

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\
 Data File : VU031904.D
 Acq On : 10 May 2019 21:31
 Operator : JC/SP
 Sample : K2742-05 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C31

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:49:23 AM

Quant Time: May 11 04:13:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 11 02:45:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1020743	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1056232	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	426898	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	373372	43.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.42%
7) Chloroethane-d5	1.67	69	316567m	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.90%
11) 1,1-Dichloroethene-d2	2.26	63	528793	31.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.16%
21) 2-Butanone-d5	4.17	46	661735	85.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.49%
24) Chloroform-d	4.64	84	684130	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.46%
26) 1,2-Dichloroethane-d4	5.31	65	455057	44.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.04%
32) Benzene-d6	5.33	84	1416231	43.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.32%
36) 1,2-Dichloropropane-d6	6.32	67	476218	41.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.46%
41) Toluene-d8	7.56	98	1197349	42.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.76%
43) trans-1,3-Dichloropropene-	7.85	79	188784	38.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.08%
47) 2-Hexanone-d5	8.31	63	433722	87.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.81%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	667640	43.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	447199	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
31) Carbon tetrachloride	5.13	117	7321m	0.579	ug/L	
33) Benzene	5.39	78	1451627	37.381	ug/L	100
51) Chlorobenzene	9.12	112	5650225	247.173	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	202648	14.341	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1783699	121.881	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	2389656	159.115	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	200401	23.917	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	57160	5.992	ug/L	91

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

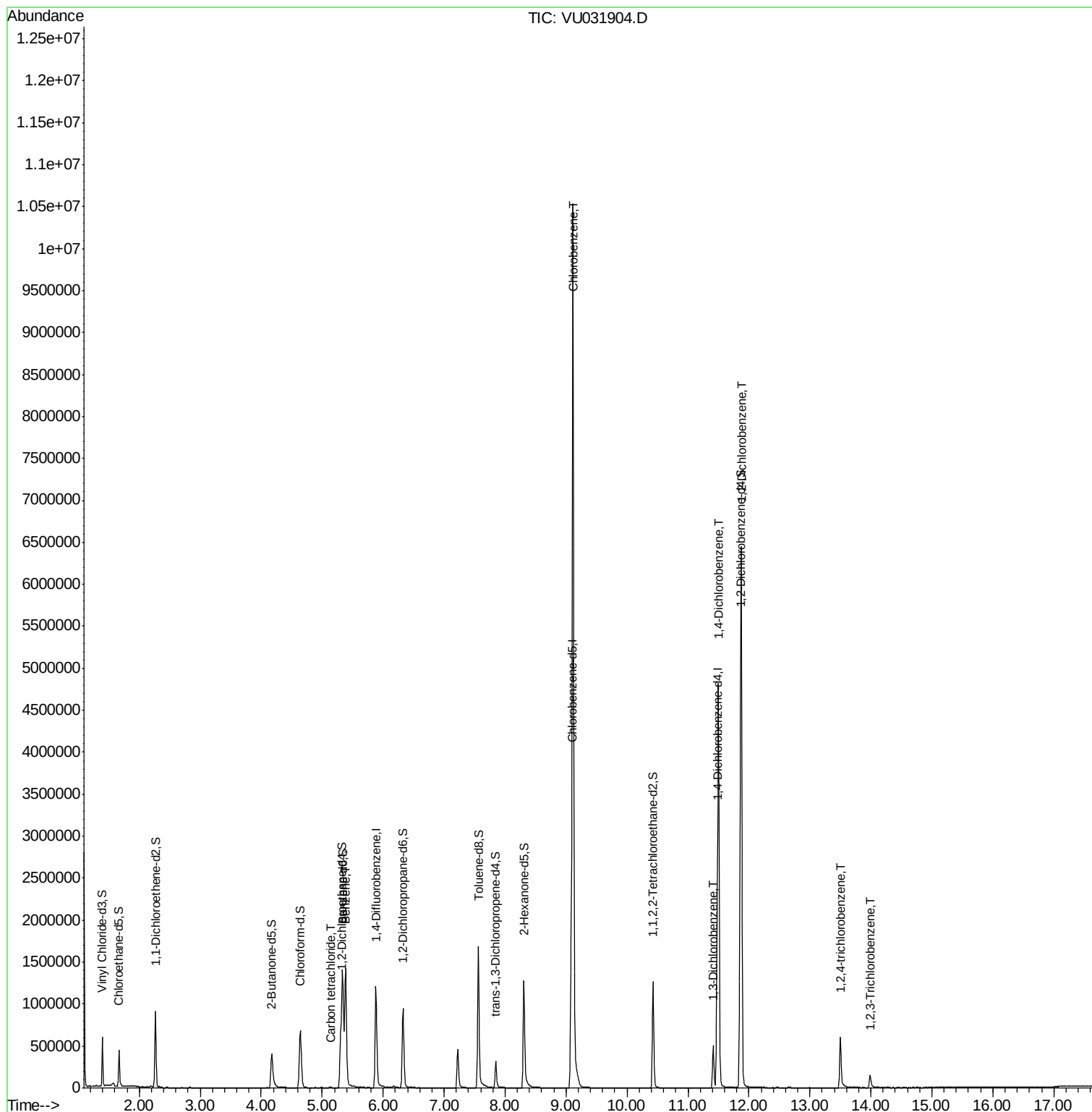
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\
Data File : VU031904.D
Acq On : 10 May 2019 21:31
Operator : JC/SP
Sample : K2742-05 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

