

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (QT Reviewed)

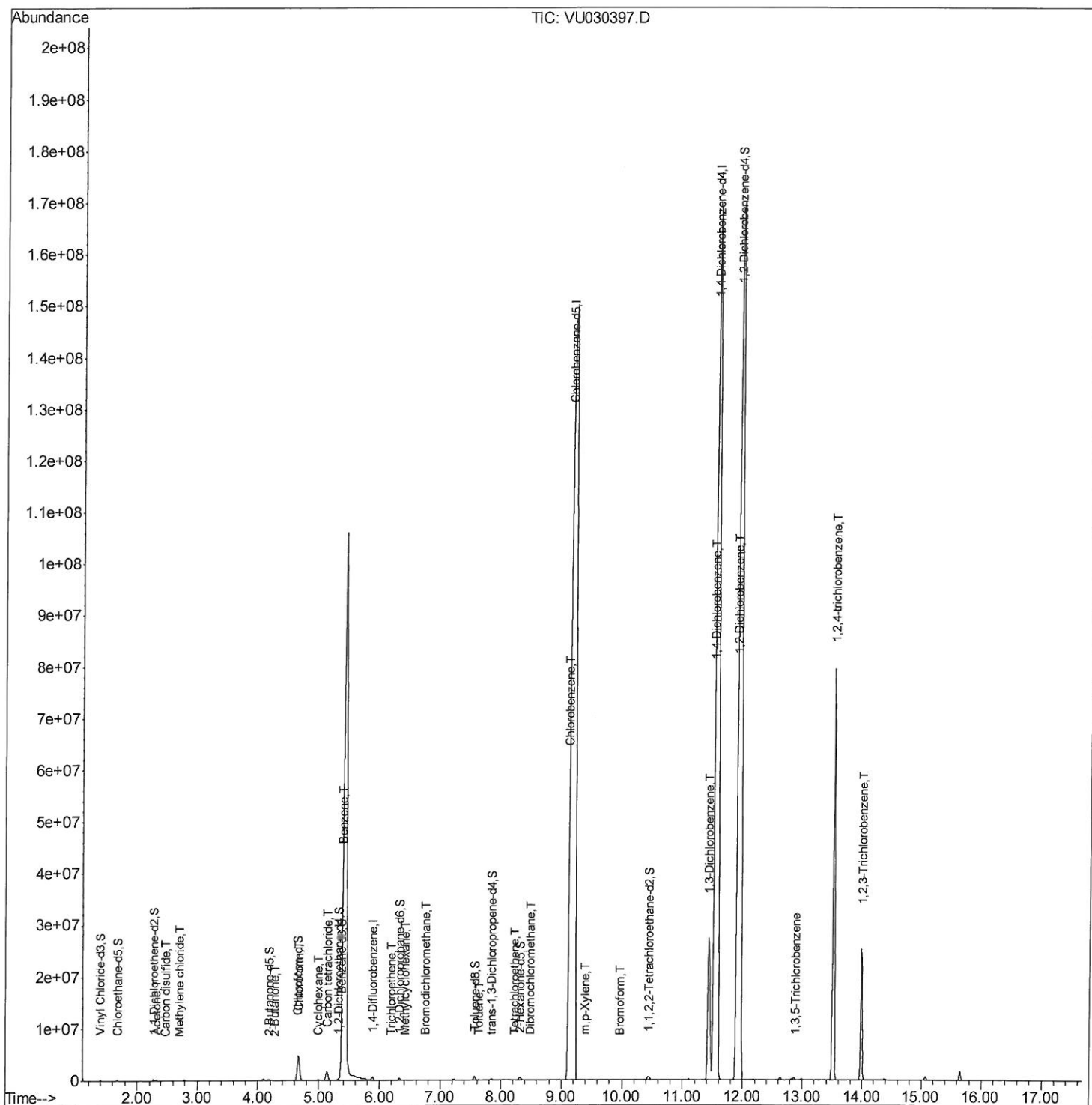
Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
Operator : JC/SP
Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Manual Integrations
APPROVED

MMDadoda
3/25/2019 1:08:41 PM

Quant Time: Mar 25 07:21:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

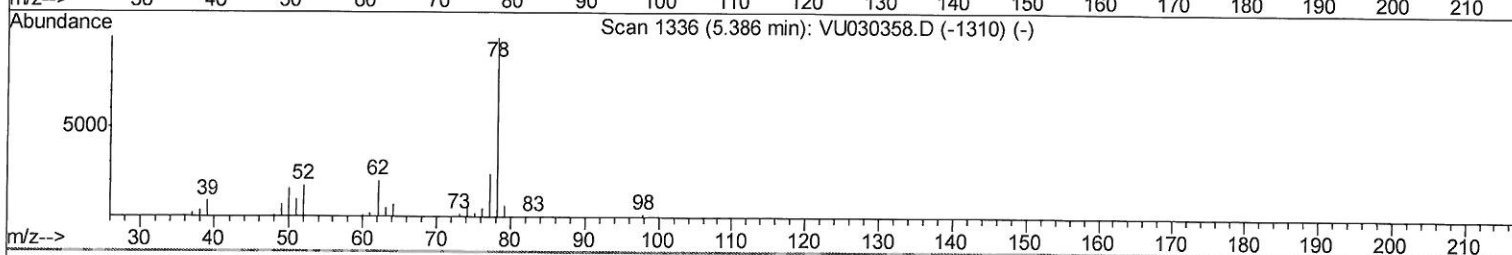
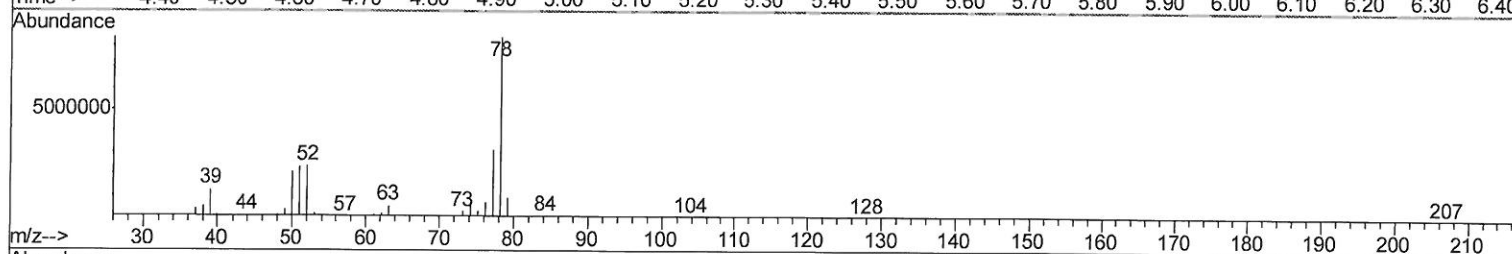
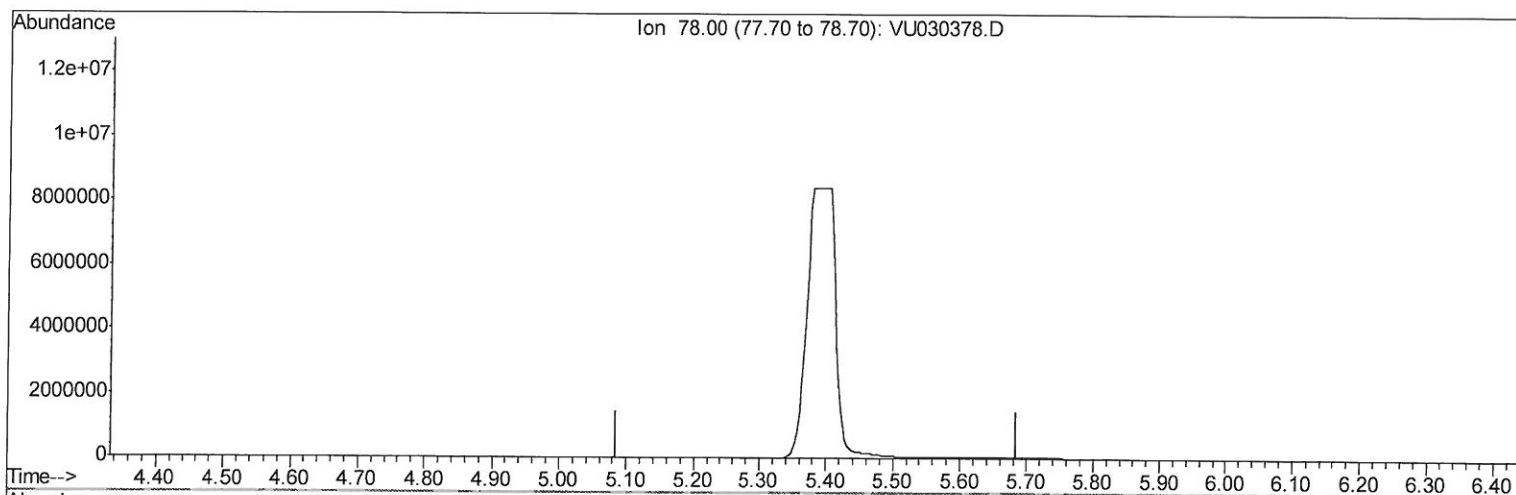
Data File : VU030378.D
Acq On : 24 Mar 2019 18:11
Operator : JC/SP
Sample : K2016-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Manual Integrations
APPROVED

MMDadoda
3/25/2019 1:08:41 PM

Quant Time: Mar 25 03:26:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration



TIC: VU030378.D

(33) Benzene (T)

