

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040719\
 Data File : VU030839.D
 Acq On : 07 Apr 2019 06:28
 Operator : JC/SP
 Sample : K2249-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE3

Manual Integrations
 APPROVED

MMDadoda
 4/10/2019 9:29:00 AM

Quant Time: Apr 09 01:25:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 07:03:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	436186	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	425056	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	167712	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	199700	51.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.58%
7) Chloroethane-d5	1.68	69	160459	54.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.27	63	333328	47.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.66%
21) 2-Butanone-d5	4.17	46	318642	103.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.25%
24) Chloroform-d	4.64	84	313079	52.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	5.31	65	219201	54.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.02%
32) Benzene-d6	5.33	84	633384	51.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.08%
36) 1,2-Dichloropropane-d6	6.32	67	225593	53.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.10%
41) Toluene-d8	7.56	98	513832	46.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.44%
43) trans-1,3-Dichloropropene-	7.85	79	83937	43.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.58%
47) 2-Hexanone-d5	8.31	63	180683	92.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294821	51.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	178375	54.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.16%

Target Compounds

					Ovalue
9) Trichlorofluoromethane	1.88	101	5097	0.912 ug/L	95
12) 1,1-Dichloroethene	2.28	96	110170m	36.539 ug/L	
13) Acetone	2.32	43	15867	5.025 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	7091	2.215 ug/L	87
19) 1,1-Dichloroethane	3.44	63	552787	83.670 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	1082964	306.363 ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	8312206	1604.630 ug/L	100
34) Trichloroethene	6.18	95	111452	32.669 ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	15922	4.767 ug/L	96
46) Tetrachloroethene	8.22	164	265124	106.891 ug/L	99

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

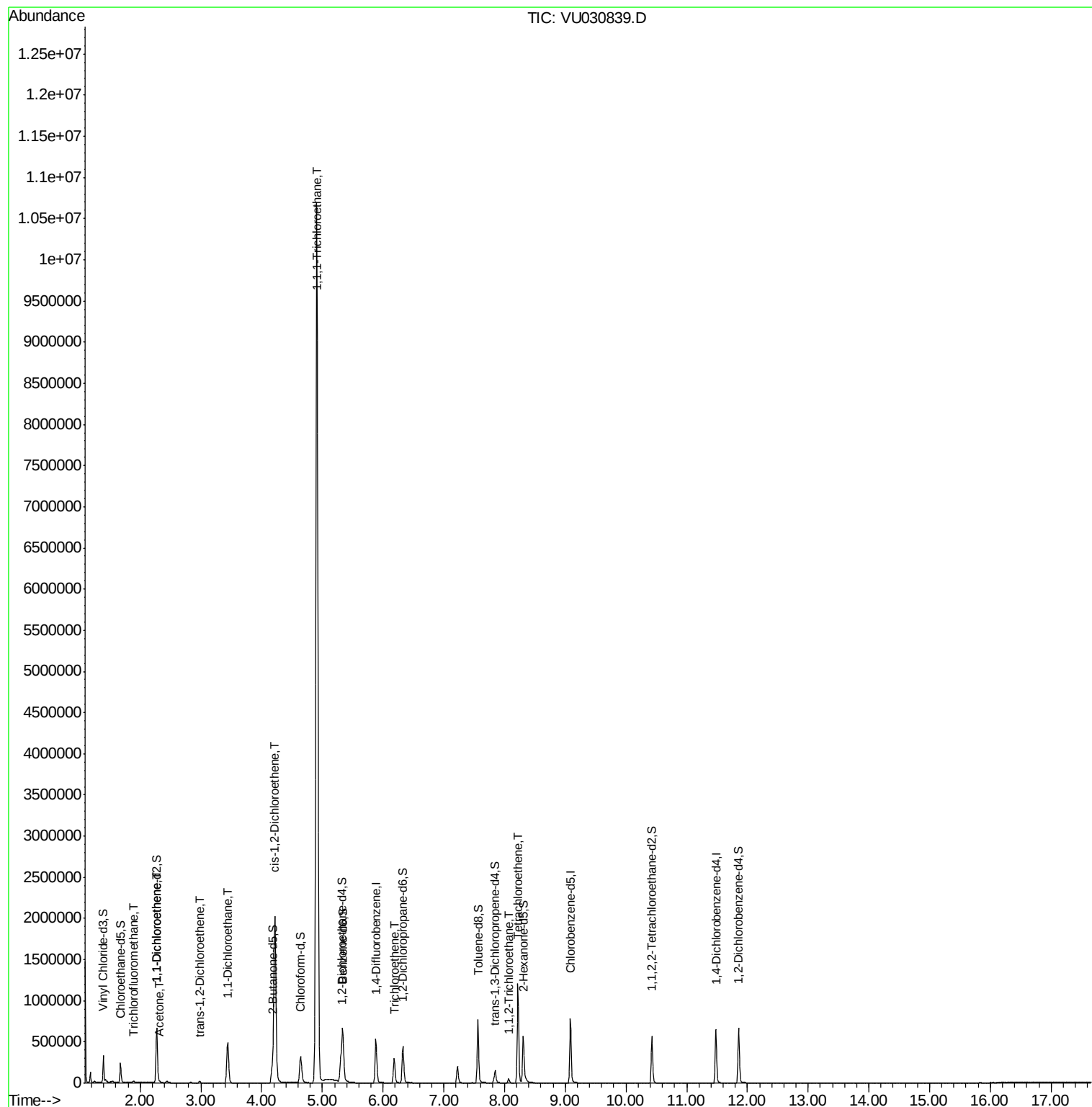
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040719\
Data File : VU030839.D
Acq On : 07 Apr 2019 06:28
Operator : JC/SP
Sample : K2249-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 49 Sample Multiplier: 1