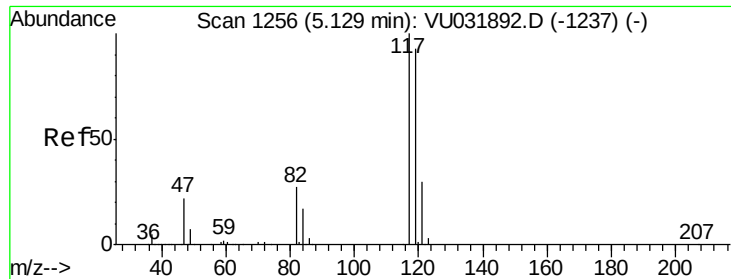
Instrument :
MSVOA_U
ClientSampleId :
C0C31

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Quant Time: May 11 04:13:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 11 02:45:36 2019
Response via : Initial Calibration





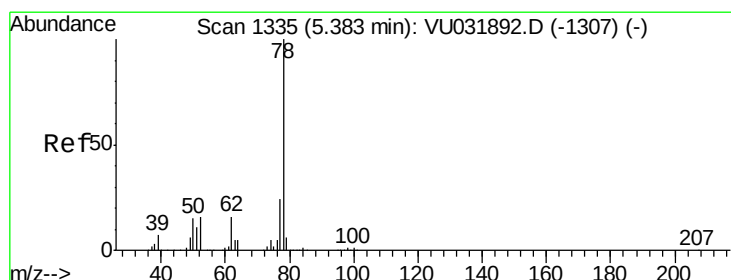
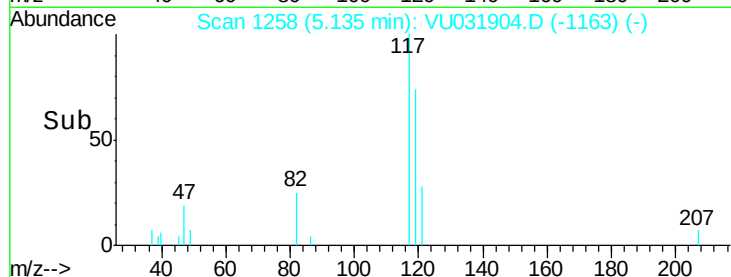
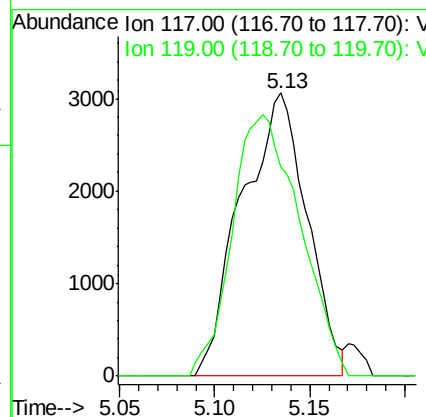
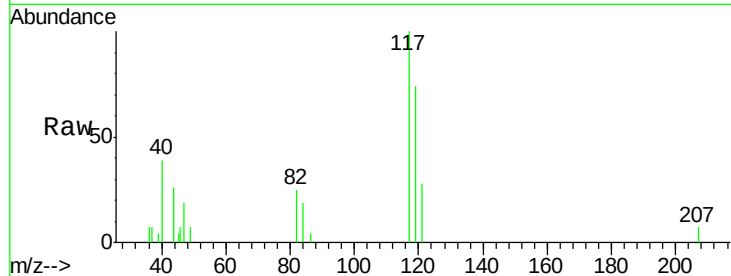
#31
Carbon tetrachloride
Concen: 0.579 ug/L m
RT: 5.13 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VU031904.D
Acq: 10 May 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :
C0C31

