

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

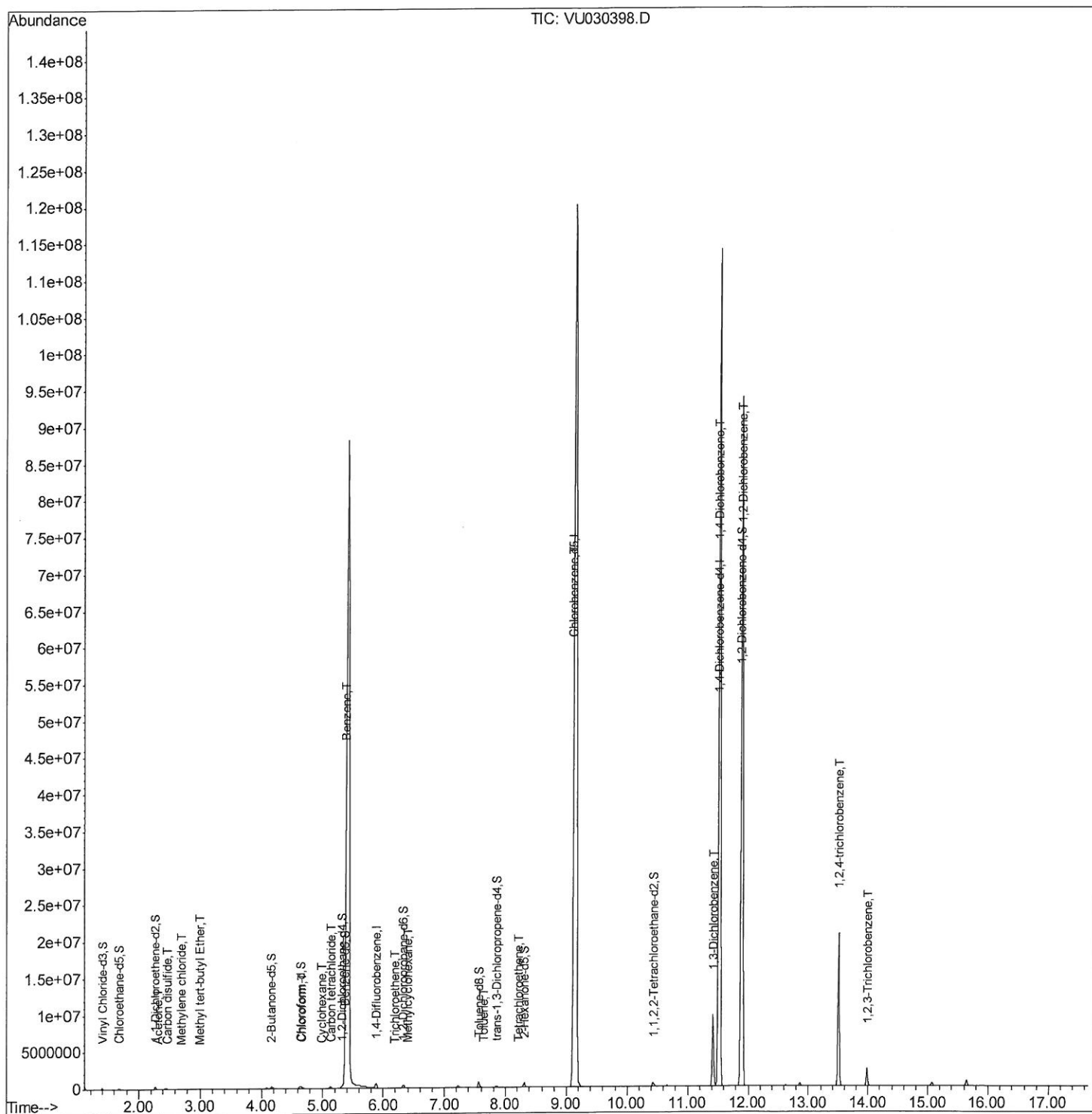
Data File : VU030398.D
Acq On : 25 Mar 2019 04:48
Operator : JC/SP
Sample : K2070-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D8

