

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025945.D
 Acq On : 07 Aug 2018 17:22
 Operator : MD/SY
 Sample : J4363-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA8

Manual Integrations
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apatel
 8/9/2018 3:52:14 PM

Quant Time: Aug 09 02:11:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 07 12:44:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	364215	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	353183	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	219084	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98809	48.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.92%
7) Chloroethane-d5	1.68	69	76855	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.56%
11) 1,1-Dichloroethene-d2	2.27	63	140884	36.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.08%
21) 2-Butanone-d5	4.18	46	155991	112.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.33%
24) Chloroform-d	4.65	84	193960	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.28%
26) 1,2-Dichloroethane-d4	5.31	65	132290	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
32) Benzene-d6	5.35	84	389312	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
36) 1,2-Dichloropropane-d6	6.34	67	121278	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.22%
41) Toluene-d8	7.57	98	367841	48.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	7.85	79	64019	50.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.88%
47) 2-Hexanone-d5	8.31	63	110422	109.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.63%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	172464	51.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.88%
64) 1,2-Dichlorobenzene-d4	11.88	152	184738	51.04	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.08%

Target Compounds

						Ovalue
13) Acetone	2.32	43	136254	82.88	ug/L	99
22) 2-Butanone	4.27	43	55749	27.12	ug/L	99
33) Benzene	5.39	78	15891m	1.72	ug/L	
40) 4-Methyl-2-pentanone	7.47	43	5986	1.78	ug/L	96
42) Toluene	7.64	91	819105	81.30	ug/L	99
51) Chlorobenzene	9.13	112	15461517m	2241.20	ug/L	
52) Ethylbenzene	9.26	91	37485	3.27	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	2335599	356.33	ug/L	99
63) 1,4-Dichlorobenzene	11.52	146	18208938m	2726.78	ug/L	
65) 1,2-Dichlorobenzene	11.89	146	21046117m	3202.26	ug/L	
68) 1,2,4-trichlorobenzene	13.52	180	27831048m	6639.41	ug/L	
70) 1,2,3-Trichlorobenzene	14.00	180	11337006	2639.75	ug/L	100

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

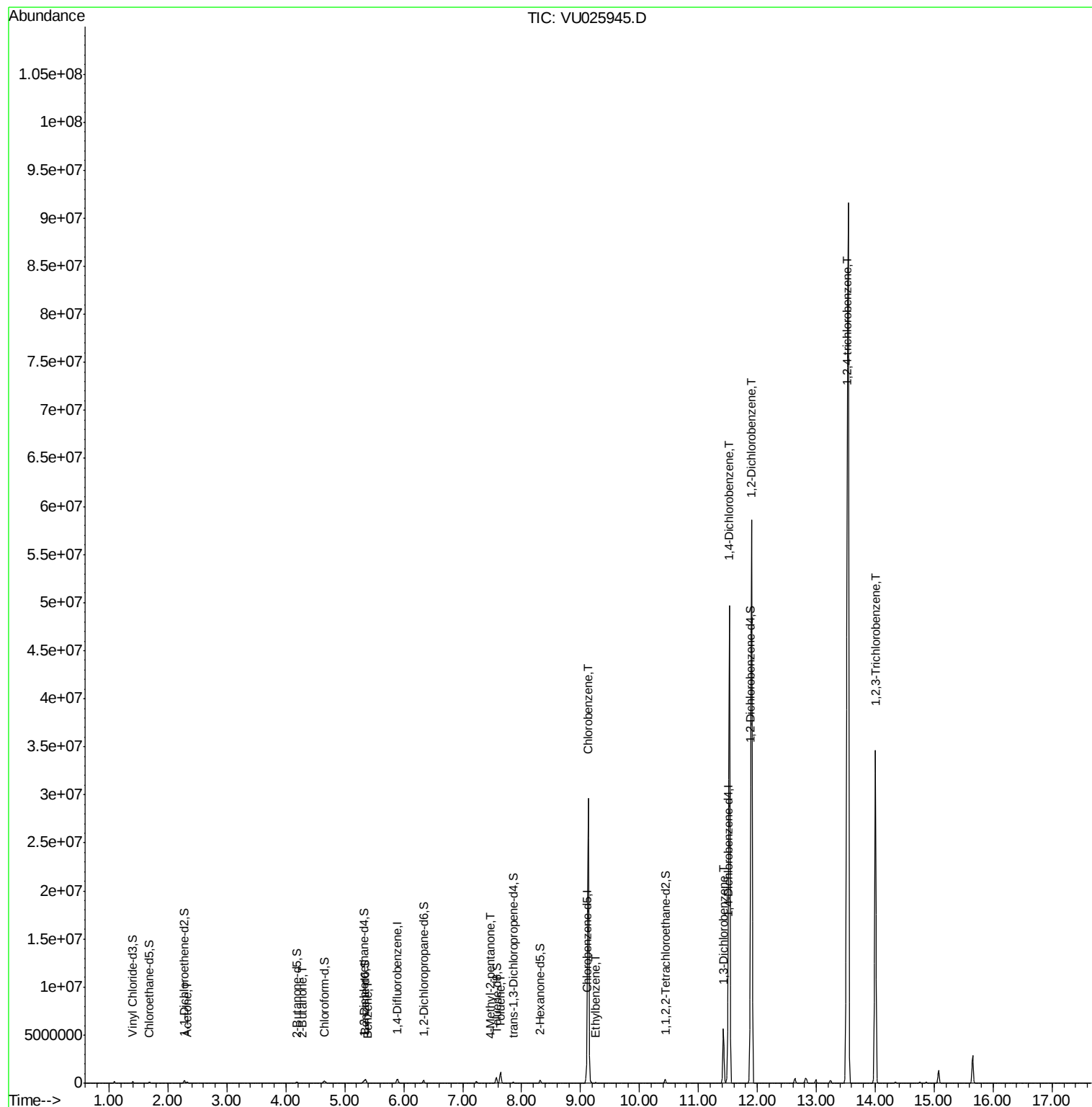
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
Data File : VU025945.D
Acq On : 07 Aug 2018 17:22
Operator : MD/SY
Sample : J4363-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