Tot Ion:117 Resp: 7321
Ion Ratio Lower Upper
117 100
119 95.4 76.6 114.8

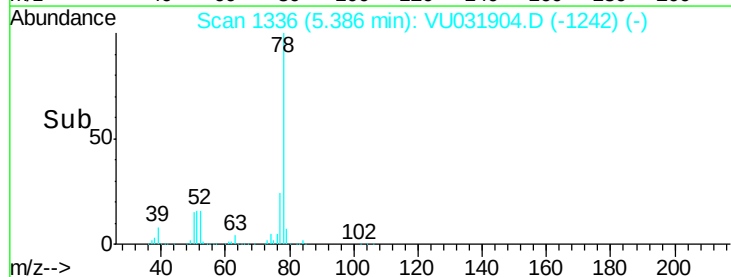
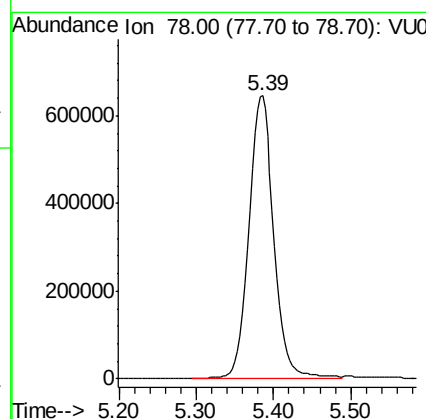
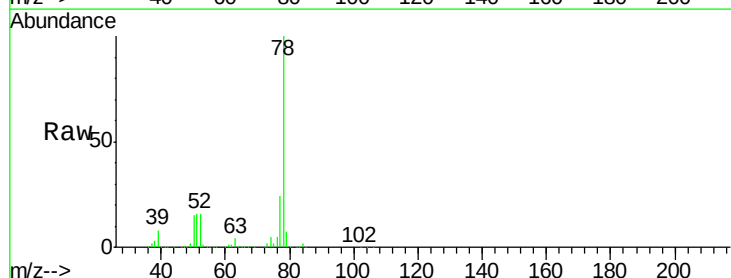
Manual Integrations
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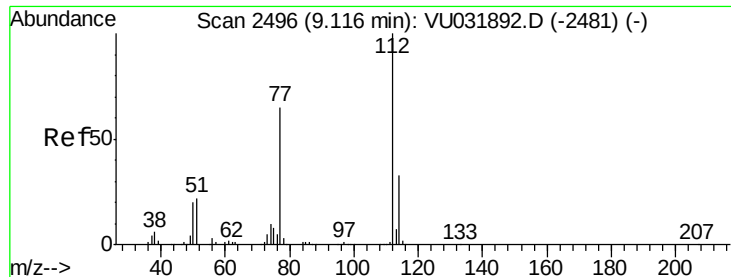
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#33
Benzene
Concen: 37.381 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031904.D
Acq: 10 May 2019 21:31