Manual Integrations
APPROVED

MMDadoda
3/25/2019 1:08:45 PM

Quant Time: Mar 25 07:24:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
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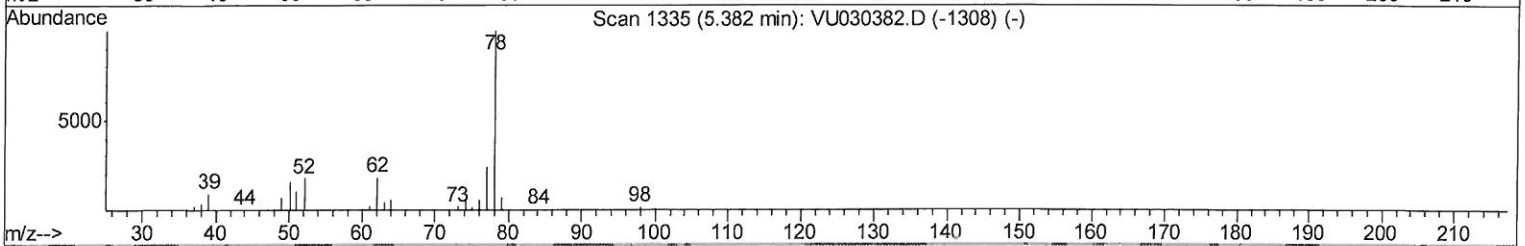
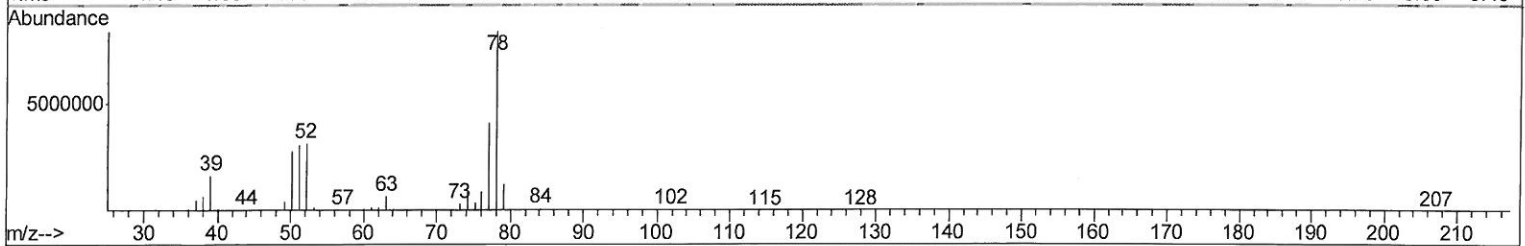
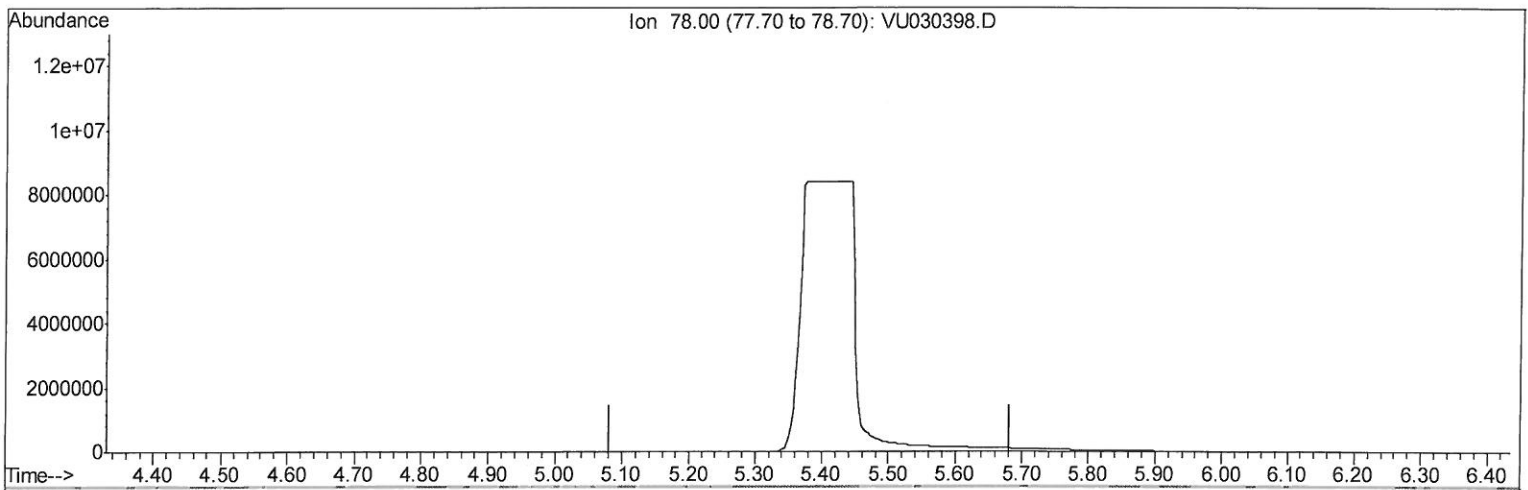
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TIC: VU030398.D

(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

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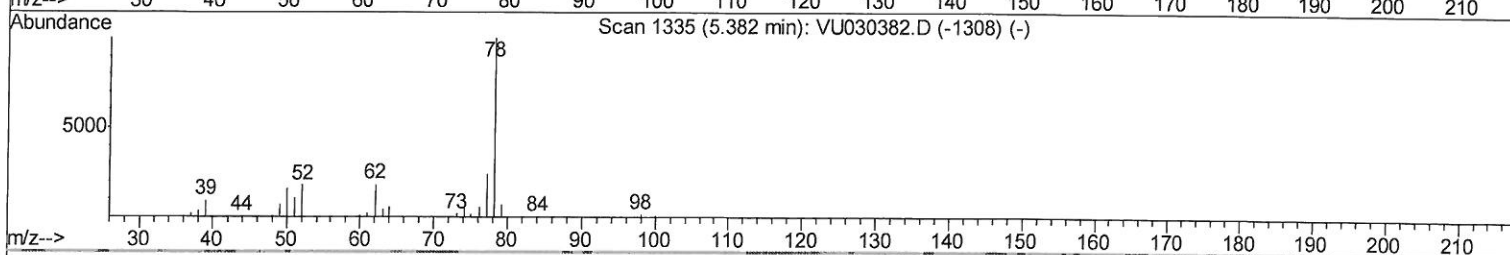
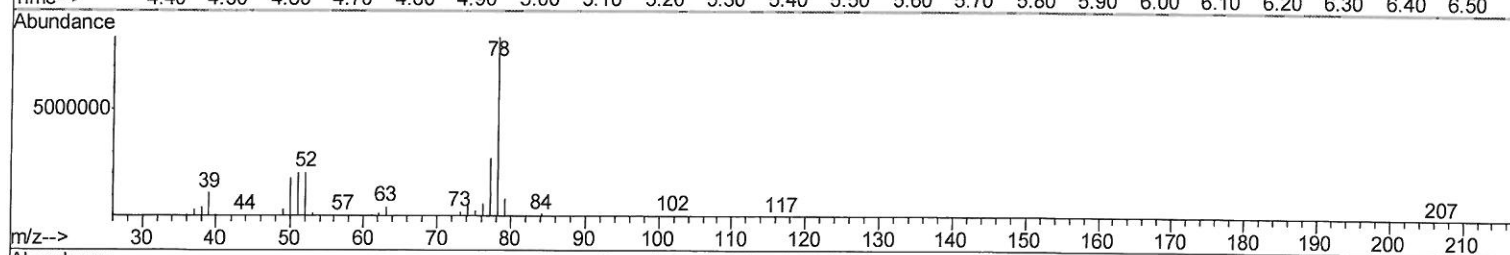
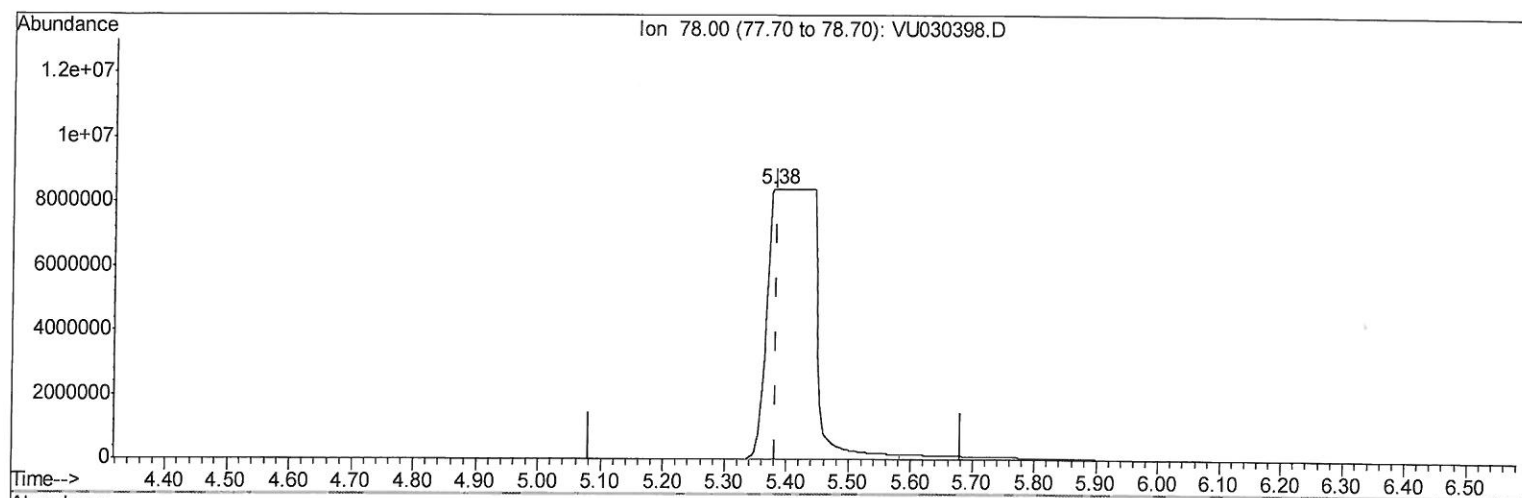
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TIC: VU030398.D

