

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\

Data File : VU030377.D

Acq On : 24 Mar 2019 17:48

Operator : JC/SP

Sample : K2016-11

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 25 13:43:39 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

Instrument :

MSVOA_U

ClientSampleId :

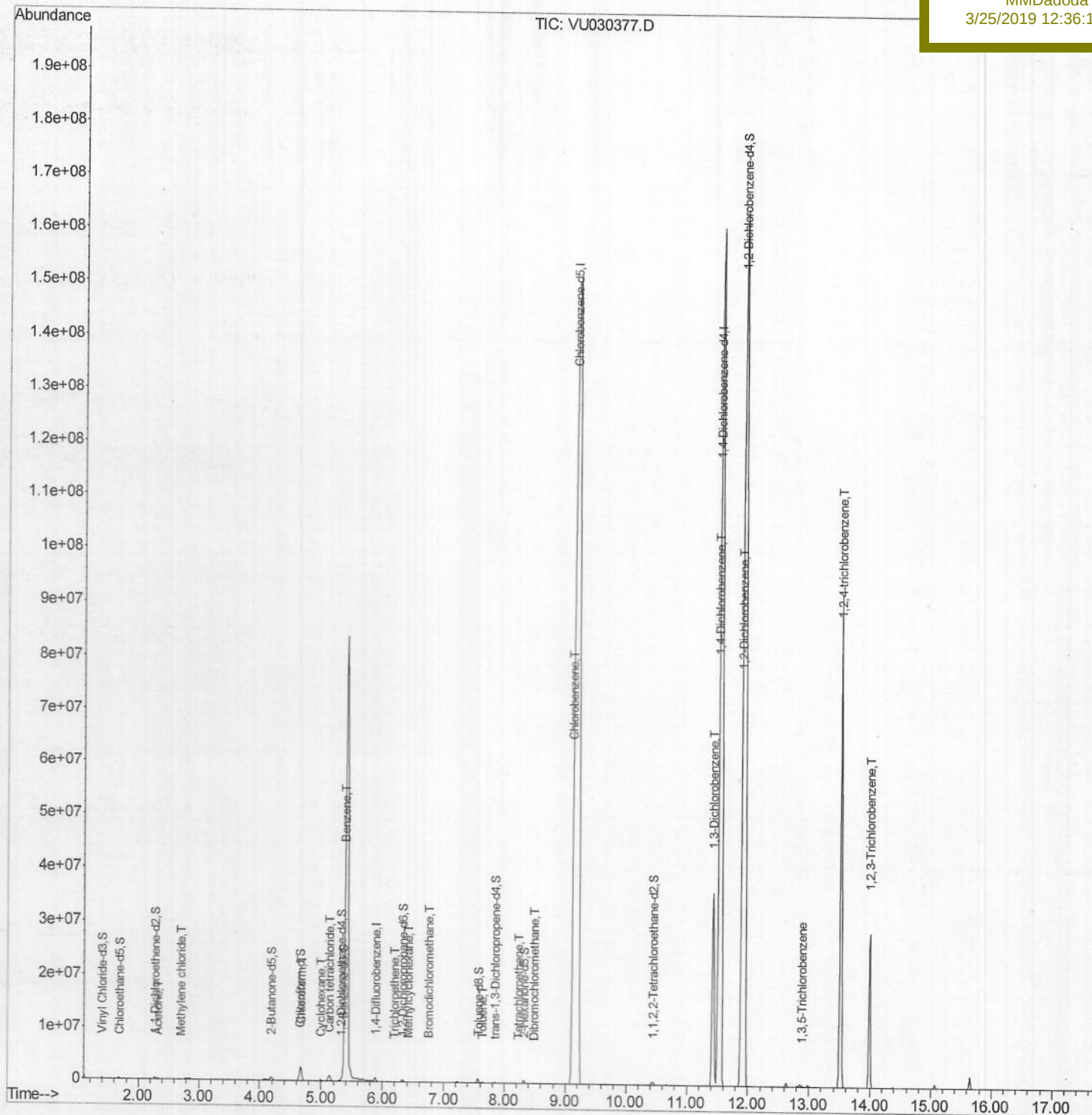
C0988

Manual Integrations

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3/25/2019 12:36:13 PM



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

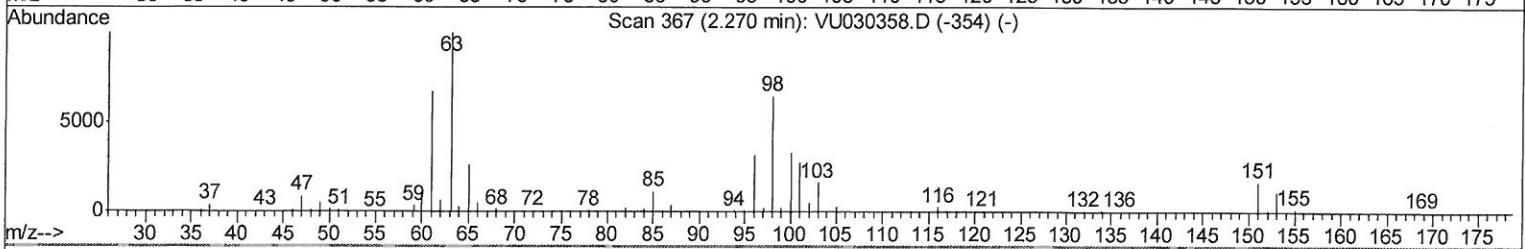
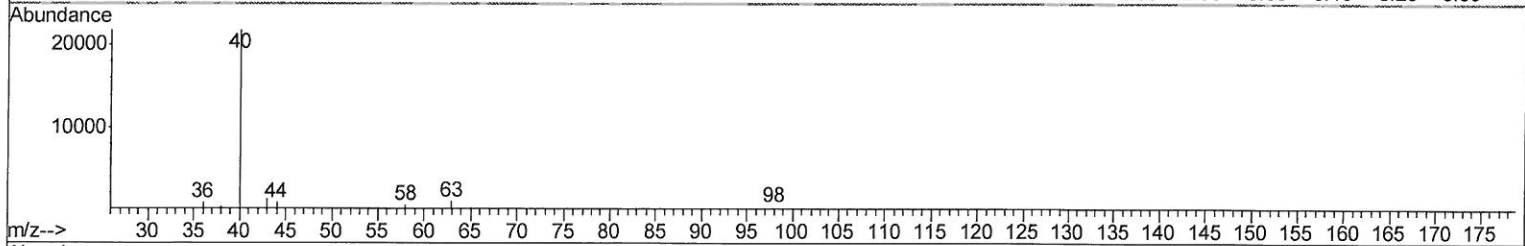
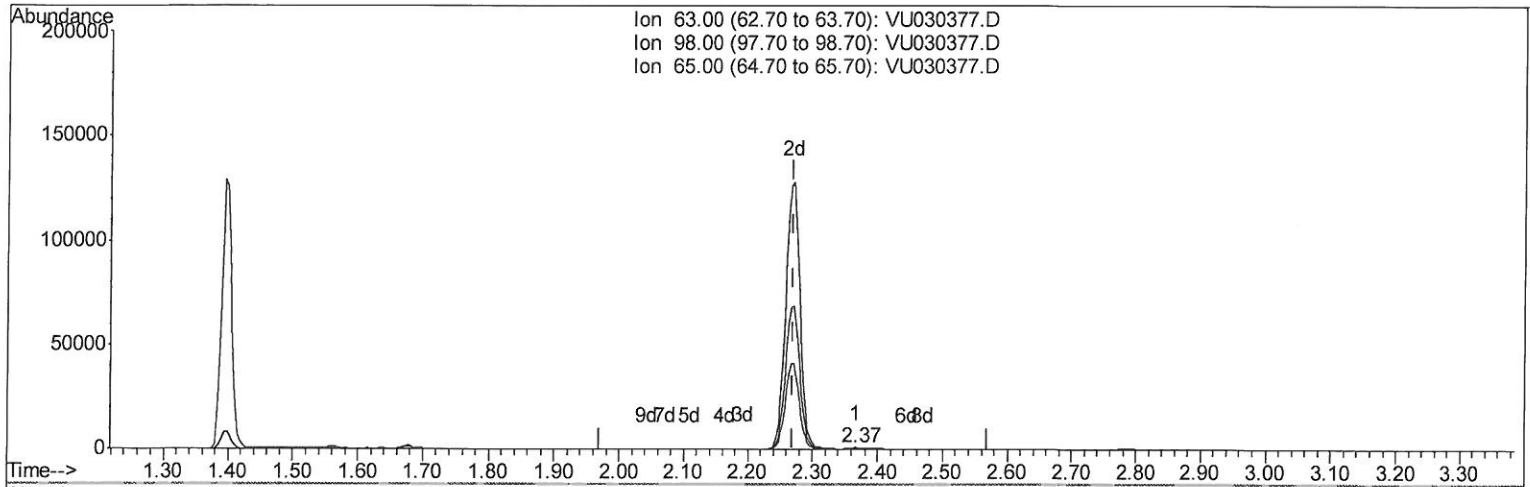
Data File : VU030377.D
Acq On : 24 Mar 2019 17:48
Operator : JC/SP
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

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3/25/2019 12:36:13 PM

Quant Time: Mar 25 03:26:37 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: VU030377.D

(11) 1,1-Dichloroethene-d2 (S)

2.366min (+0.097) 0.14ug/L

response 904

Ion	Exp%	Act%
63.00	100	100
98.00	68.80	50.77
65.00	23.30	22.79
0.00	0.00	0.00

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Quantitation Report (Qedit)