5.386min (-5.386) 0.00ug/L

response 0

Ion	Exp%	Act%
78.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

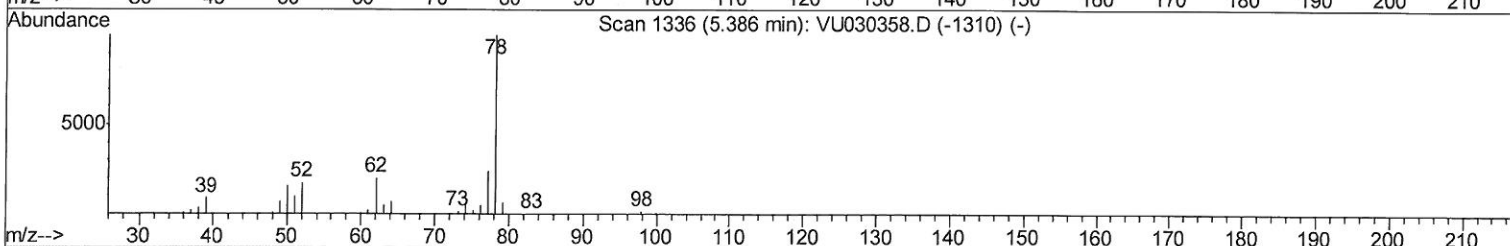
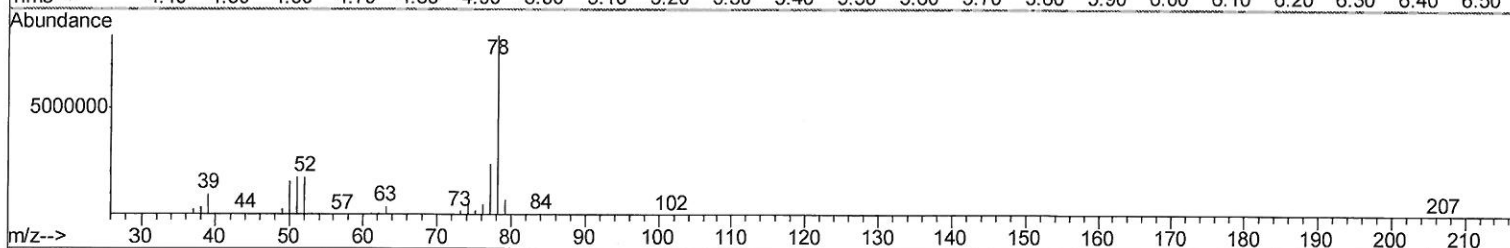
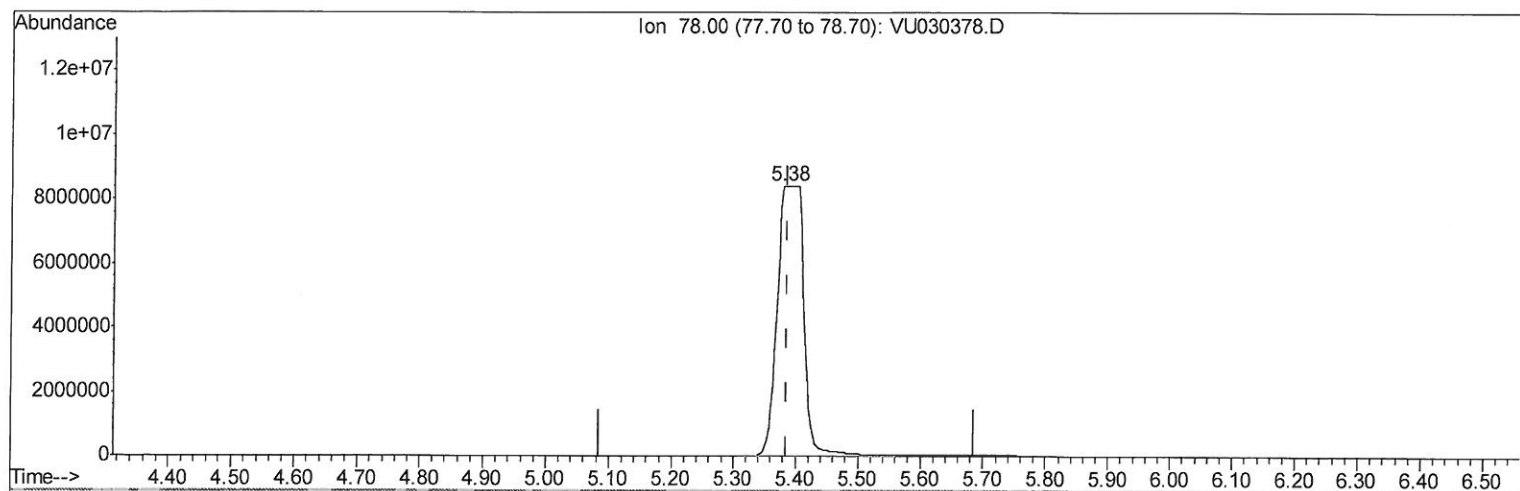
Data File : VU030378.D
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Sample : K2016-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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TIC: VU030378.D

(33) Benzene (T)

5.379min (-0.006) 1653.06ug/L m

response 24665582

Ion	Exp%	Act%
78.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

> MLO
3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

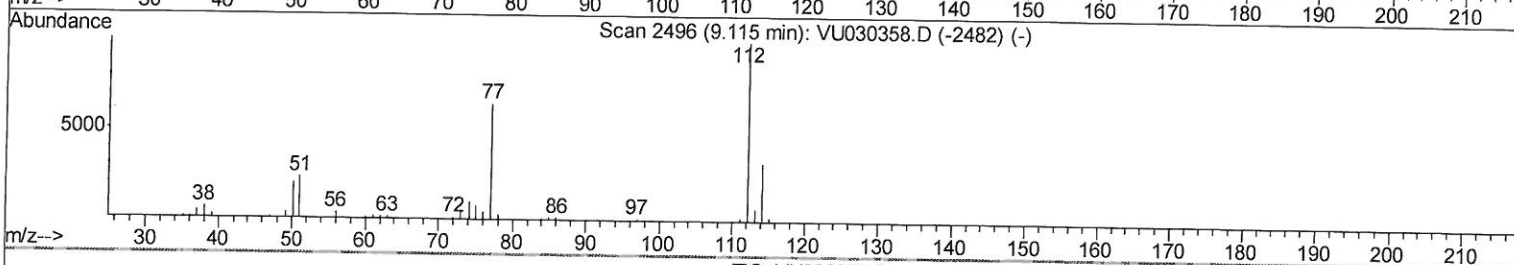
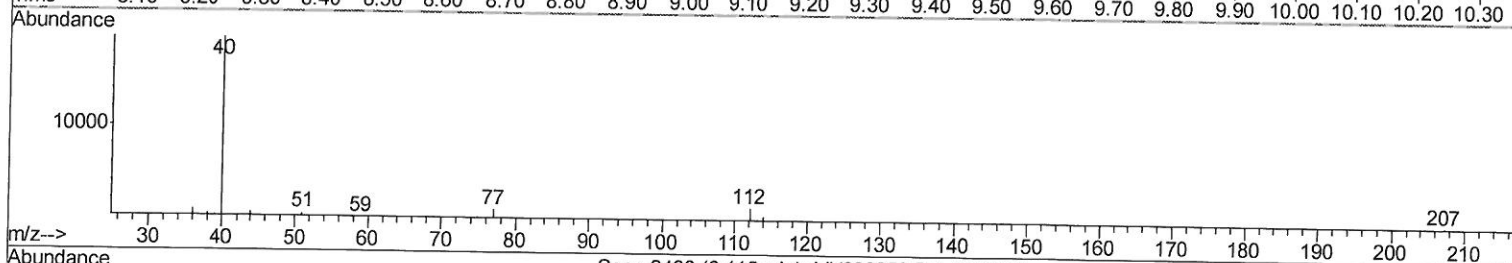
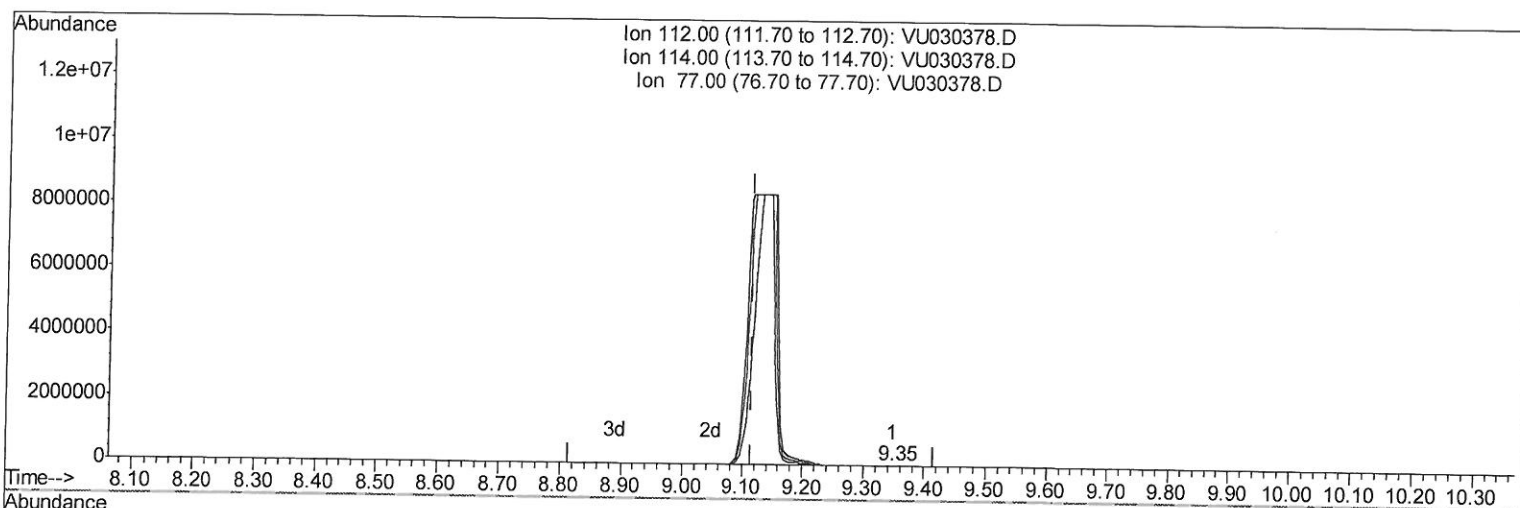
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TIC: VU030378.D

(51) Chlorobenzene (T)

9.347min (+0.231) 0.04ug/L

response 340

Ion	Exp%	Act%
112.00	100	100
114.00	30.70	34.10
77.00	64.20	72.52
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

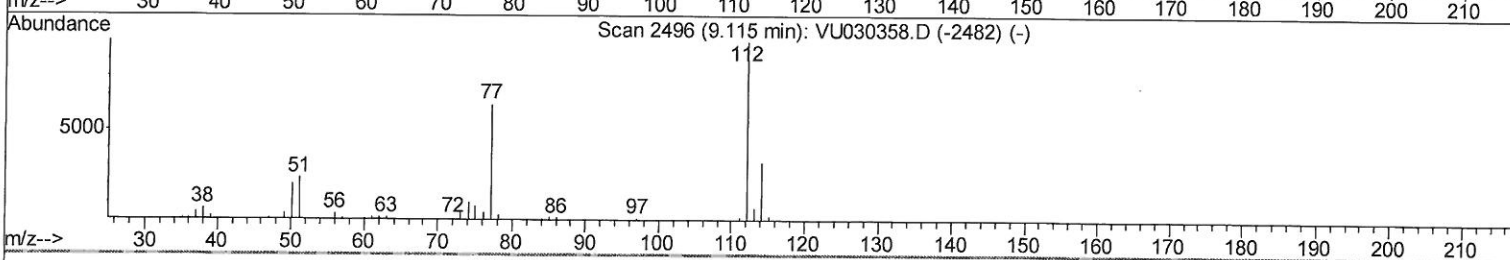
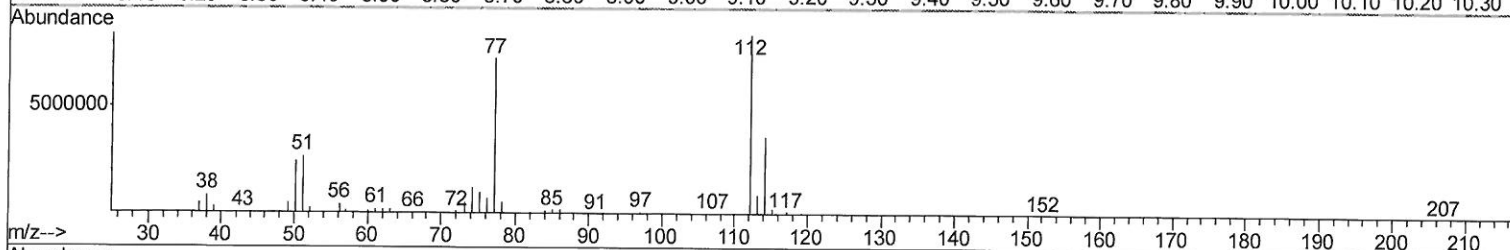
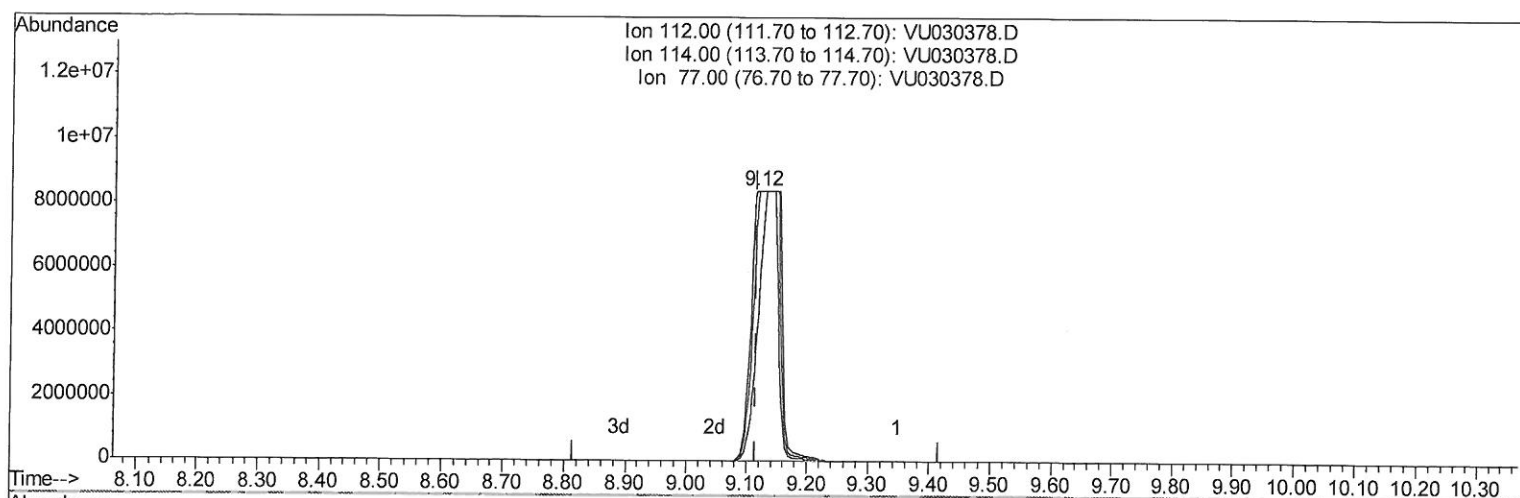
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TIC: VU030378.D

