

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026006.D
 Acq On : 09 Aug 2018 19:14
 Operator : MD/SY
 Sample : J4361-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZB4

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 4:08:56 PM

Quant Time: Aug 10 07:25:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	293834	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	274841	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	122793	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89046	41.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.92%
7) Chloroethane-d5	1.68	69	77521	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.04%
11) 1,1-Dichloroethene-d2	2.27	63	139816	34.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.52%
21) 2-Butanone-d5	4.18	46	172025	96.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.10%
24) Chloroform-d	4.65	84	211721	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
26) 1,2-Dichloroethane-d4	5.31	65	148581	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
32) Benzene-d6	5.35	84	407887	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
36) 1,2-Dichloropropane-d6	6.33	67	133916	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.98%
41) Toluene-d8	7.57	98	366592	44.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.85	79	65302	46.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.86%
47) 2-Hexanone-d5	8.31	63	120104	95.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.76%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	188760	46.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	155839	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%

Target Compounds

						Ovalue
13) Acetone	2.32	43	98291	88.39	ug/L	99
19) 1,1-Dichloroethane	3.45	63	7123	1.94	ug/L	95
22) 2-Butanone	4.27	43	32907m	20.45	ug/L	
30) 1,1,1-Trichloroethane	4.91	97	14766	4.26	ug/L	96
42) Toluene	7.64	91	26027	3.13	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	42998	10.73	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	155435	38.20	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	6502	2.69	ug/L	97

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

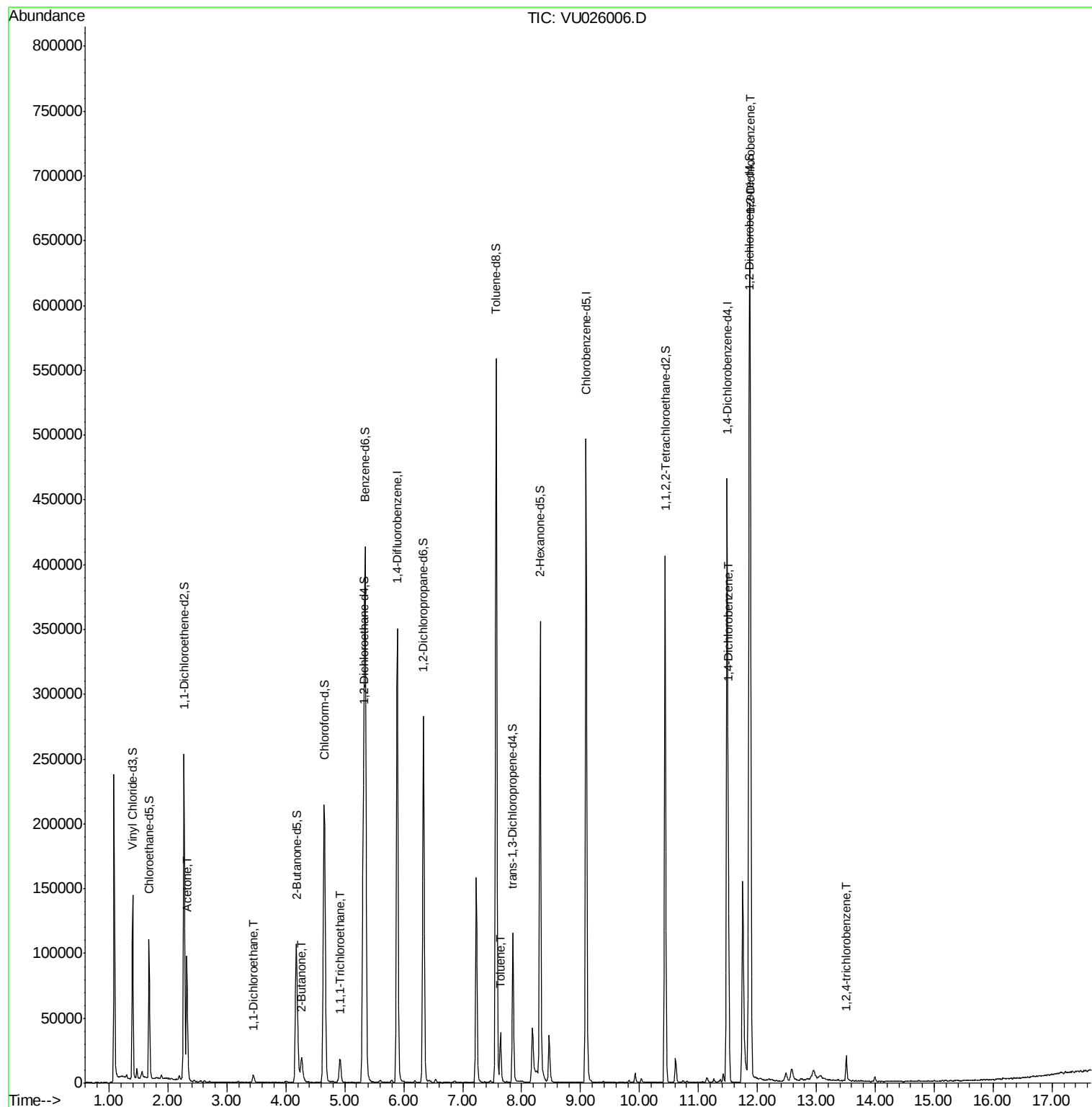
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080918\
Data File : VU026006.D
Acq On : 09 Aug 2018 19:14
Operator : MD/SY
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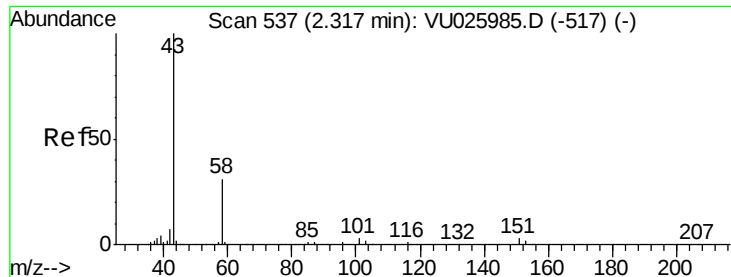
Instrument :
MSVOA_U
ClientSampleId :
A4ZB4

