

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030367.D
 Acq On : 24 Mar 2019 13:51
 Operator : JC/SP
 Sample : K2016-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0978

Quant Time: Mar 25 04:09:45 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	404895	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	381795	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	161229	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	141527	43.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.86%
7) Chloroethane-d5	1.68	69	117113	45.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.68%
11) 1,1-Dichloroethene-d2	2.27	63	204979	33.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.32%
21) 2-Butanone-d5	4.17	46	279479	91.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.24%
24) Chloroform-d	4.64	84	257118	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.31	65	174366	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.92%
32) Benzene-d6	5.34	84	536007	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
36) 1,2-Dichloropropane-d6	6.33	67	189935	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.40%
41) Toluene-d8	7.56	98	459096	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%
43) trans-1,3-Dichloropropene-	7.85	79	74014	42.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.04%
47) 2-Hexanone-d5	8.31	63	181508	89.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	252415	47.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	160571	49.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

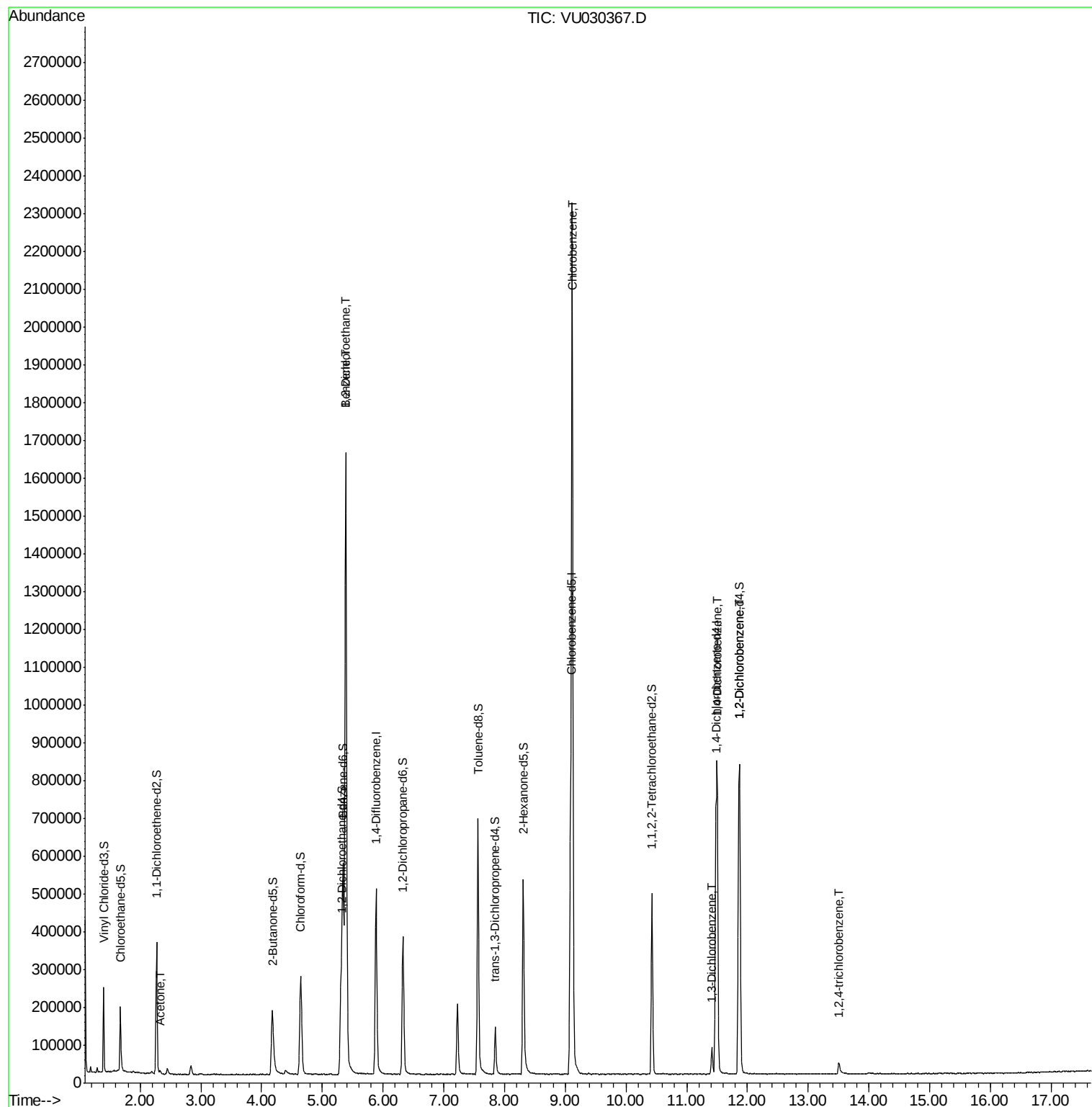
					Ovalue
13) Acetone	2.32	43	6623	2.138 ug/L	97
27) 1,2-Dichloroethane	5.39	62	13697	2.944 ug/L #	75
33) Benzene	5.39	78	1609642	123.850 ug/L	100
51) Chlorobenzene	9.12	112	1192474	145.872 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	28387	5.384 ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	294460	54.248 ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	236860	44.427 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	14945	4.358 ug/L #	90