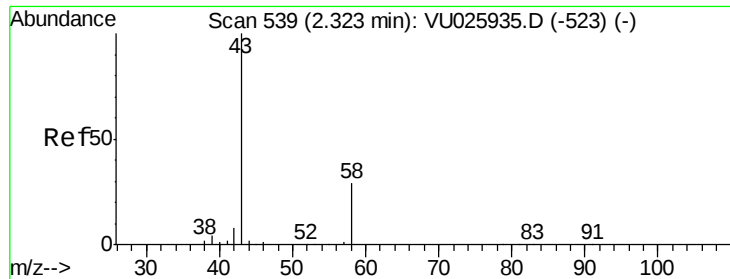
Instrument :
MSVOA_U
ClientSampleId :
A4ZA8

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Quant Time: Aug 09 02:11:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 07 12:44:32 2018
Response via : Initial Calibration





#13

Acetone

Concen: 82.88 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

Instrument :

MSVOA_U

ClientSampleId :

A4ZA8

Tot Ion: 43 Resp: 136254

Ion Ratio Lower Upper

43 100

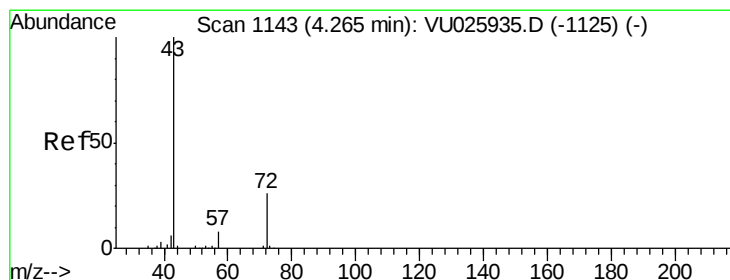
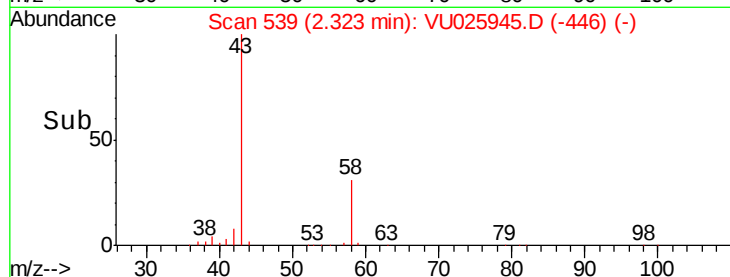
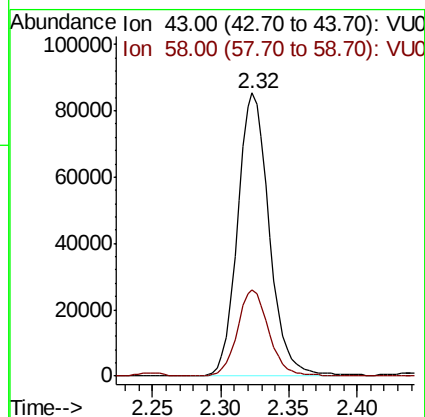
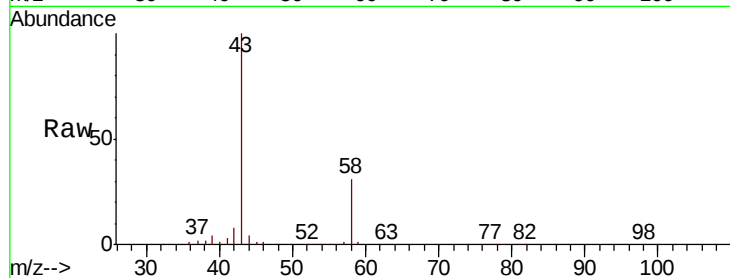
58 30.2 0.0 61.2