(33) Benzene (T)

5.376min (-0.006) 2958.80ug/L m

response 45347178

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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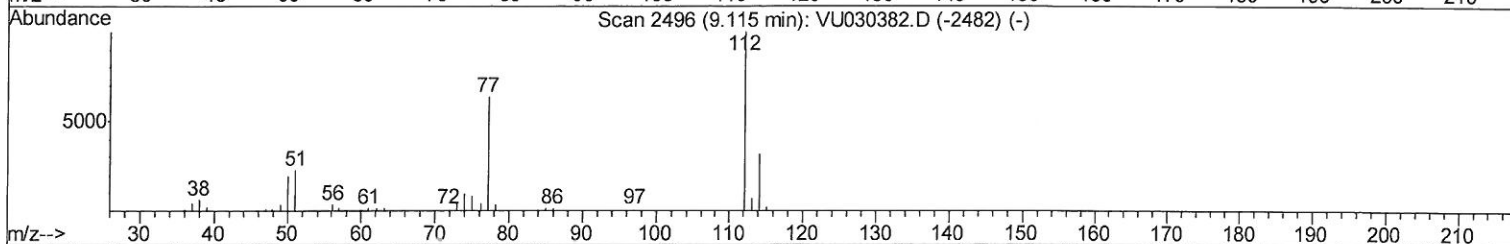
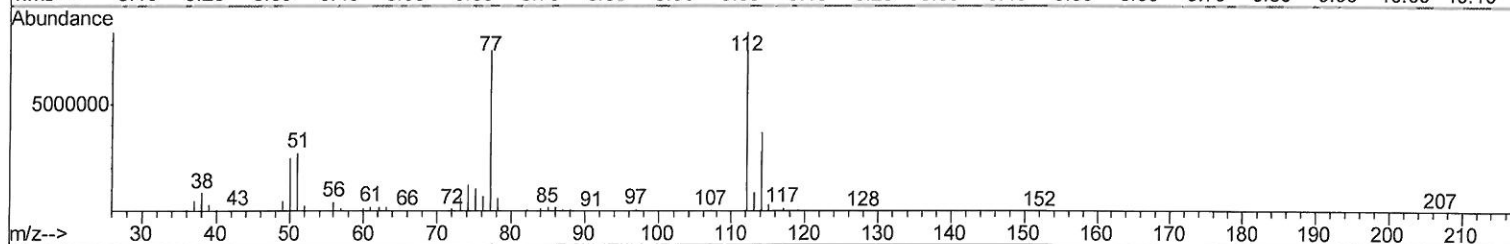
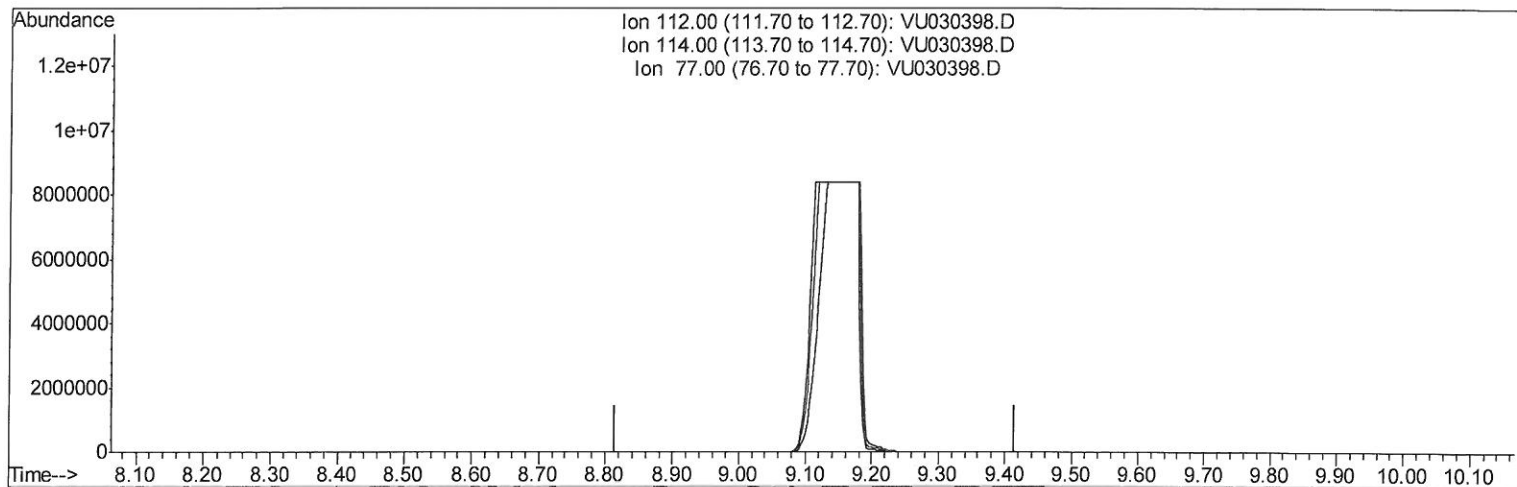
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TIC: VU030398.D

