	79.6

Manual Integrations
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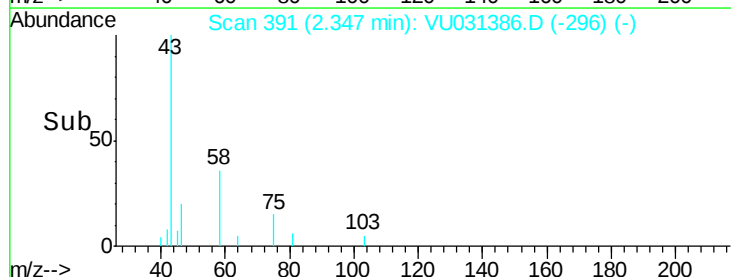
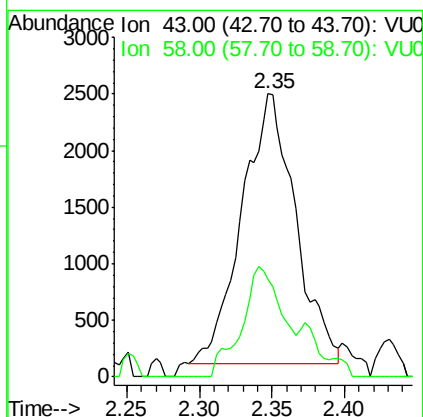
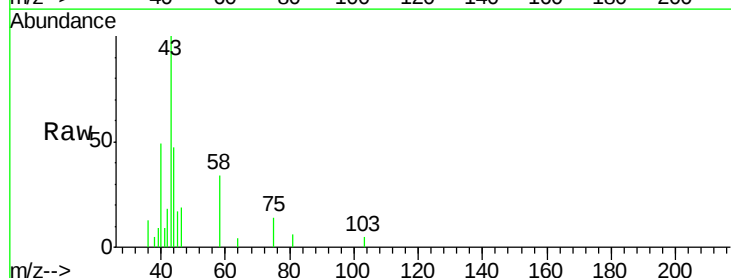
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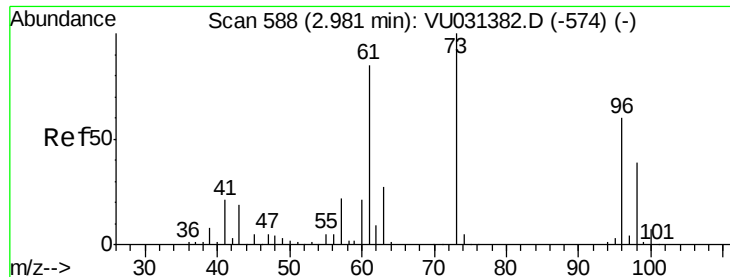


#13

Acetone
Concen: 2.213 ug/L
RT: 2.35 min Scan# 391
Delta R.T. 0.01 min
Lab File: VU031386.D
Acq: 22 Apr 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.5	0.0	65.0





#17

trans-1,2-Dichloroethene

Concen: 0.987 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031386.D

Acq: 22 Apr 2019 12:05

Instrument :

MSVOA_U

ClientSampled :