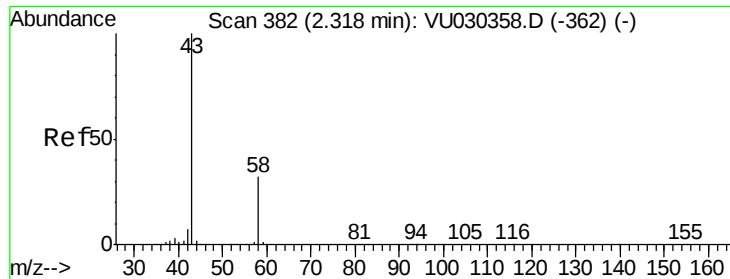
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.138 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030367.D

Acq: 24 Mar 2019 13:51

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MSVOA_U

ClientSampleId :

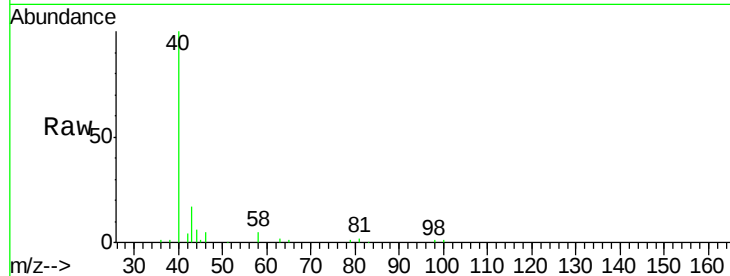
C0978

Tot Ion: 43 Resp: 6623

Ion Ratio Lower Upper

43 100

58 29.6 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) (-)

2.32

4000

3000

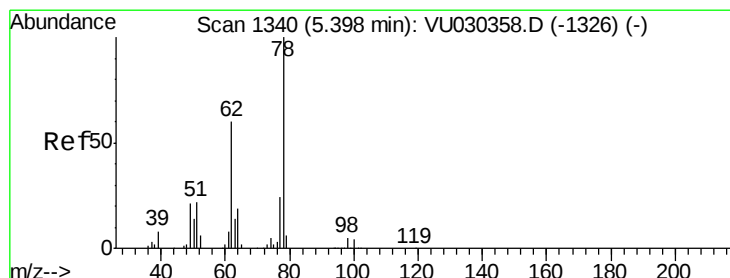
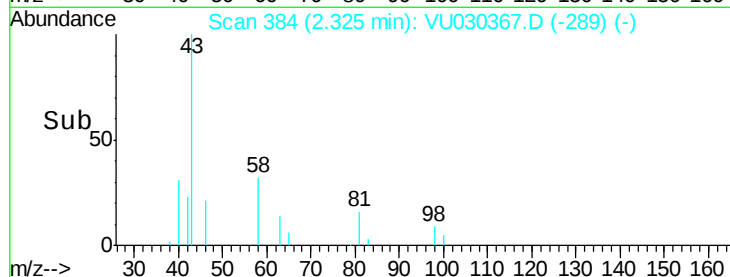
2000