(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

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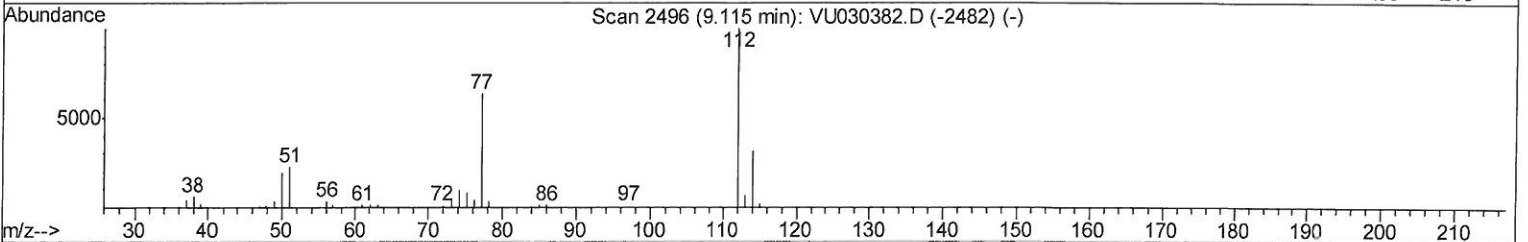
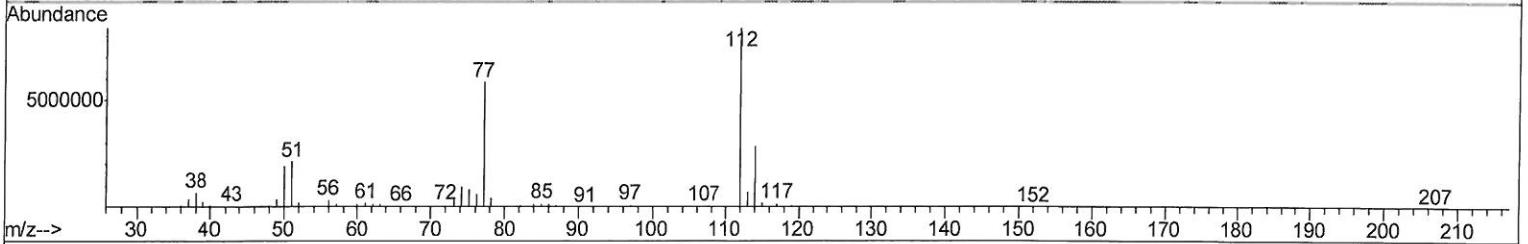
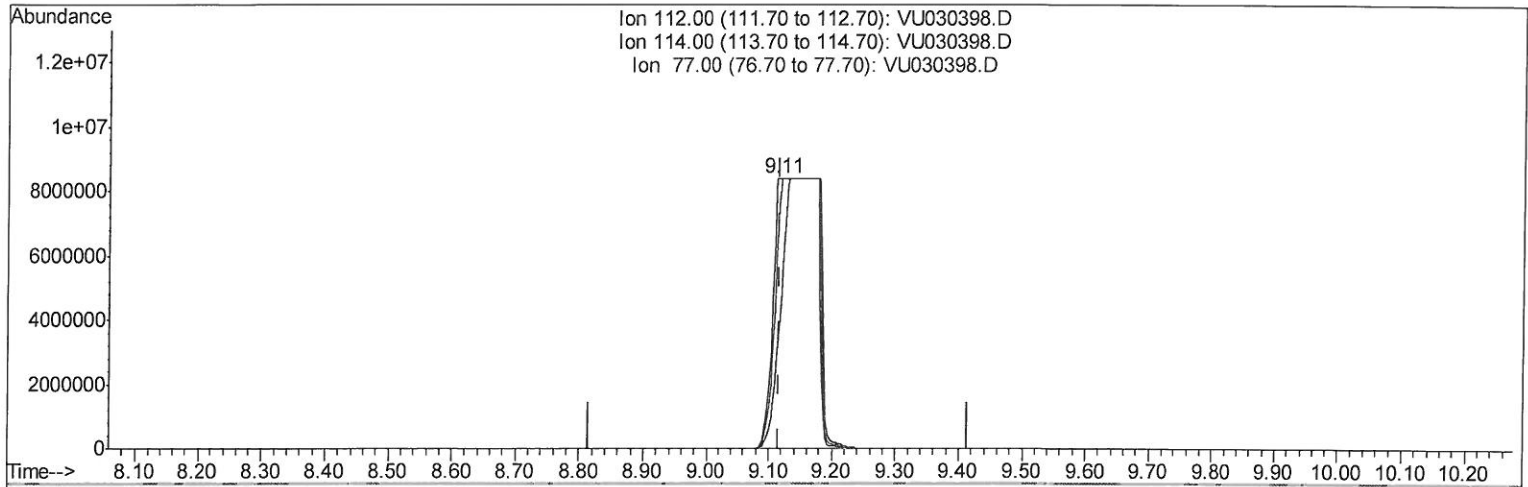
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TIC: VU030398.D

