

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU032519\
 Data File : VU030426.D
 Acq On : 26 Mar 2019 00:37
 Operator : JC/SP
 Sample : K2070-09 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D1

Manual Integrations
 APPROVED

apatel
 4/10/2019 9:44:22 AM

Quant Time: Apr 10 09:23:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 01:25:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	472596	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	449100	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	181650	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	197667	51.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.94%
7) Chloroethane-d5	1.67	69	153675	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.96%
11) 1,1-Dichloroethene-d2	2.27	63	268122	37.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.32%
21) 2-Butanone-d5	4.17	46	335484	93.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.83%
24) Chloroform-d	4.64	84	307661	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
26) 1,2-Dichloroethane-d4	5.31	65	208197	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.10%
32) Benzene-d6	5.34	84	640251	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
36) 1,2-Dichloropropane-d6	6.33	67	224305	50.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.80%
41) Toluene-d8	7.56	98	542967	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.85	79	90066	43.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.94%
47) 2-Hexanone-d5	8.31	63	210875	88.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.31%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	289461	45.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	185766	51.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.08%

Target Compounds

					Ovalue
33) Benzene	5.39	78	36007	2.355	ug/L 100
51) Chlorobenzene	9.12	112	1114790	115.932	ug/L 98
62) 1,3-Dichlorobenzene	11.42	146	23892	4.022	ug/L 97
63) 1,4-Dichlorobenzene	11.50	146	114348	18.698	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	221892	36.941	ug/L 100
68) 1,2,4-trichlorobenzene	13.50	180	32903m	8.515	ug/L
70) 1,2,3-Trichlorobenzene	13.99	180	8854m	2.170	ug/L