C0X13

Tot Ion: 96 Resp: 3770

Ion Ratio Lower Upper

96 100

61 131.2 105.5 195.9

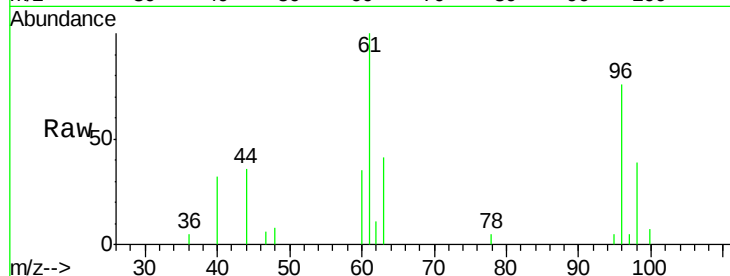
98 50.8 45.4 84.4

Manual Integrations

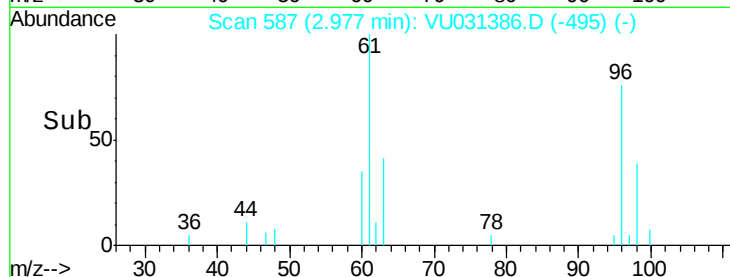
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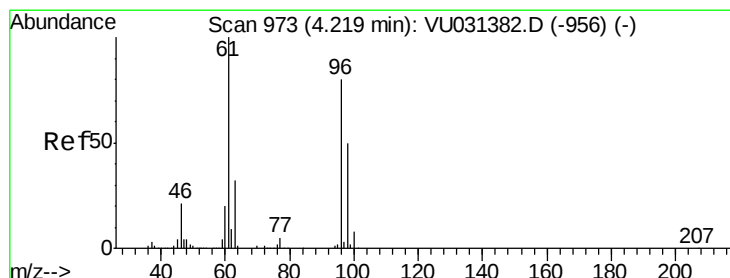
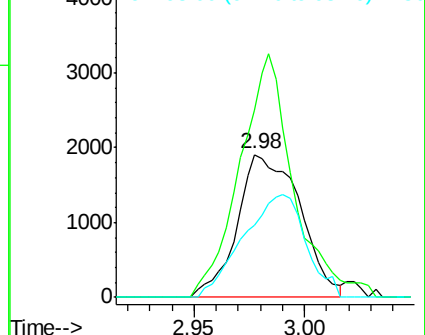
Abundance Ion 96.00 (95.70 to 96.70): VU031386.D (-495) (-)



Ion 61.00 (60.70 to 61.70): VU031386.D (-495) (-)

Ion 98.00 (97.70 to 98.70): VU031386.D (-495) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 9.781 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031386.D

Acq: 22 Apr 2019 12:05

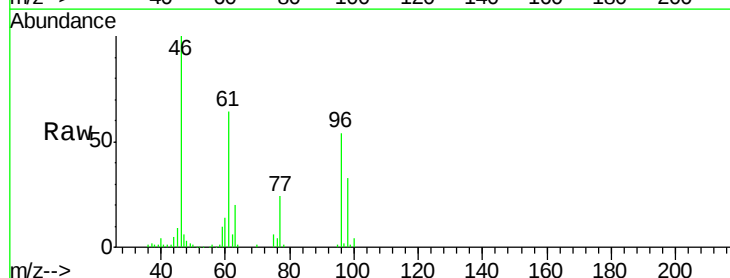
Tgt Ion: 96 Resp: 43481

Ion Ratio Lower Upper

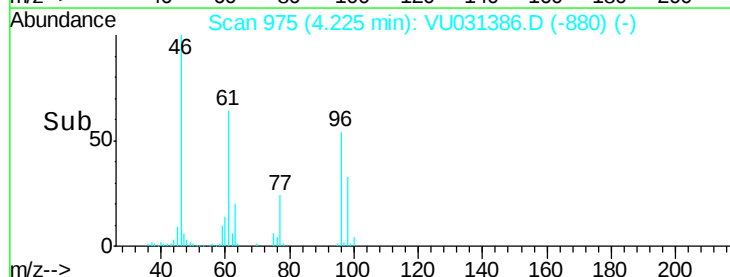
96 100

61 119.7 98.2 182.4

68 0.0 0.0 0.0



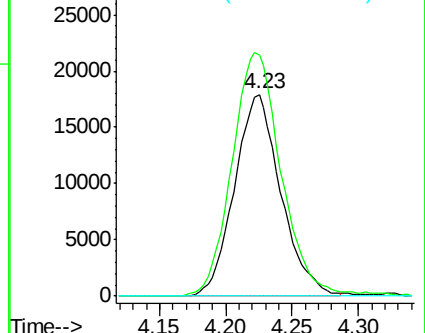
Abundance Ion 96.00 (95.70 to 96.70): VU031386.D (-880) (-)