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Quant Time: Aug 10 07:25:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 10 05:14:50 2018
Response via : Initial Calibration





#13

Acetone

Concen: 88.39 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026006.D

Acq: 09 Aug 2018 19:14

Instrument :

MSVOA_U

ClientSampled :

A4ZB4

Tot Ion: 43 Resp: 98291

Ion Ratio Lower Upper

43 100

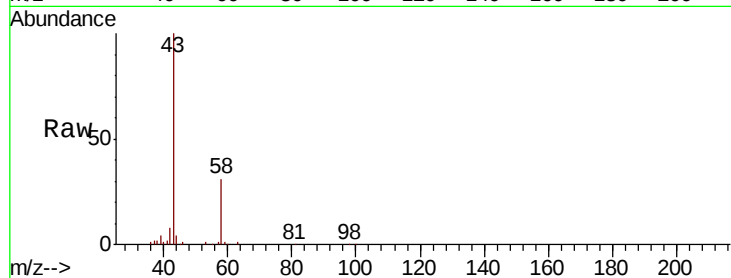
58 30.2 0.0 61.8

Manual Integrations

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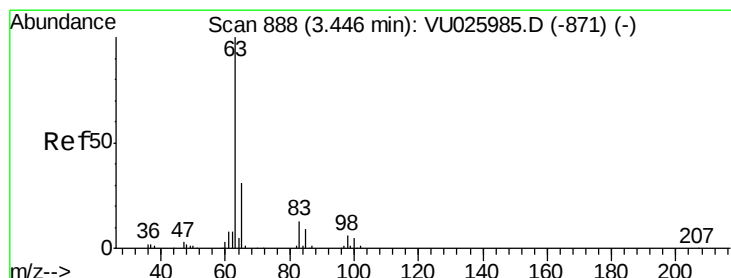
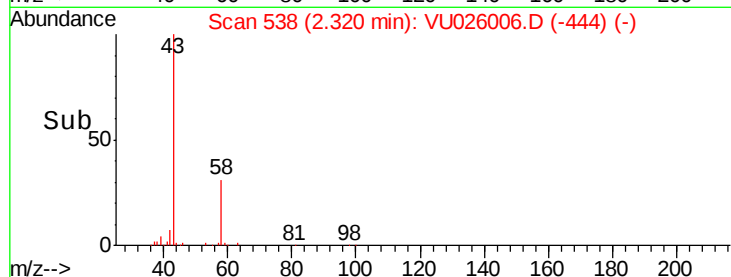
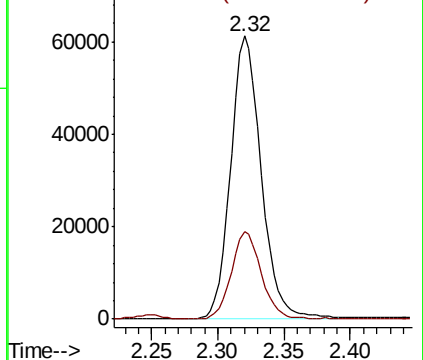
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Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-517) (-)