Tgt Ion: 78 Resp: 1451627





#51

Chlorobenzene

Concen: 247.173 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU031904.D

Acq: 10 May 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

C0C31

Tot Ion:112 Resp: 5650225

Ion Ratio Lower Upper

112 100

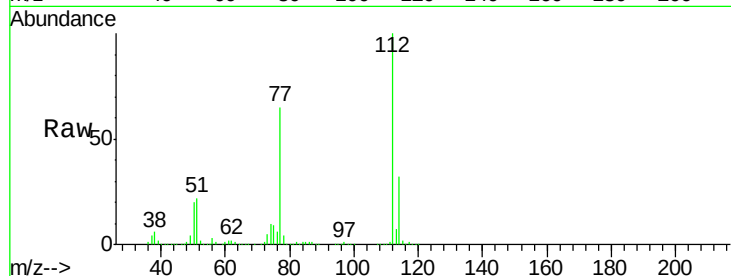
114 32.1 23.3 43.3

77 65.4 53.0 79.4

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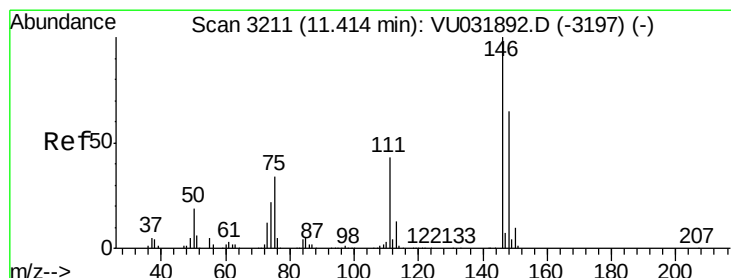
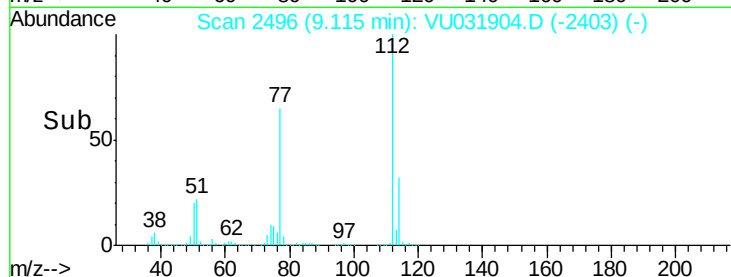
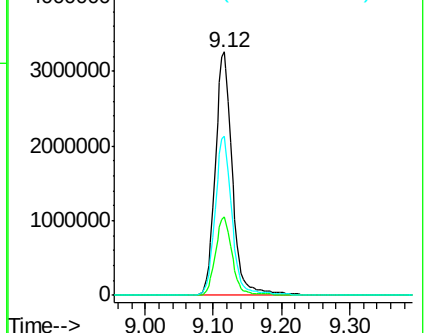
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 14.341 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU031904.D

Acq: 10 May 2019 21:31

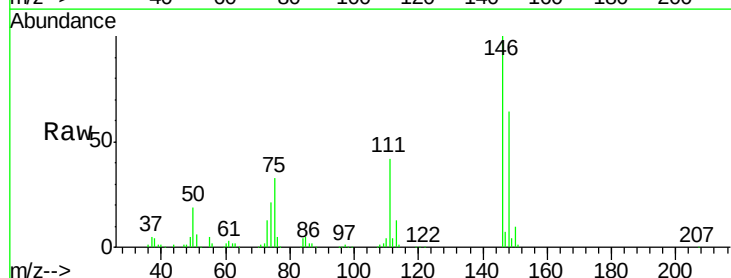
Tgt Ion:146 Resp: 202648

Ion Ratio Lower Upper

146 100

111 41.6 29.8 55.4

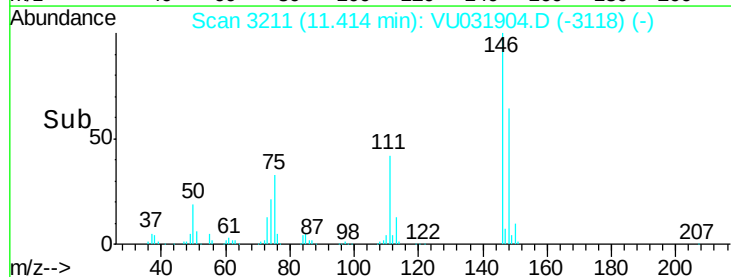
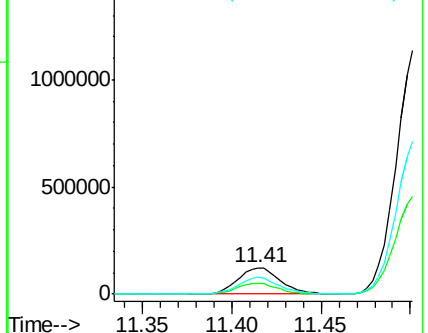
148 63.5 45.1 83.9