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#22

2-Butanone

Concen: 27.12 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU025945.D

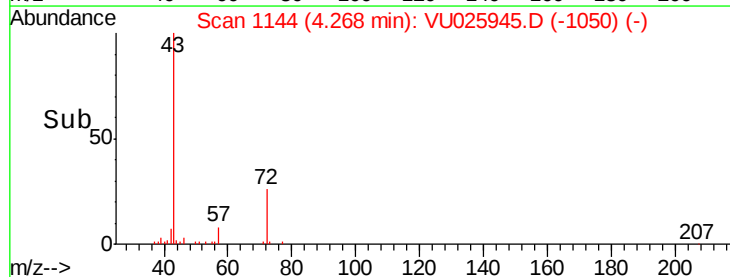
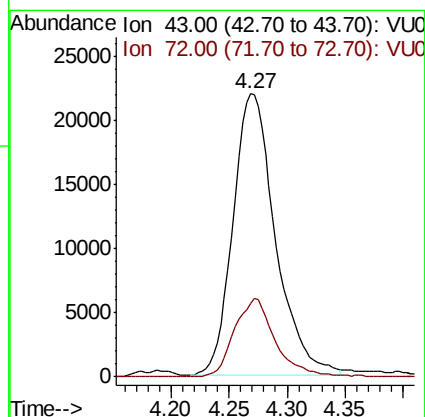
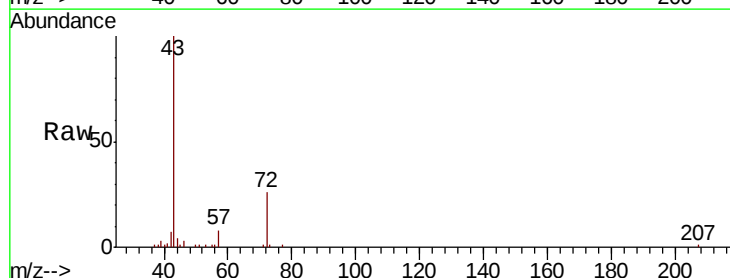
Acq: 07 Aug 2018 17:22

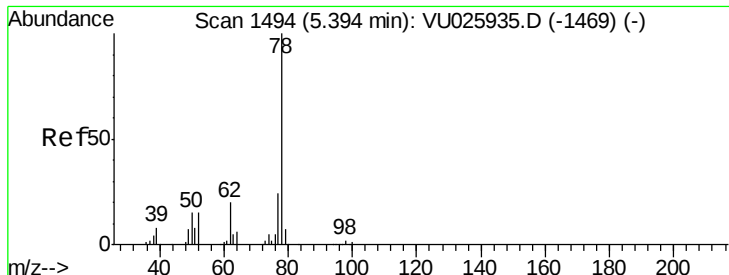
Tgt Ion: 43 Resp: 55749

Ion Ratio Lower Upper

43 100

72 26.8 13.6 40.8





#33

Benzene

Concen: 1.72 ug/L m

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

Instrument :

MSVOA_U

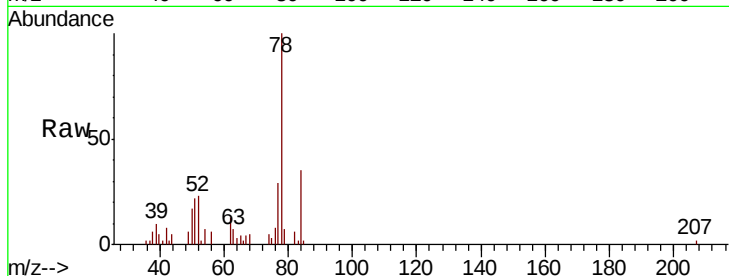
ClientSampled :