1000

0

Time-->

2.25 2.30 2.35 2.40



#27

1,2-Dichloroethane

Concen: 2.944 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VU030367.D

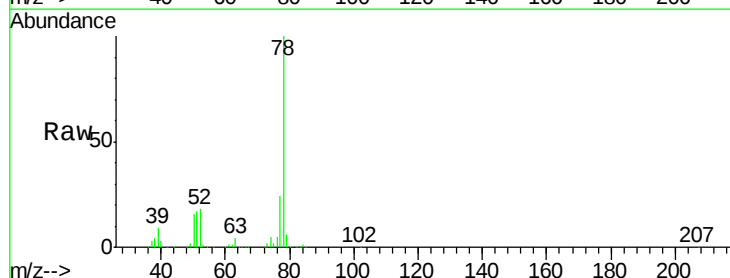
Acq: 24 Mar 2019 13:51

Tgt Ion: 62 Resp: 13697

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU030358.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU030358.D (-1326) (-)

5.39

6000

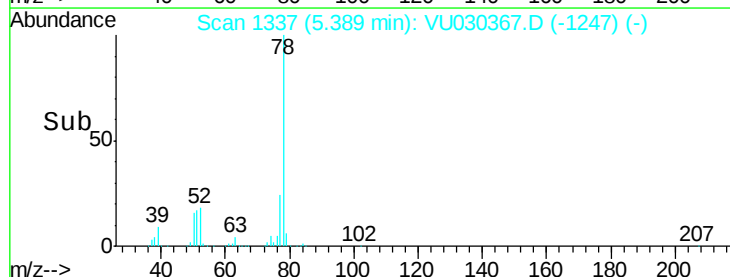
4000

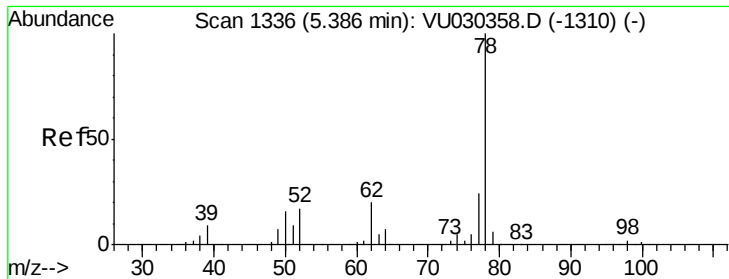
2000

0

Time-->

5.35 5.40 5.45





#33

Benzene

Concen: 123.850 ug/L

RT: 5.39 min Scan# 1336

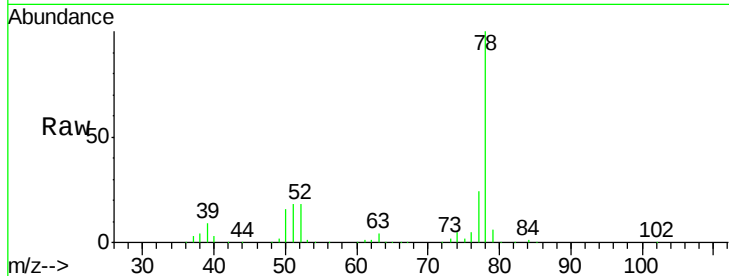
Delta R.T. 0.00 min

Lab File: VU030367.D

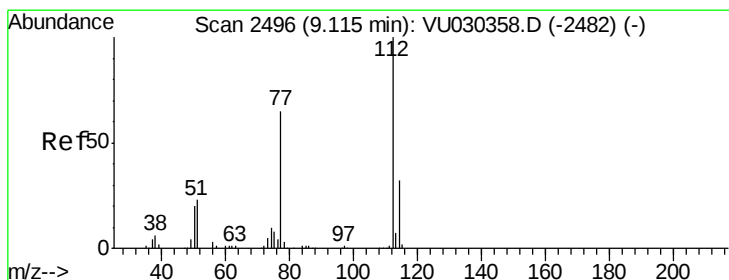
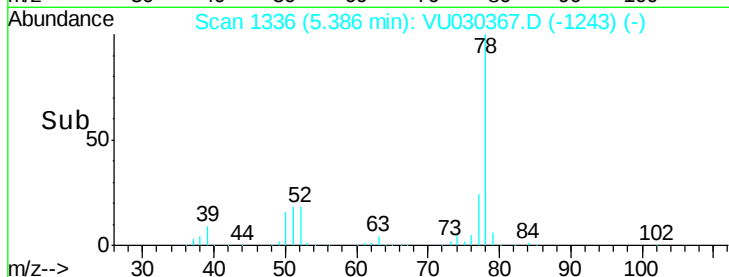
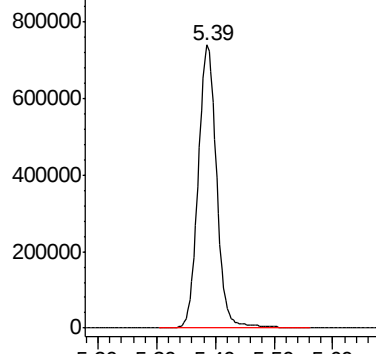
Acq: 24 Mar 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
C0978