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

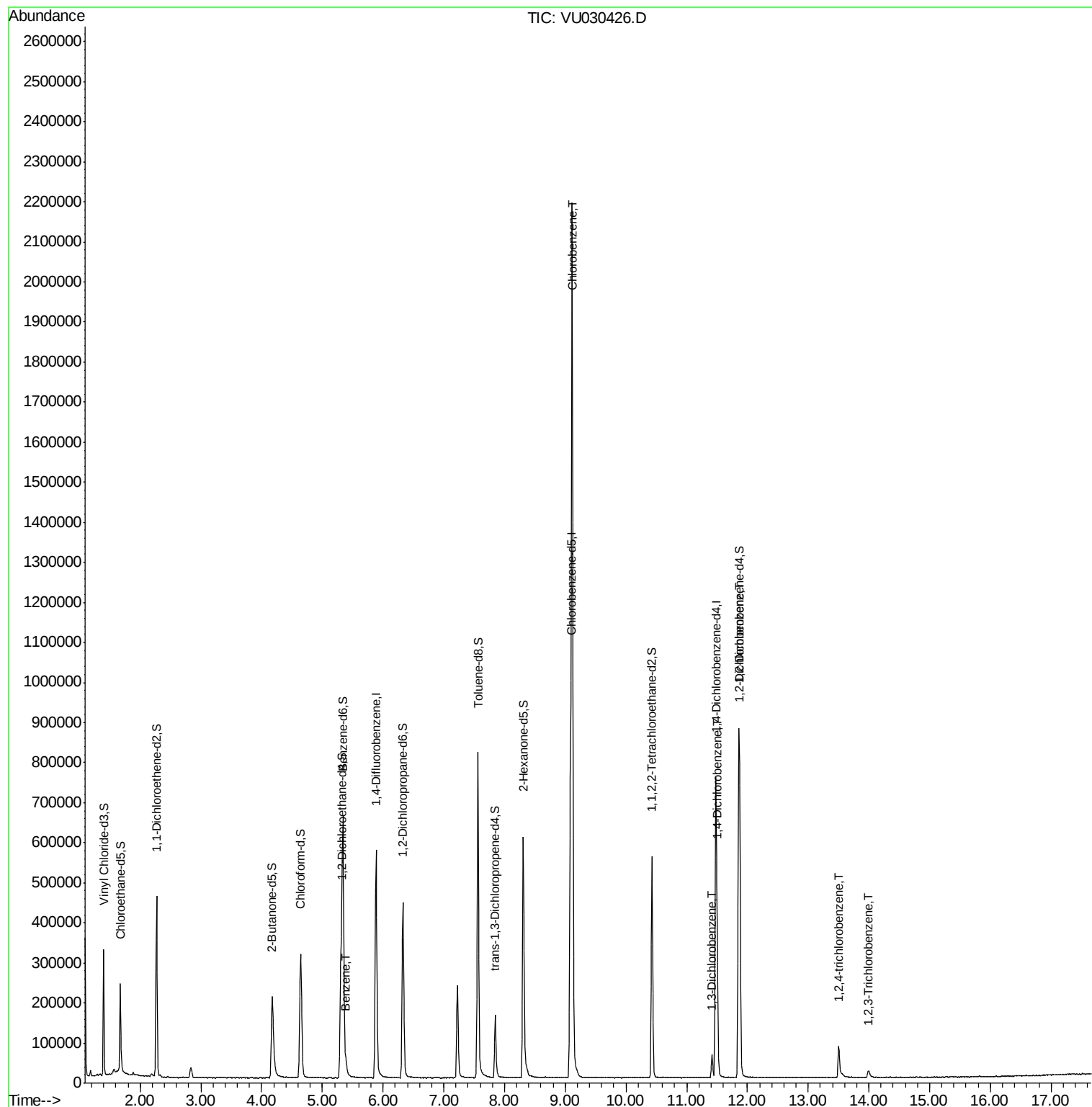
Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU032519\
Data File : VU030426.D
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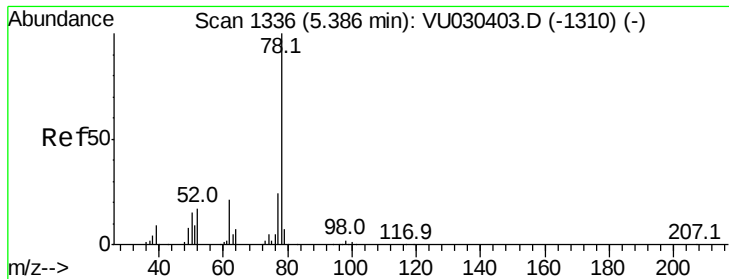
Instrument :
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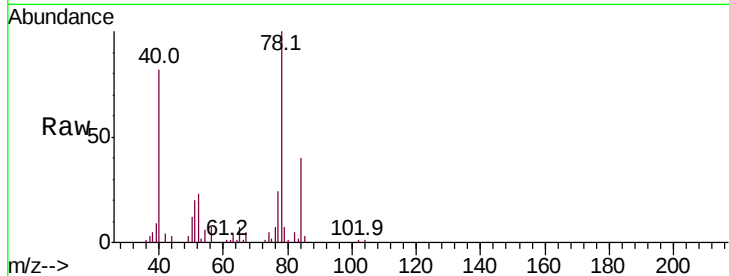
#33
Benzene
Concen: 2.355 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU030426.D
Acq: 26 Mar 2019 00:37

