

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030368.D
 Acq On : 24 Mar 2019 14:15
 Operator : JC/SP
 Sample : K2016-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0979

Quant Time: Mar 25 04:16:30 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	392798	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	379401	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	155248	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	137797	43.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.18%
7) Chloroethane-d5	1.68	69	116759	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.27	63	201654	33.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.26%
21) 2-Butanone-d5	4.17	46	278956	93.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.87%
24) Chloroform-d	4.65	84	256641	47.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	5.31	65	172740	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
32) Benzene-d6	5.34	84	527314	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
36) 1,2-Dichloropropane-d6	6.33	67	187783	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.88%
41) Toluene-d8	7.56	98	462565	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%
43) trans-1,3-Dichloropropene-	7.85	79	73958	42.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.50%
47) 2-Hexanone-d5	8.31	63	186449	92.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	249746	46.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	158557	50.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.94%

Target Compounds

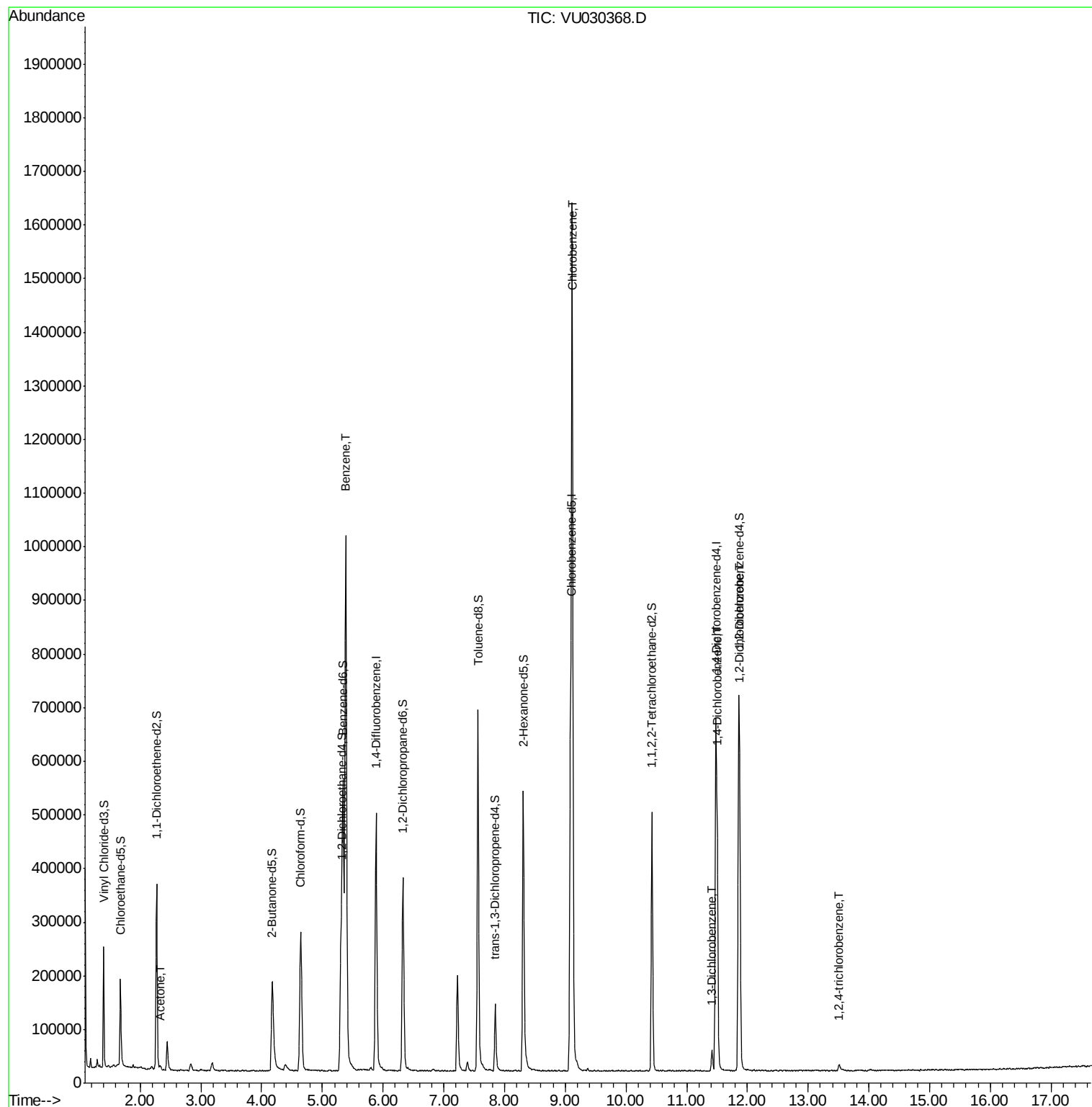
					Ovalue
13) Acetone	2.32	43	5628	1.873	ug/L 95
33) Benzene	5.39	78	985623	76.315	ug/L 100
51) Chlorobenzene	9.12	112	843707	103.860	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	15882	3.128	ug/L 94
63) 1,4-Dichlorobenzene	11.50	146	168502	32.239	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	151819	29.573	ug/L 100
68) 1,2,4-trichlorobenzene	13.51	180	6224	1.885	ug/L # 92