Tgt Ion: 78 Resp: 1609642



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 145.872 ug/L

RT: 9.12 min Scan# 2496

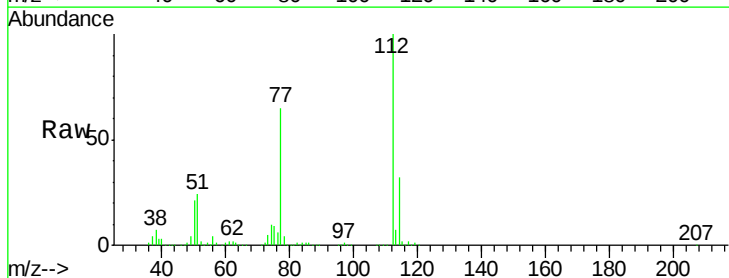
Delta R.T. 0.00 min

Lab File: VU030367.D

Acq: 24 Mar 2019 13:51

Tgt Ion: 112 Resp: 1192474

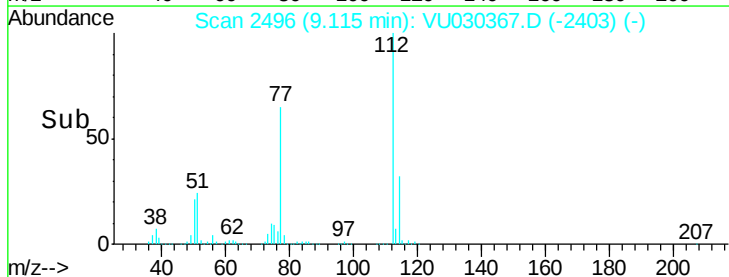
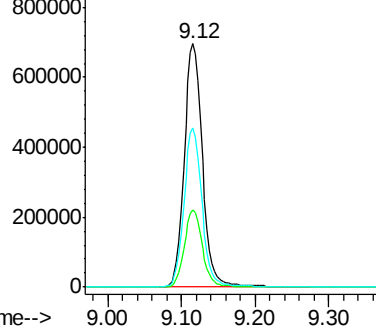
Ion	Ratio	Lower	Upper
112	100		
114	31.8	21.5	39.9
77	65.3	51.4	77.0