Instrument :
MSVOA_U
ClientSampleId :
C09D1

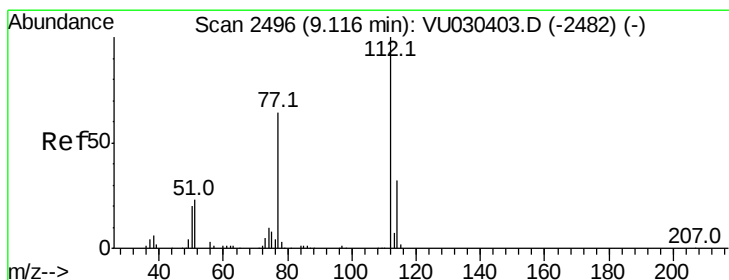
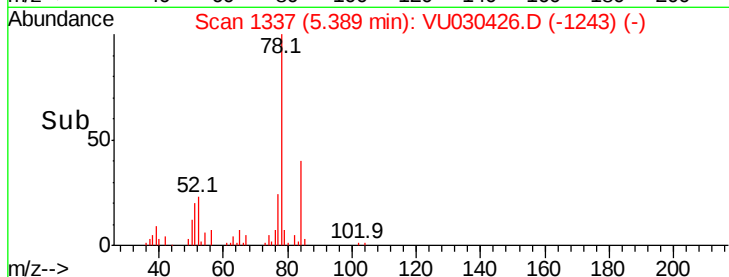
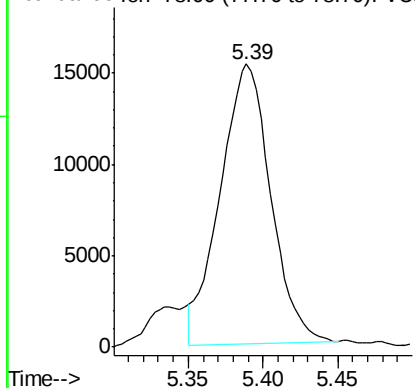
Tgt Ion: 78 Resp: 36007

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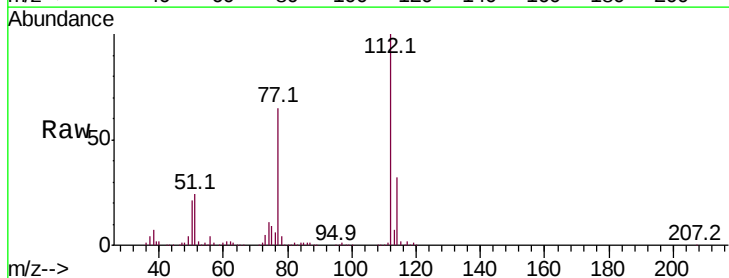


Abundance Ion 78.00 (77.70 to 78.70): VU0

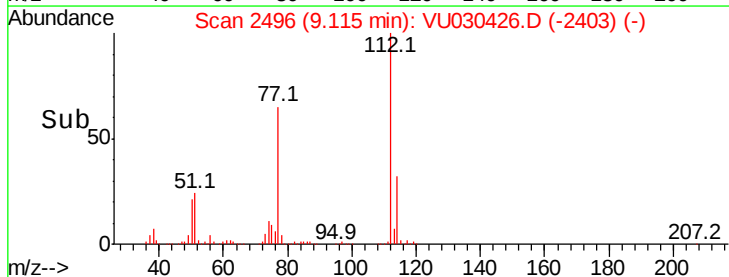
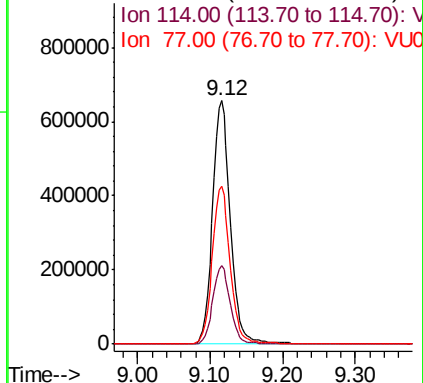


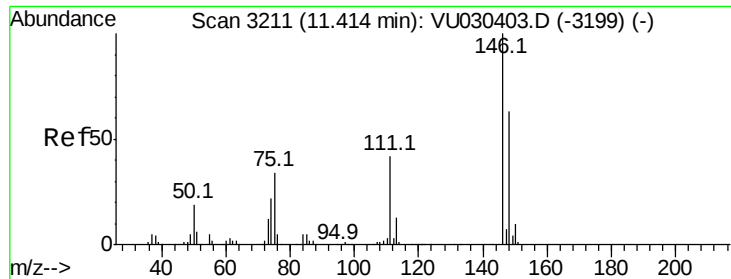
#51
Chlorobenzene
Concen: 115.932 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030426.D
Acq: 26 Mar 2019 00:37

Tgt Ion: 112 Resp: 1114790
Ion Ratio Lower Upper
112 100
114 32.3 21.5 39.9
77 64.9 51.4 77.0