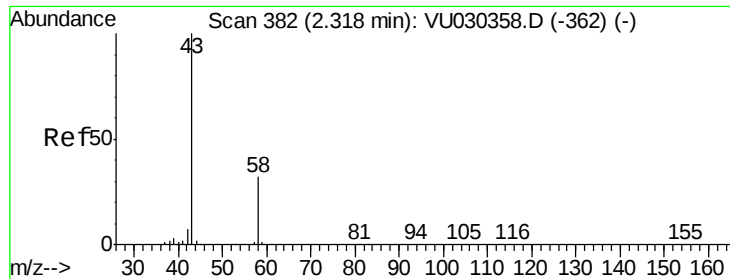
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.873 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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Acq: 24 Mar 2019 14:15

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MSVOA_U

ClientSampleId :

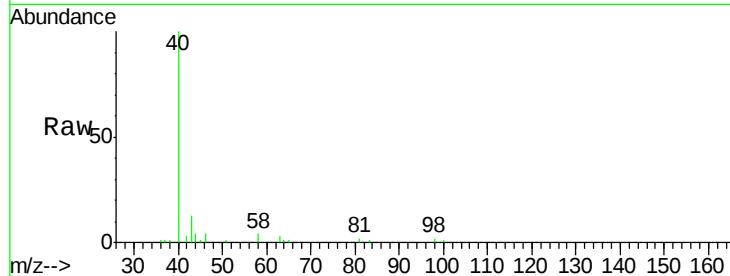
C0979

Tot Ion: 43 Resp: 5628

Ion Ratio Lower Upper

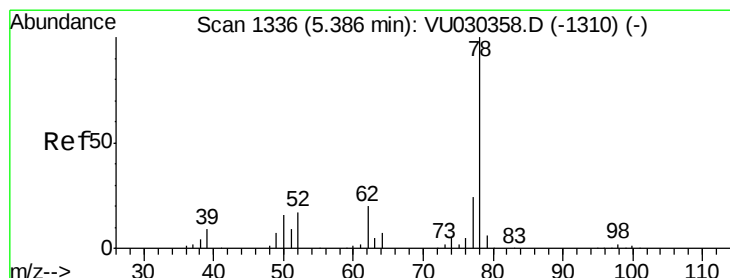
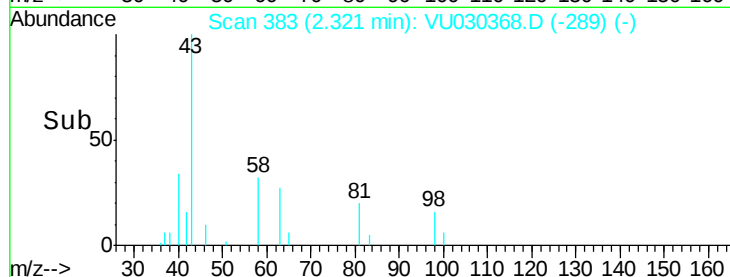
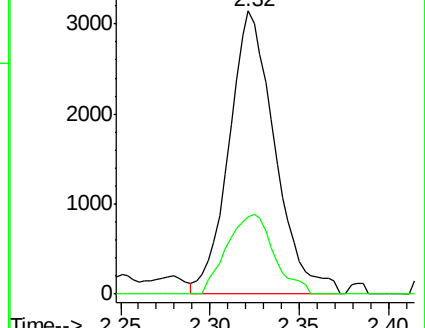
43 100