Ion 58.00 (57.70 to 58.70): VU025985.D (-517) (-)



#19

1,1-Dichloroethane

Concen: 1.94 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026006.D

Acq: 09 Aug 2018 19:14

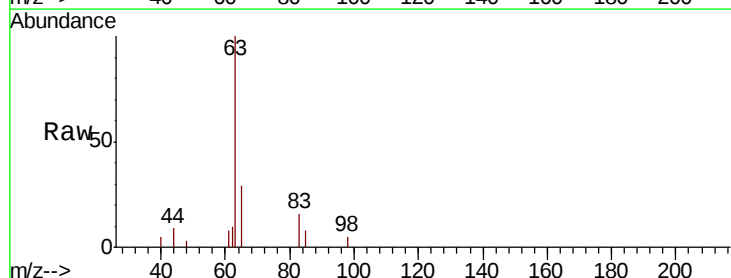
Tgt Ion: 63 Resp: 7123

Ion Ratio Lower Upper

63 100

65 28.6 22.4 41.6

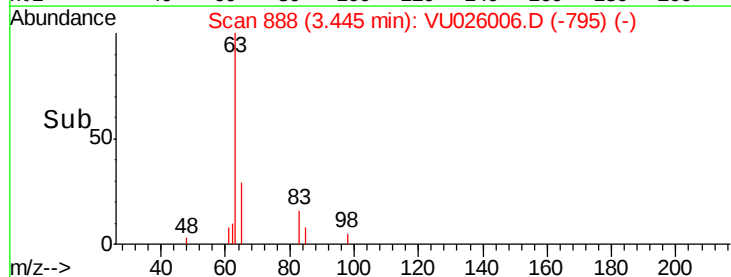
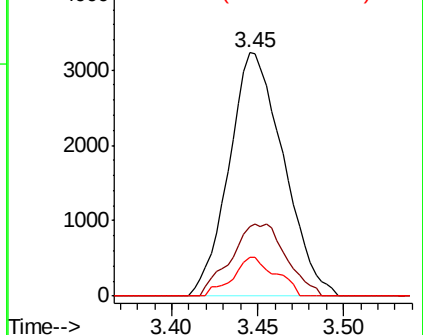
83 16.1 10.1 18.9

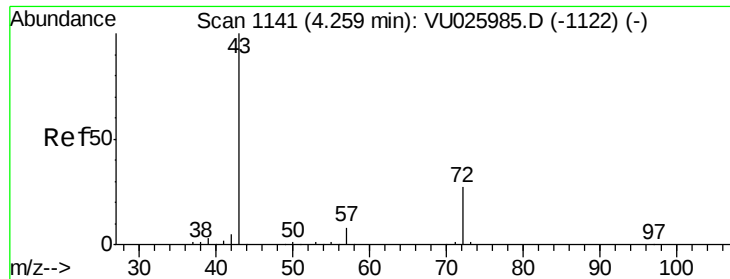


Abundance Ion 63.00 (62.70 to 63.70): VU025985.D (-871) (-)

Ion 65.00 (64.70 to 65.70): VU025985.D (-871) (-)

Ion 83.00 (82.70 to 83.70): VU025985.D (-871) (-)





#22

2-Butanone

Concen: 20.45 ug/L m

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU026006.D

Acq: 09 Aug 2018 19:14

Instrument :

MSVOA_U

ClientSampled :

A4ZB4

Tot Ion: 43 Resp: 32907

Ion Ratio Lower Upper

43 100

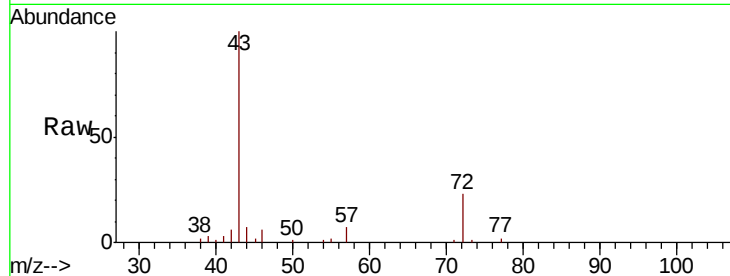
72 0.2 13.5 40.5#

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Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-1122) (-)