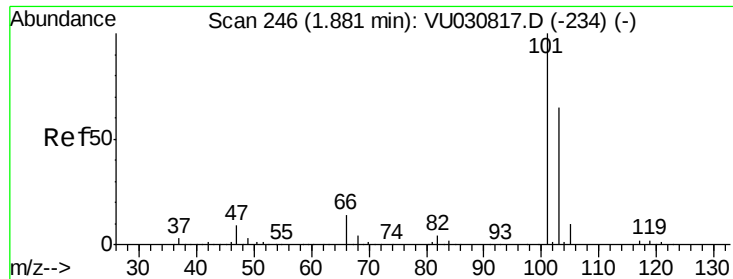
Instrument :
MSVOA_U
ClientSampleId :
E3YE3

Manual Integrations
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Quant Time: Apr 09 01:25:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 07:03:53 2019
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#9

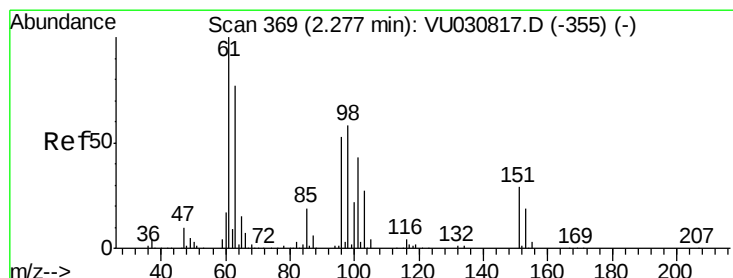
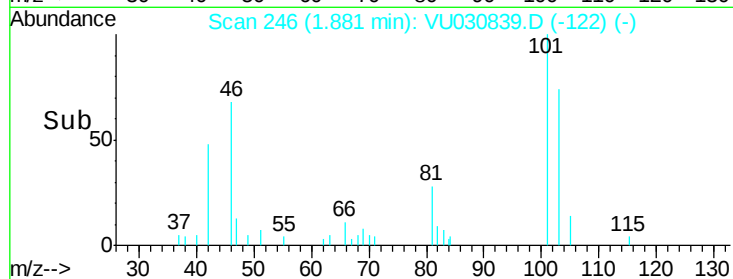
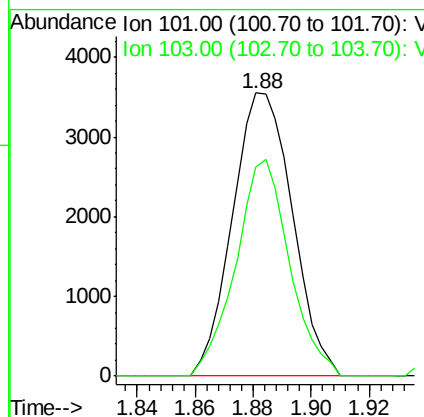
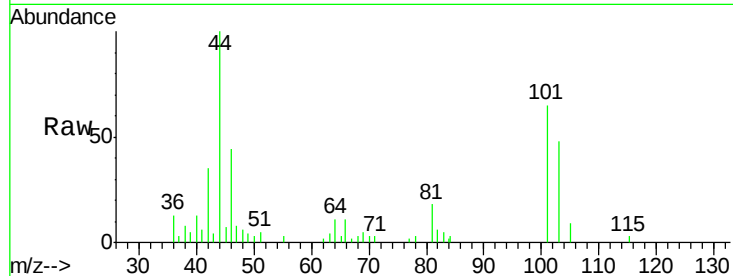
Trichlorofluoromethane
Concen: 0.912 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU030839.D
Acq: 07 Apr 2019 06:28