58 28.7 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030358.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030358.D (-362) (-)



#33

Benzene

Concen: 76.315 ug/L

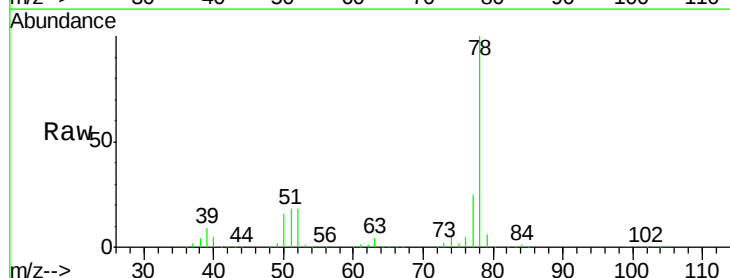
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

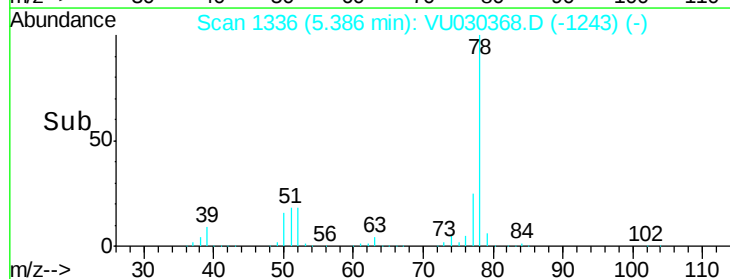
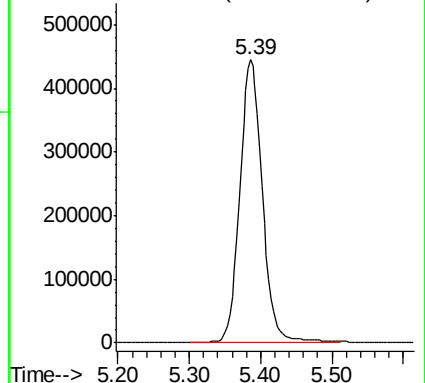
Lab File: VU030368.D

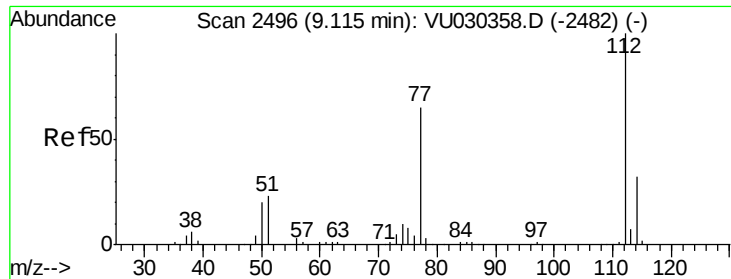
Acq: 24 Mar 2019 14:15

Tgt Ion: 78 Resp: 985623



Abundance Ion 78.00 (77.70 to 78.70): VU030358.D (-1310) (-)