(51) Chlorobenzene (T)

9.115min (-0.000) 3016.28ug/L m

response 28308553

Ion	Exp%	Act%
112.00	100	100
114.00	30.70	43.11#
77.00	64.20	87.15#
0.00	0.00	0.00

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3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

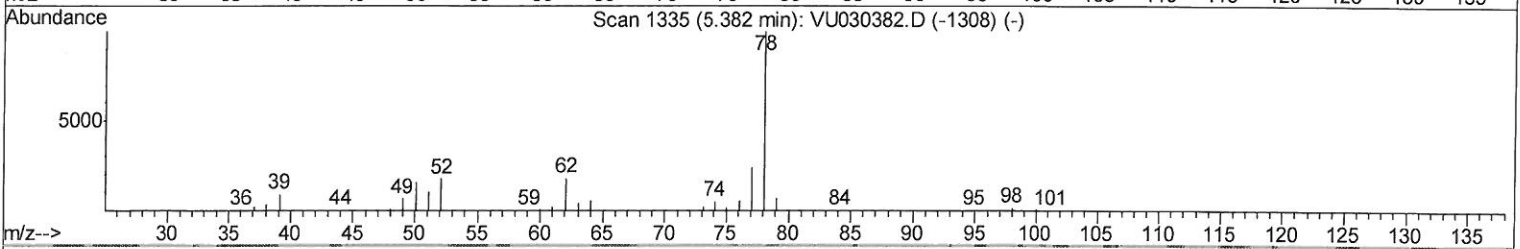
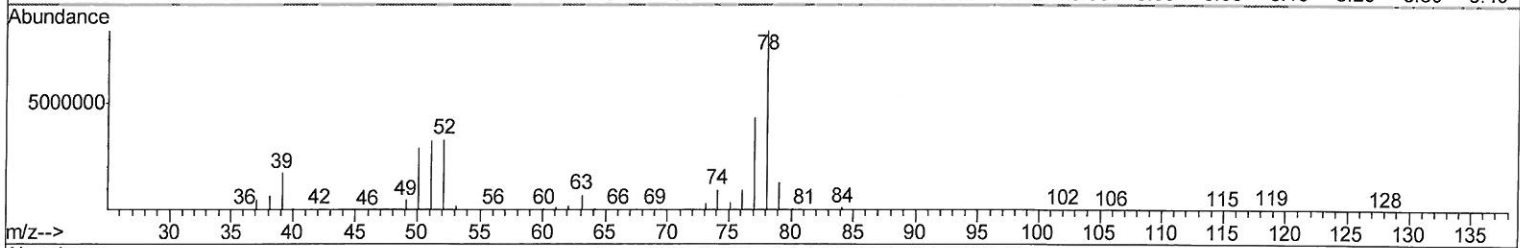
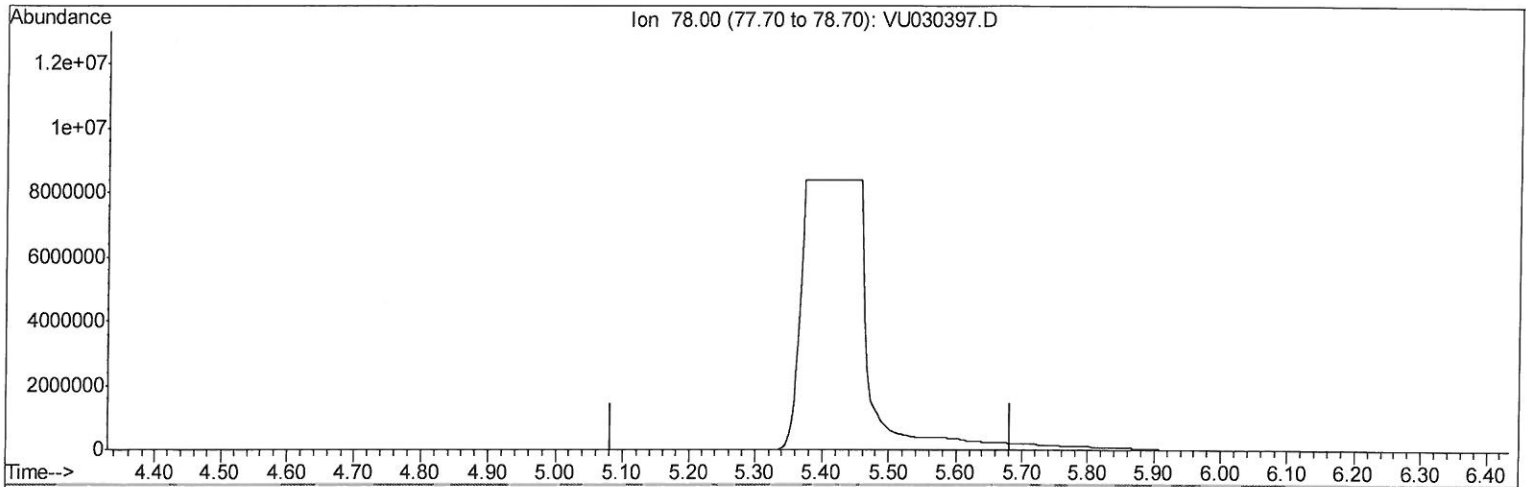
Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
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Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations
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TIC: VU030397.D

(33) Benzene (T)

5.382min (-5.382) 0.00ug/L

response 0

Ion	Exp%	Act%
78.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

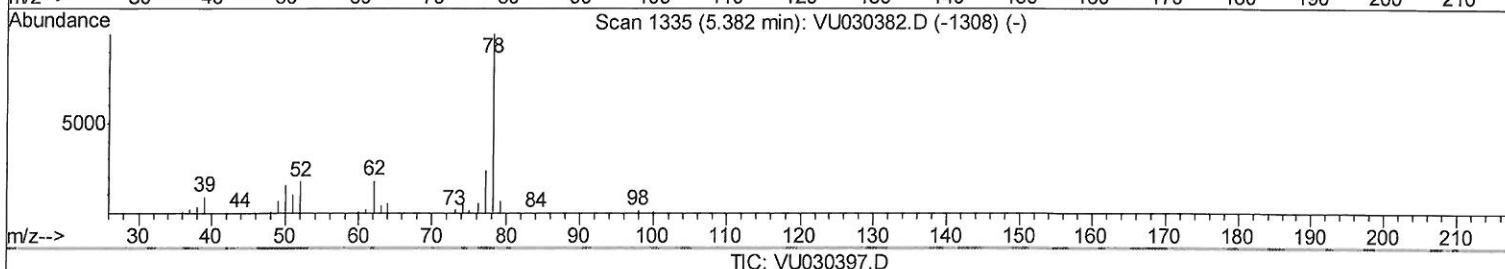
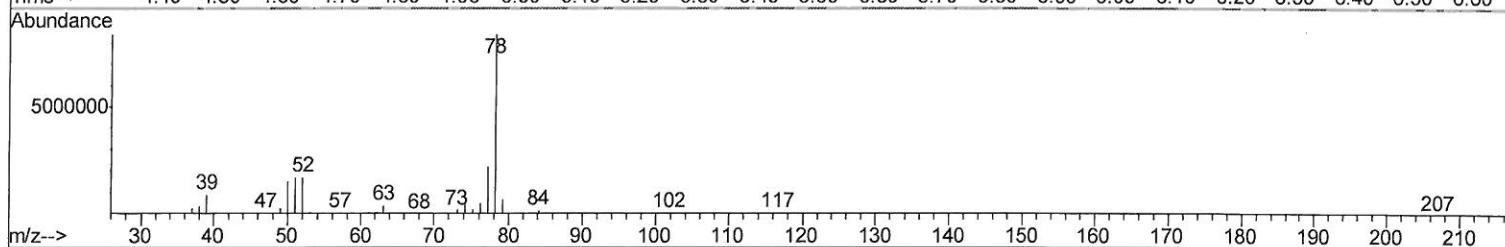
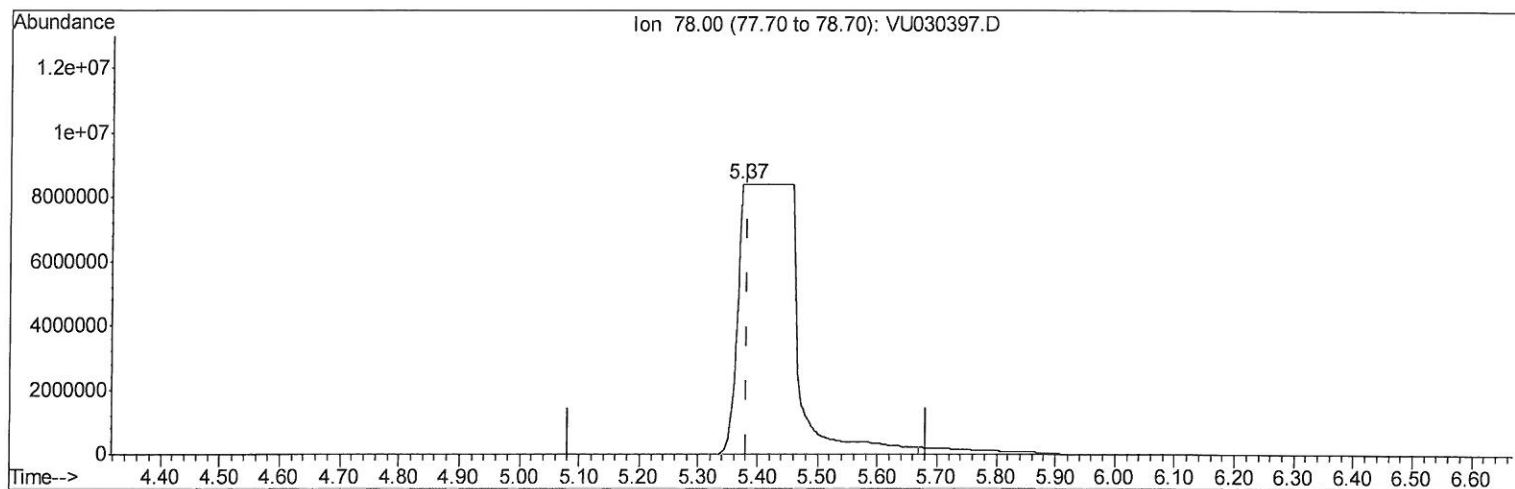
Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
Operator : JC/SP
Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Manual Integrations
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TIC: VU030397.D