Instrument :
MSVOA_U
ClientSampleId :
E3YE3

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	51.8	77.8

Manual Integrations
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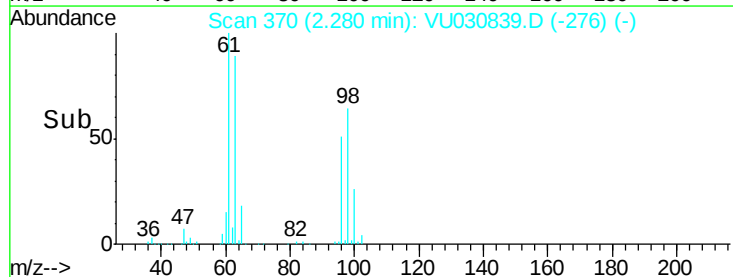
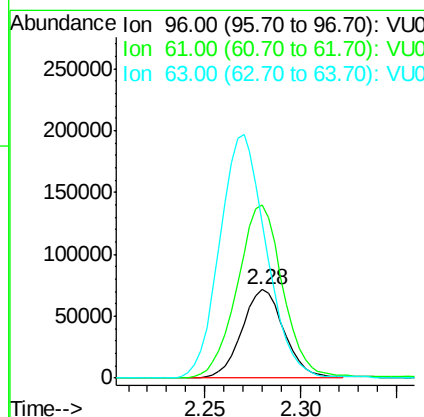
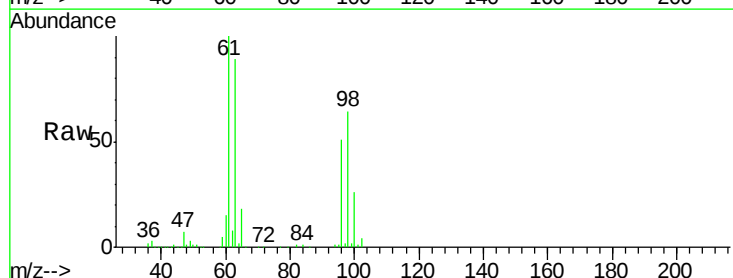
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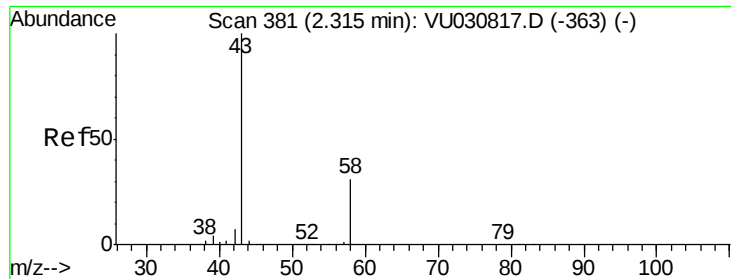


#12

1,1-Dichloroethene
Concen: 36.539 ug/L m
RT: 2.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VU030839.D
Acq: 07 Apr 2019 06:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.7	132.0	245.2
63	175.7	90.9	168.9#





#13

Acetone

Concen: 5.025 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030839.D

Acq: 07 Apr 2019 06:28

Instrument :