A4ZA8

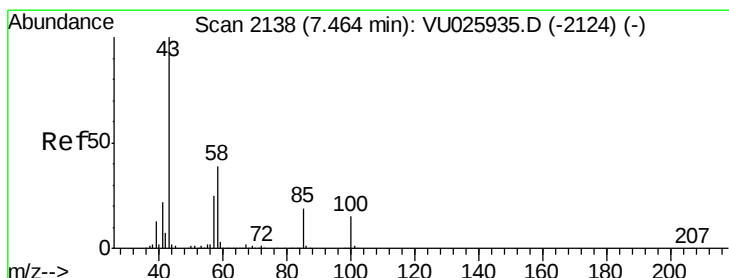
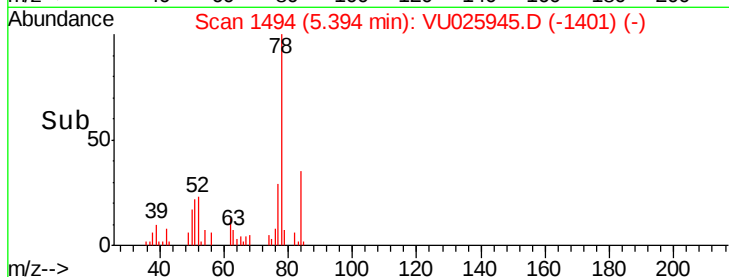
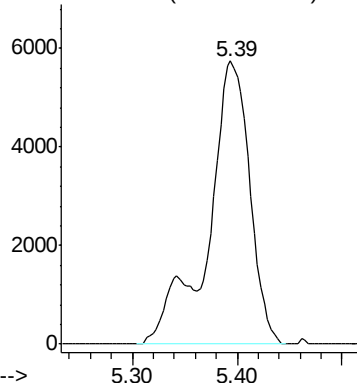
Tgt Ion: 78 Resp: 15891

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#40

4-Methyl-2-pentanone

Concen: 1.78 ug/L

RT: 7.47 min Scan# 2140

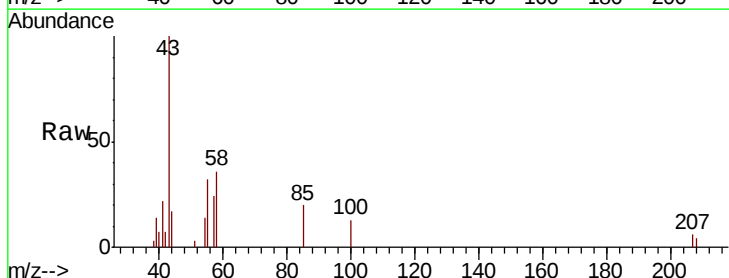
Delta R.T. 0.01 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

Tgt Ion: 43 Resp: 5986

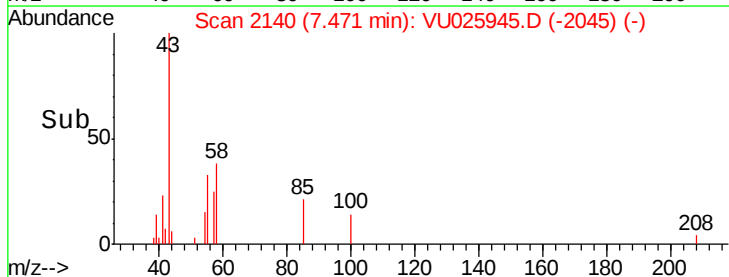
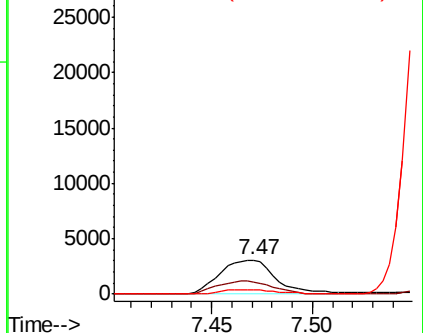
Ion	Ratio	Lower	Upper
43	100		
58	36.3	30.8	46.2
100	13.0	12.1	18.1

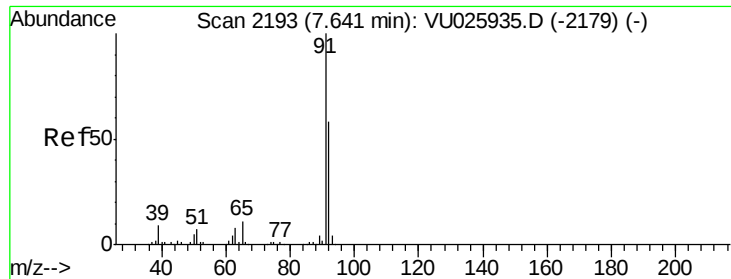


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 81.30 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

Instrument :

MSVOA_U

ClientSampled :