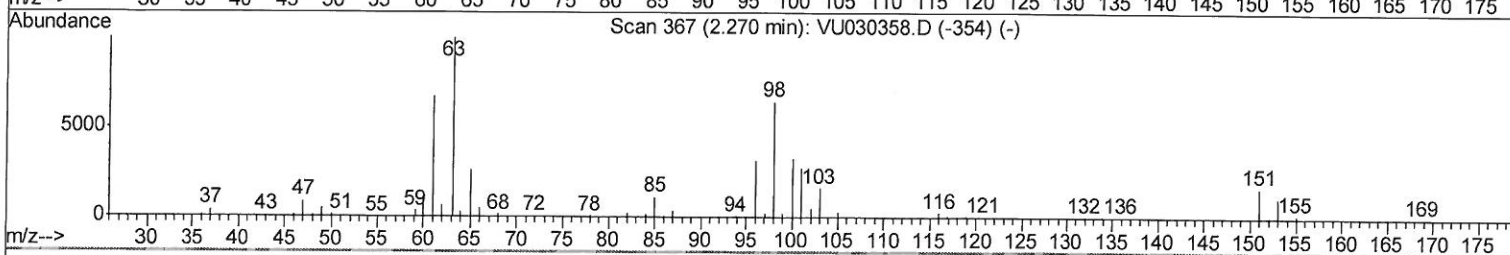
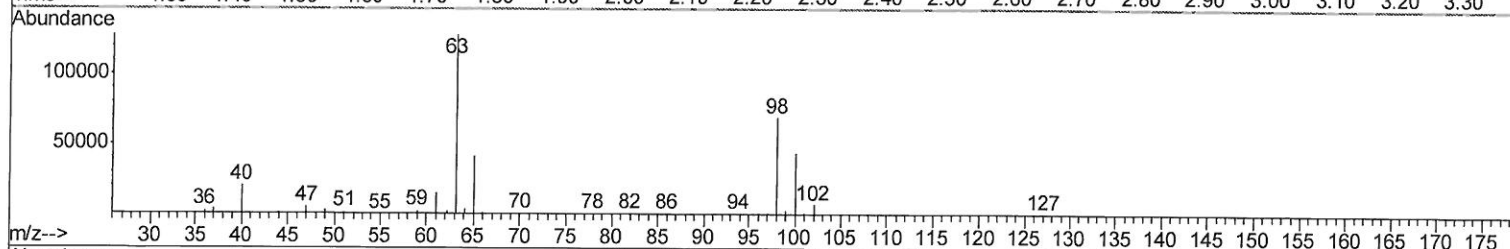
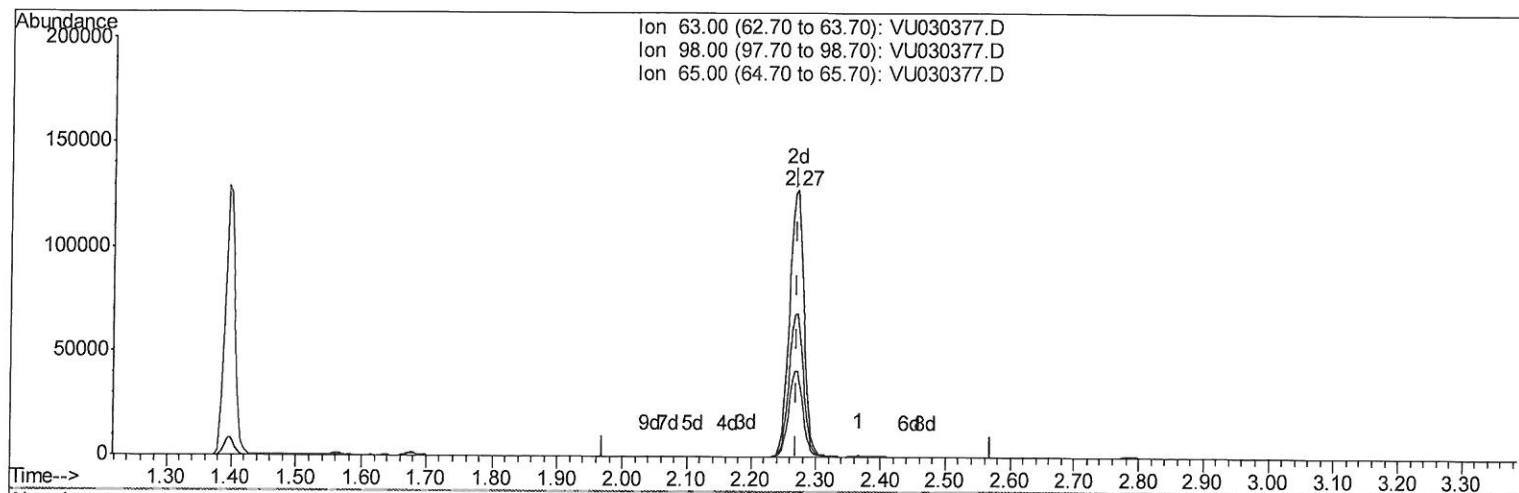
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TIC: VU030377.D

(11) 1,1-Dichloroethene-d2 (S)

2.270min (+0.000) 29.57ug/L m

response 195609

Ion	Exp%	Act%
63.00	100	100
98.00	68.80	0.23#
65.00	23.30	0.11#
0.00	0.00	0.00

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

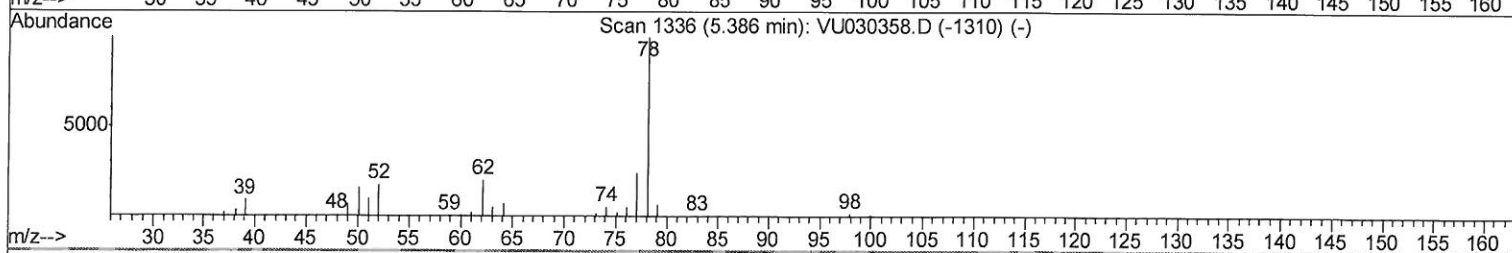
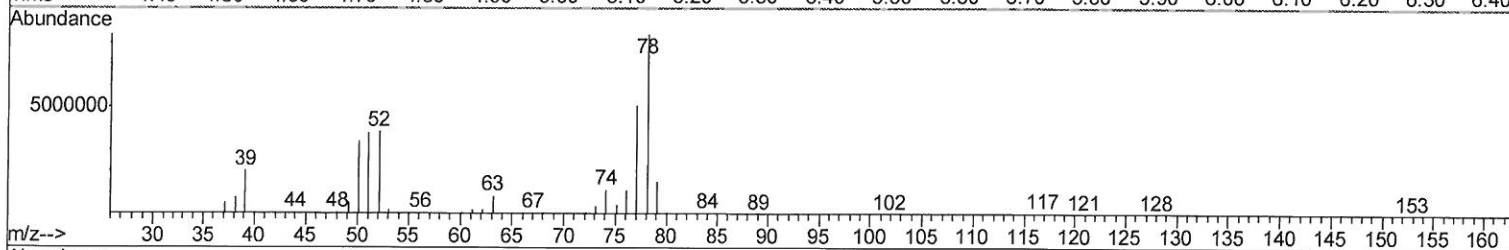
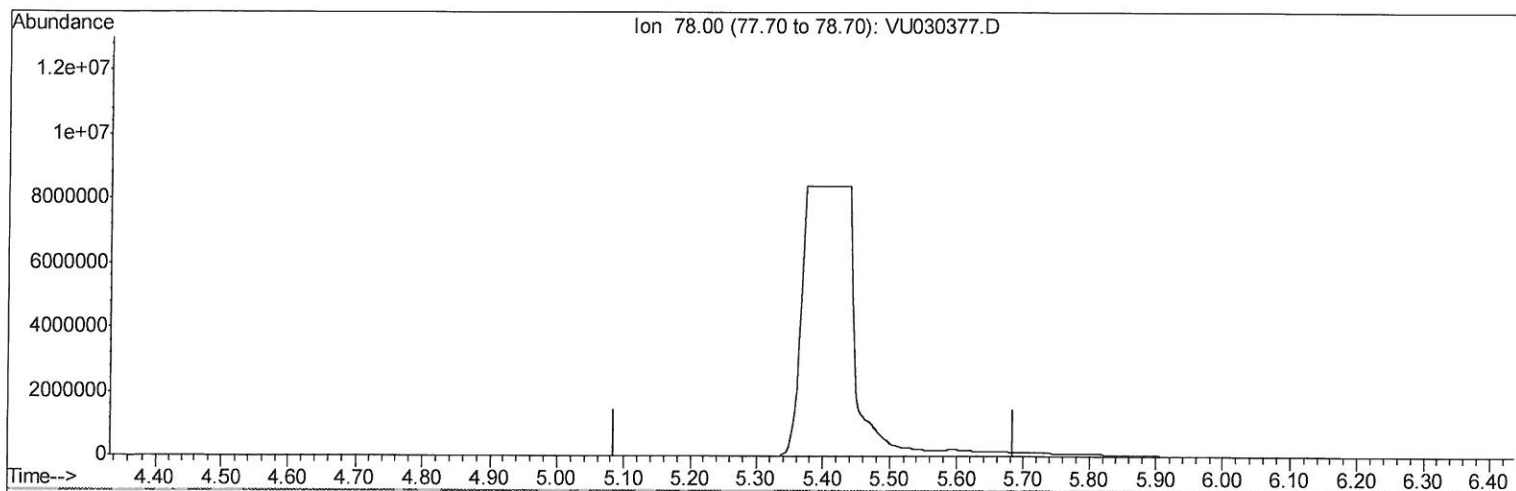
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TIC: VU030377.D

(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

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Quantitation Report (Qedit)