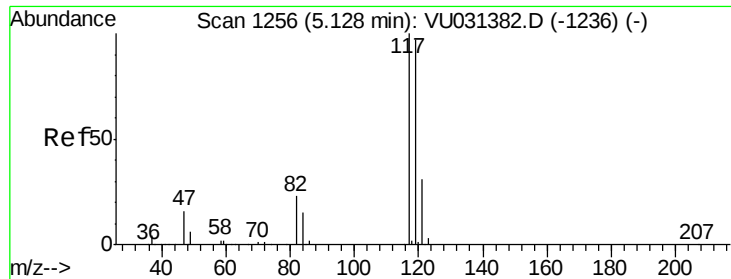


Ion 61.00 (60.70 to 61.70): VU031386.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031386.D (-880) (-)

Time-->





#31

Carbon tetrachloride

Concen: 2.022 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031386.D

Acq: 22 Apr 2019 12:05

Instrument :

MSVOA_U

ClientSampled :

C0X13

Tot Ion:117 Resp: 10617

Ion Ratio Lower Upper

117 100

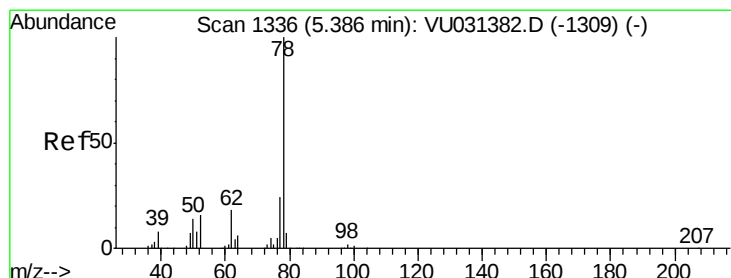
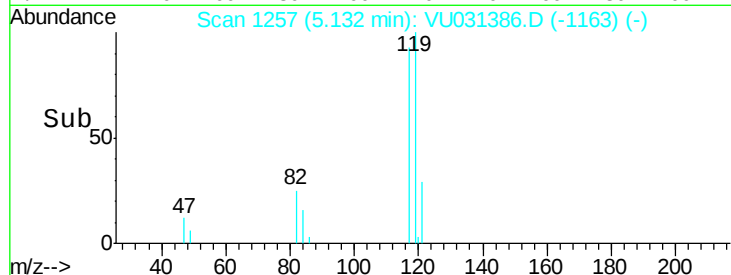
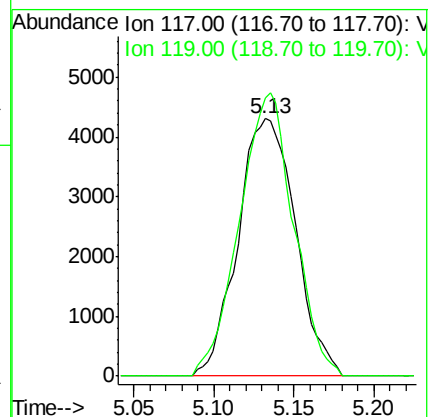
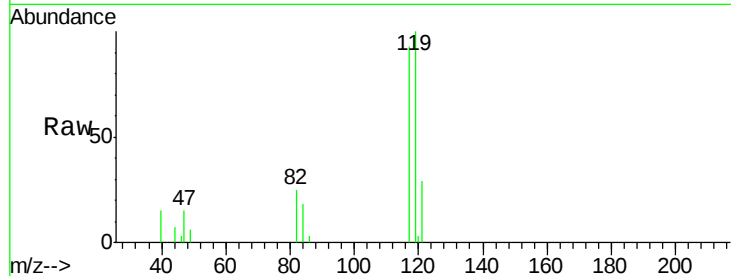
119 103.8 78.0 117.0