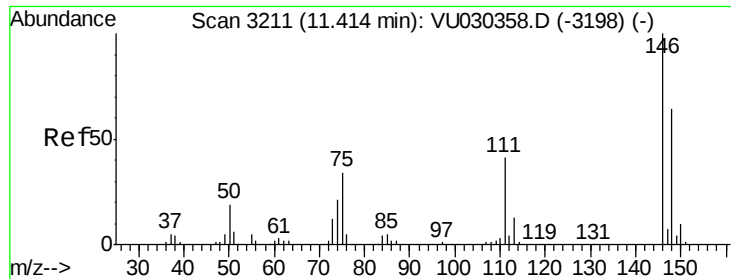


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

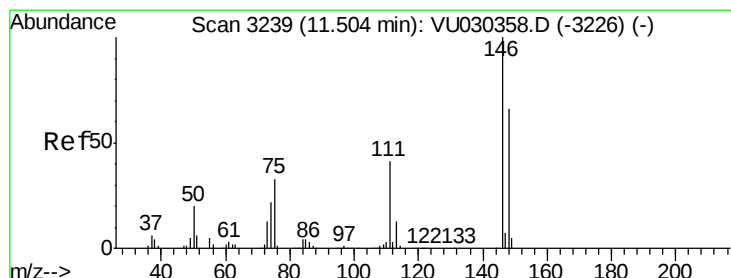
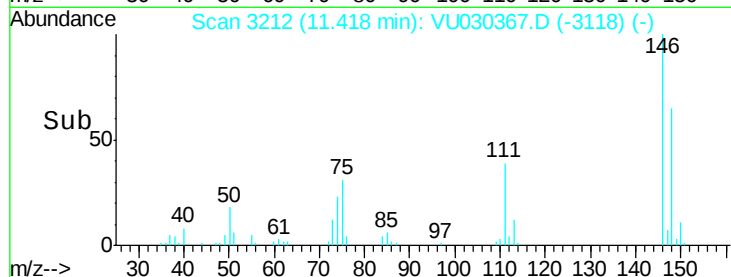
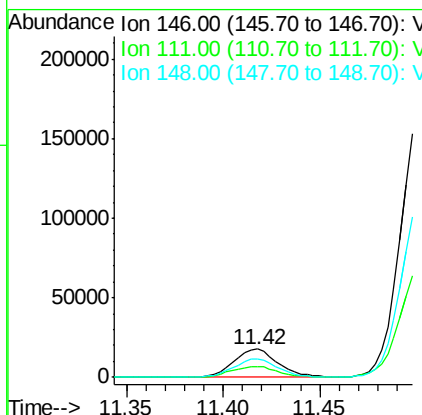
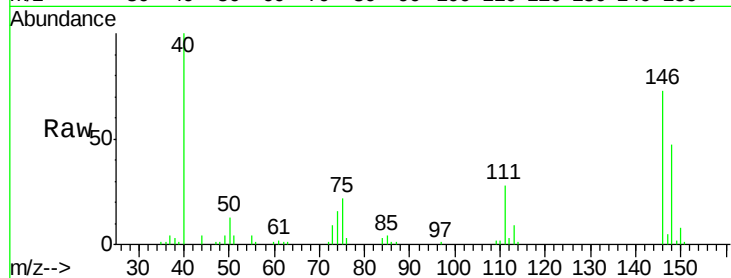




#62
 1,3-Dichlorobenzene
 Concen: 5.384 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030367.D
 Acq: 24 Mar 2019 13:51

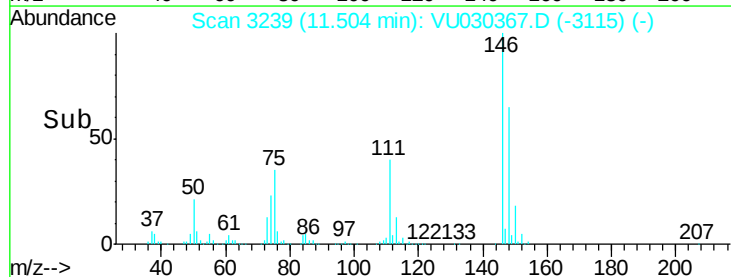
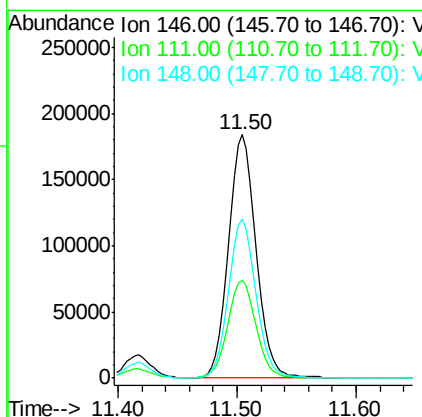
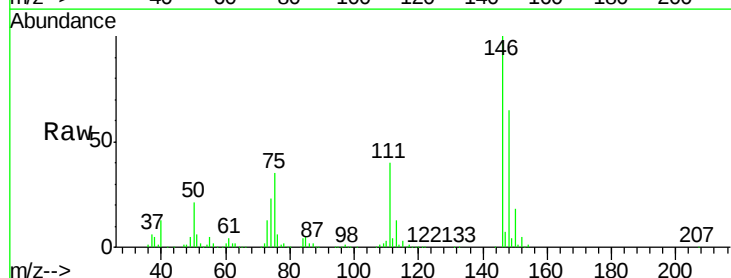
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 C0978