MSVOA_U

ClientSampled :

E3YE3

Tot Ion: 43 Resp: 15867

Ion Ratio Lower Upper

43 100

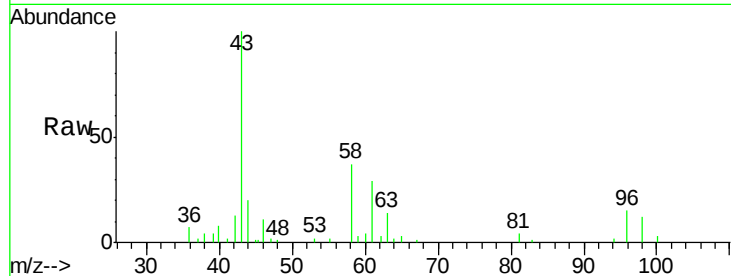
58 32.4 0.0 64.0

Manual Integrations

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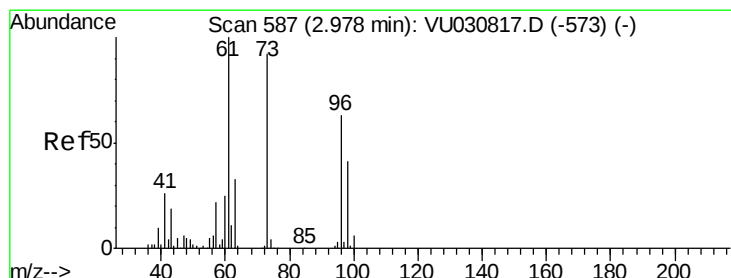
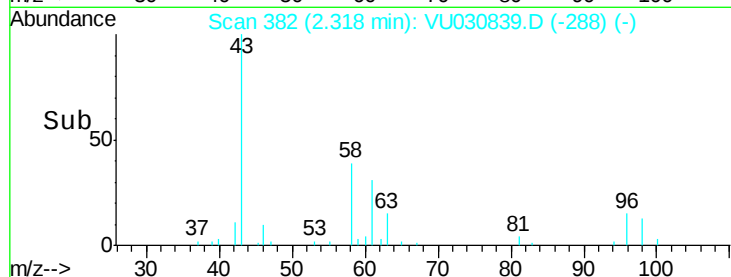
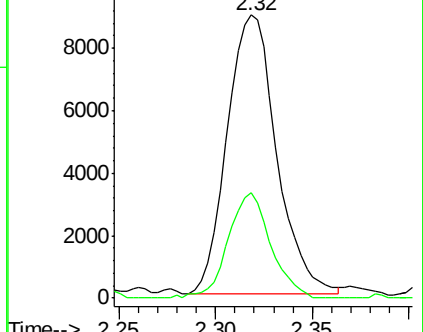
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Abundance Ion 43.00 (42.70 to 43.70): VU030839.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU030839.D (-288) (-)