(33) Benzene (T)

5.373min (-0.009) 3359.39ug/L m

response 56048362

Ion	Exp%	Act%
78.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

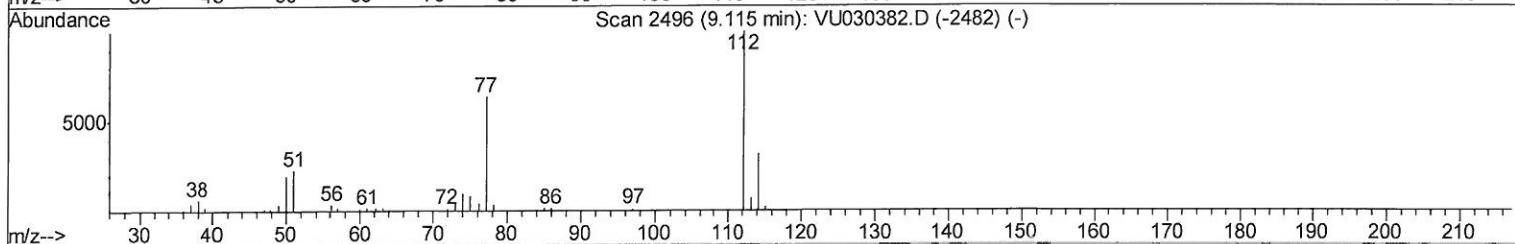
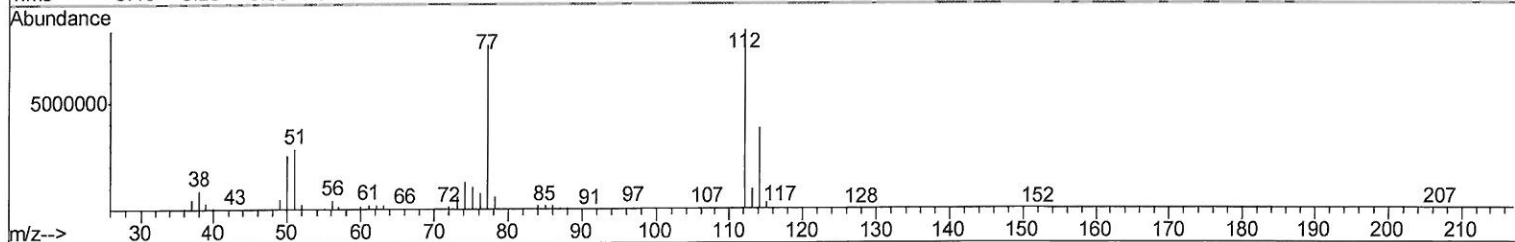
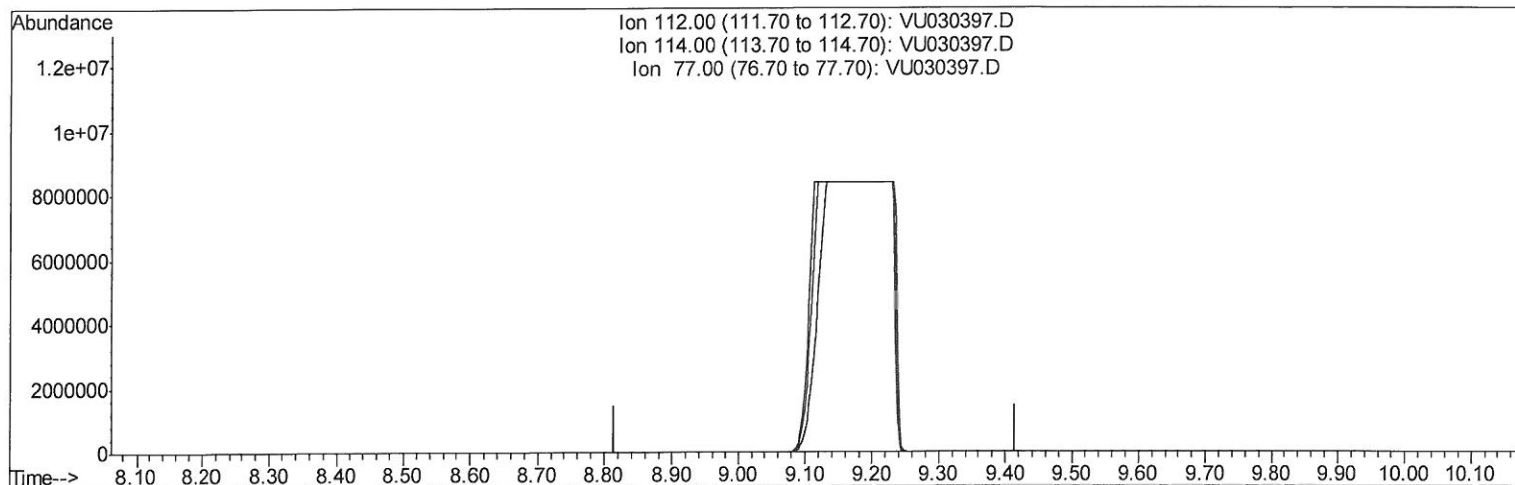
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Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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TIC: VU030397.D

(51) Chlorobenzene (T)

9.115min (-9.115) 0.00ug/L

response 0

Ion	Exp%	Act%
112.00	100	0.00
114.00	30.70	0.00#
77.00	64.20	0.00#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

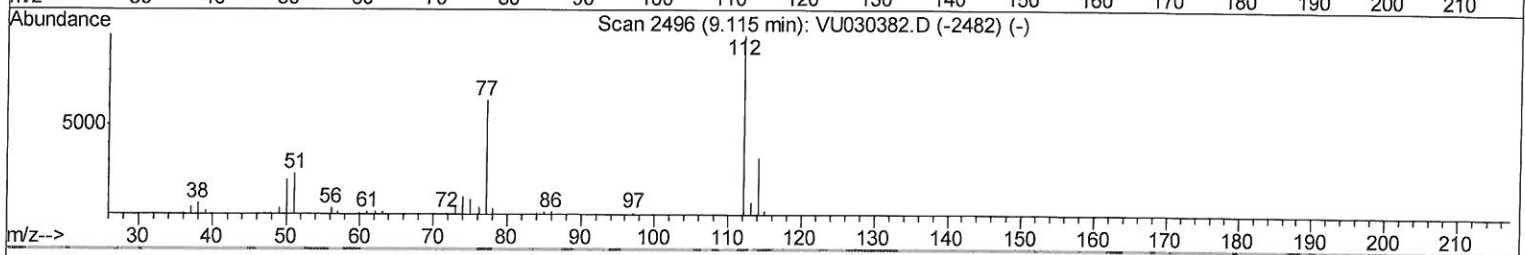
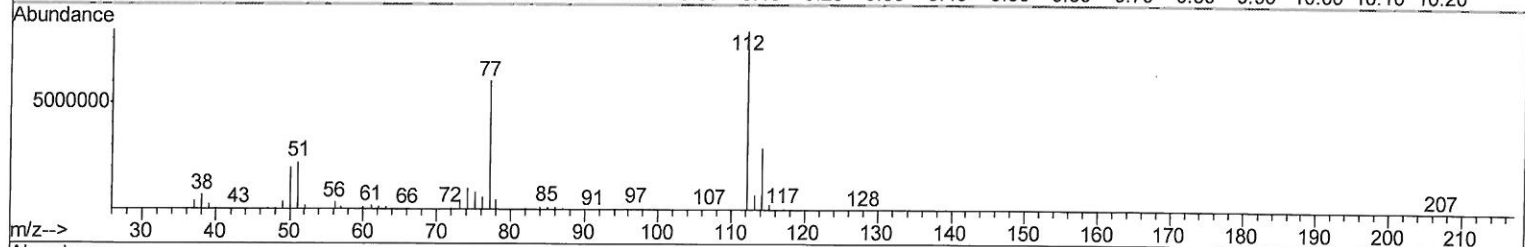
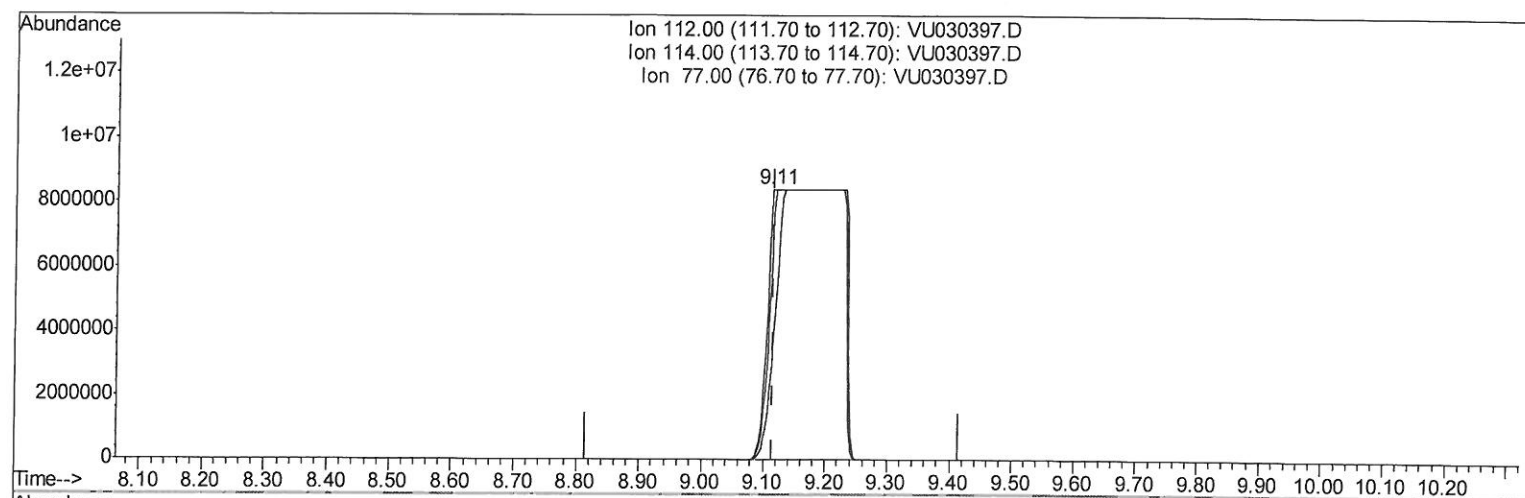
Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
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Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Manual Integrations
APPROVED