Abundance Ion 112.00 (111.70 to 112.70): V





#62

1,3-Dichlorobenzene

Concen: 4.022 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030426.D

Acq: 26 Mar 2019 00:37

Instrument :

MSVOA_U

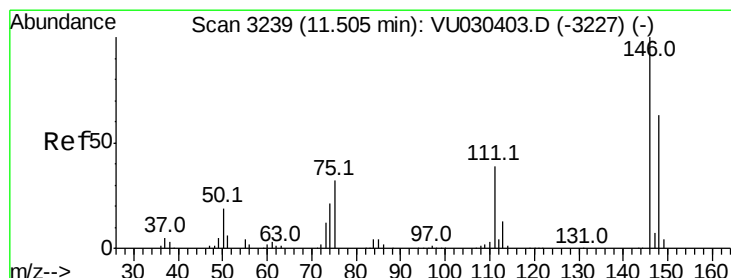
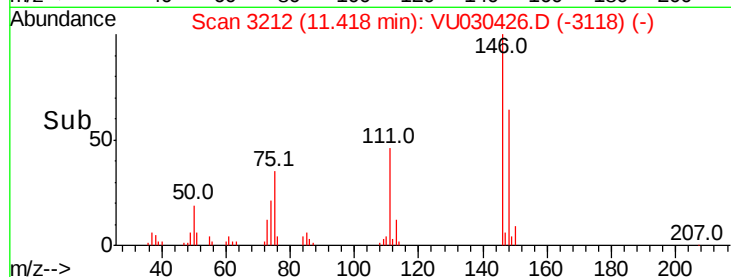
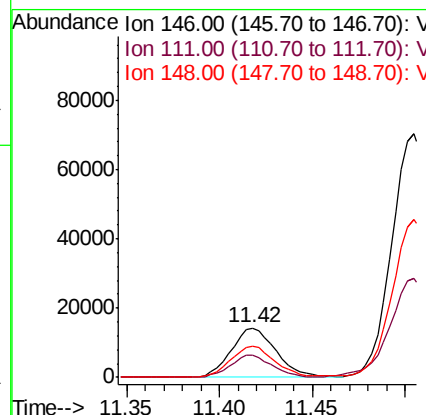
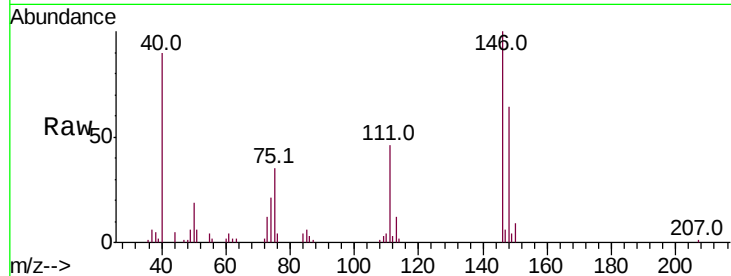
ClientSampled :

C09D1

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	29.2	54.2
148	63.5	44.4	82.4