Ion 72.00 (71.70 to 72.70): VU025985.D (-1122) (-)

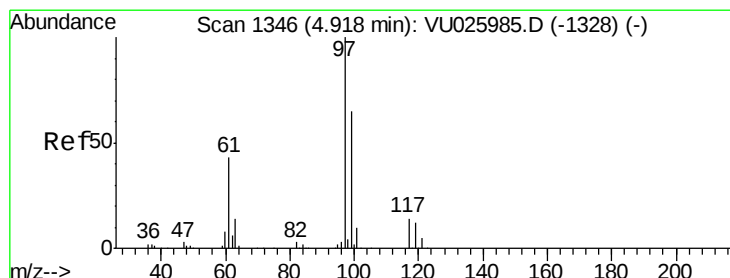
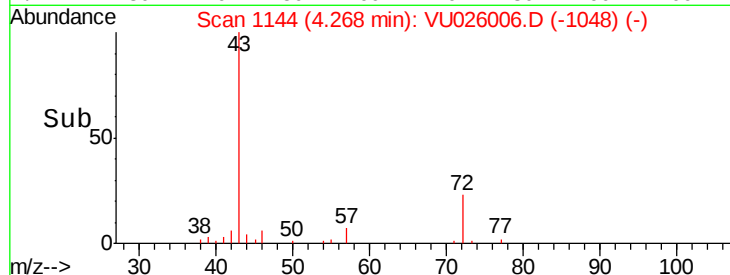
4.27

10000

5000

0

Time-->



#30

1,1,1-Trichloroethane

Concen: 4.26 ug/L

RT: 4.91 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VU026006.D

Acq: 09 Aug 2018 19:14

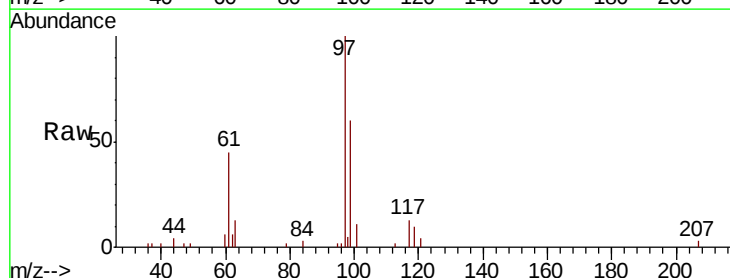
Tgt Ion: 97 Resp: 14766

Ion Ratio Lower Upper

97 100

99 60.7 51.8 77.6

61 45.2 34.7 52.1



Abundance Ion 97.00 (96.70 to 97.70): VU025985.D (-1328) (-)

Ion 99.00 (98.70 to 99.70): VU025985.D (-1328) (-)

Ion 61.05 (60.75 to 61.75): VU025985.D (-1328) (-)