A4ZA8

Tot Ion: 91 Resp: 819105

Ion Ratio Lower Upper

91 100

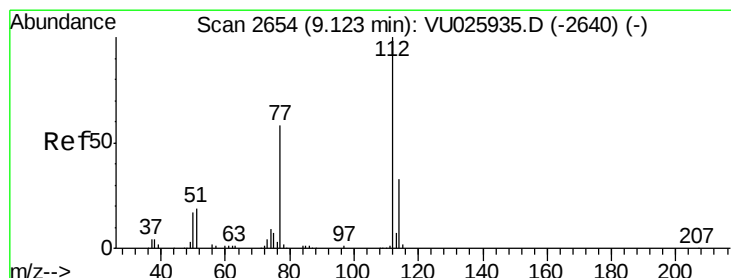
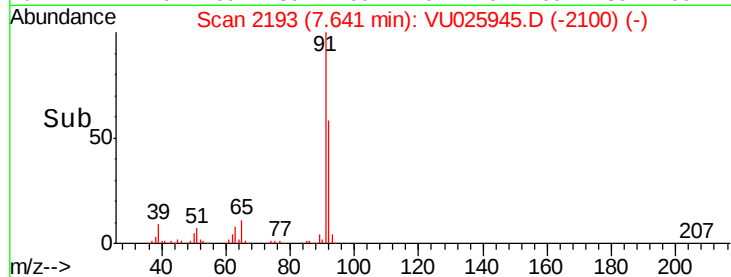
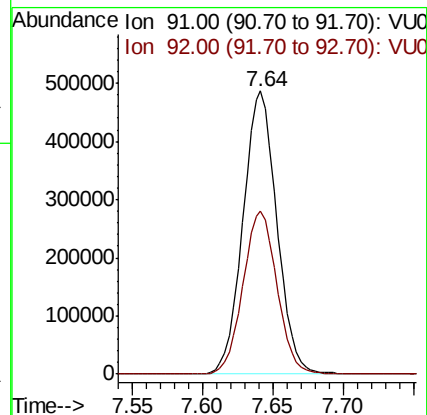
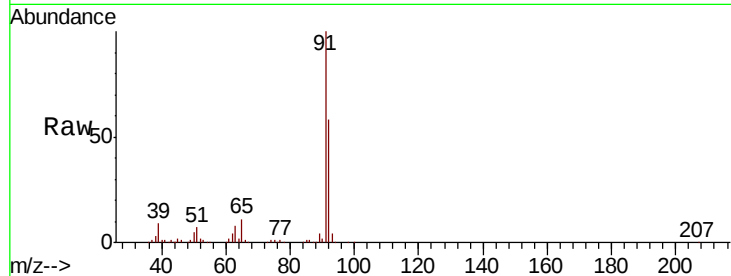
92 57.5 40.0 74.2

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#51

Chlorobenzene

Concen: 2241.20 ug/L m

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

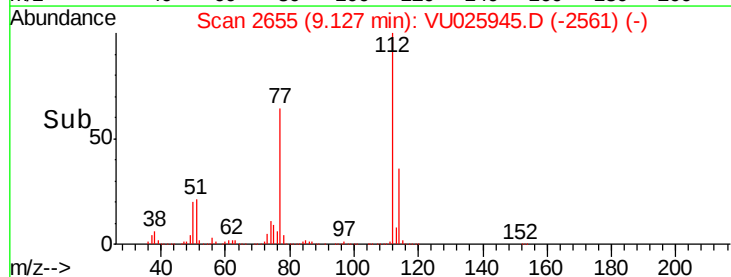
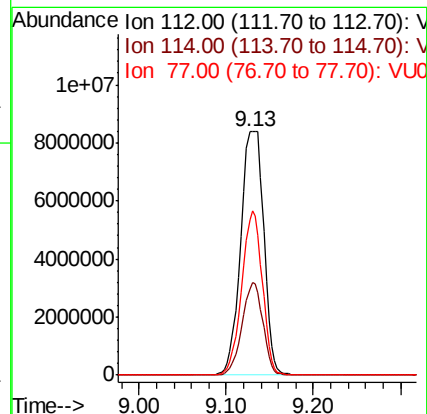
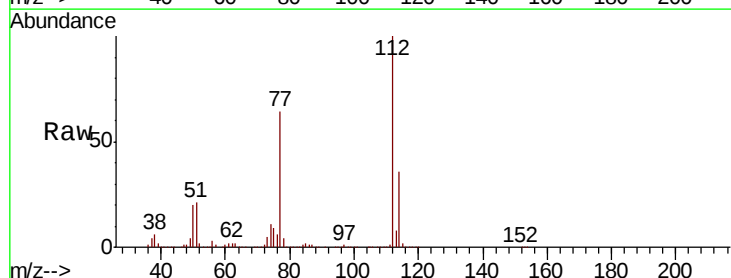
Tgt Ion: 112 Resp: 15461517

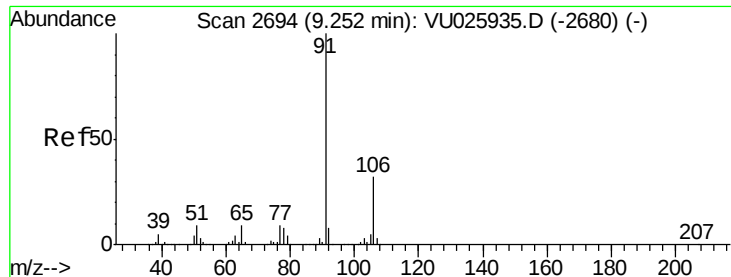
Ion Ratio Lower Upper

112 100

114 35.6 22.5 41.9

77 63.6 45.8 68.8





#52

Ethylbenzene

Concen: 3.27 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

Instrument :