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#63

1,4-Dichlorobenzene

Concen: 18.698 ug/L

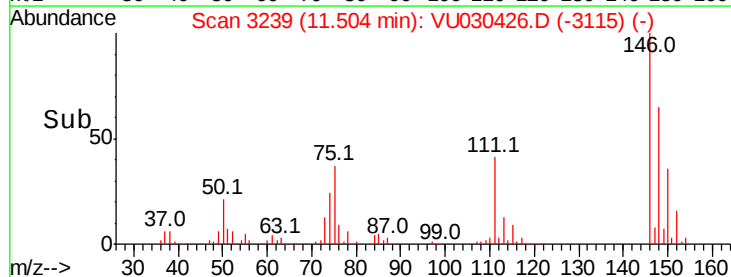
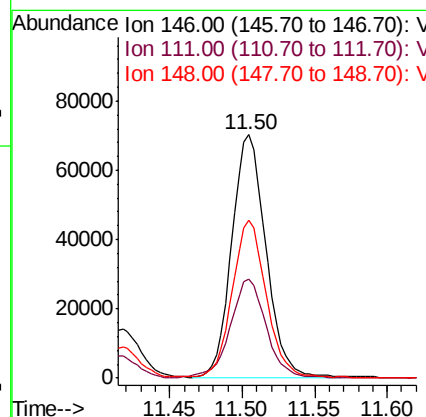
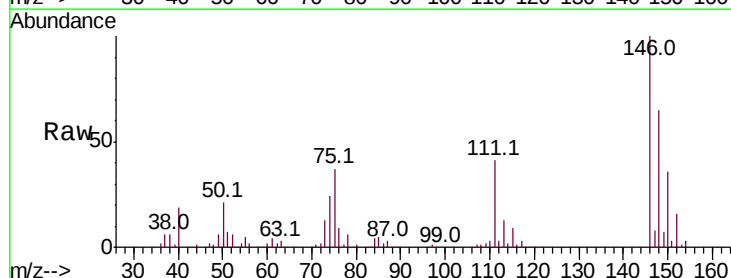
RT: 11.50 min Scan# 3239

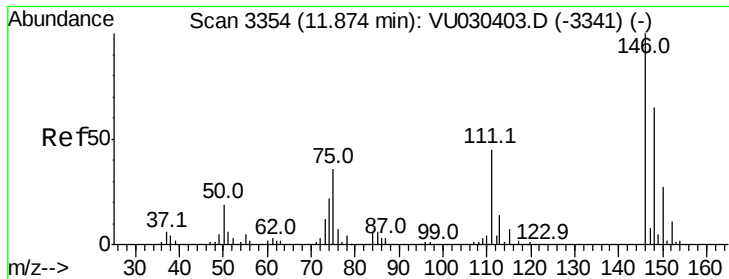
Delta R.T. -0.00 min

Lab File: VU030426.D

Acq: 26 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	28.7	53.3
148	65.1	44.3	82.3





#65

1,2-Dichlorobenzene

Concen: 36.941 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030426.D

Acq: 26 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampled :

C09D1

Tot Ion:146 Resp: 221892

Ion Ratio Lower Upper

146 100

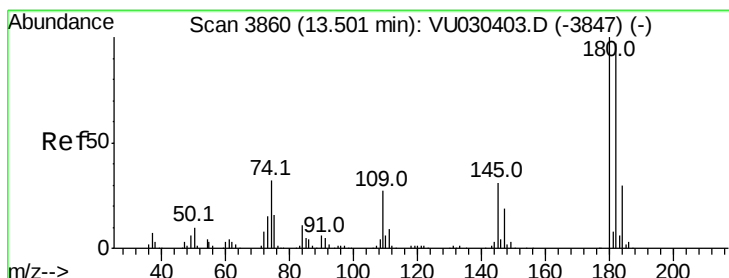
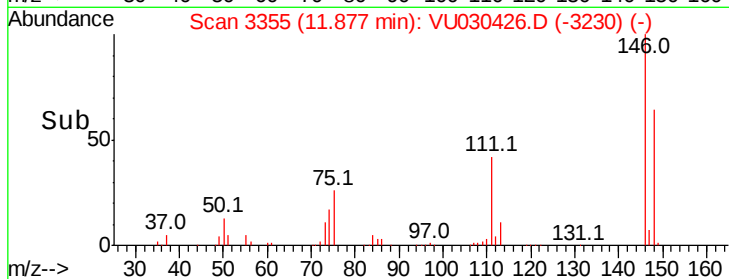
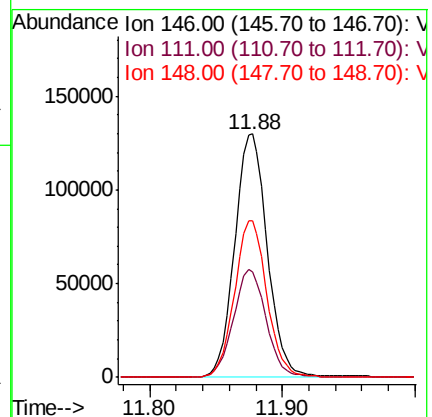
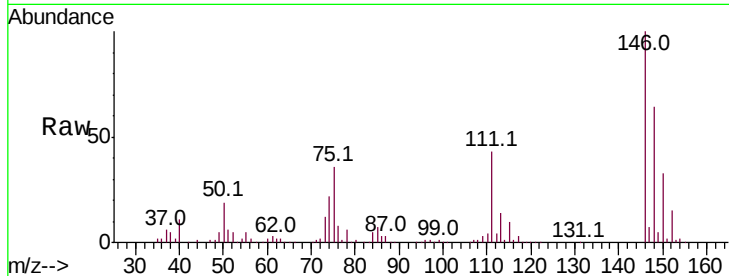
111 43.5 34.9 52.3