8000

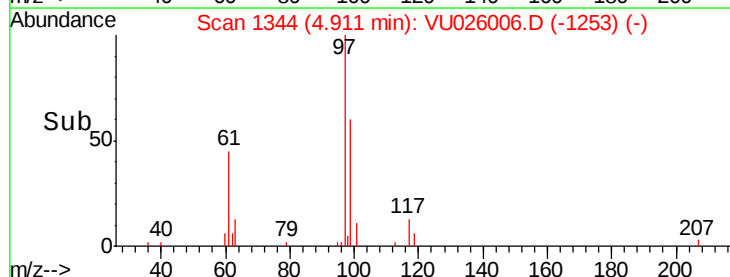
6000

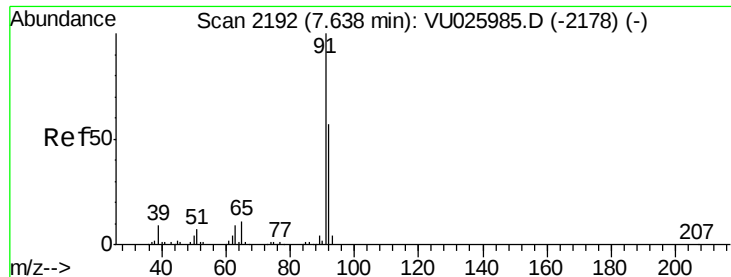
4000

2000

0

Time-->





#42

Toluene

Concen: 3.13 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026006.D

Acq: 09 Aug 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

A4ZB4

Tot Ion: 91 Resp: 26027

Ion Ratio Lower Upper

91 100

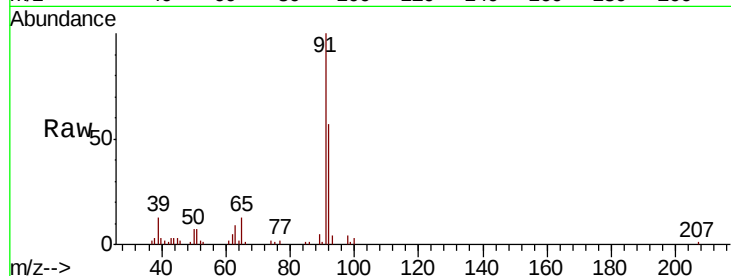
92 57.1 41.0 76.2

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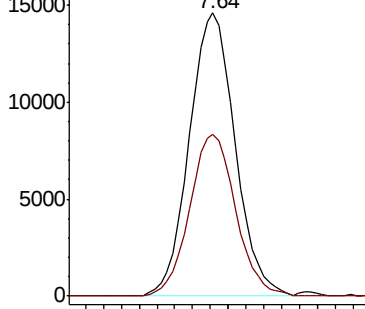
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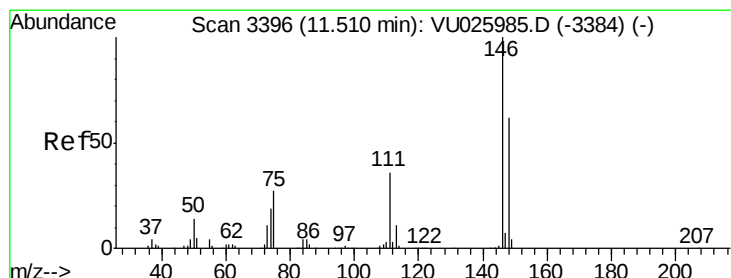
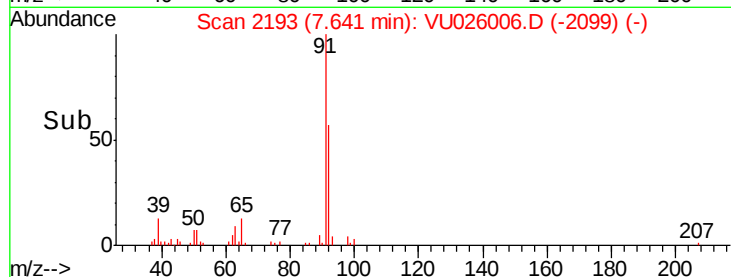


Abundance Ion 91.00 (90.70 to 91.70): VU025985.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU025985.D (-2178) (-)



Time-->



#63

1,4-Dichlorobenzene

Concen: 10.73 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026006.D

Acq: 09 Aug 2018 19:14

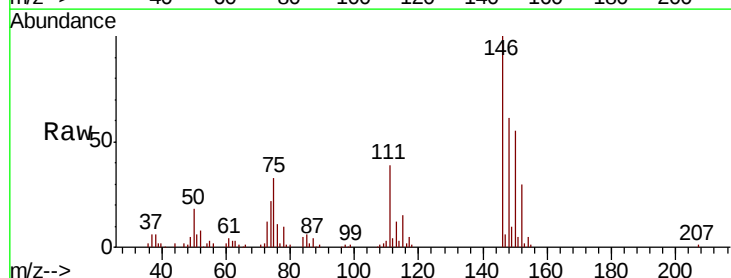
Tgt Ion: 146 Resp: 42998

Ion Ratio Lower Upper

146 100

111 39.2 26.4 49.0

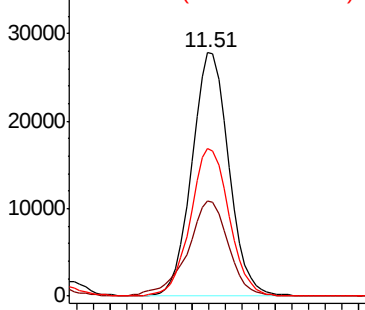
148 60.8 43.8 81.4



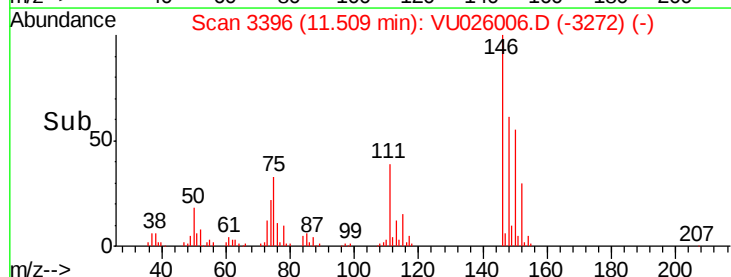
Abundance Ion 146.00 (145.70 to 146.70): VU025985.D (-3384) (-)