#17

trans-1,2-Dichloroethene

Concen: 2.215 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030839.D

Acq: 07 Apr 2019 06:28

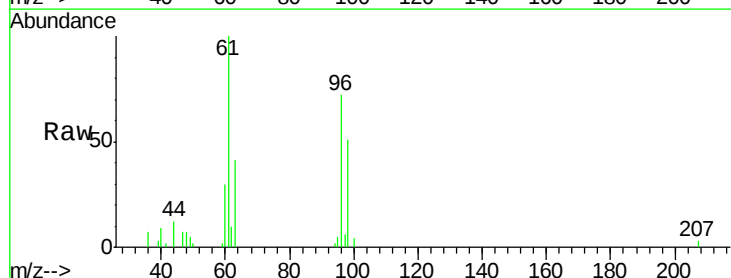
Tgt Ion: 96 Resp: 7091

Ion Ratio Lower Upper

96 100

61 139.0 109.5 203.3

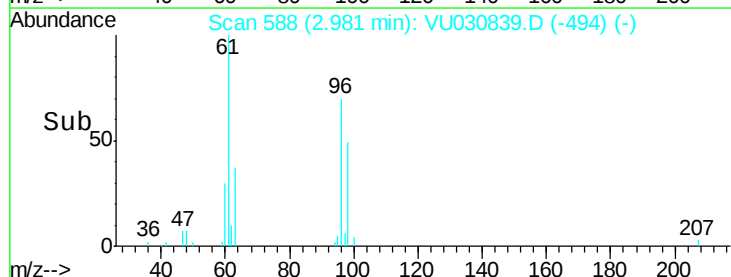
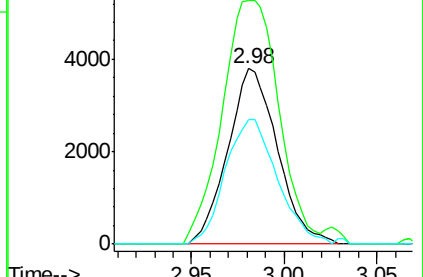
98 71.2 44.0 81.6

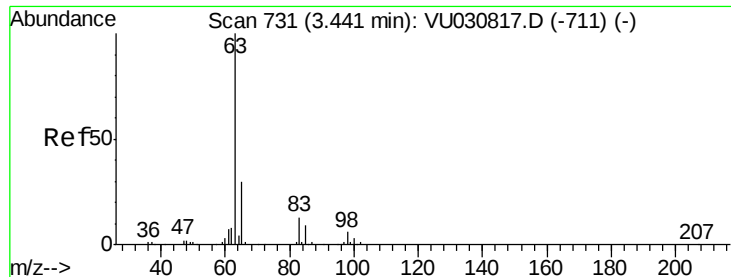


Abundance Ion 96.00 (95.70 to 96.70): VU030839.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU030839.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU030839.D (-494) (-)





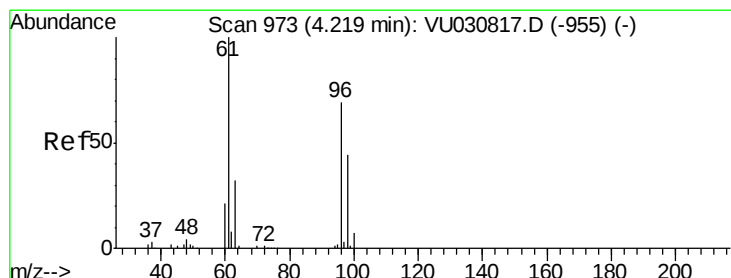
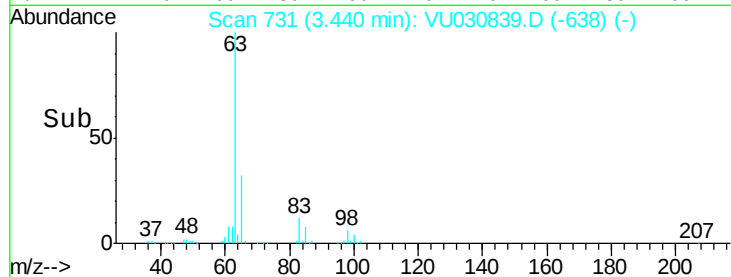
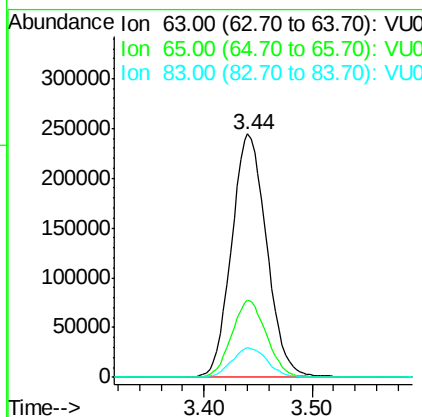
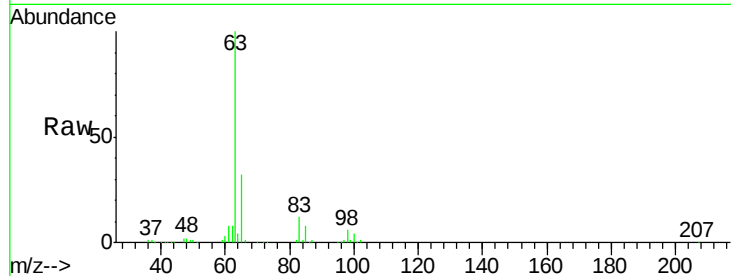
#19
 1,1-Dichloroethane
 Concen: 83.670 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE3