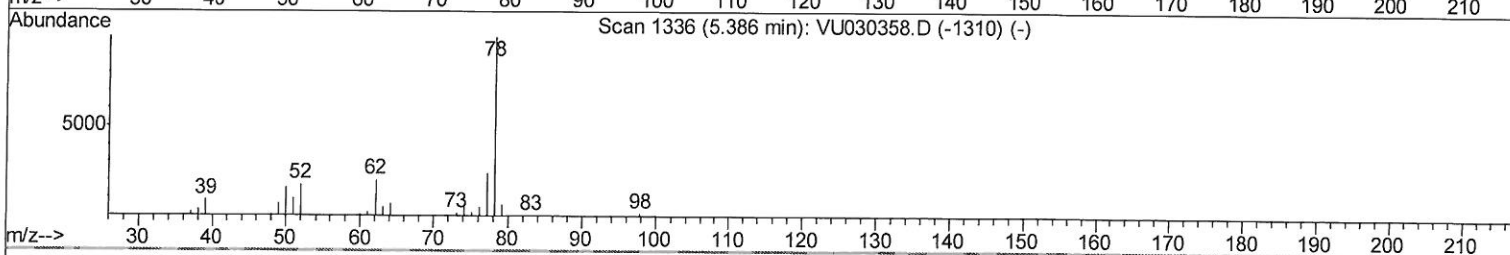
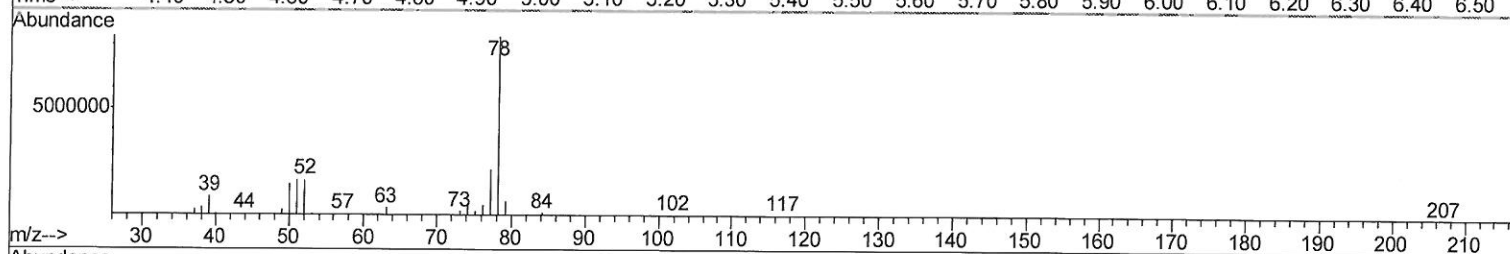
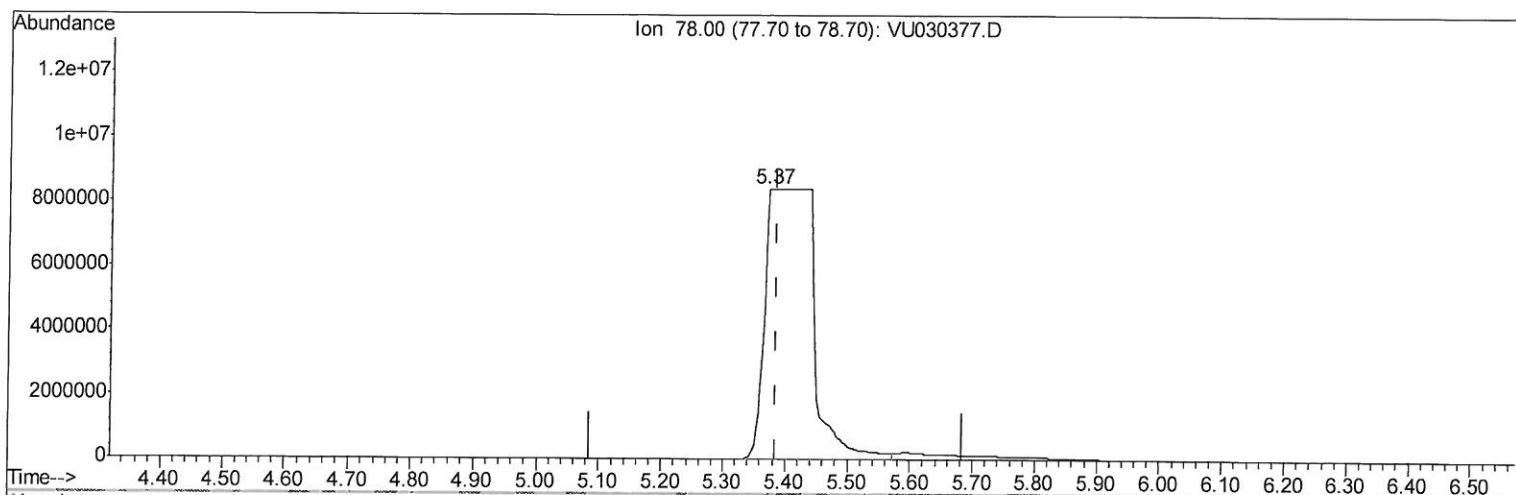
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TIC: VU030377.D

(33) Benzene (T)

5.373min (-0.013) 2769.44ug/L m

response 44991033

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

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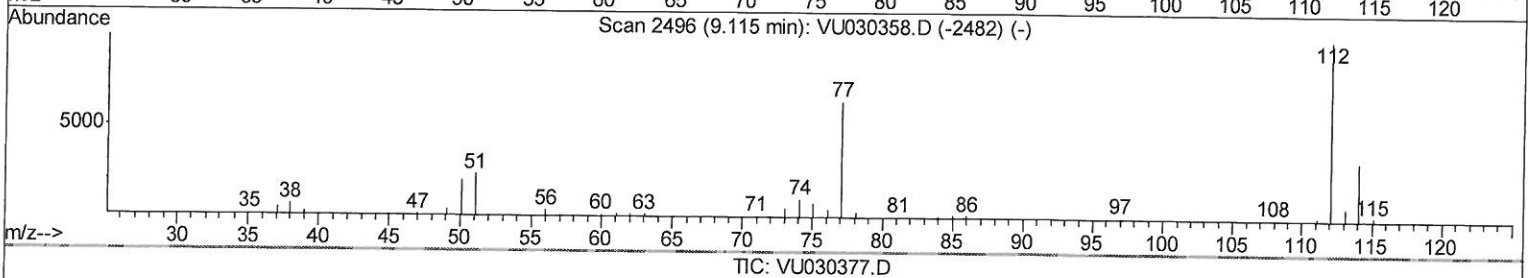
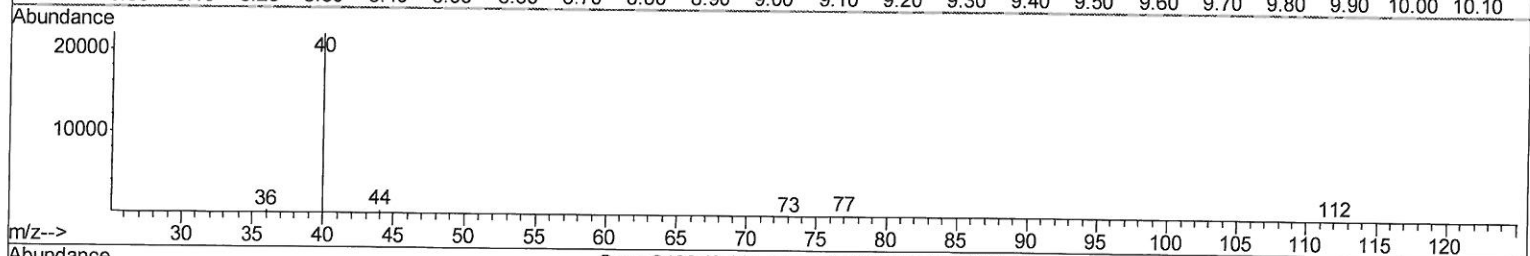
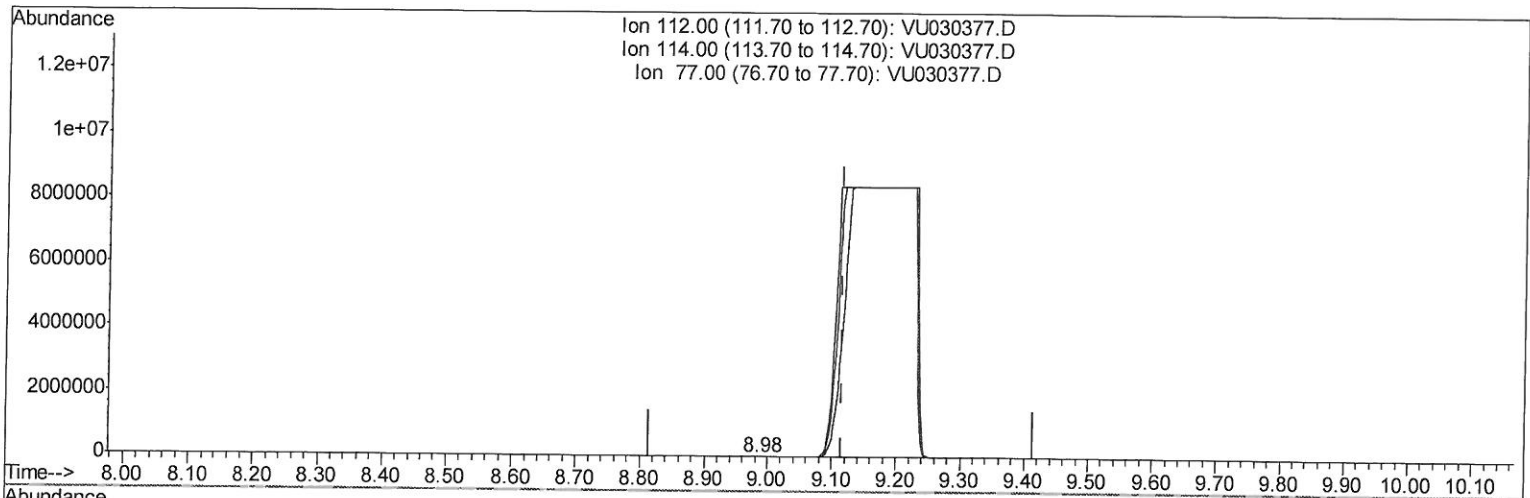
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(51) Chlorobenzene (T)

8.984min (-0.132) 0.01ug/L

response 107

Ion	Exp%	Act%
112.00	100	100
114.00	30.70	0.00#
77.00	64.20	112.35#
0.00	0.00	0.00

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Quantitation Report (Qedit)