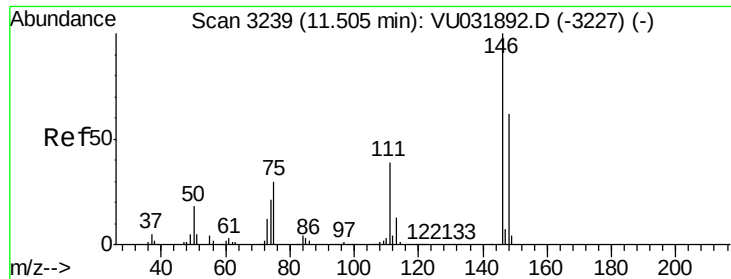


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





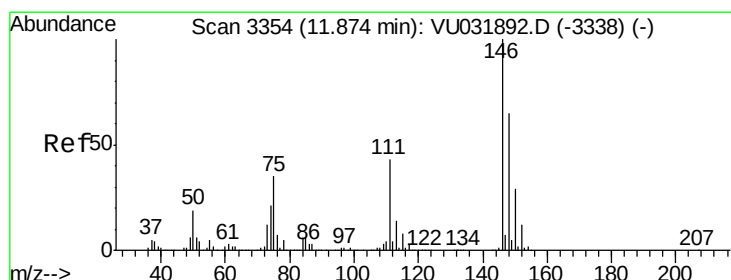
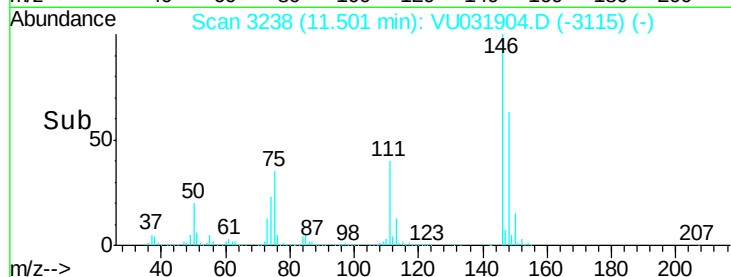
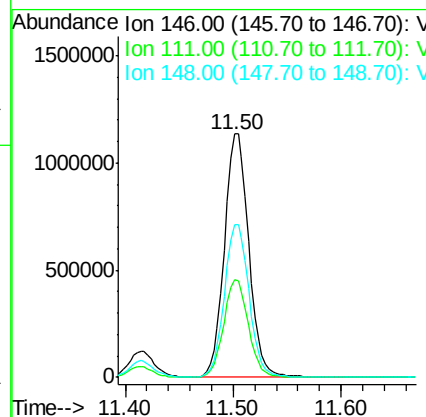
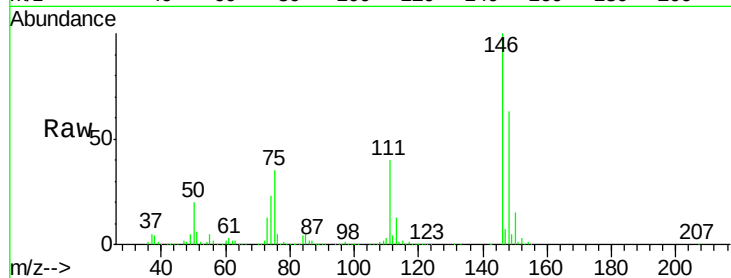
#63
1,4-Dichlorobenzene
Concen: 121.881 ug/L
RT: 11.50 min Scan# 3238
Delta R.T. -0.00 min
Lab File: VU031904.D
Acq: 10 May 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :
C0C31

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	28.2	52.4
148	62.8	45.4	84.4

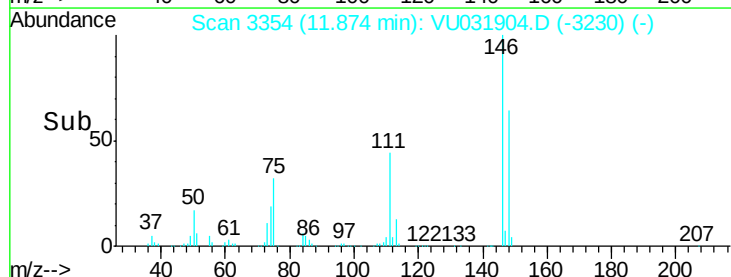
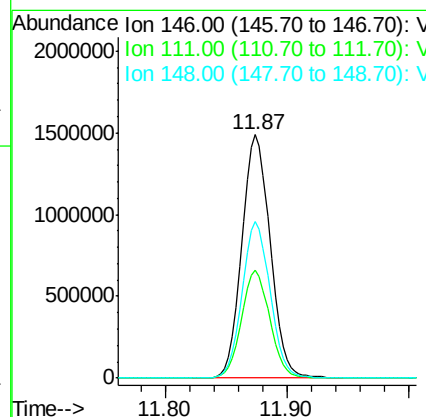
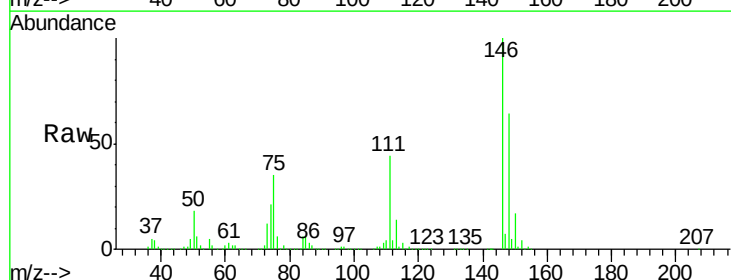
Manual Integrations
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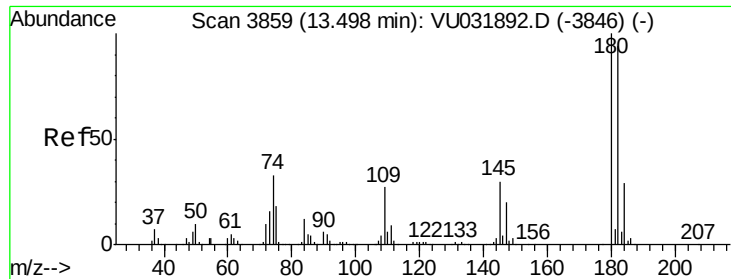
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#65
1,2-Dichlorobenzene
Concen: 159.115 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU031904.D
Acq: 10 May 2019 21:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	35.9	53.9
148	64.1	50.5	75.7