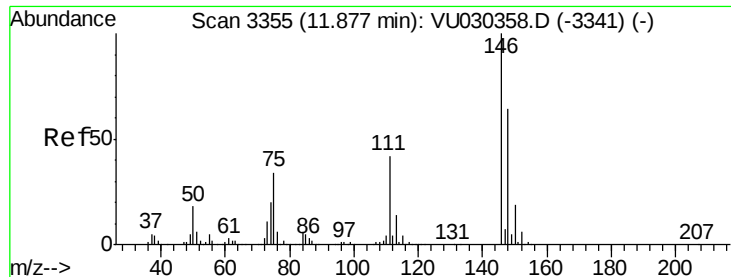
Tot Ion:146 Resp: 28387
 Ion Ratio Lower Upper
 146 100
 111 39.1 29.2 54.2
 148 65.2 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 54.248 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030367.D
 Acq: 24 Mar 2019 13:51

Tgt Ion:146 Resp: 294460
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.7 53.3
 148 65.5 44.3 82.3

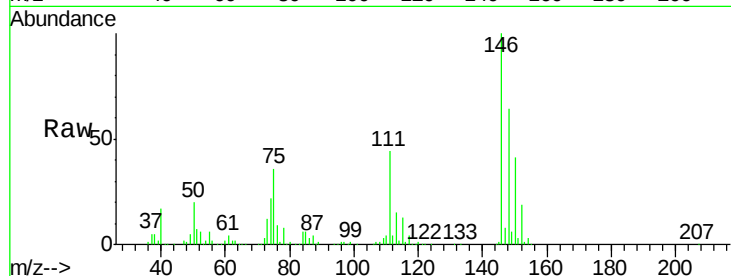




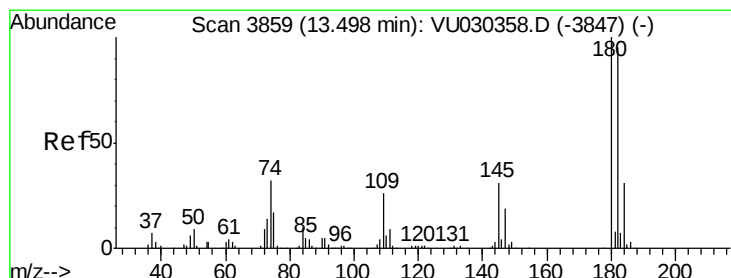
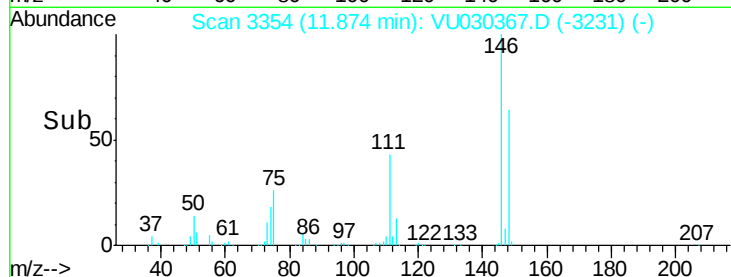
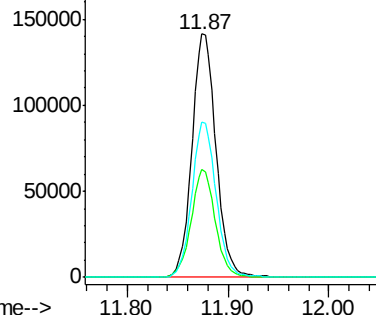
#65
 1,2-Dichlorobenzene
 Concen: 44.427 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030367.D
 Acq: 24 Mar 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0978

Tot Ion:146 Resp: 236860
 Ion Ratio Lower Upper
 146 100
 111 44.2 34.9 52.3
 148 63.6 51.2 76.8

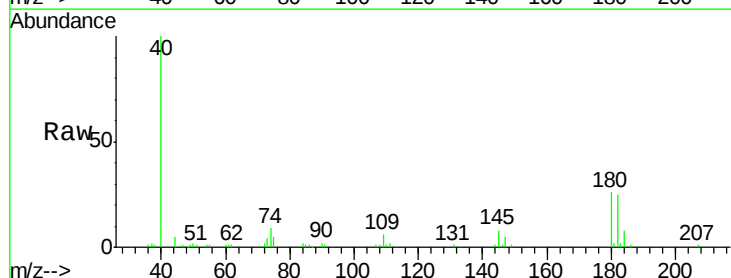


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.358 ug/L
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU030367.D
 Acq: 24 Mar 2019 13:51

Tgt Ion:180 Resp: 14945
 Ion Ratio Lower Upper
 180 100
 182 86.3 76.1 114.1
 145 22.7 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