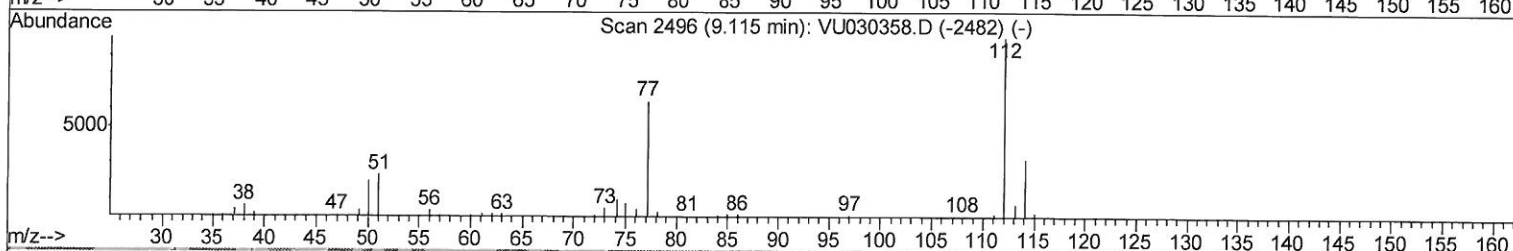
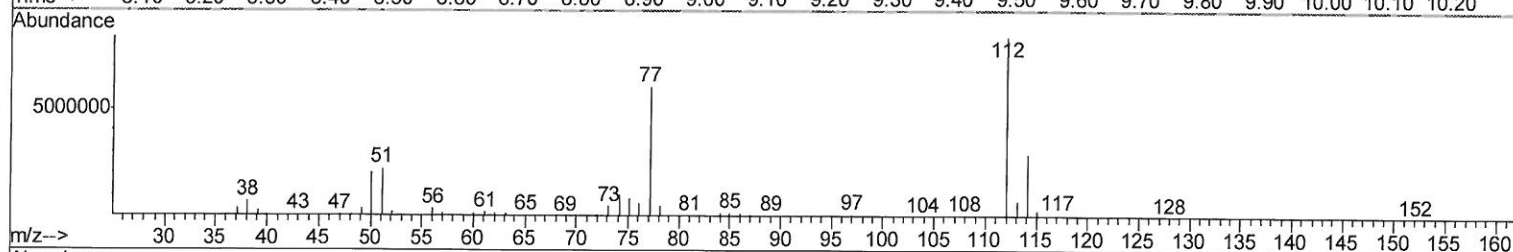
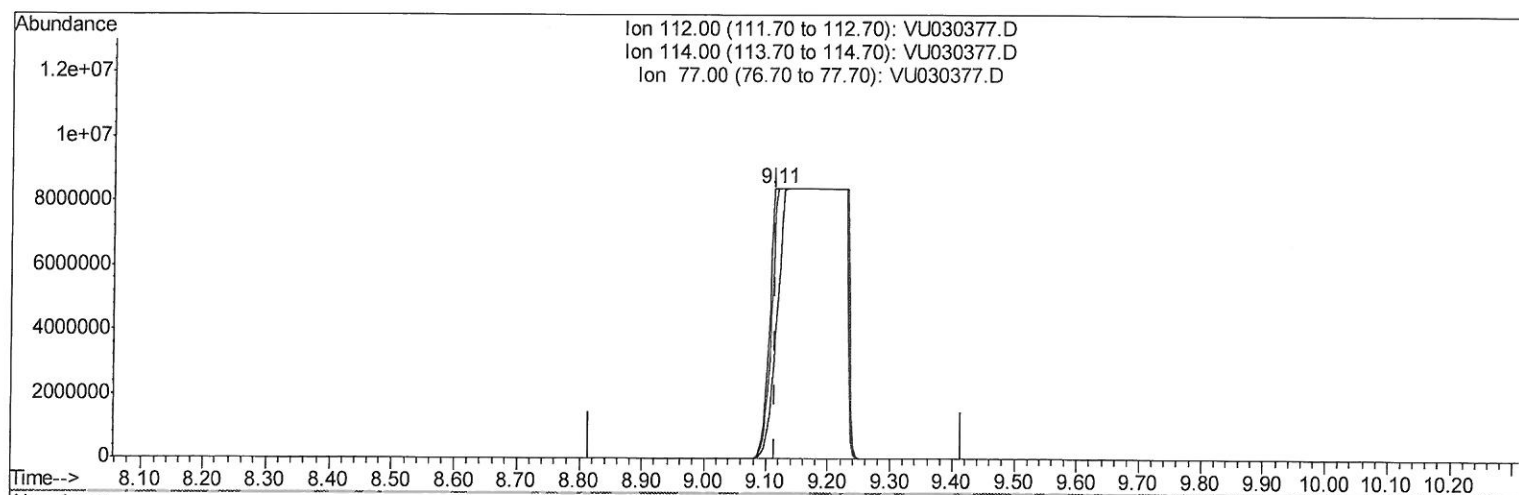
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(51) Chlorobenzene (T)

9.112min (-0.003) 6492.08ug/L m

response 66337859

Ion	Exp%	Act%
112.00	100	100
114.00	30.70	34.38
77.00	64.20	72.00
0.00	0.00	0.00

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Quantitation Report (Qedit)

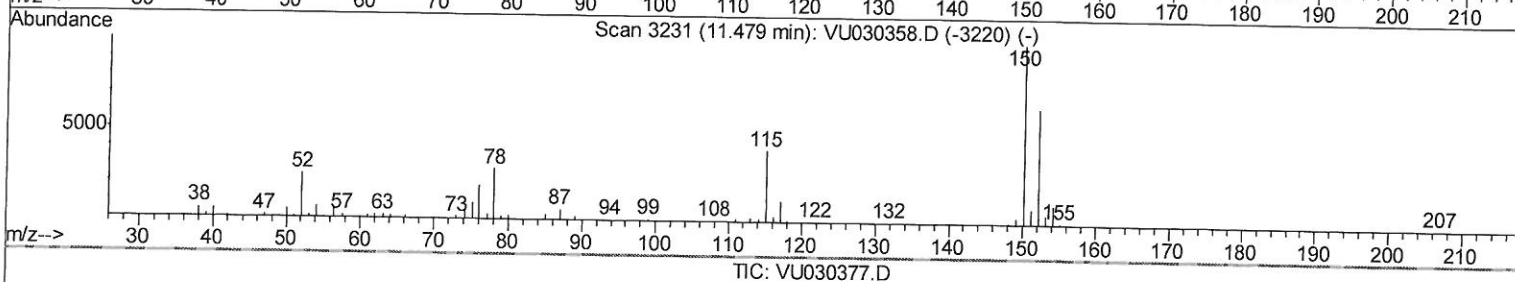
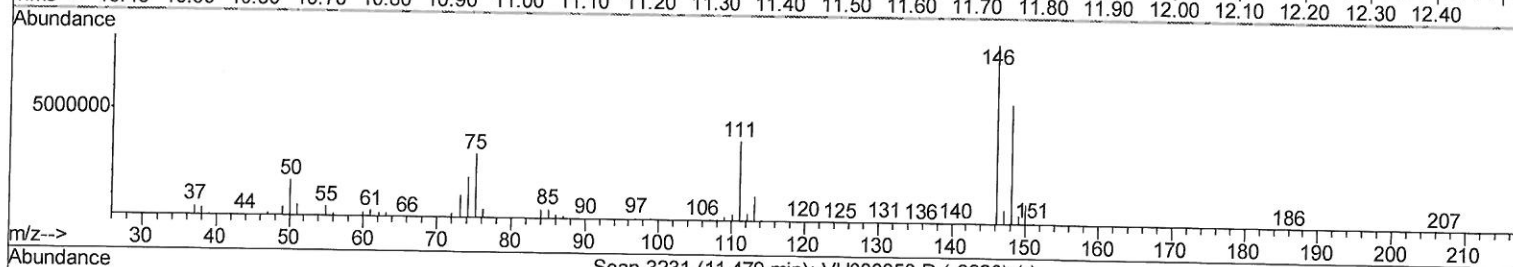
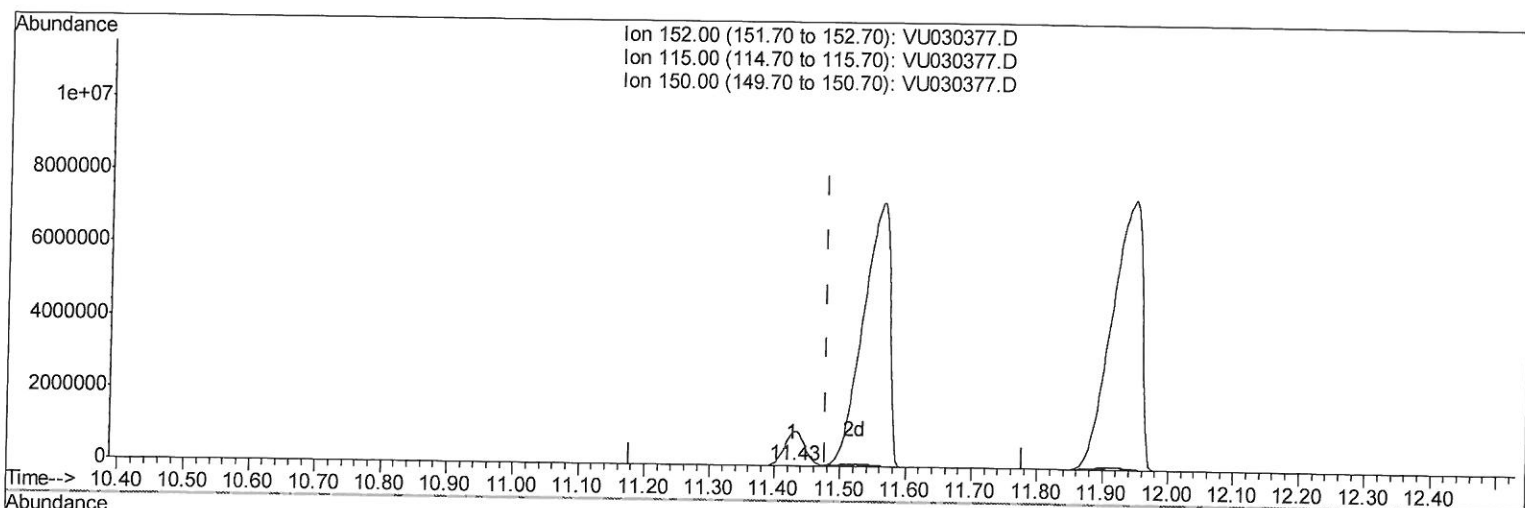
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(60) 1,4-Dichlorobenzene-d4 (I)