MSVOA_U

ClientSampled :

A4ZA8

Tot Ion: 91 Resp: 37485

Ion Ratio Lower Upper

91 100

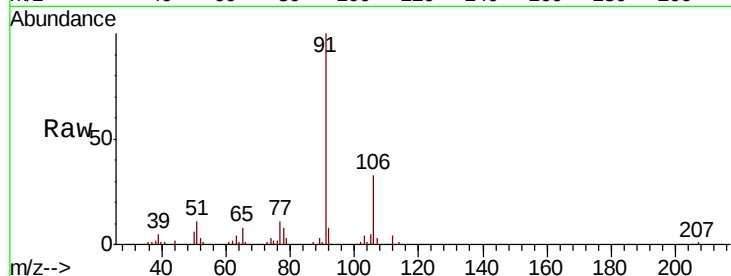
106 32.8 22.3 41.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU025935.D (-2680) (-)

Ion 106.00 (105.70 to 106.70): VU025935.D (-2680) (-)

9.26

25000

20000

15000

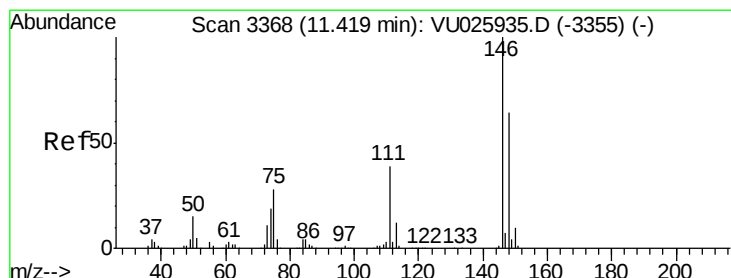
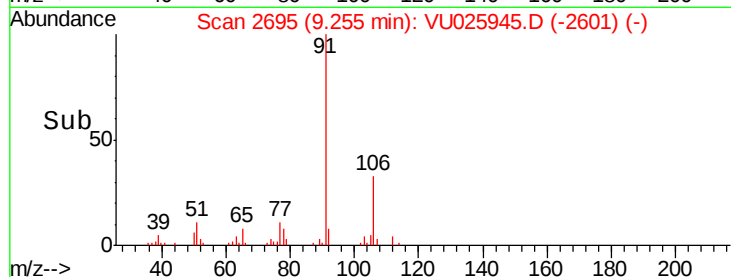
10000

5000

0

9.20 9.25 9.30

Time-->



#62

1,3-Dichlorobenzene

Concen: 356.33 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

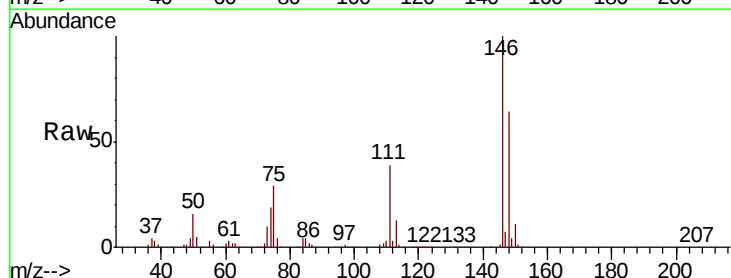
Tgt Ion: 146 Resp: 2335599

Ion Ratio Lower Upper

146 100

111 39.4 27.7 51.5

148 64.3 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): VU025935.D (-3355) (-)

Ion 111.00 (110.70 to 111.70): VU025935.D (-3355) (-)

Ion 148.00 (147.70 to 148.70): VU025935.D (-3355) (-)

1e+07

8000000

6000000

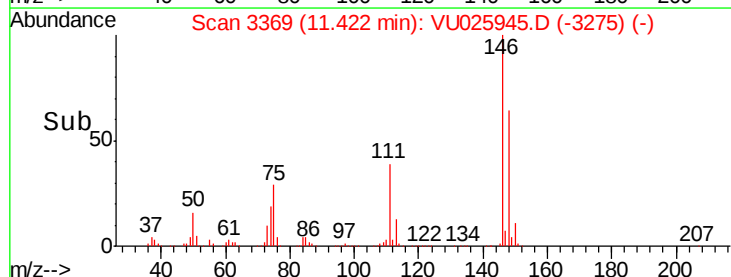
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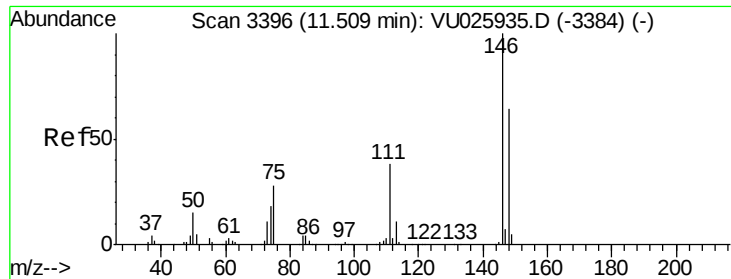
2000000