Tot Ion:	63	Resp:	552787
Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.4	39.8
83	12.0	8.5	15.7

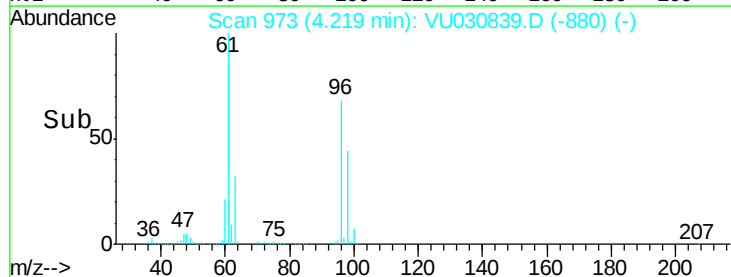
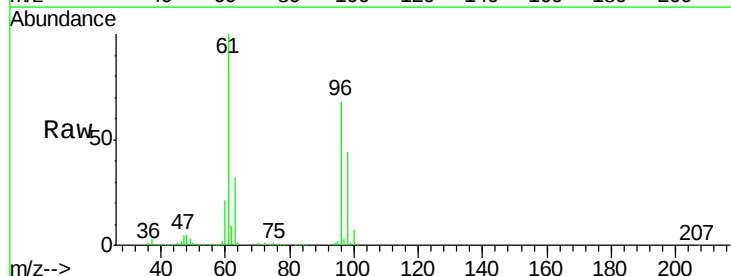
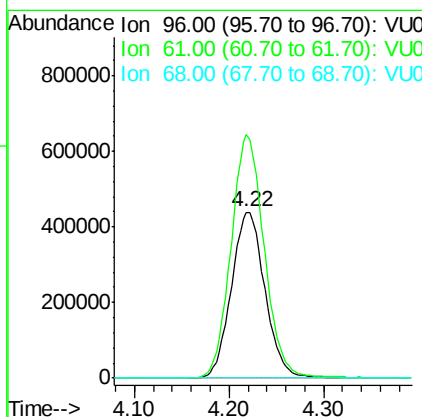
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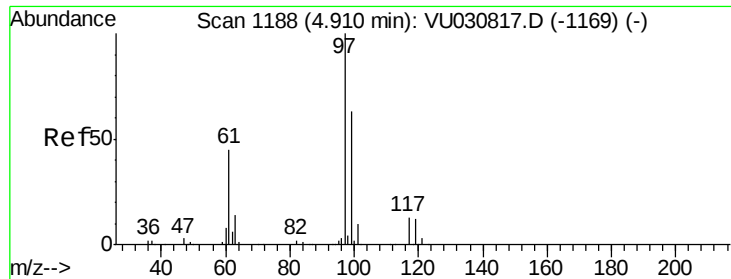
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 4/10/2019 9:29:00 AM



#20
 cis-1,2-Dichloroethene
 Concen: 306.363 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

Tgt Ion:	96	Resp:	1082964
Ion	Ratio	Lower	Upper
96	100		
61	146.9	102.9	191.1
68	0.0	0.0	0.0