MMDadoda
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TIC: VU030397.D

(51) Chlorobenzene (T)

9.112min (-0.003) 6409.86ug/L m

response 67265811

Ion	Exp%	Act%
112.00	100	100
114.00	30.70	34.38
77.00	64.20	71.60
0.00	0.00	0.00

7MD
3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

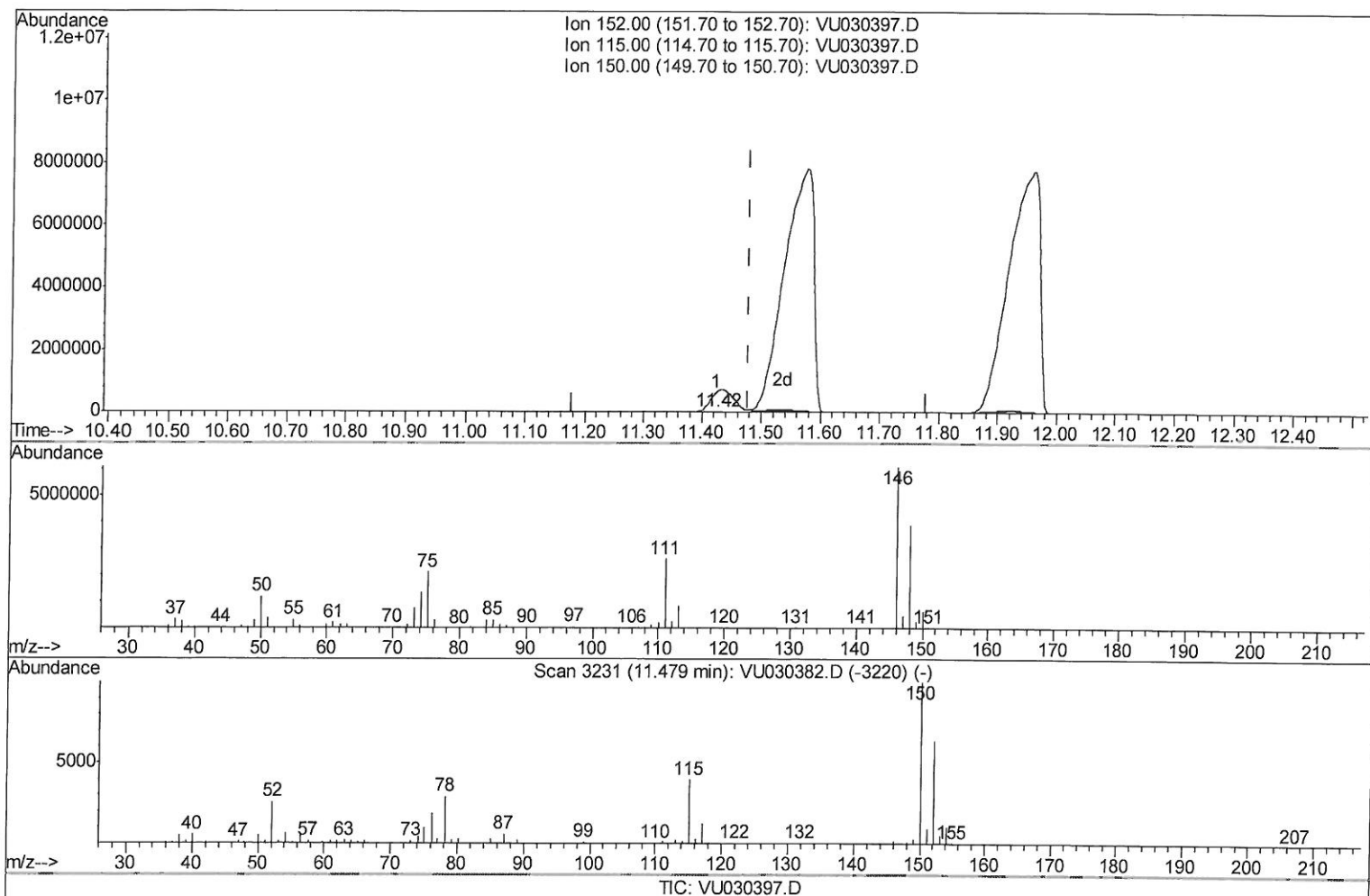
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MSVOA_U
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Manual Integrations
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(60) 1,4-Dichlorobenzene-d4 (I)

11.424min (-0.054) 50.00ug/L

response 2201

Ion	Exp%	Act%
152.00	100	100
115.00	62.00	195.73#
150.00	175.30	85266.56#
0.00	0.00	0.00

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Quantitation Report (Qedit)

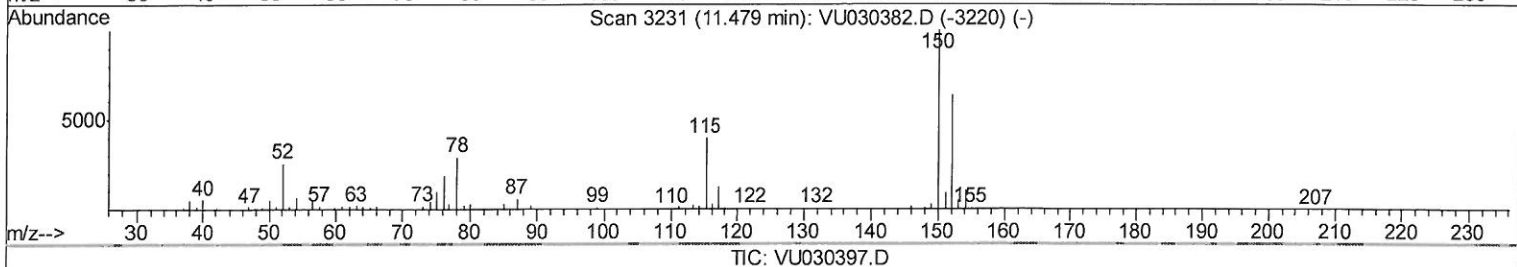
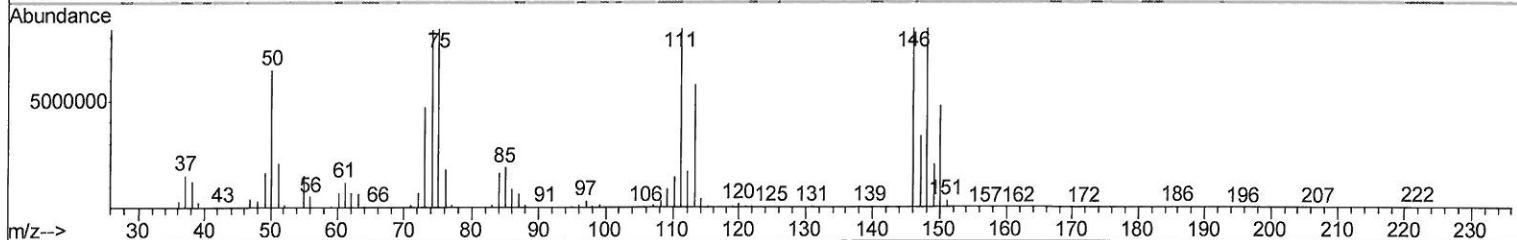
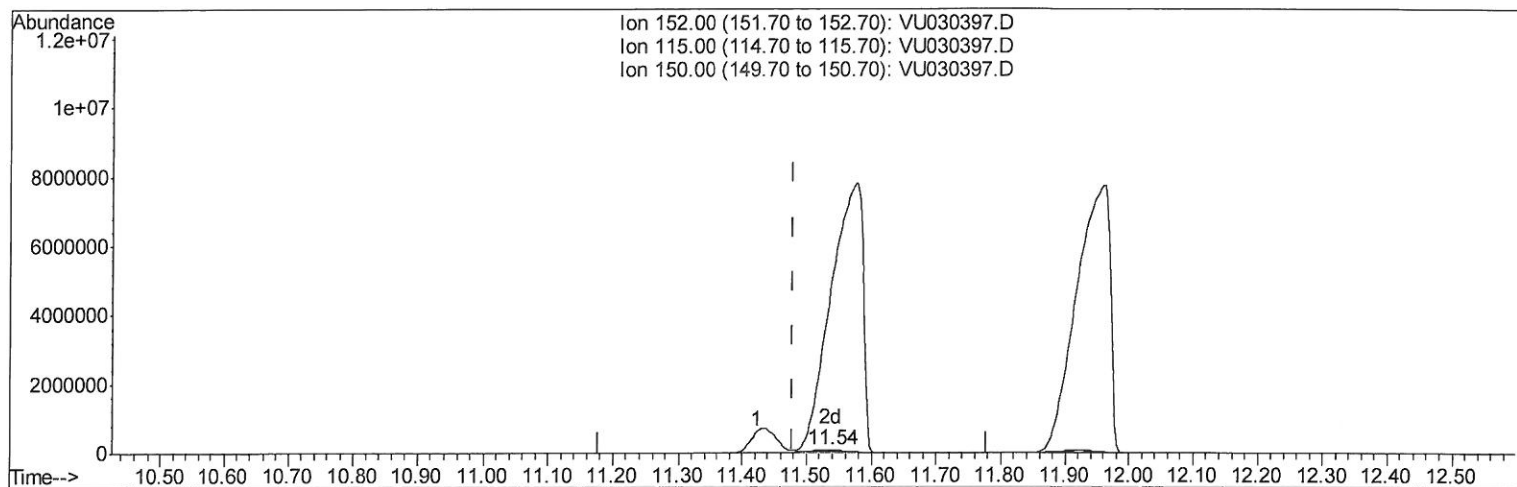
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Manual Integrations
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(60) 1,4-Dichlorobenzene-d4 (I)

11.537min (+0.058) 50.00ug/L m

response 311115

Ion	Exp%	Act%
152.00	100	100
115.00	62.00	1.38
150.00	175.30	603.22#
0.00	0.00	0.00