(51) Chlorobenzene (T)

9.112min (-0.003) 4271.15ug/L m

response 41174010

Ion	Exp%	Act%
112.00	100	100
114.00	30.70	33.54
77.00	64.20	69.66
0.00	0.00	0.00

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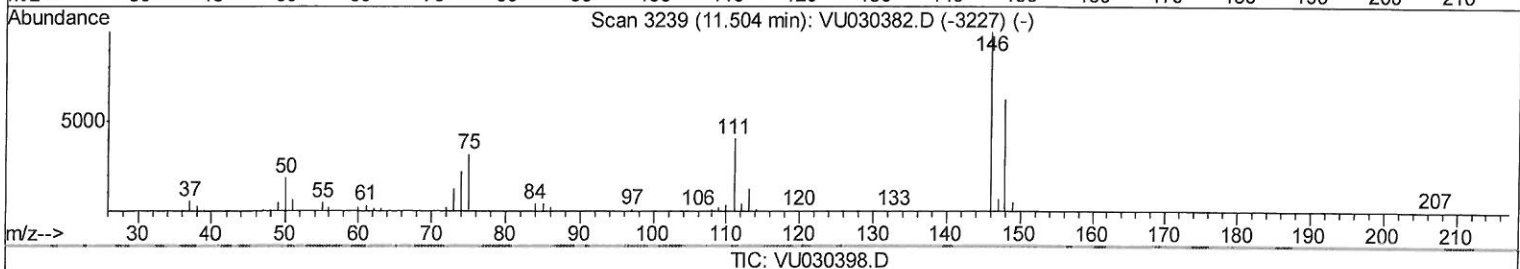
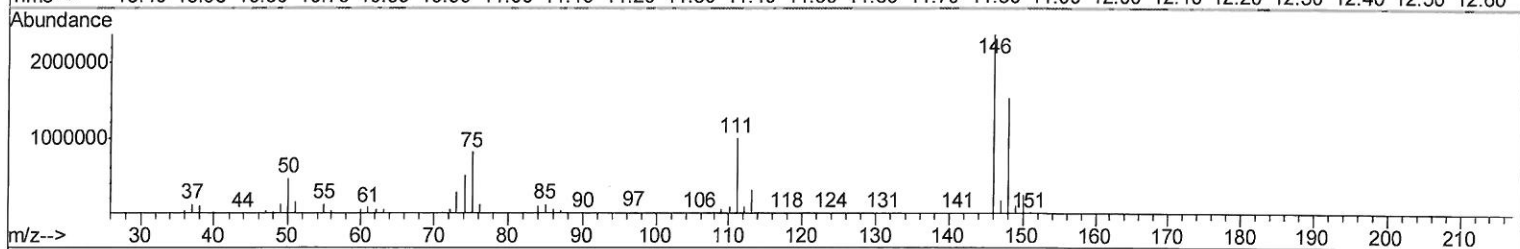
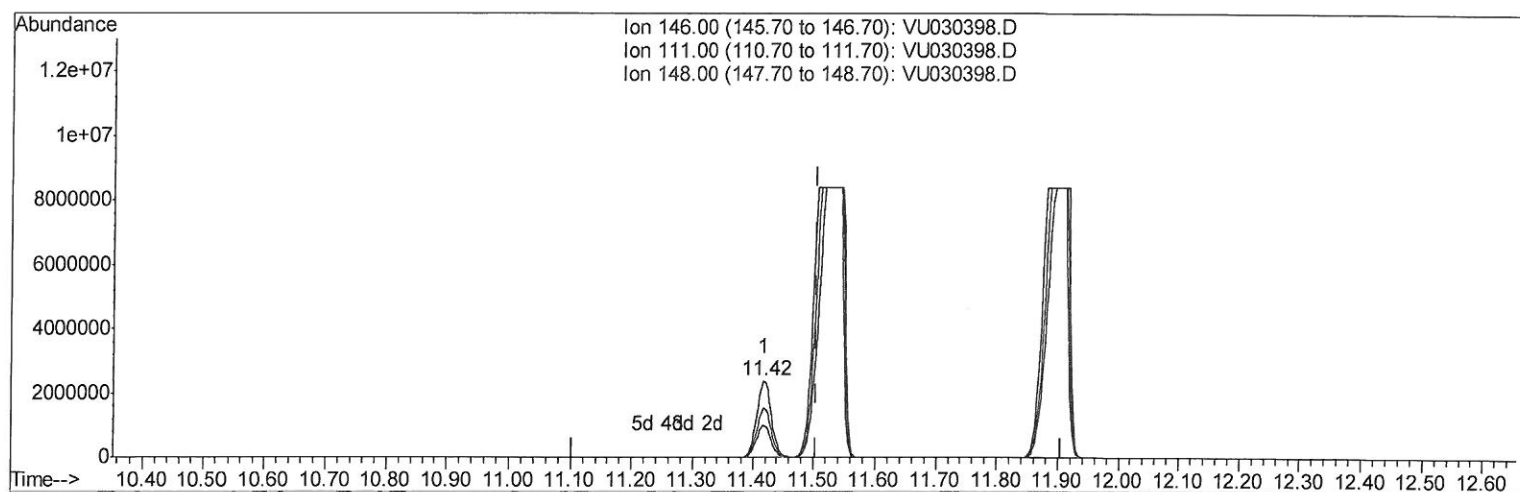
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(63) 1,4-Dichlorobenzene (T)