#51

Chlorobenzene

Concen: 103.860 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030368.D

Acq: 24 Mar 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

C0979

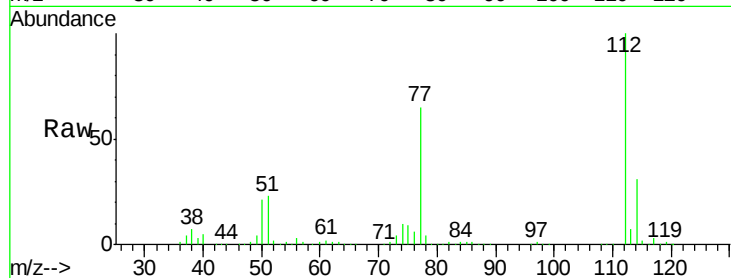
Tot Ion:112 Resp: 843707

Ion Ratio Lower Upper

112 100

114 31.5 21.5 39.9

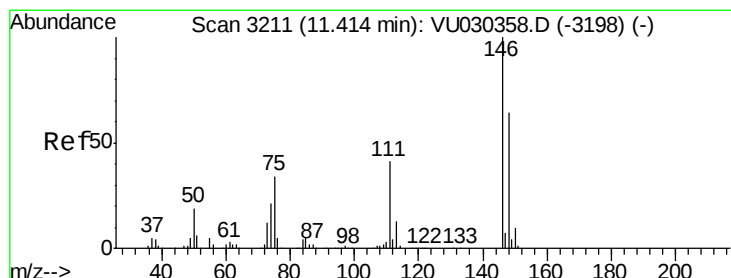
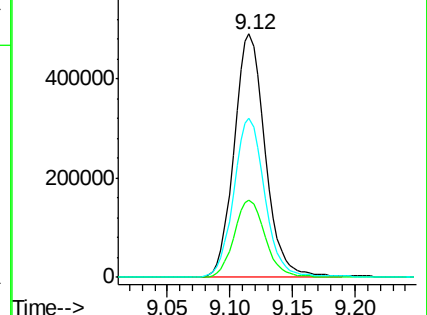
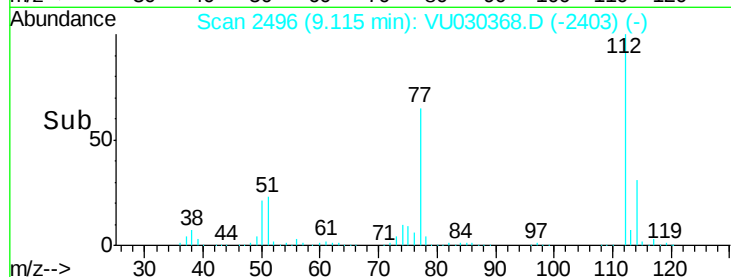
77 65.1 51.4 77.0



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): VU0



#62

1,3-Dichlorobenzene

Concen: 3.128 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030368.D

Acq: 24 Mar 2019 14:15

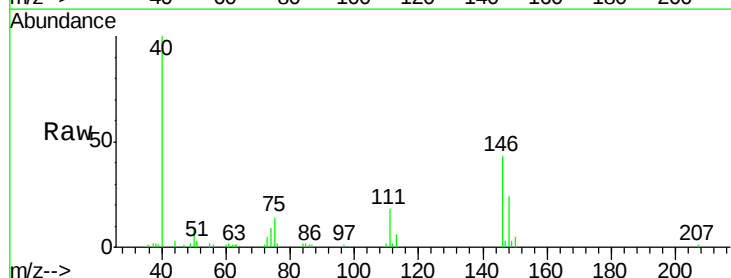
Tgt Ion:146 Resp: 15882

Ion Ratio Lower Upper

146 100

111 40.8 29.2 54.2

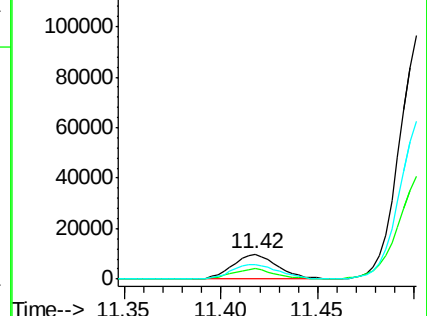
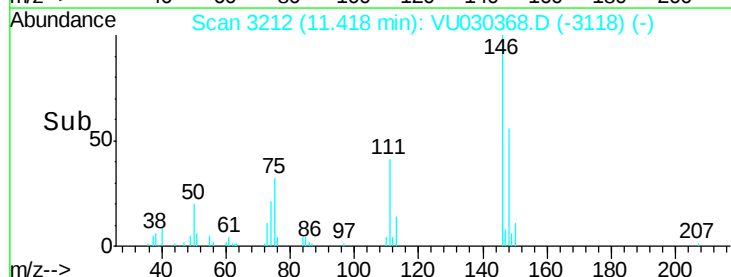
148 56.4 44.4 82.4