0

11.35 11.40 11.45 11.50

Time-->





#63
 1,4-Dichlorobenzene
 Concen: 2726.78 ug/L m
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU025945.D
 Acq: 07 Aug 2018 17:22

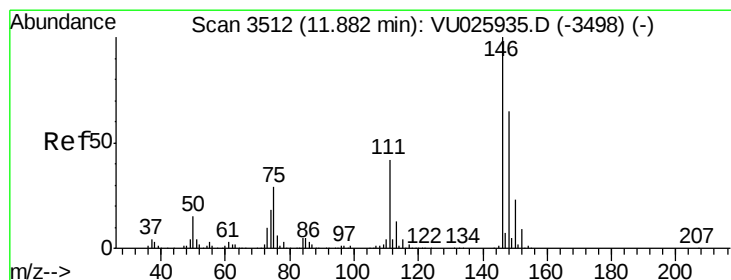
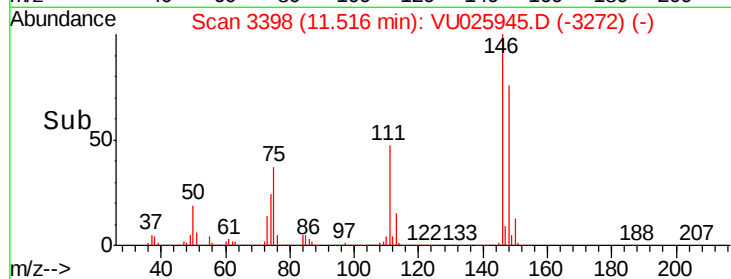
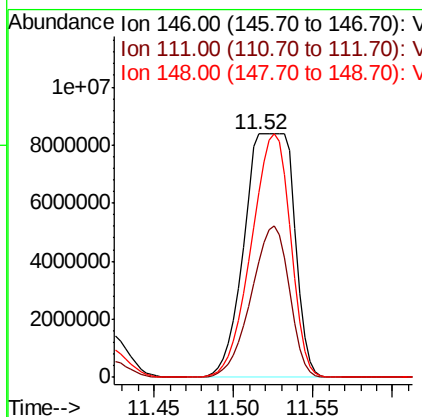
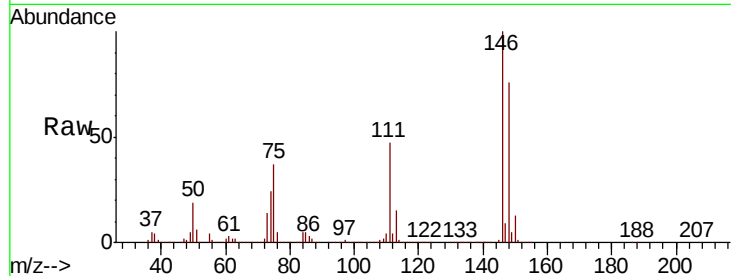
Instrument :
 MSVOA_U
 ClientSampled :
 A4ZA8

Tot Ion:146 Resp:18208938

Ion	Ratio	Lower	Upper
146	100		
111	47.3	26.9	49.9
148	76.1	44.6	82.8

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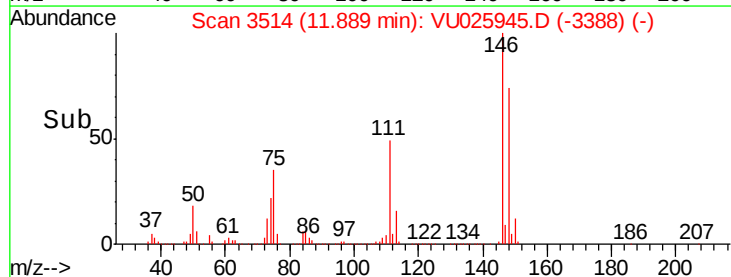
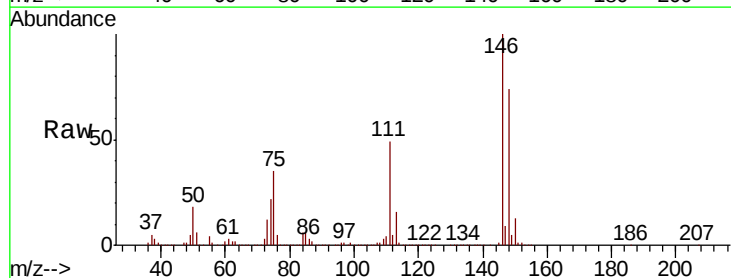
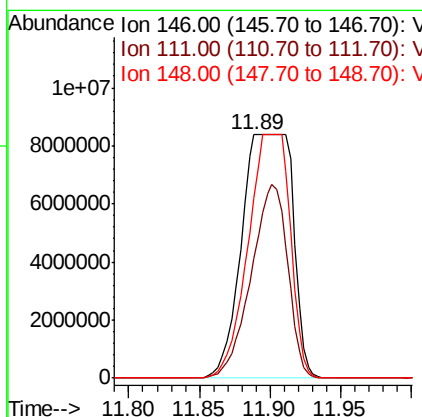
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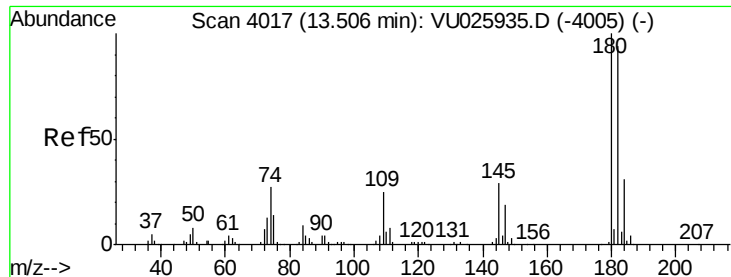