11.427min (-0.051) 50.00ug/L

response 4028

Ion	Exp%	Act%
152.00	100	100
115.00	62.00	124.16#
150.00	175.30	51337.12#
0.00	0.00	0.00

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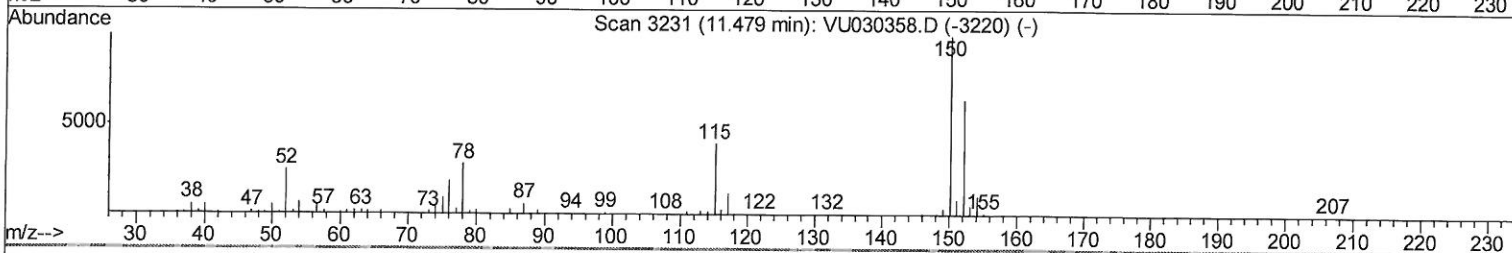
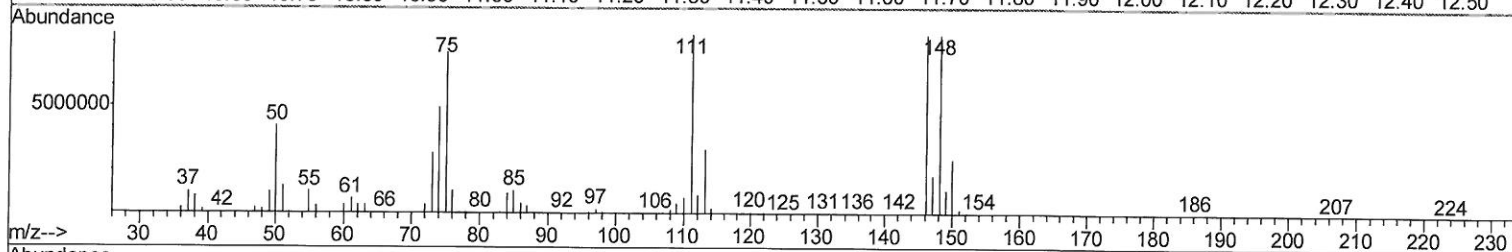
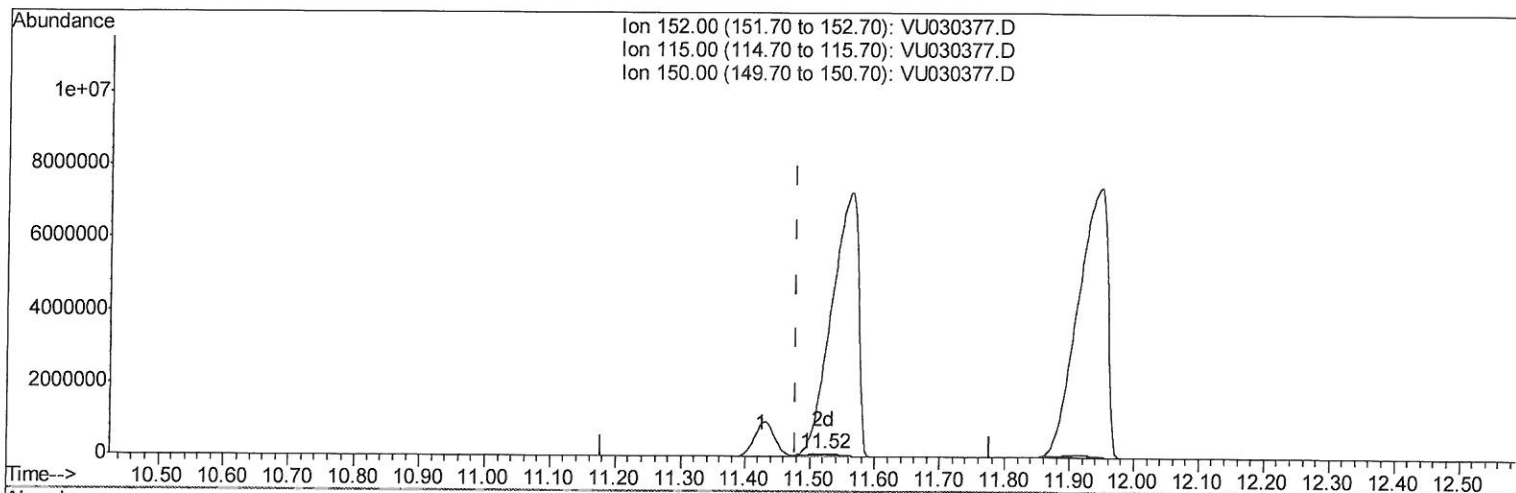
Data File : VU030377.D
Acq On : 24 Mar 2019 17:48
Operator : JC/SP
Sample : K2016-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0988

Manual Integrations
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TIC: VU030377.D

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

11.520min (+0.042) 50.00ug/L m

response 289769

Ion	Exp%	Act%
152.00	100	100
115.00	62.00	1.73
150.00	175.30	713.62#
0.00	0.00	0.00

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
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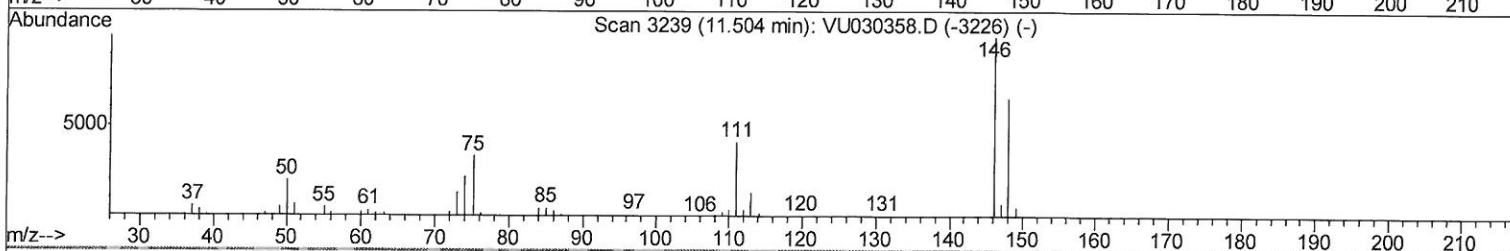
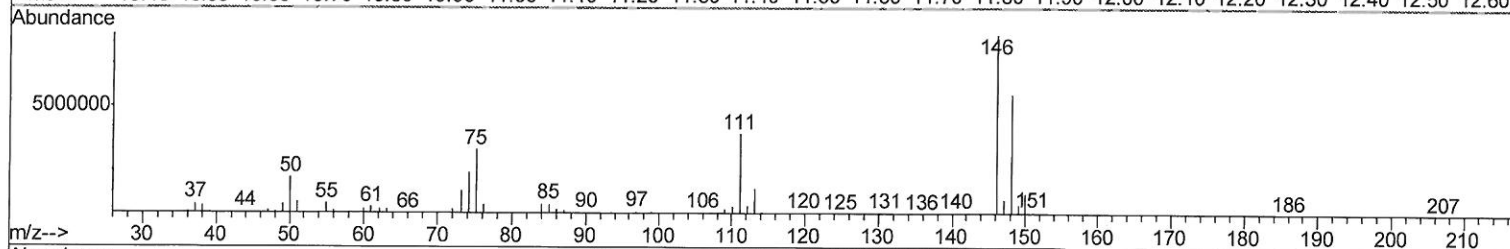
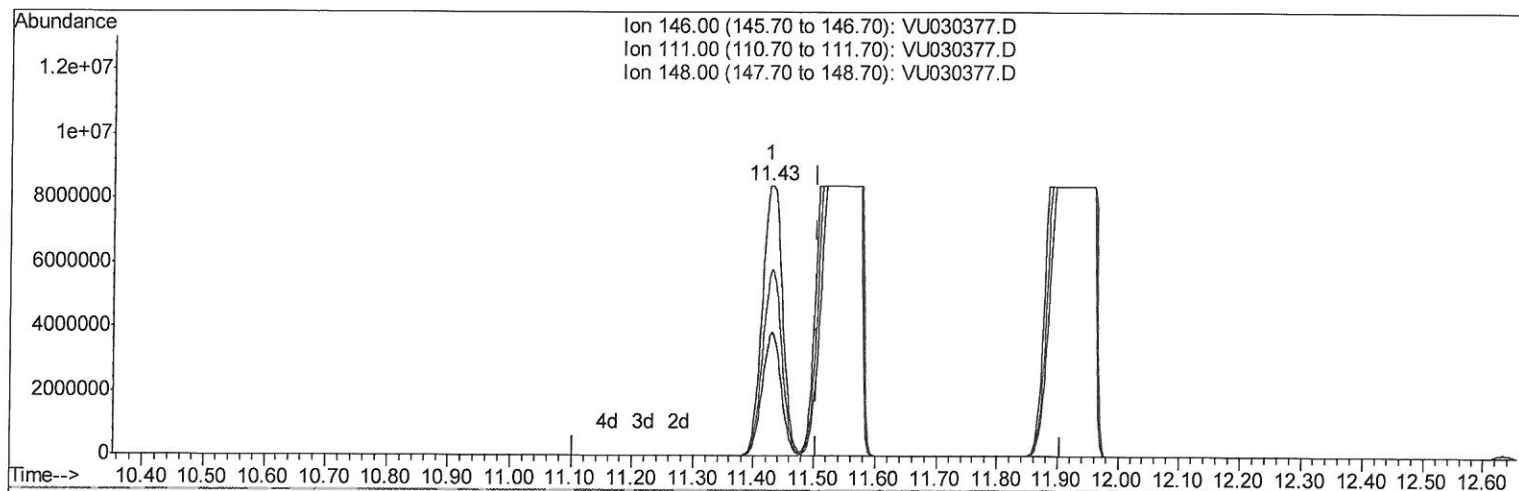
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Operator : JC/SP
Sample : K2016-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations
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Quant Time: Mar 25 05:09:48 2019
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TIC: VU030377.D