148 64.1 51.2 76.8

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#68

1,2,4-trichlorobenzene

Concen: 8.515 ug/L m

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VU030426.D

Acq: 26 Mar 2019 00:37

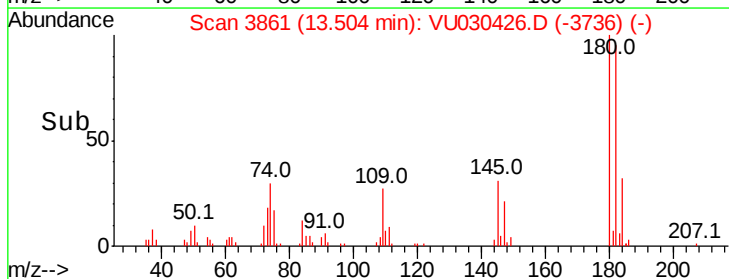
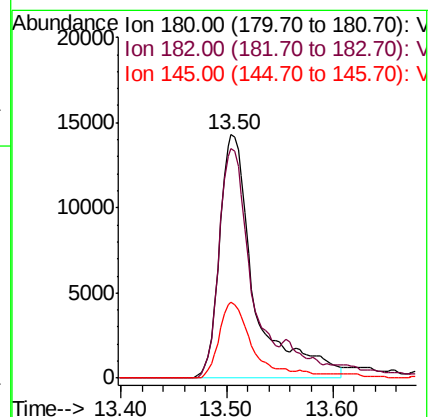
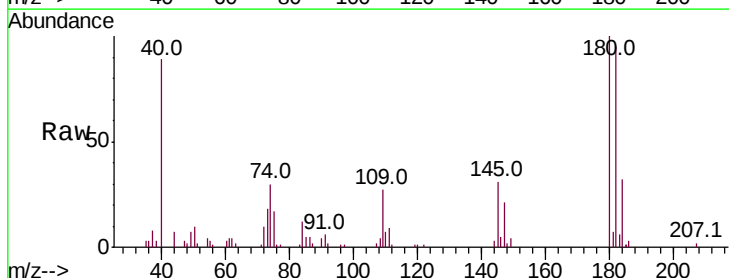
Tgt Ion:180 Resp: 32903

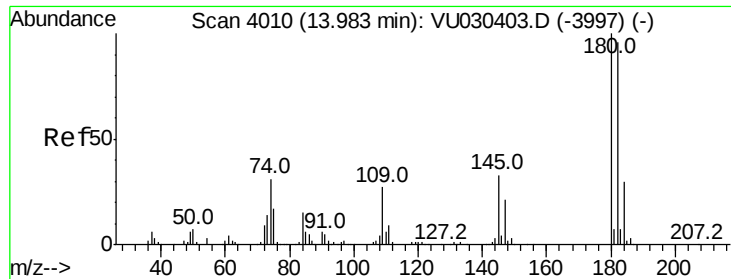
Ion Ratio Lower Upper

180 100

182 82.7 76.1 114.1

145 27.2 24.5 36.7





#70
 1,2,3-Trichlorobenzene
 Concen: 2.170 ug/L m
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030426.D
 Acq: 26 Mar 2019 00:37

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D1

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.4	116.2#
145	0.0	25.9	38.9#

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 4/10/2019 9:44:22 AM