7 MD
5/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

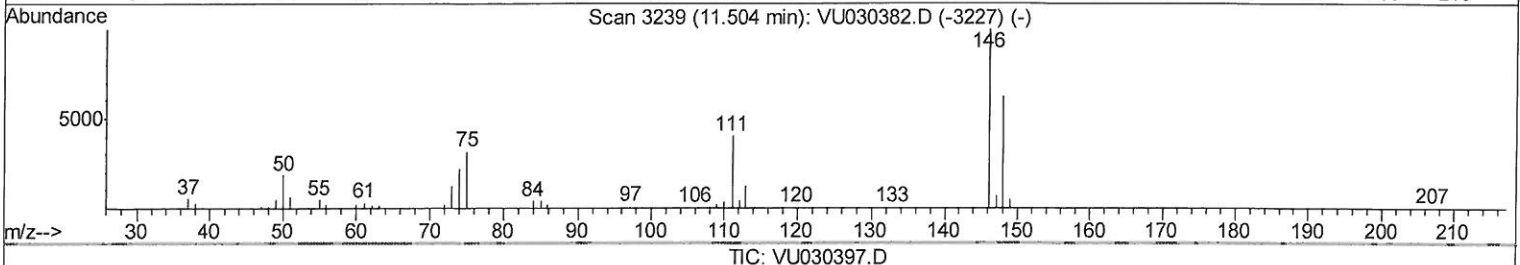
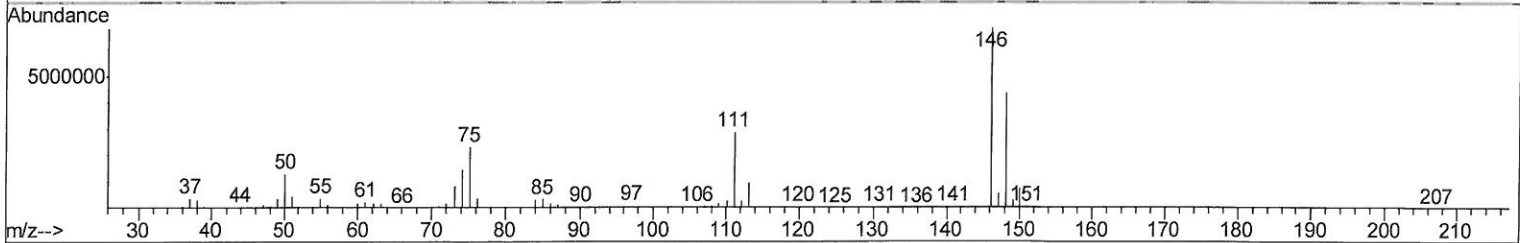
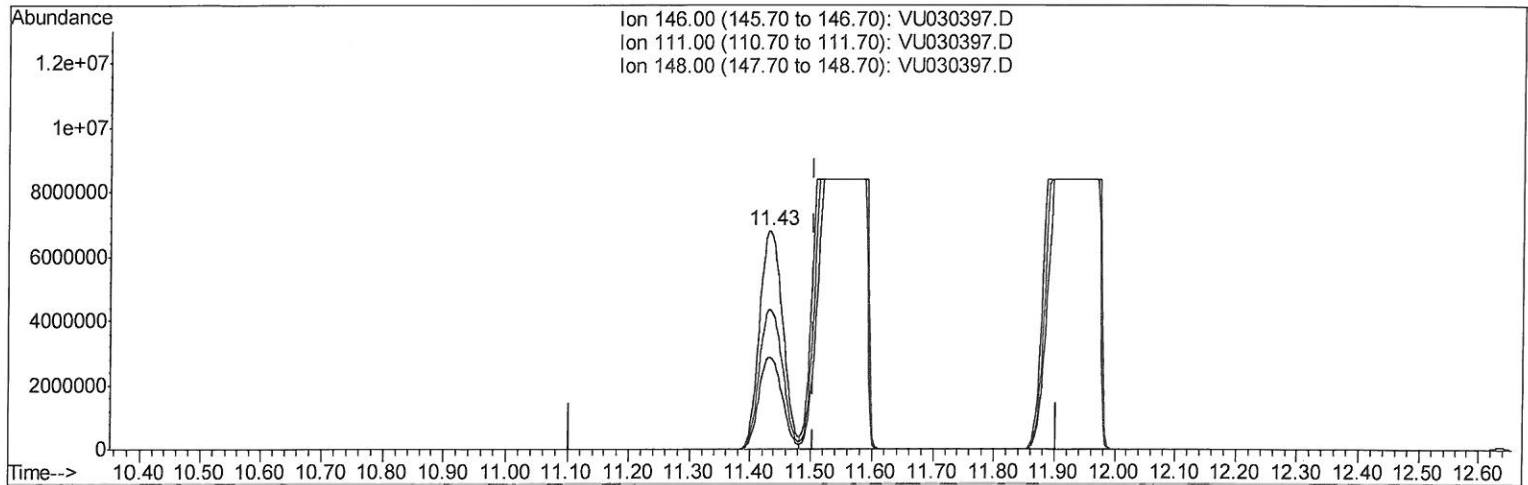
Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
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Sample : K2070-12
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ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
C09D7

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Mar 25 07:20:07 2019
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TIC: VU030397.D

(63) 1,4-Dichlorobenzene (T)

11.434min (-0.071) 1715.03ug/L

response 17963510

Ion	Exp%	Act%
146.00	100	100
111.00	41.00	42.12
148.00	63.30	64.02
0.00	0.00	0.00

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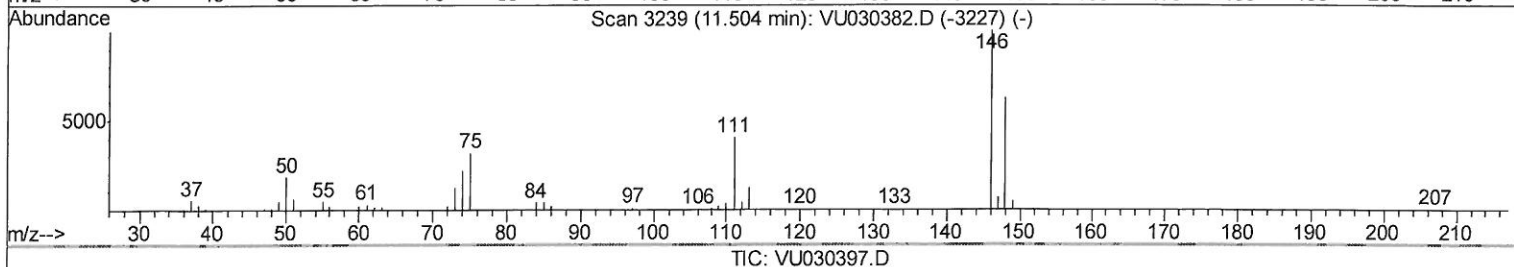
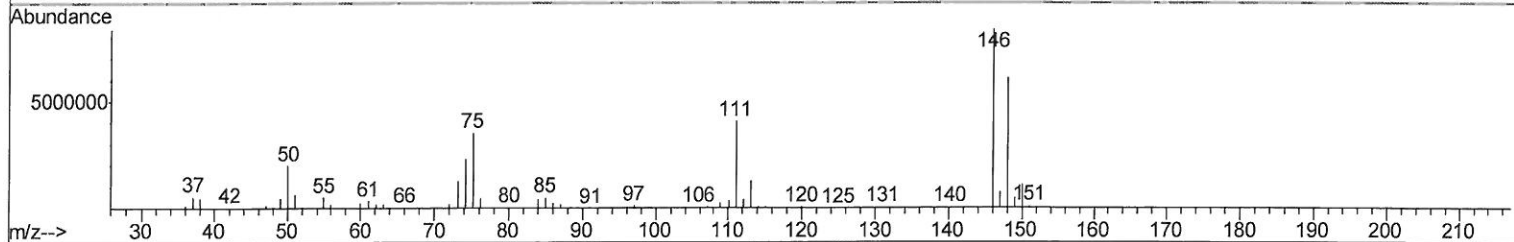
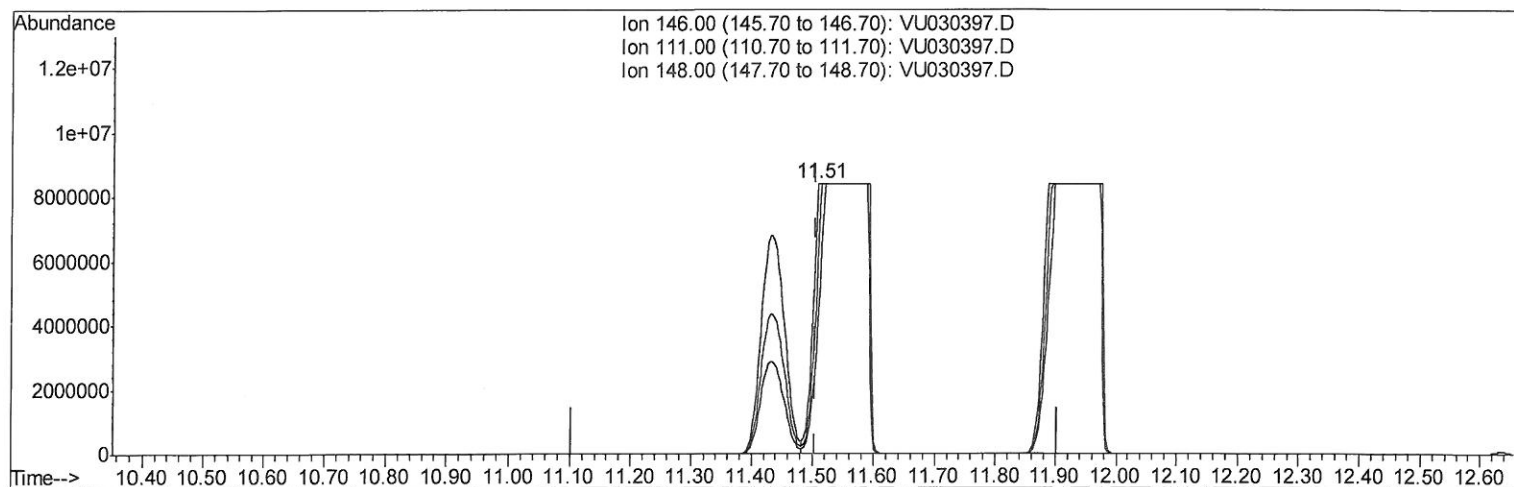
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(63) 1,4-Dichlorobenzene (T)

11.508min (+0.003) 4681.90ug/L m

response 49039082

Ion	Exp%	Act%
146.00	100	100
111.00	41.00	48.48
148.00	63.30	72.47
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