(63) 1,4-Dichlorobenzene (T)

11.427min (-0.077) 1982.76ug/L

response 19342842

Ion	Exp%	Act%
146.00	100	100
111.00	41.00	44.42
148.00	63.30	66.50
0.00	0.00	0.00

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

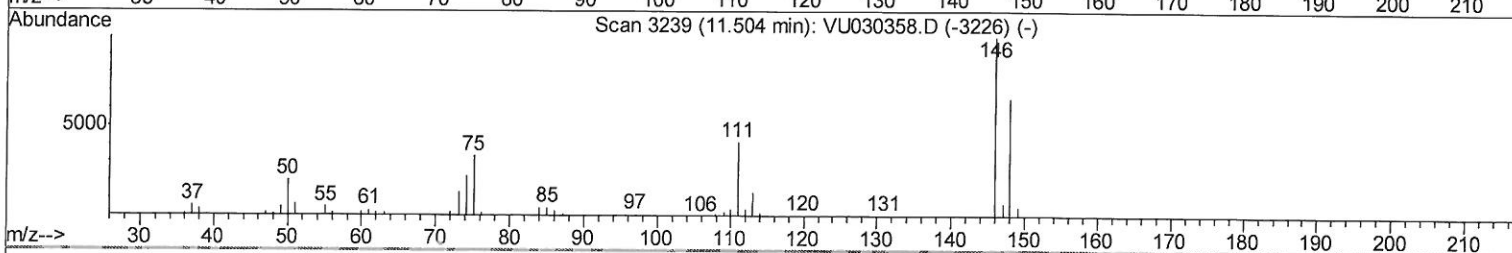
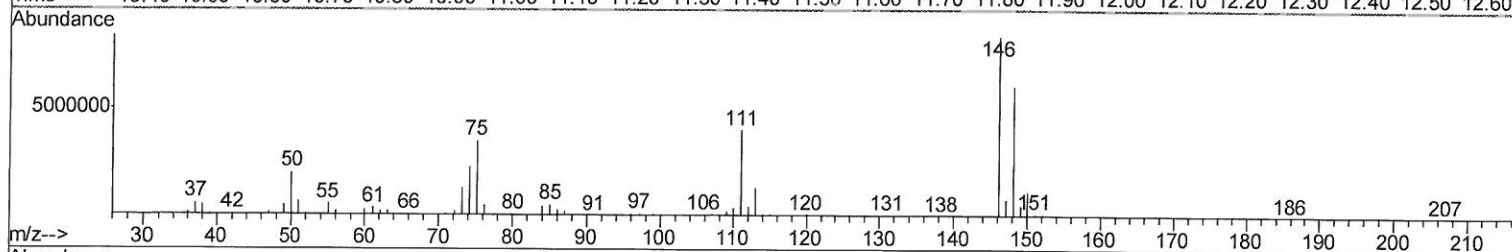
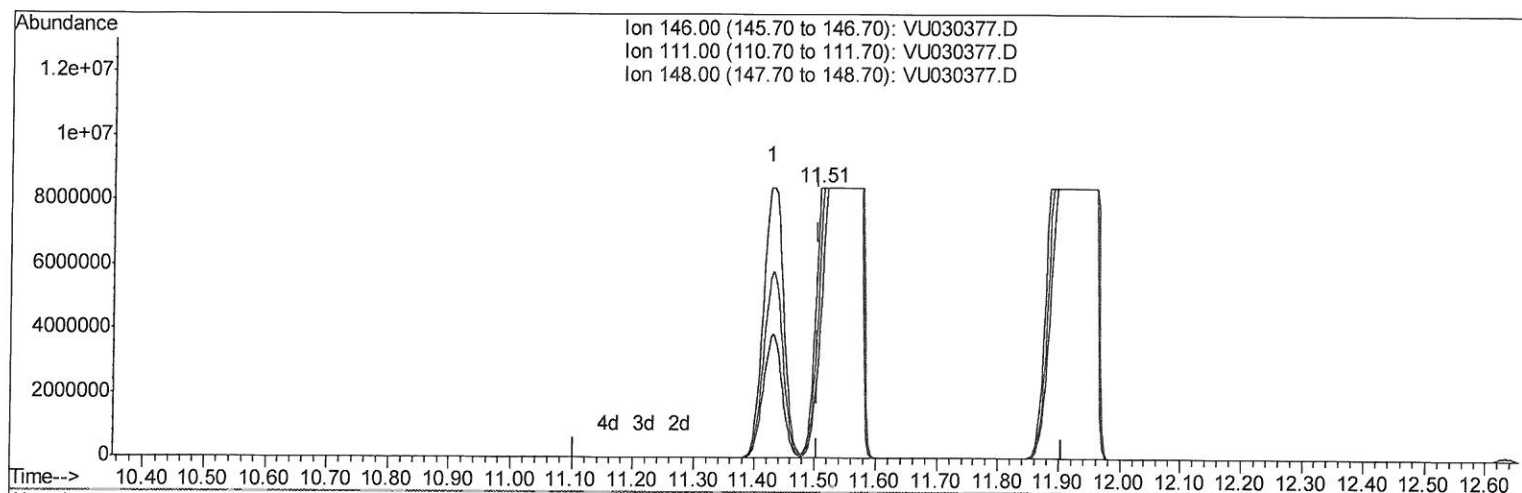
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TIC: VU030377.D

(63) 1,4-Dichlorobenzene (T)

11.508min (+0.003) 4346.44ug/L m

response 42401799

Ion	Exp%	Act%
146.00	100	100
111.00	41.00	47.95
148.00	63.30	71.84
0.00	0.00	0.00

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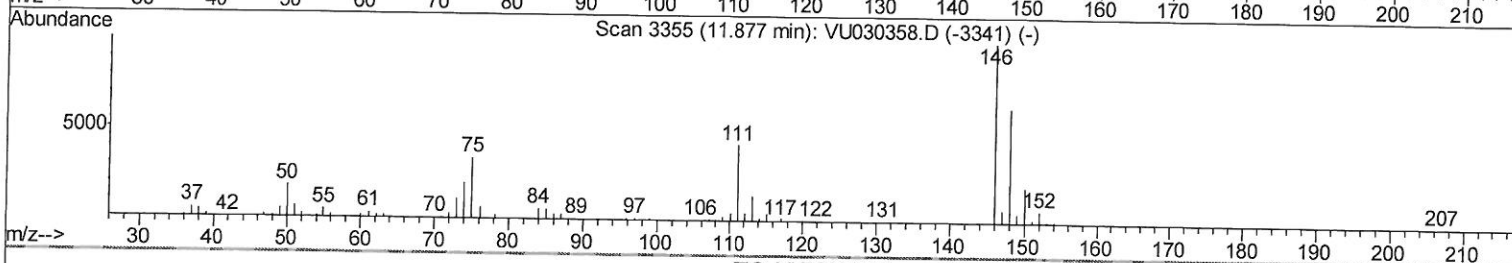
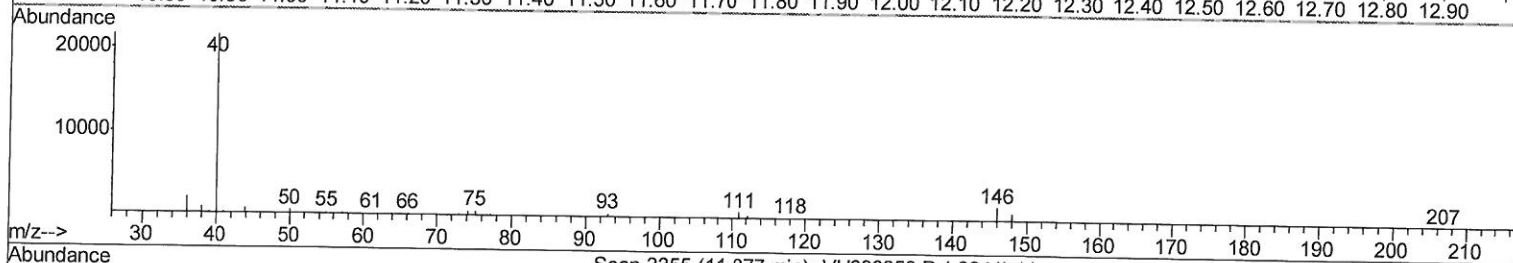
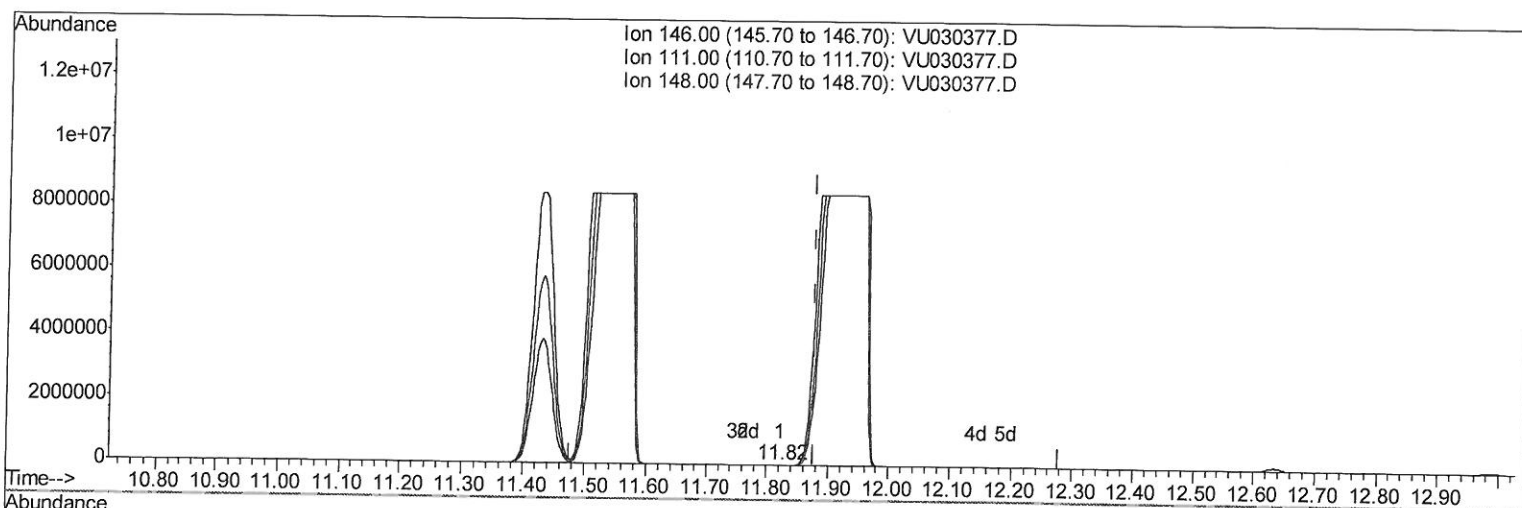
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Instrument :
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ClientSampled :
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TIC: VU030377.D