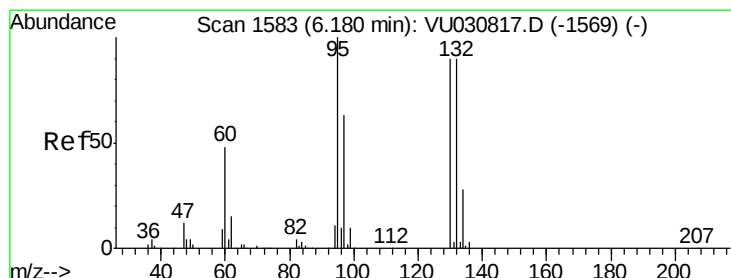
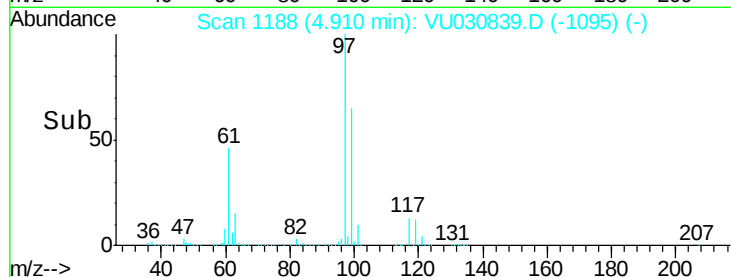
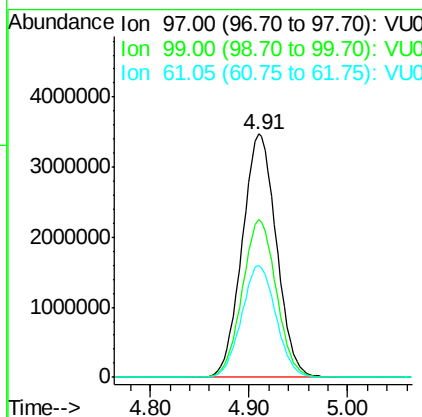
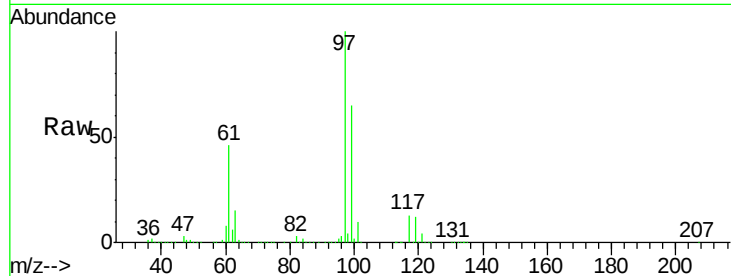
#30
 1,1,1-Trichloroethane
 Concen: 1604.630 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE3

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	46.0	37.1	55.7

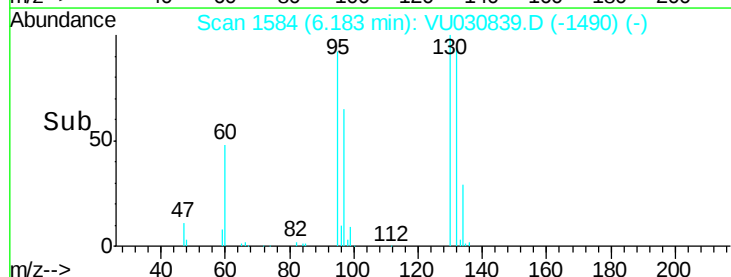
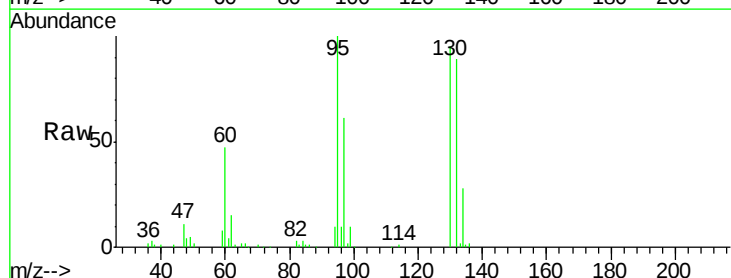
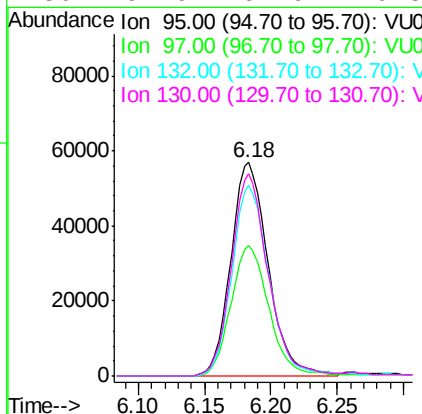
Manual Integrations
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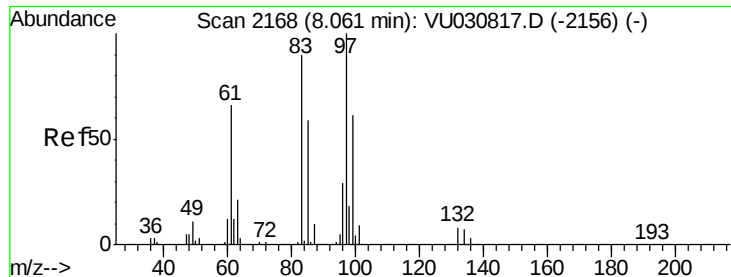
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 4/10/2019 9:29:00 AM