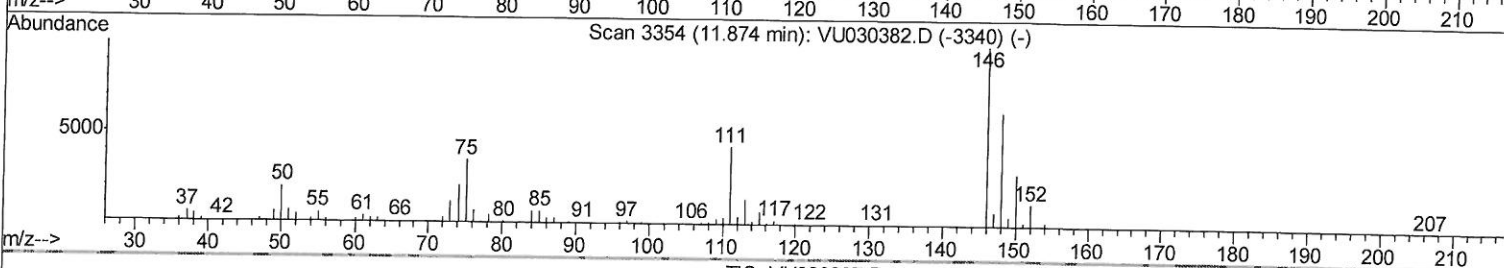
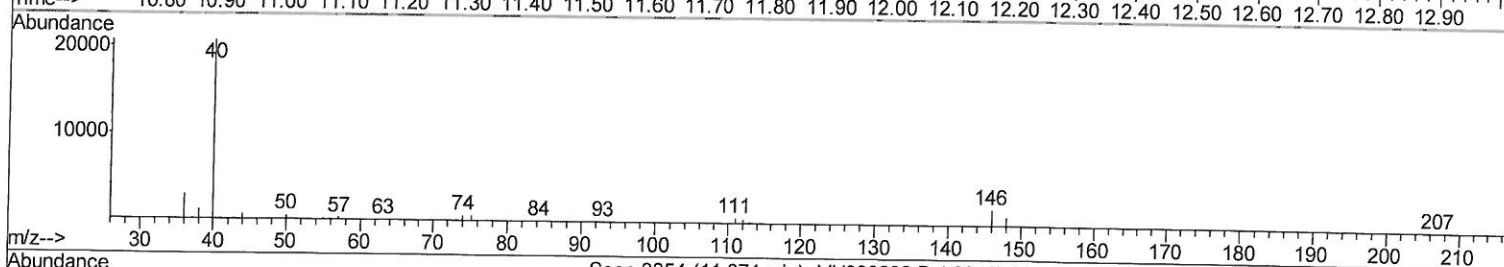
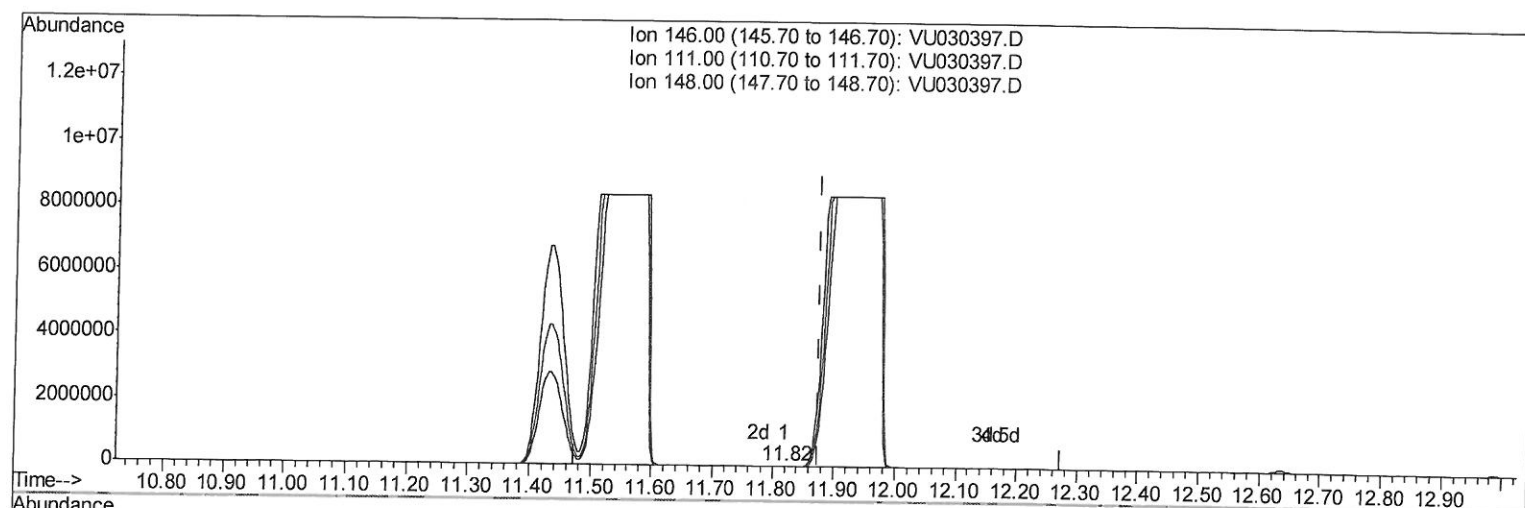
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TIC: VU030397.D

(65) 1,2-Dichlorobenzene (T)

11.820min (-0.054) 0.05ug/L

response 507

Ion	Exp%	Act%
146.00	100	100
111.00	43.60	33.75#
148.00	64.00	56.97
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

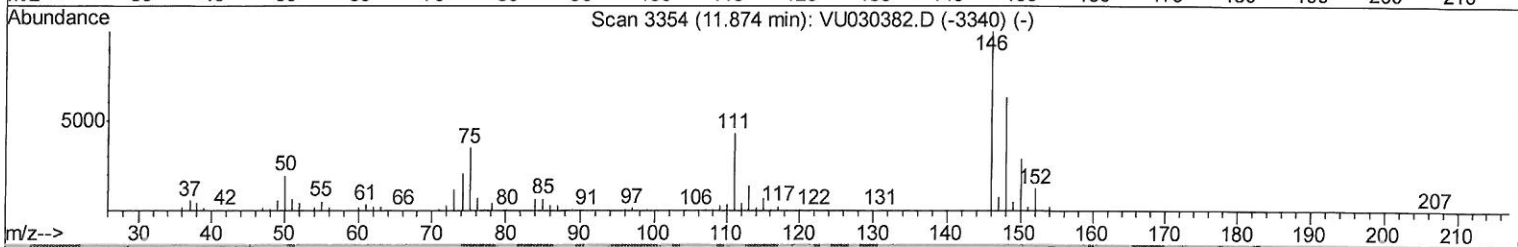
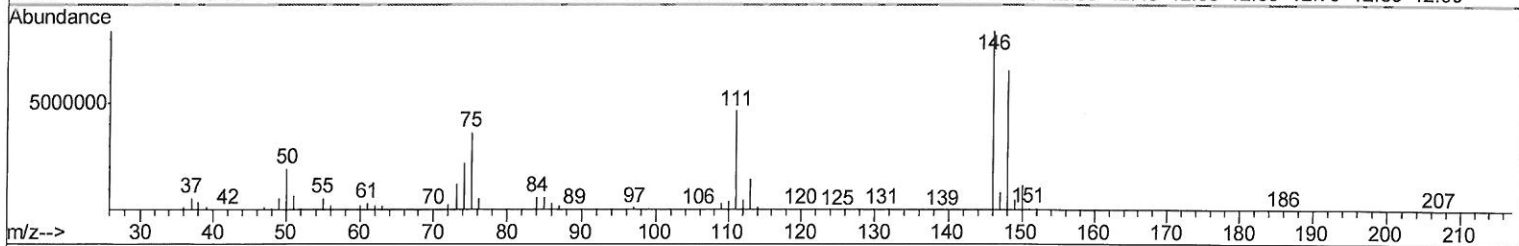
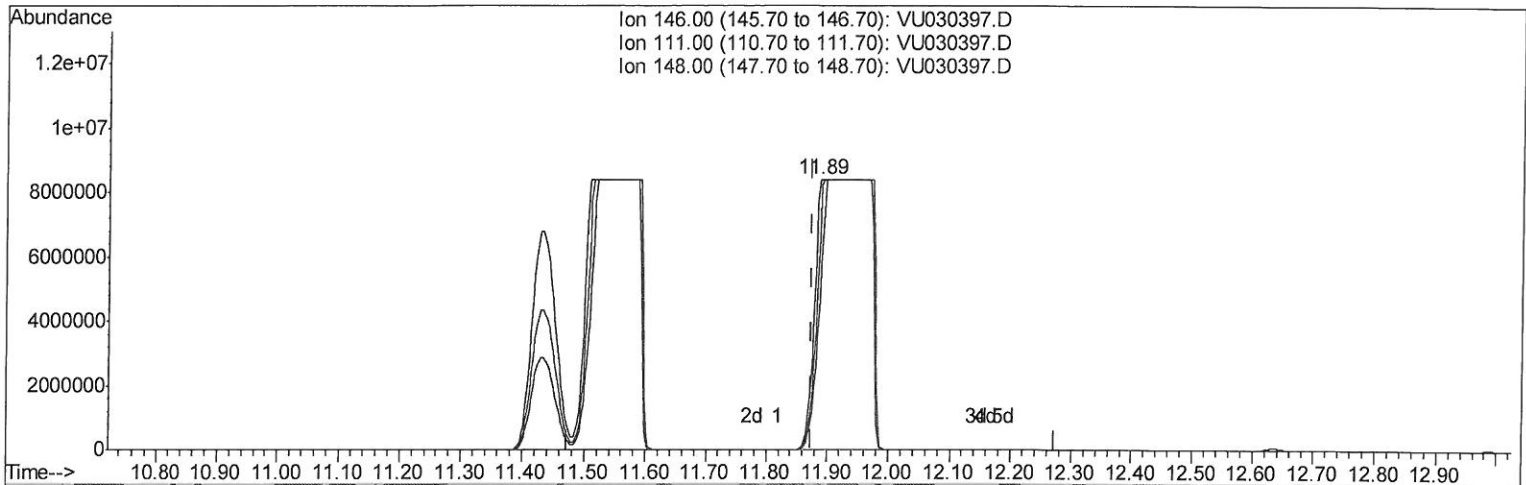
Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
Operator : JC/SP
Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Manual Integrations
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MMDadoda
3/25/2019 1:08:41 PM

Quant Time: Mar 25 07:20:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration



TIC: VU030397.D

(65) 1,2-Dichlorobenzene (T)

11.887min (+0.013) 5011.73ug/L m

response 51559830

Ion	Exp%	Act%
146.00	100	100
111.00	43.60	55.44#
148.00	64.00	78.27#
0.00	0.00	0.00

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3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

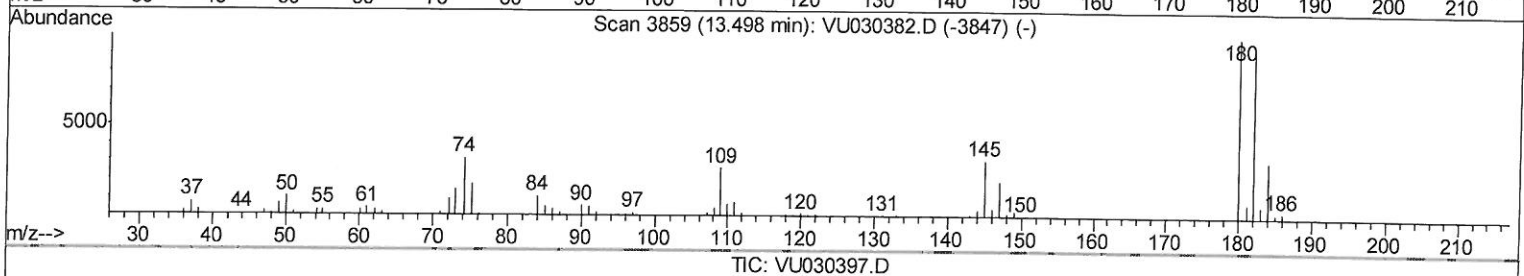
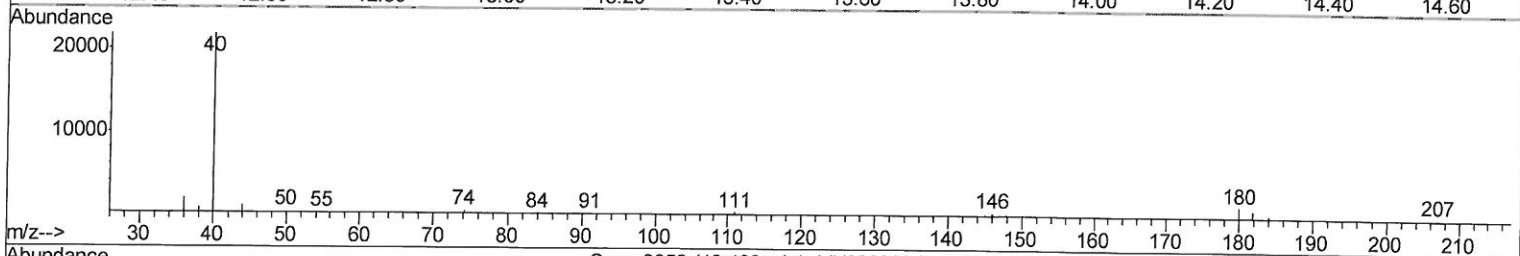
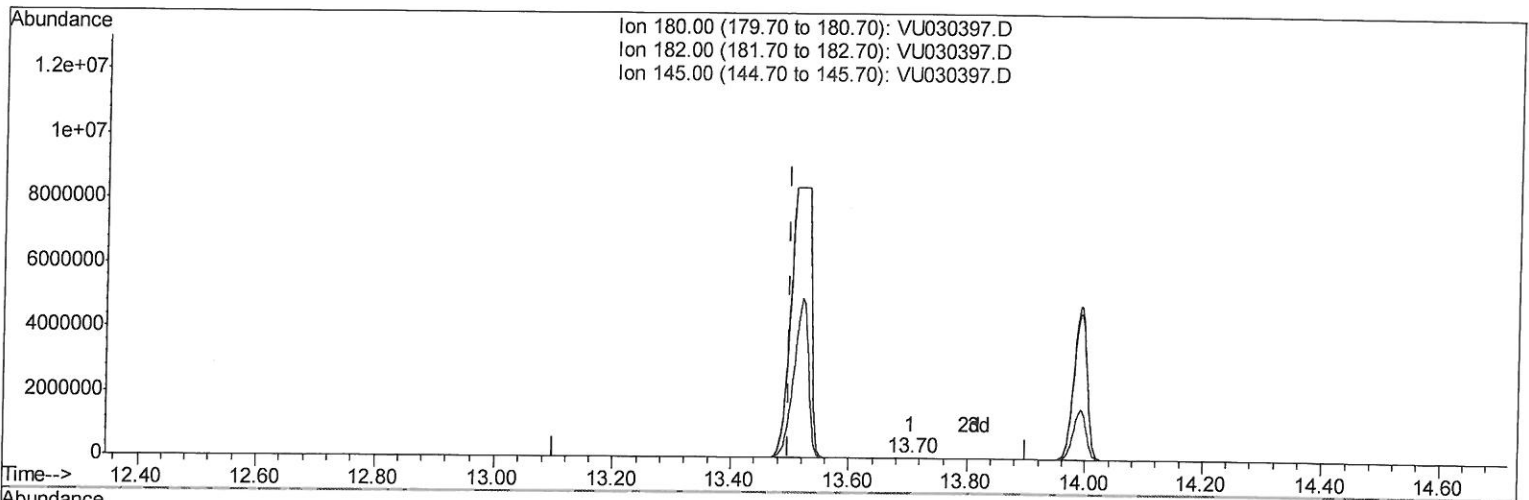
Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
Operator : JC/SP
Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Manual Integrations
APPROVED