#65
 1,2-Dichlorobenzene
 Concen: 3202.26 ug/L m
 RT: 11.89 min Scan# 3514
 Delta R.T. 0.01 min
 Lab File: VU025945.D
 Acq: 07 Aug 2018 17:22

Tgt Ion:146 Resp:21046117

Ion	Ratio	Lower	Upper
146	100		
111	49.0	32.4	48.6#
148	73.8	50.7	76.1





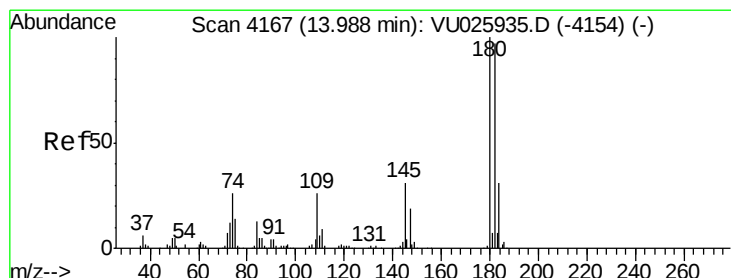
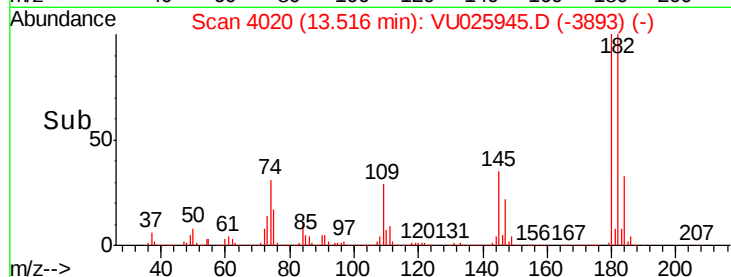
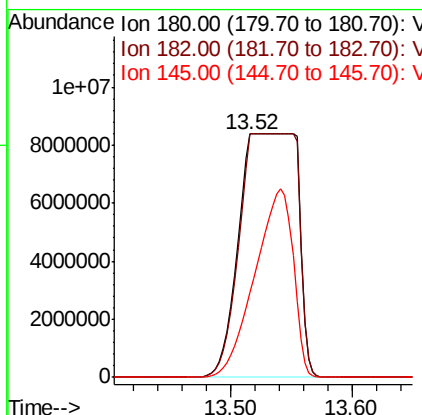
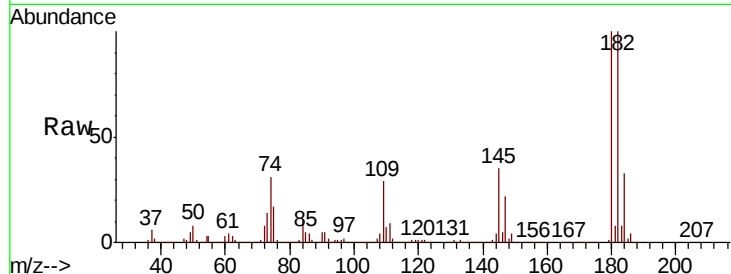
#68
 1,2,4-trichlorobenzene
 Concen: 6639.41 ug/L m
 RT: 13.52 min Scan# 4020
 Delta R.T. 0.01 min
 Lab File: VU025945.D
 Acq: 07 Aug 2018 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA8

Tot Ion:180 Resp:27831048
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.1 117.1#
 145 0.0 23.4 35.2#

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#70
 1,2,3-Trichlorobenzene
 Concen: 2639.75 ug/L
 RT: 14.00 min Scan# 4172
 Delta R.T. 0.02 min
 Lab File: VU025945.D
 Acq: 07 Aug 2018 17:22

Tgt Ion:180 Resp:11337006
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.6 114.8
 145 32.1 25.4 38.2