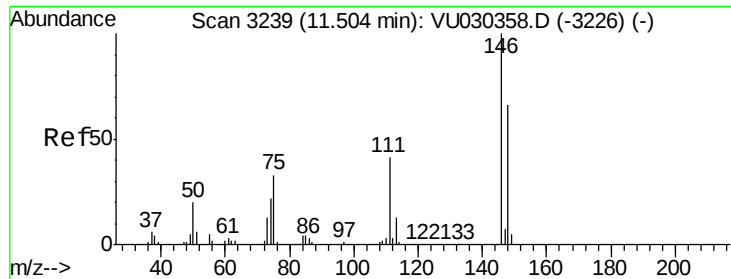


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

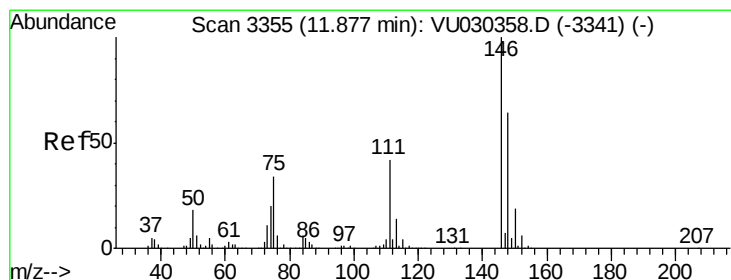
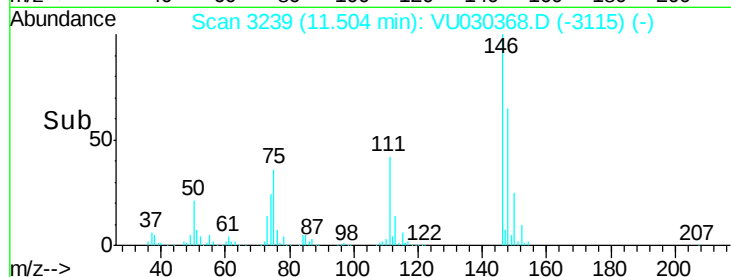
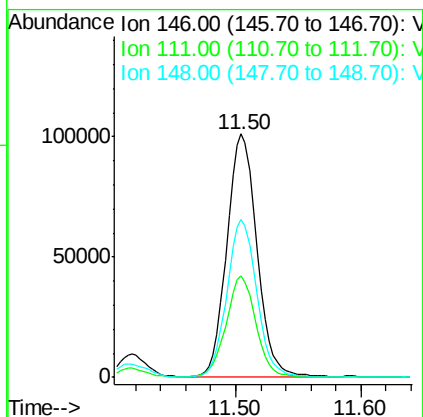
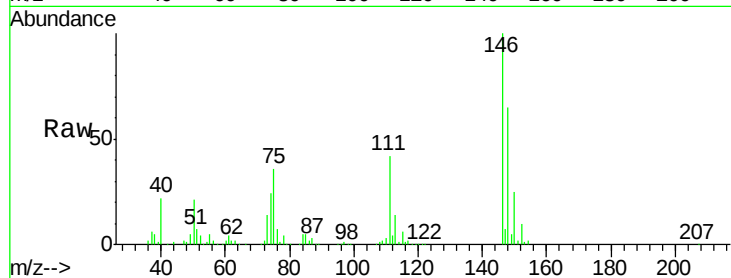




#63
 1,4-Dichlorobenzene
 Concen: 32.239 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030368.D
 Acq: 24 Mar 2019 14:15