11.418min (-0.087) 479.54ug/L

response 3965879

Ion	Exp%	Act%
146.00	100	100
111.00	41.00	42.04
148.00	63.30	64.35
0.00	0.00	0.00

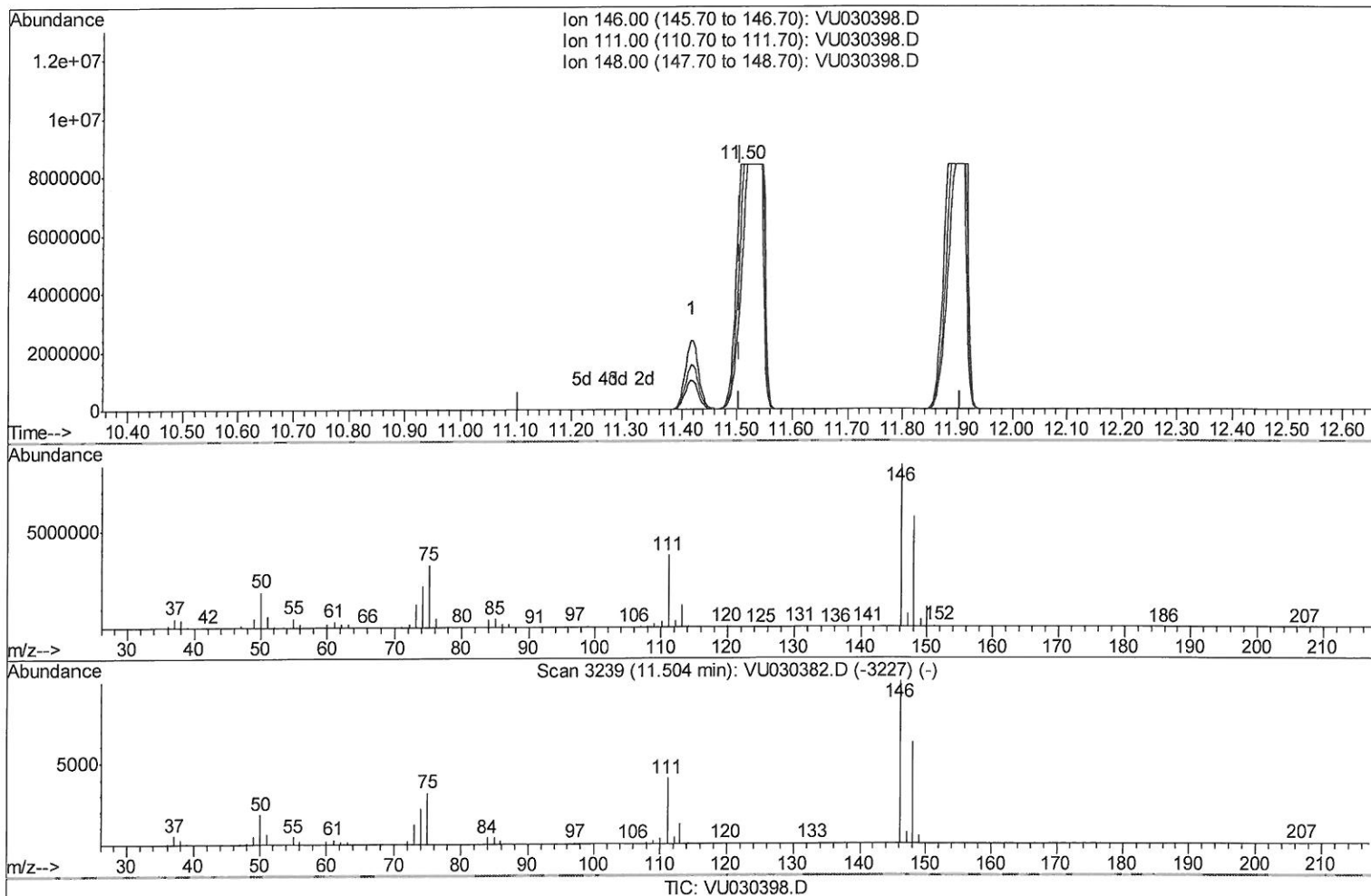
Instrument :
MSVOA_U
ClientSampleId :
C09D8

Manual Integrations
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(63) 1,4-Dichlorobenzene (T)

11.504min (+0.000) 3459.79ug/L m

response 28613271

Ion	Exp%	Act%
146.00	100	100
111.00	41.00	44.51
148.00	63.30	67.59
0.00	0.00	0.00