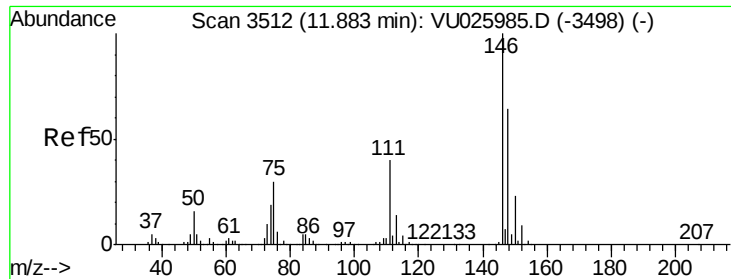
Ion 111.00 (110.70 to 111.70): VU025985.D (-3384) (-)

Ion 148.00 (147.70 to 148.70): VU025985.D (-3384) (-)



Time-->





#65

1,2-Dichlorobenzene

Concen: 38.20 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026006.D

Acq: 09 Aug 2018 19:14

Instrument :

MSVOA_U

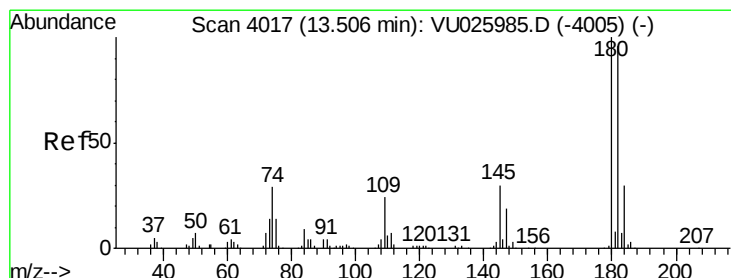
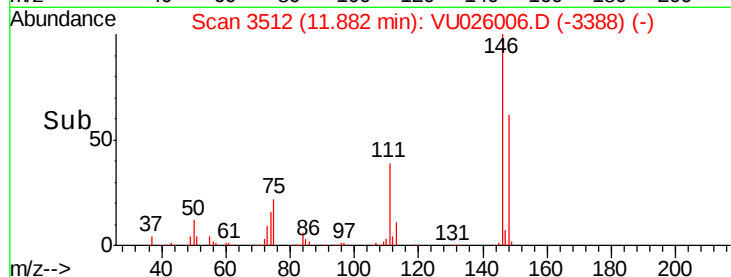
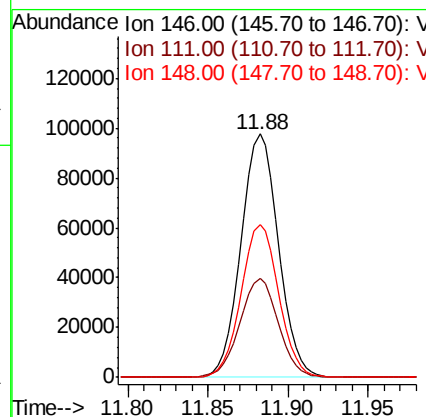
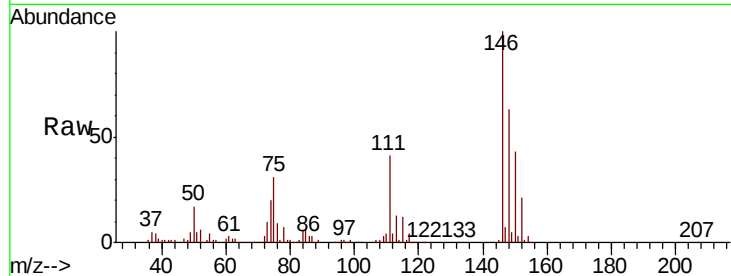
ClientSampled :

A4ZB4

Tot Ion:	146	Resp:	155435
Ion Ratio	Lower	Upper	
146	100		
111	40.6	32.4	48.6
148	62.8	50.1	75.1

Manual Integrations
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#68

1,2,4-trichlorobenzene

Concen: 2.69 ug/L

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU026006.D

Acq: 09 Aug 2018 19:14

Tgt Ion:	180	Resp:	6502
Ion Ratio	Lower	Upper	
180	100		
182	94.0	76.5	114.7
145	26.5	24.2	36.4