(65) 1,2-Dichlorobenzene (T)

11.823min (-0.055) 0.04ug/L

response 375

Ion	Exp%	Act%
146.00	100	100
111.00	43.60	45.80
148.00	64.00	56.86
0.00	0.00	0.00

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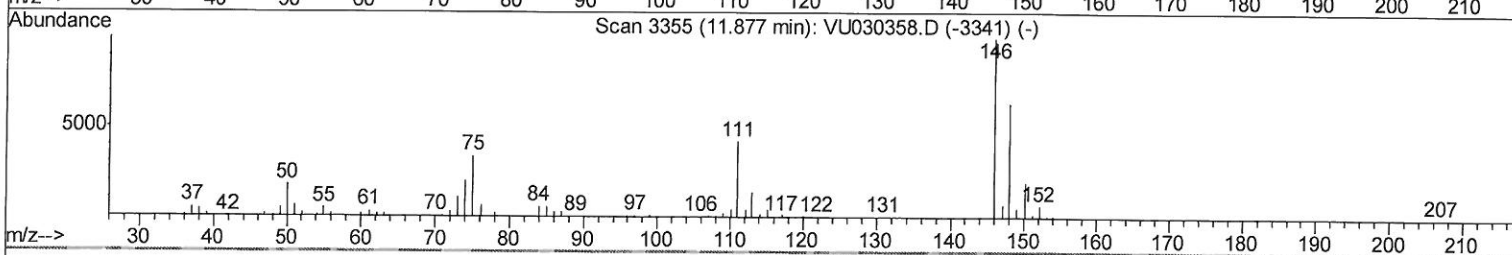
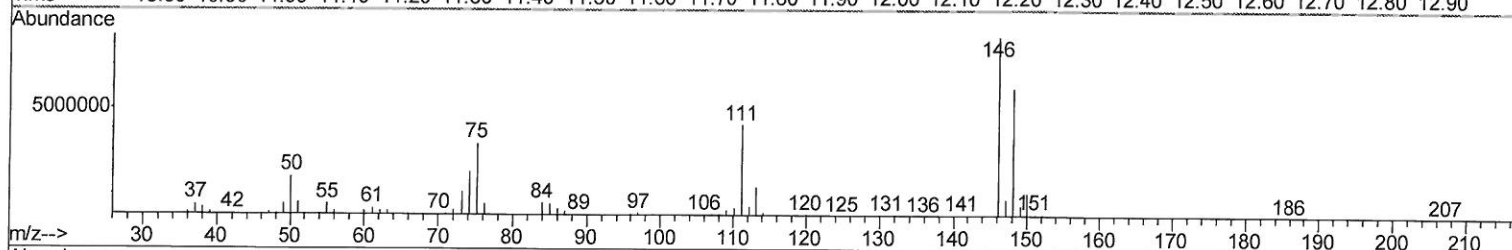
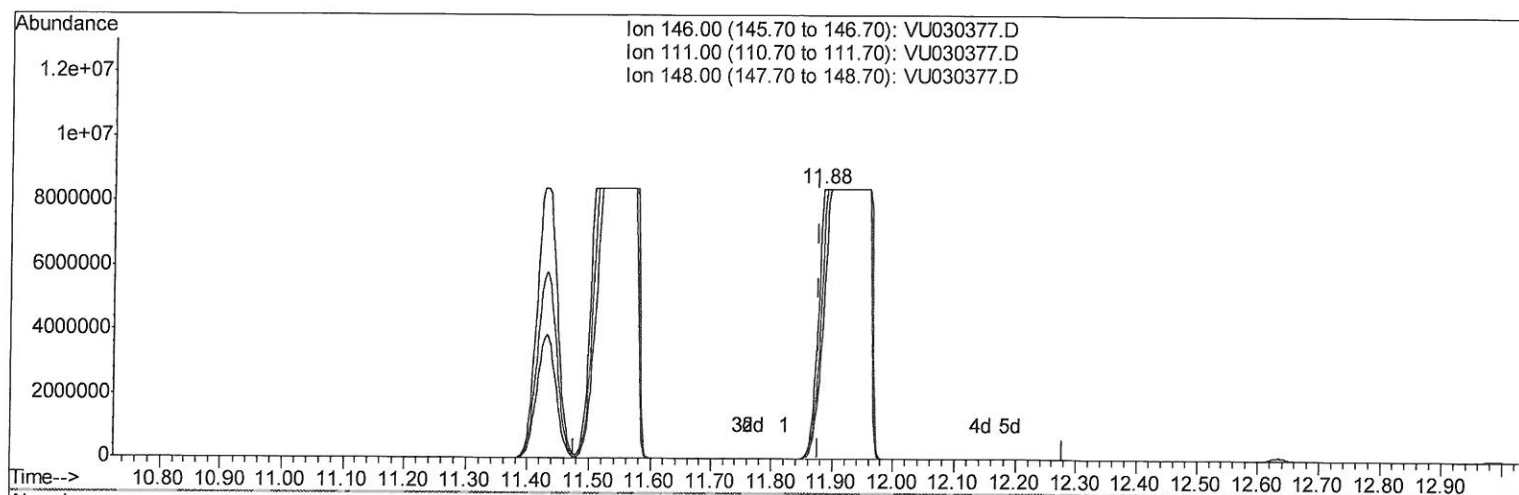
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TIC: VU030377.D

(65) 1,2-Dichlorobenzene (T)

11.884min (+0.007) 4893.12ug/L m

response 46885689

Ion	Exp%	Act%
146.00	100	100
111.00	43.60	50.44
148.00	64.00	70.99
0.00	0.00	0.00

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3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
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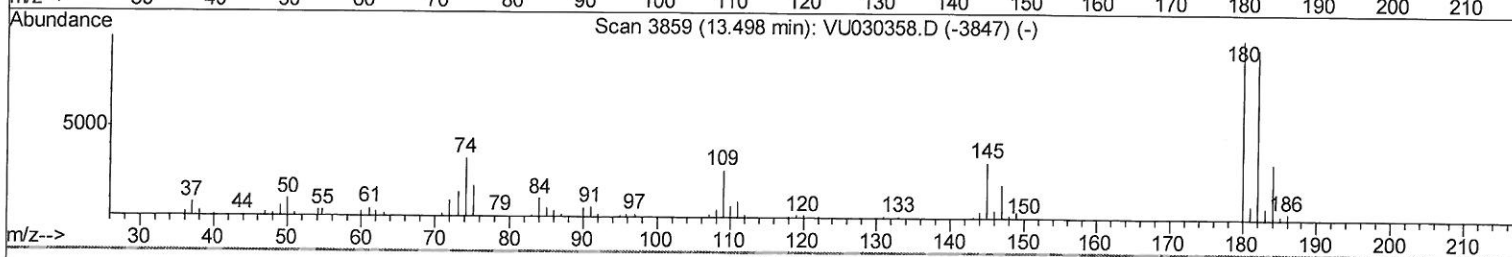
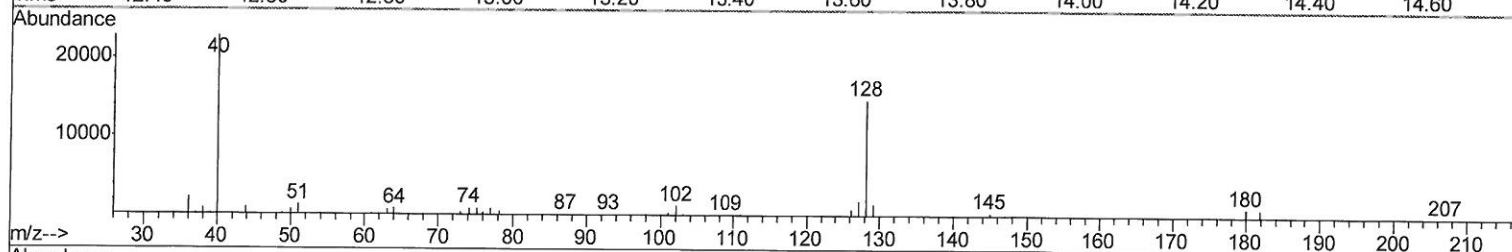
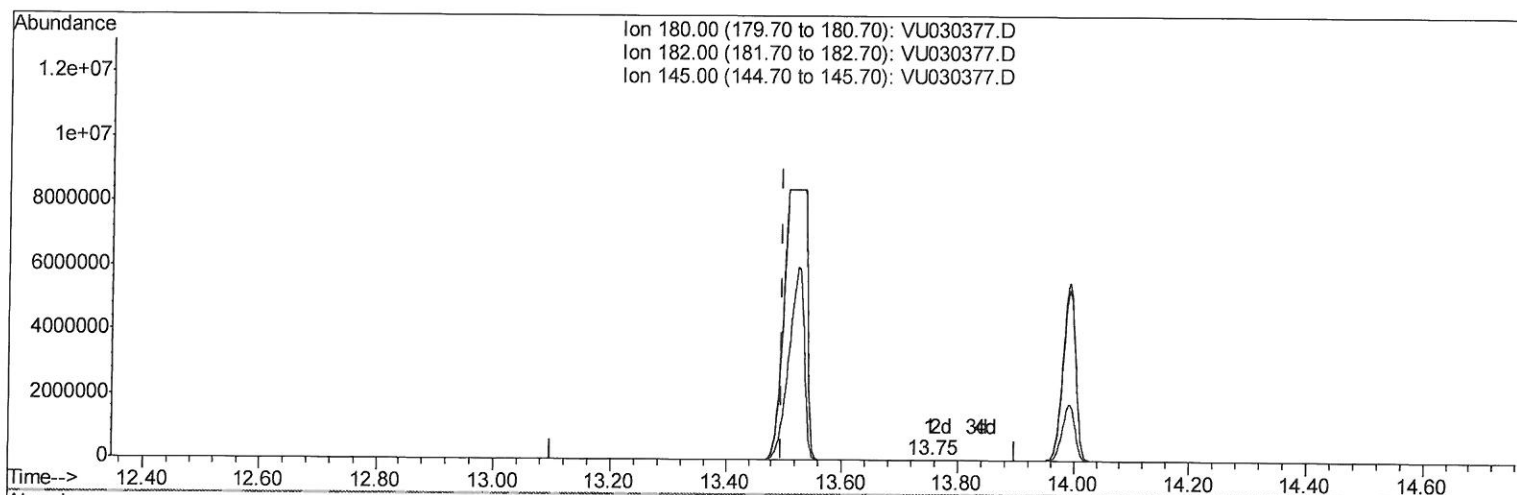
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TIC: VU030377.D