$$\frac{7 \text{ mO}}{3/27119}$$

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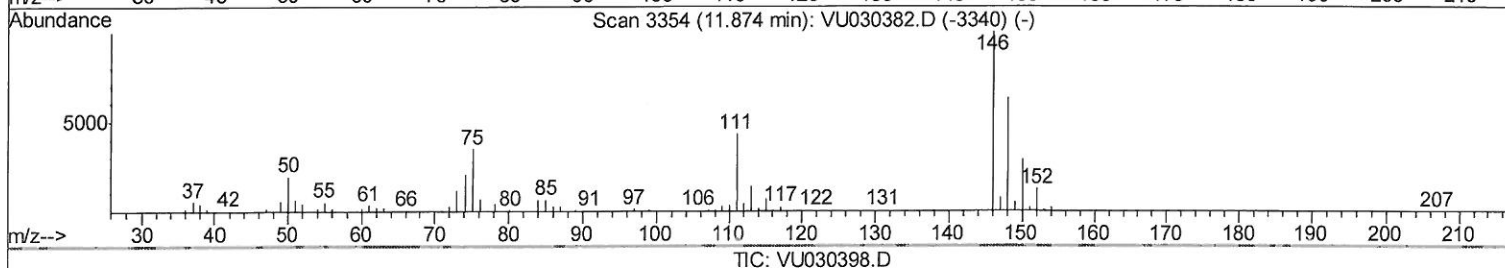
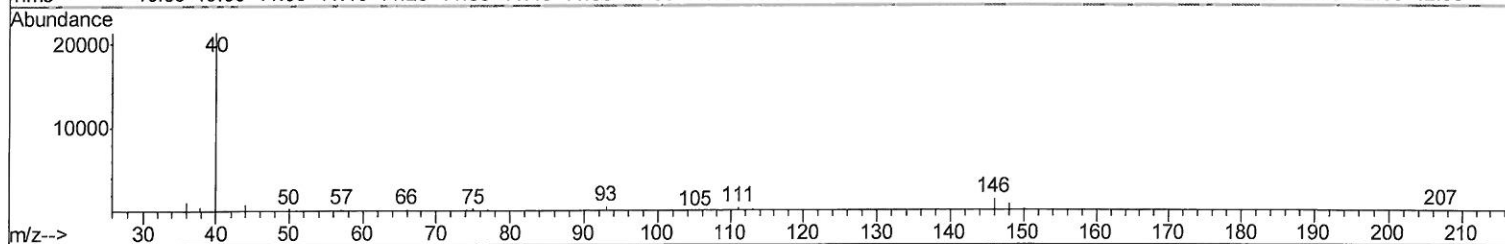
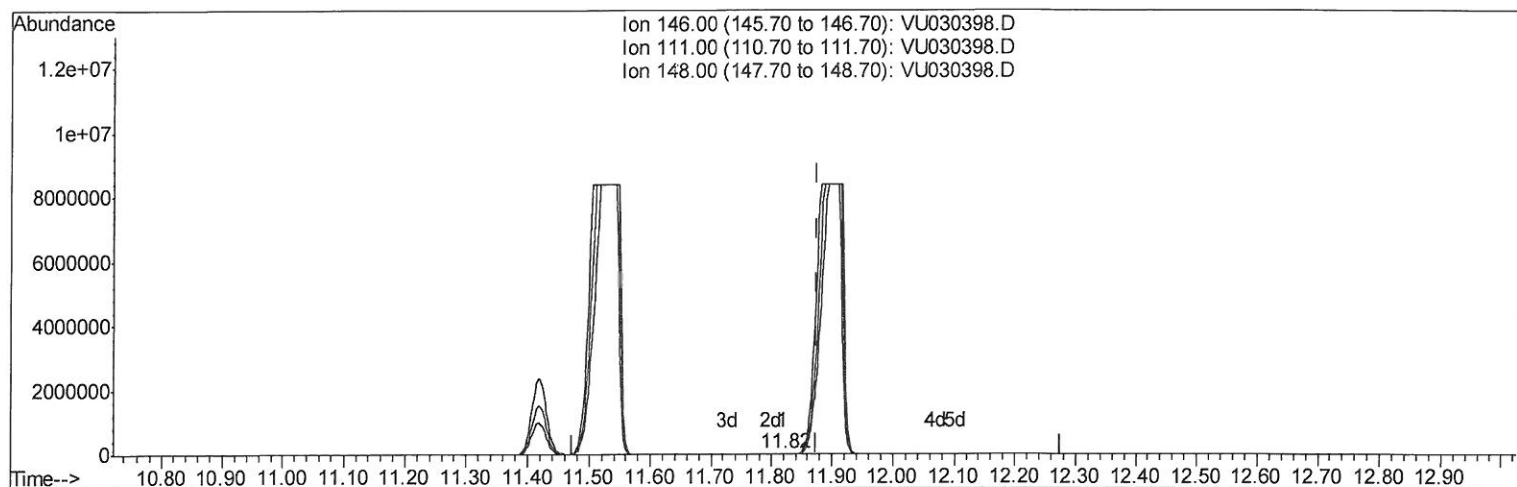
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(65) 1,2-Dichlorobenzene (T)

11.820min (-0.055) 0.02ug/L

response 166

Ion	Exp%	Act%
146.00	100	100
111.00	43.60	30.57#
148.00	64.00	59.36
0.00	0.00	0.00