Manual Integrations

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#33

Benzene

Concen: 0.651 ug/L

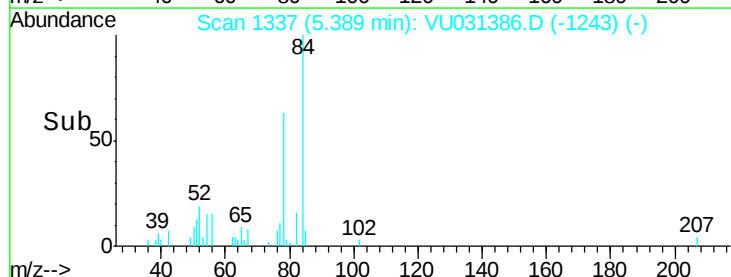
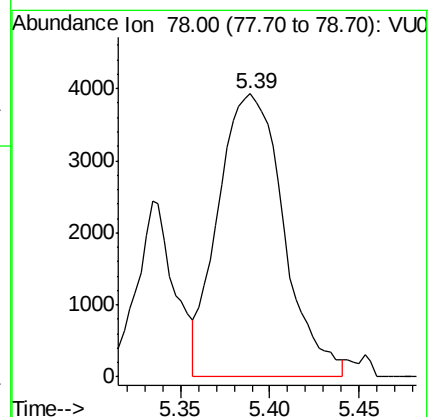
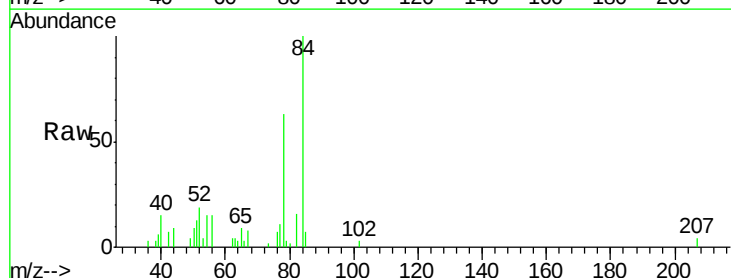
RT: 5.39 min Scan# 1337

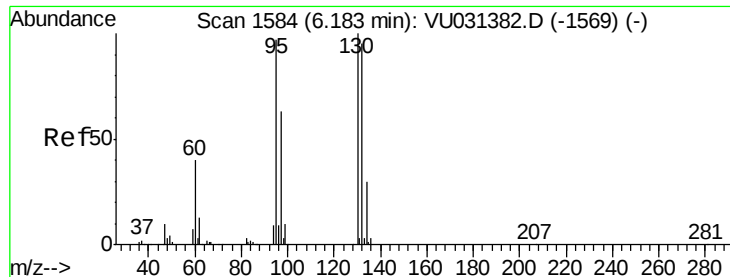
Delta R.T. 0.00 min

Lab File: VU031386.D

Acq: 22 Apr 2019 12:05

Tgt Ion: 78 Resp: 10038





#34

Trichloroethene

Concen: 5958.350 ug/L m

RT: 6.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: VU031386.D

Acq: 22 Apr 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

C0X13

Tot Ion: 95 Resp: 22997047

Ion Ratio Lower Upper

95 100

97 73.1 43.6 81.0

132 100.0 64.5 119.7

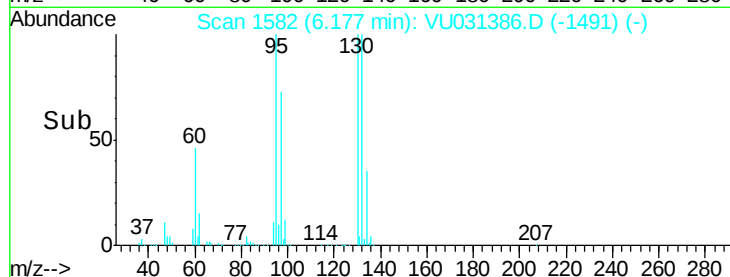
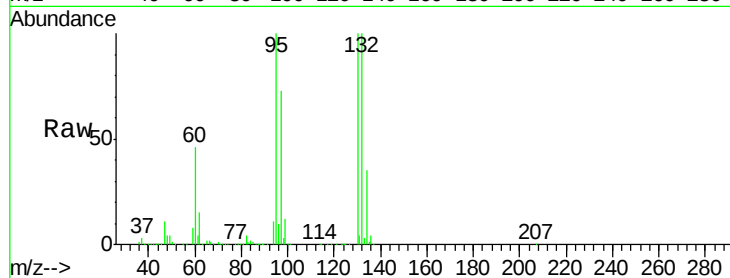
130 100.0 68.0 126.2