#34
 Trichloroethene
 Concen: 32.669 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030839.D
 Acq: 07 Apr 2019 06:28

Tgt Ion	Ratio	Lower	Upper
95	100		
97	61.3	44.5	82.7
132	89.1	61.5	114.1
130	94.9	64.9	120.5





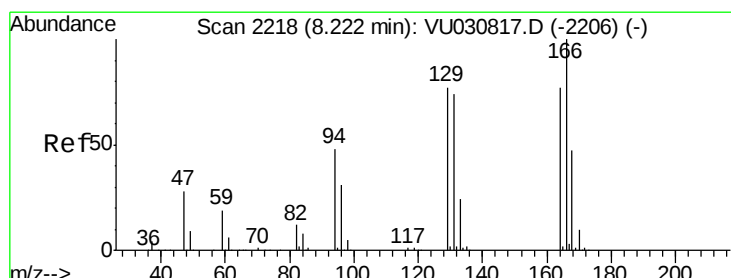
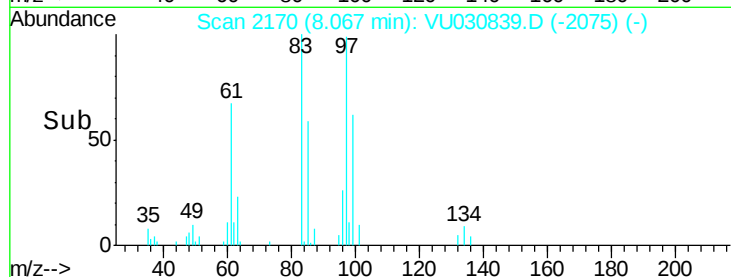
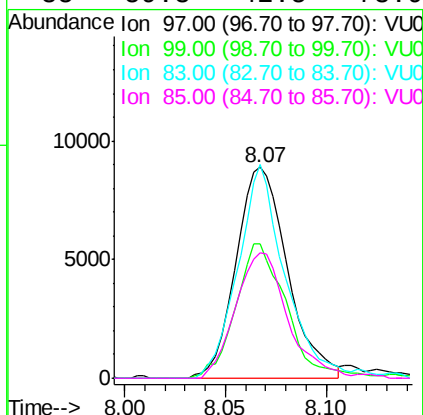
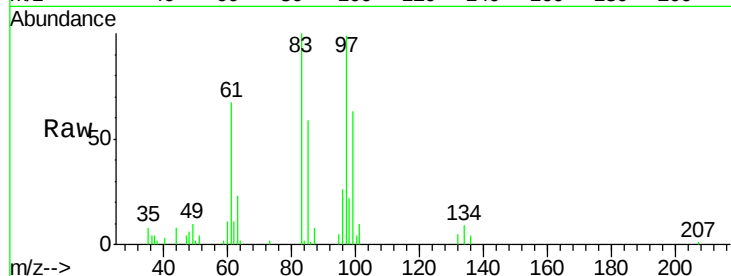
#45
1,1,2-Trichloroethane
Concen: 4.767 ug/L
RT: 8.07 min Scan# 2170
Delta R.T. 0.01 min
Lab File: VU030839.D
Acq: 07 Apr 2019 06:28

Instrument :
MSVOA_U
ClientSampled :
E3YE3

Tot Ion	97	Resp	15922
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.0	81.8
83	101.2	65.3	121.3
85	59.8	42.5	78.9

Manual Integrations
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4/10/2019 9:29:00 AM



#46
Tetrachloroethene
Concen: 106.891 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030839.D
Acq: 07 Apr 2019 06:28

Tgt Ion	164	Resp	265124
Ion	Ratio	Lower	Upper
164	100		
129	97.1	67.4	125.2
131	93.6	65.9	122.5
166	125.3	88.6	164.6