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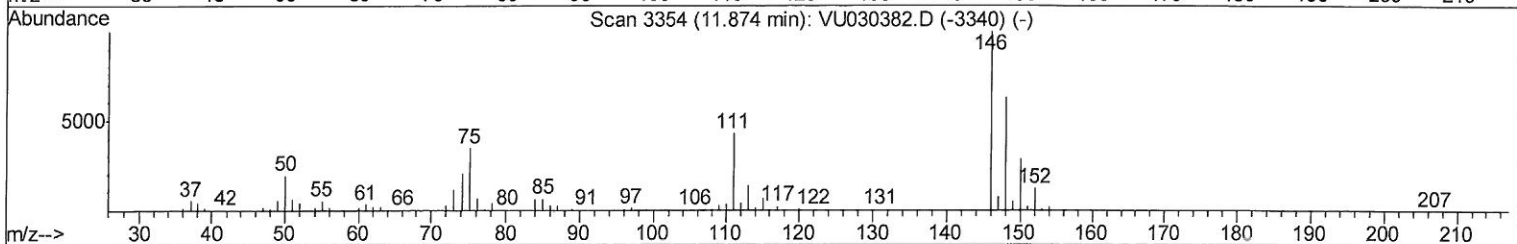
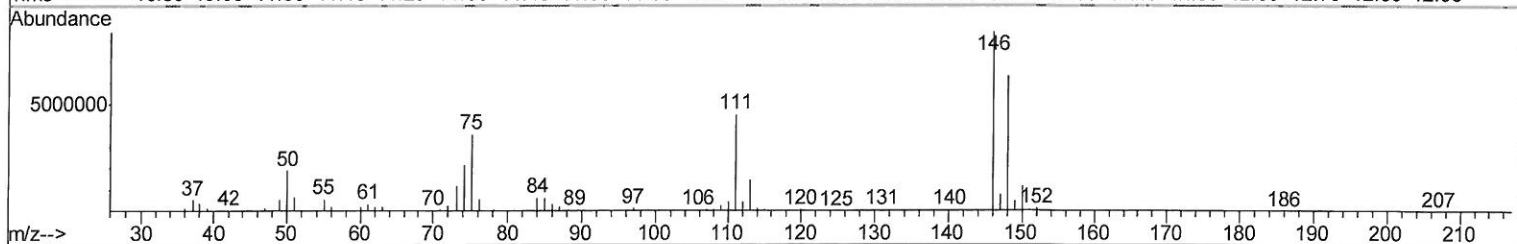
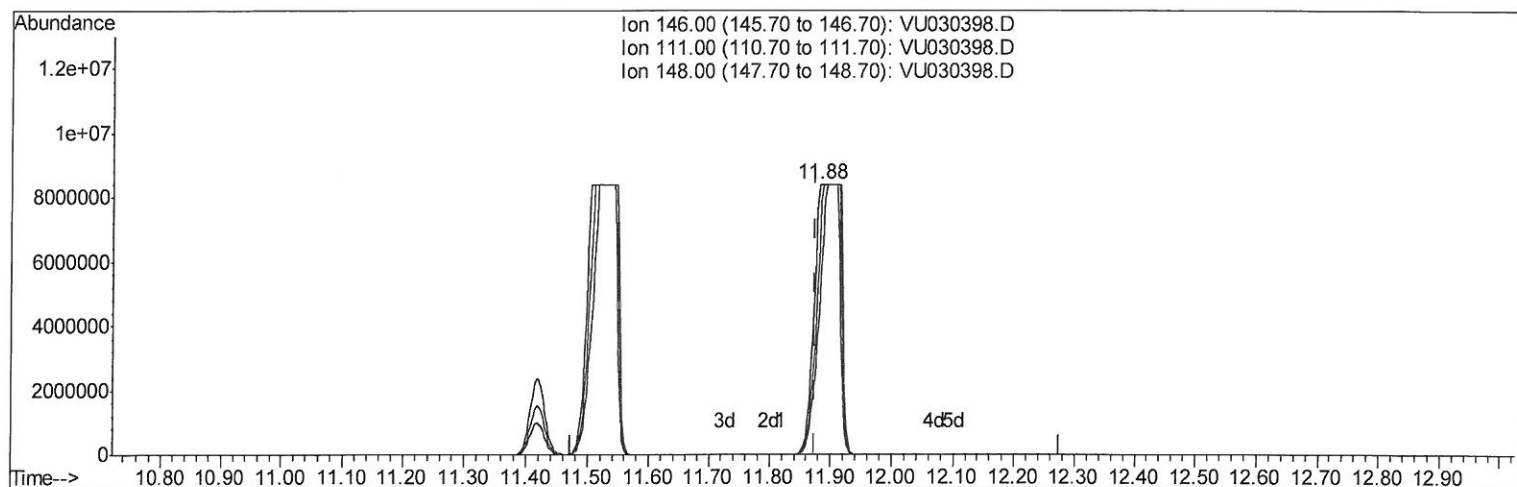
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TIC: VU030398.D

(65) 1,2-Dichlorobenzene (T)

11.881min (+0.007) 3145.78ug/L m

response 25553426

Ion	Exp%	Act%
146.00	100	100
111.00	43.60	53.62#
148.00	64.00	75.17
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	455097	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.11	117	450227	50.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	11.50	152	245651	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	119456	32.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.24%
7) Chloroethane-d5	1.68	69	107232	36.94	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.88%
11) 1,1-Dichloroethene-d2	2.27	63	186843	26.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.78%#
21) 2-Butanone-d5	4.17	46	310776	90.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.26%
24) Chloroform-d	4.64	84	271013	42.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.90%
26) 1,2-Dichloroethane-d4	5.32	65	185805	45.00	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.00%
32) Benzene-d6	5.35	84	565811	43.82	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
36) 1,2-Dichloropropane-d6	6.33	67	199814	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.46%
41) Toluene-d8	7.56	98	509465	43.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.88%
43) trans-1,3-Dichloropropene-	7.85	79	85785	41.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.60%
47) 2-Hexanone-d5	8.31	63	215539	90.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282695	44.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.44%
64) 1,2-Dichlorobenzene-d4	11.87	152	224415	45.59	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.18%

Target Compounds

					Qvalue	
13) Acetone	2.32	43	13693	3.933	ug/L	97
14) Carbon disulfide	2.48	76	9053	0.841	ug/L #	94
16) Methylene chloride	2.70	84	2673	0.696	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	7103	0.629	ug/L #	53
25) Chloroform	4.67	83	114692	17.212	ug/L	99
29) Cyclohexane	4.99	56	27488	4.034	ug/L #	91
31) Carbon tetrachloride	5.13	117	145600	31.160	ug/L	97
33) Benzene	5.38	78	45347178m	2958.803	ug/L	
34) Trichloroethene	6.19	95	4920	1.306	ug/L	94
35) Methylcyclohexane	6.41	83	12232	1.973	ug/L #	80
42) Toluene	7.64	91	16073	1.011	ug/L	99
46) Tetrachloroethene	8.22	164	9491	3.607	ug/L	95
51) Chlorobenzene	9.11	112	41174010m	4271.154	ug/L	
62) 1,3-Dichlorobenzene	11.42	146	3965879	493.671	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	28613271m	3459.792	ug/L	
65) 1,2-Dichlorobenzene	11.88	146	25553426m	3145.776	ug/L	
68) 1,2,4-trichlorobenzene	13.50	180	6062185	1160.127	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.98	180	685352	124.207 ug/L	100

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