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

13.752min (+0.254) 0.03ug/L

response 211

Ion	Exp%	Act%
180.00	100	100
182.00	95.10	147.87#
145.00	30.60	74.88#
0.00	0.00	0.00

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

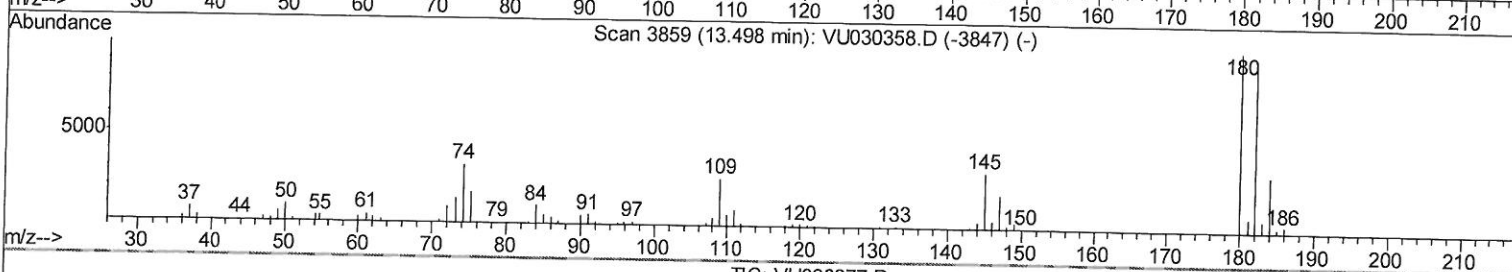
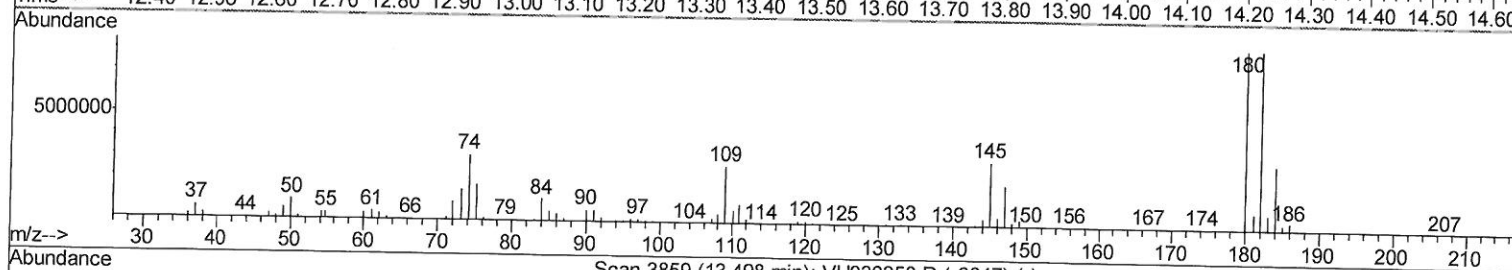
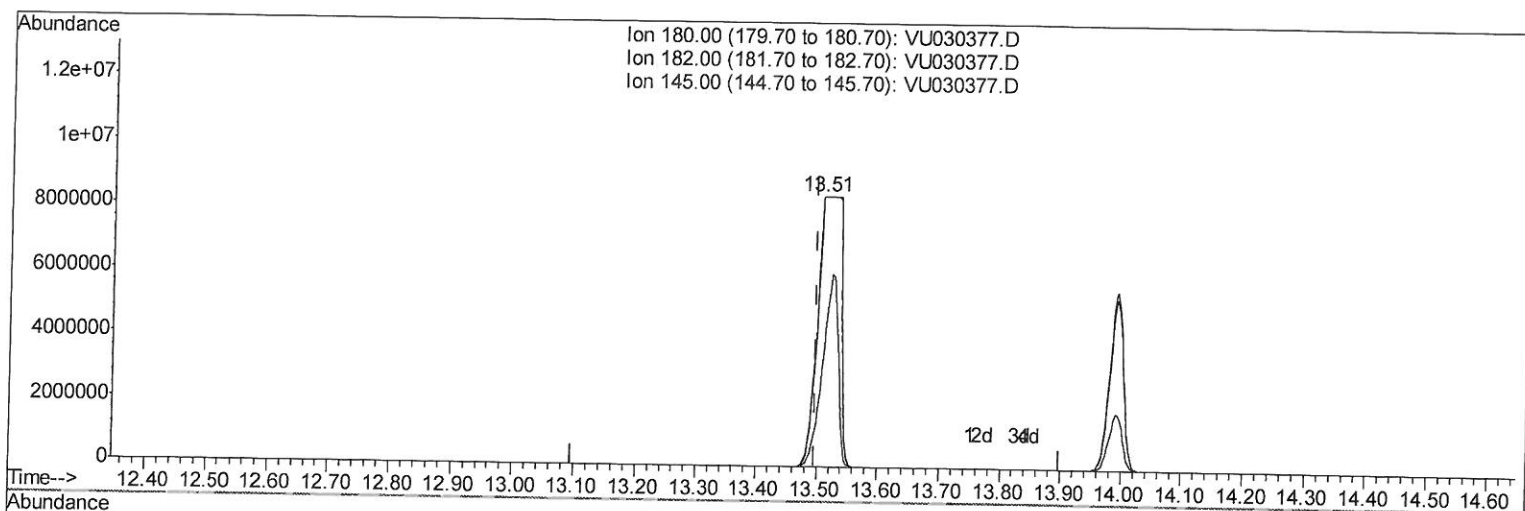
Data File : VU030377.D
Acq On : 24 Mar 2019 17:48
Operator : JC/SP
Sample : K2016-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0988

Manual Integrations
APPROVED

MMDadoda
3/25/2019 12:36:13 PM

Quant Time: Mar 25 05:09:48 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: VU030377.D

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

13.508min (+0.010) 3689.49ug/L m

response 22741721

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

7ME
3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030377.D
 Acq On : 24 Mar 2019 17:48
 Operator : JC/SP
 Sample : K2016-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample ID :
 C0988

Quant Time: Mar 25 13:43:39 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

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:36:13 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	433332	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.15	117	477234	50.00	ug/L	0.07
60) 1,4-Dichlorobenzene-d4	11.52	152	289769m)	50.00	ug/L	0.04

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	131076	37.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.18%
7) Chloroethane-d5	1.68	69	108824	39.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.74%
11) 1,1-Dichloroethene-d2	2.27	63	195609m)	29.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.14%#
21) 2-Butanone-d5	4.17	46	292808	89.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.32%
24) Chloroform-d	4.65	84	358464	59.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.32%
26) 1,2-Dichloroethane-d4	5.31	65	179227	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
32) Benzene-d6	5.35	84	555389	40.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.16%
36) 1,2-Dichloropropane-d6	6.33	67	196720	42.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.02%
41) Toluene-d8	7.56	98	504633	41.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.12%
43) trans-1,3-Dichloropropene-	7.85	79	82717	37.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.14%
47) 2-Hexanone-d5	8.32	63	205858	81.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	285170	42.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.12%
64) 1,2-Dichlorobenzene-d4	11.92	152	282855	48.72	ug/L	0.06
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%

Target Compounds

					Ovalue
13) Acetone	2.32	43	143647	43.328	ug/L 100
16) Methylene chloride	2.70	84	5990	1.639	ug/L 86
25) Chloroform	4.67	83	2406025	379.210	ug/L 100
29) Cyclohexane	4.99	56	67731	9.378	ug/L 99
31) Carbon tetrachloride	5.13	117	738163	149.034	ug/L 98
33) Benzene	5.37	78	44991033m	2769.440	ug/L 96
34) Trichloroethene	6.19	95	9181	2.299	ug/L 75
35) Methylcyclohexane	6.41	83	22513	3.426	ug/L # 99
38) Bromodichloromethane	6.76	83	25020	4.567	ug/L 100
42) Toluene	7.64	91	56426	3.347	ug/L 91
46) Tetrachloroethene	8.23	164	7454	2.672	ug/L 99
49) Dibromochloromethane	8.48	129	6925	1.711	ug/L 96
51) Chlorobenzene	9.11	112	66337859m	6492.078	ug/L 96
62) 1,3-Dichlorobenzene	11.43	146	19342842	2041.196	ug/L 96
63) 1,4-Dichlorobenzene	11.51	146	42401799m	4346.437	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	46885689m	4893.117	ug/L 99
67) 1,3,5-Trichlorobenzene	12.89	180	19095	2.692	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\

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MSVOA_U
ClientSampleId :
C0988

Manual Integrations
APPROVED

MMDadoda
3/25/2019 12:36:13 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
68) 1,2,4-trichlorobenzene	13.51	180	22741721m	3689.489	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	8672317	1332.395	ug/L	99

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