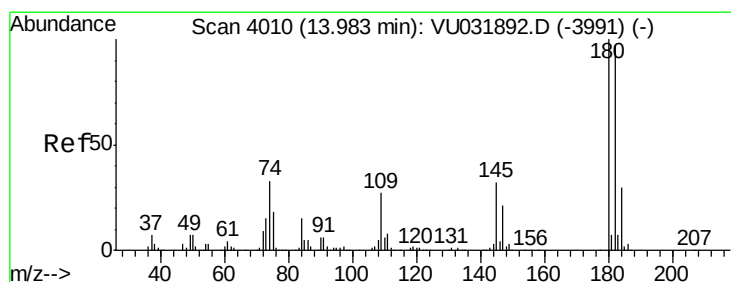
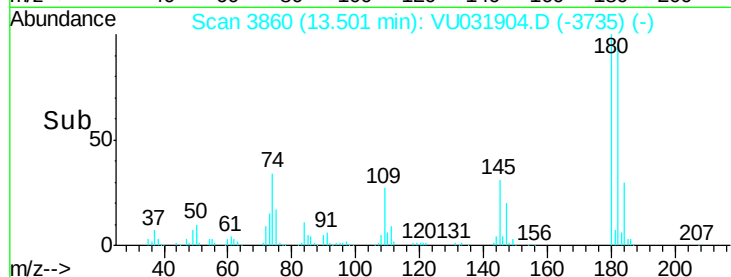
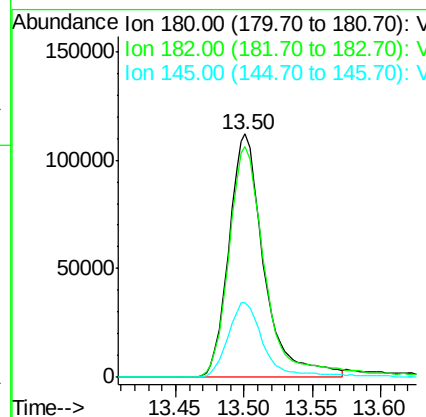
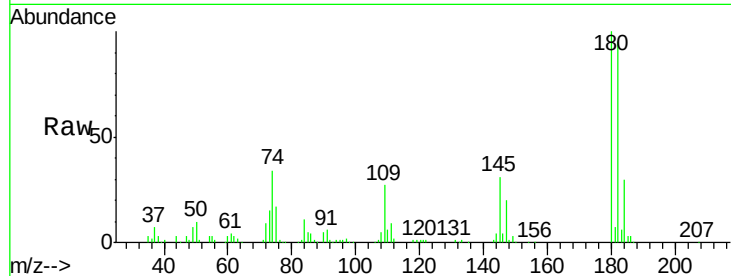
#68
 1,2,4-trichlorobenzene
 Concen: 23.917 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031904.D
 Acq: 10 May 2019 21:31

Instrument :
 MSVOA_U
 ClientSampled :
 C0C31

Tot Ion	Ratio	Resp	Lower	Upper
180	100	200401		
182	97.1	75.8	113.8	
145	30.6	24.5	36.7	

Manual Integrations
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#70
 1,2,3-Trichlorobenzene
 Concen: 5.992 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU031904.D
 Acq: 10 May 2019 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57160		
182	85.5	76.1	114.1	
145	28.0	26.0	39.0	