Manual Integrations

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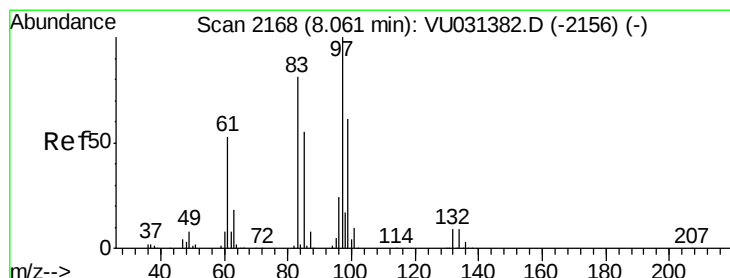
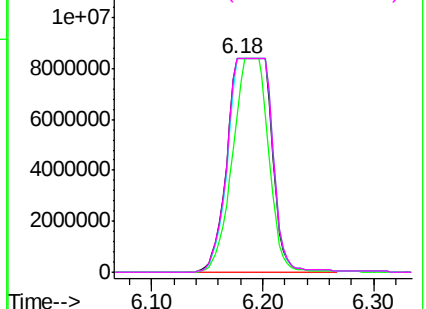
Abundance

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: 1.741 ug/L

RT: 8.07 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VU031386.D

Acq: 22 Apr 2019 12:05

Tgt Ion: 97 Resp: 6401

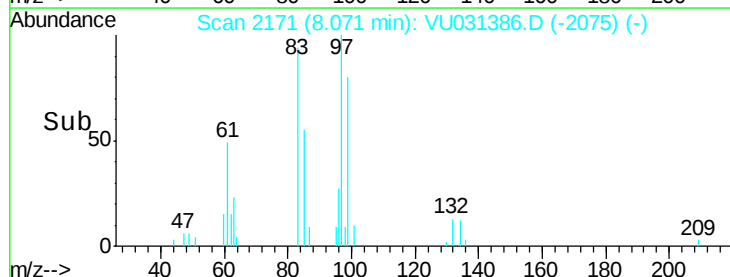
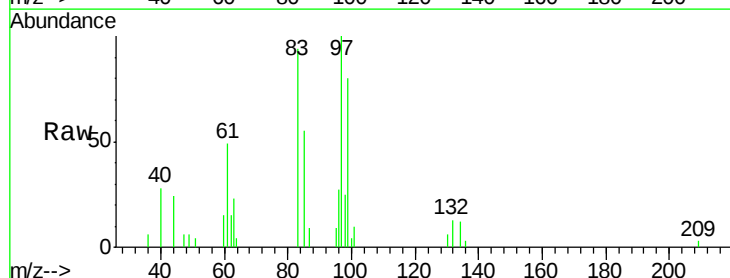
Ion Ratio Lower Upper

97 100

99 80.3 42.2 78.4#

83 94.4 59.8 111.1

85 55.0 39.5 73.4



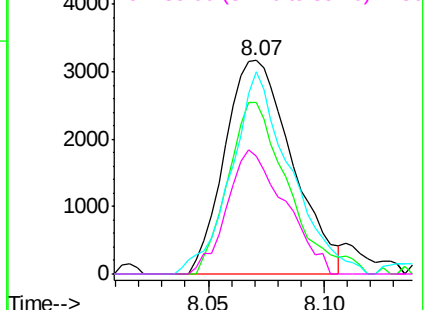
Abundance

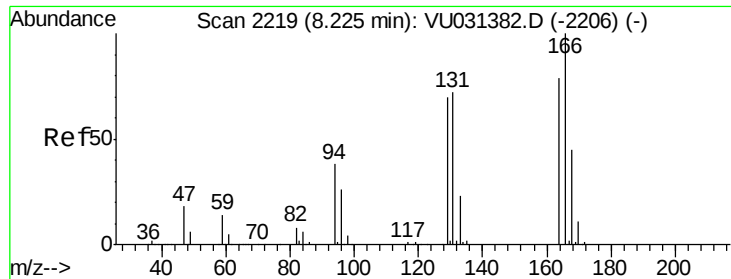
Ion 97.00 (96.70 to 97.70): VU0

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: 280.770 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031386.D
Acq: 22 Apr 2019 12:05

Instrument :
MSVOA_U
ClientSampleId :
C0X13

Tot Ion	Ratio	Resp	Lower	Upper
164	100	815073		
129	92.5		66.5	123.5
131	88.4		62.3	115.7
166	127.0		90.6	168.3

Manual Integrations
APPROVED

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4/23/2019 11:04:13 AM