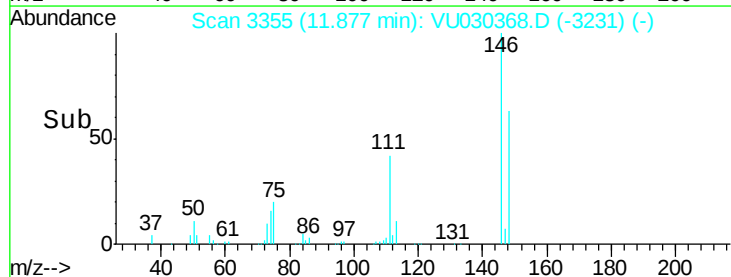
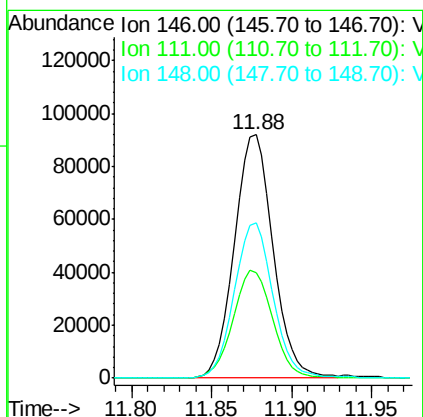
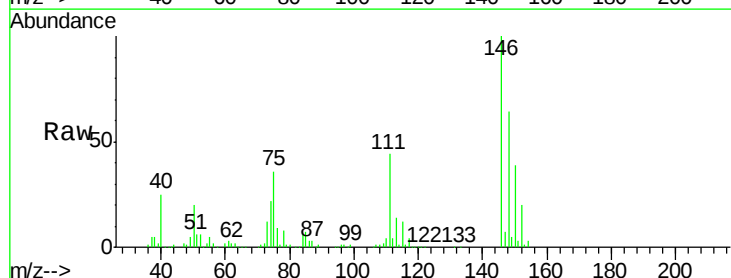
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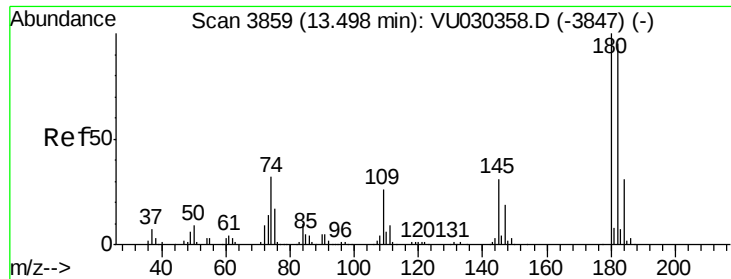
Tot Ion:146 Resp: 168502
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.7 53.3
 148 65.0 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 29.573 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030368.D
 Acq: 24 Mar 2019 14:15

Tgt Ion:146 Resp: 151819
 Ion Ratio Lower Upper
 146 100
 111 43.5 34.9 52.3
 148 63.6 51.2 76.8





#68

1,2,4-trichlorobenzene

Concen: 1.885 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.01 min

Lab File: VU030368.D

Acq: 24 Mar 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

C0979

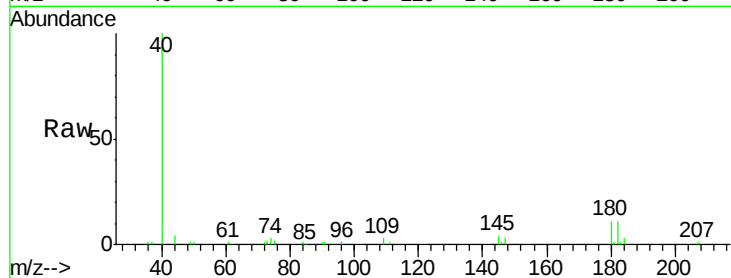
Tot Ion:180 Resp: 6224

Ion Ratio Lower Upper

180 100

182 88.7 76.1 114.1

145 23.9 24.5 36.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