MMDadoda
3/25/2019 1:08:41 PM

Quant Time: Mar 25 07:20:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration



TIC: VU030397.D

(68) 1,2,4-trichlorobenzene (T)

13.704min (+0.206) 0.03ug/L

response 200

Ion	Exp%	Act%
180.00	100	100
182.00	95.10	0.00#
145.00	30.60	40.50#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Qedit)

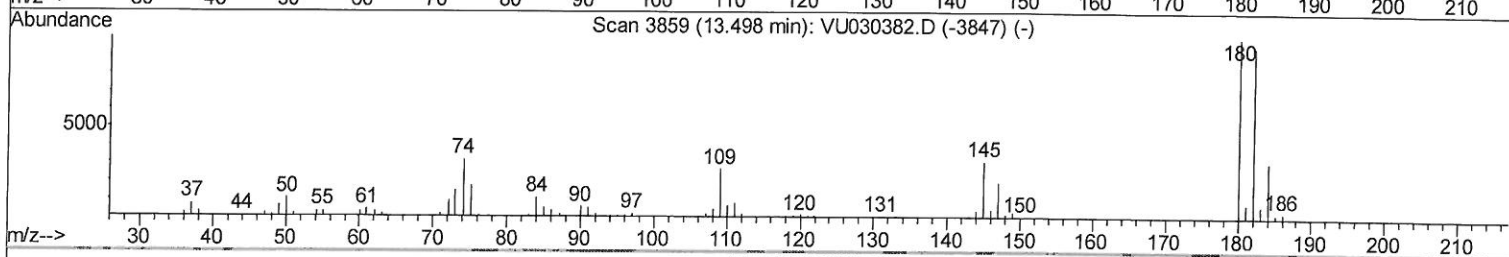
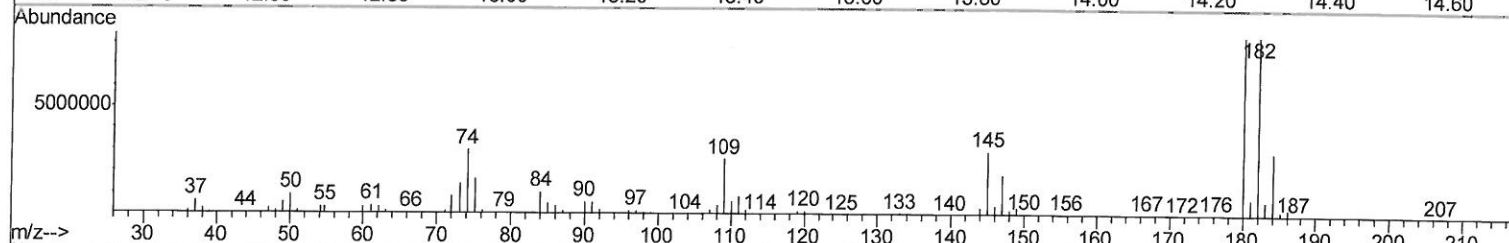
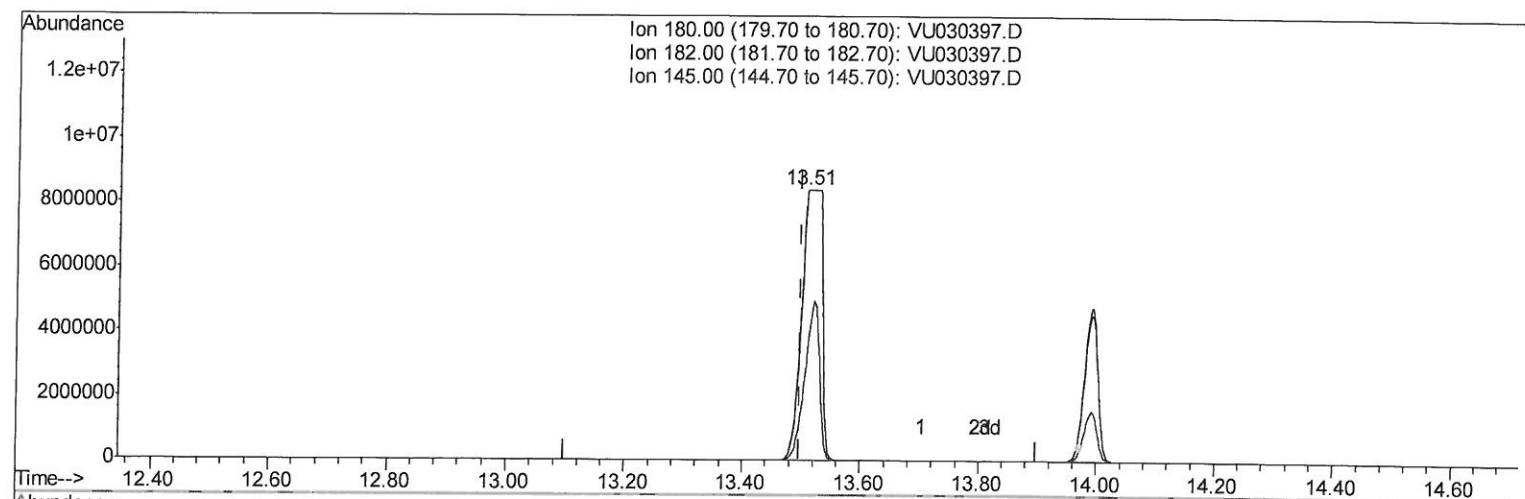
Data File : VU030397.D
Acq On : 25 Mar 2019 04:25
Operator : JC/SP
Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D7

Manual Integrations
APPROVED

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Response via : Initial Calibration



TIC: VU030397.D

(68) 1,2,4-trichlorobenzene (T)

13.508min (+0.010) 3058.43ug/L m

response 20240637

Ion	Exp%	Act%
180.00	100	100
182.00	95.10	0.00#
145.00	30.60	0.00#
0.00	0.00	0.00

7MB
3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (QT Reviewed)

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Acq On : 25 Mar 2019 04:25
Operator : JC/SP
Sample : K2070-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
Client Sampled :
C09D7

Manual Integrations
APPROVED

MMDadoda
3/25/2019 1:08:41 PM

Quant Time: Mar 25 07:21:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	452739	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.15	117	490117	50.00	ug/L	0.06
60) 1,4-Dichlorobenzene-d4	11.54	152	311115m	50.00	ug/L	0.06

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System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	125345	34.40	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.80%		
7) Chloroethane-d5	1.67	69	113727	39.38	ug/L	0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	78.76%		
11) 1,1-Dichloroethene-d2	2.27	63	198142	28.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.34%#		
21) 2-Butanone-d5	4.18	46	308798	90.16	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.16%		
24) Chloroform-d	4.65	84	452778	72.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	144.24%#		
26) 1,2-Dichloroethane-d4	5.32	65	187526	45.65	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.30%		
32) Benzene-d6	5.35	84	563509	40.09	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.18%		
36) 1,2-Dichloropropane-d6	6.33	67	201478	41.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.80%		
41) Toluene-d8	7.56	98	516757	40.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.88%		
43) trans-1,3-Dichloropropene-	7.85	79	87792	38.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.66%		
47) 2-Hexanone-d5	8.31	63	227663	87.36	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.36%		
57) 1,1,2,2-Tetrachloroethane-	10.43	84	304182	44.20	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.40%		
64) 1,2-Dichlorobenzene-d4	11.92	152	301250	48.33	ug/L	0.06
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.66%		

Target Compounds

					Qvalue	
13) Acetone	2.32	43	231292	66.773	ug/L	99
14) Carbon disulfide	2.47	76	6019	0.562	ug/L	97
16) Methylene chloride	2.70	84	8265	2.164	ug/L	89
22) 2-Butanone	4.28	43	18823	4.496	ug/L	96
25) Chloroform	4.67	83	4572682	689.801	ug/L	98
29) Cyclohexane	4.99	56	73733	9.941	ug/L	98
31) Carbon tetrachloride	5.14	117	1294661	254.519	ug/L	98
33) Benzene	5.37	78	56048362m	3359.391	ug/L	98
34) Trichloroethene	6.19	95	18314	4.465	ug/L	96
35) Methylcyclohexane	6.41	83	20630	3.057	ug/L	76
38) Bromodichloromethane	6.76	83	49014	8.712	ug/L	98
42) Toluene	7.64	91	51162	2.955	ug/L	99
46) Tetrachloroethene	8.23	164	11607	4.052	ug/L	99
49) Dibromochloromethane	8.48	129	26869	6.464	ug/L	100
51) Chlorobenzene	9.11	112	67265811m	6409.856	ug/L	99
53) m,p-Xylene	9.39	106	3738	0.552	ug/L	99
61) Bromoform	9.96	173	11308	2.734	ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3-Dichlorobenzene	11.43	146	17963510	1765.577	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	49039082m	4681.902	ug/L	
65) 1,2-Dichlorobenzene	11.89	146	51559830m	5011.731	ug/L	
67) 1,3,5-Trichlorobenzene	12.89	180	11794	1.548	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	20240637m	3058.426	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	7531571	1077.741	ug/L	99

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

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