

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030380.D
 Acq On : 24 Mar 2019 18:59
 Operator : JC/SP
 Sample : K2016-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E5

Quant Time: Mar 25 05:44:08 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	420498	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	383571	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	156573	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	126789	37.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.94%
7) Chloroethane-d5	1.68	69	111125	41.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.86%
11) 1,1-Dichloroethene-d2	2.27	63	202026	31.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.94%
21) 2-Butanone-d5	4.17	46	290489	91.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.31%
24) Chloroform-d	4.64	84	258455	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.66%
26) 1,2-Dichloroethane-d4	5.31	65	173502	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.34	84	547473	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
36) 1,2-Dichloropropane-d6	6.33	67	192968	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.54%
41) Toluene-d8	7.56	98	471528	47.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.46%
43) trans-1,3-Dichloropropene-	7.85	79	75530	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.36%
47) 2-Hexanone-d5	8.31	63	195805	96.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	253896	47.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.30%
64) 1,2-Dichlorobenzene-d4	11.85	152	158415	50.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

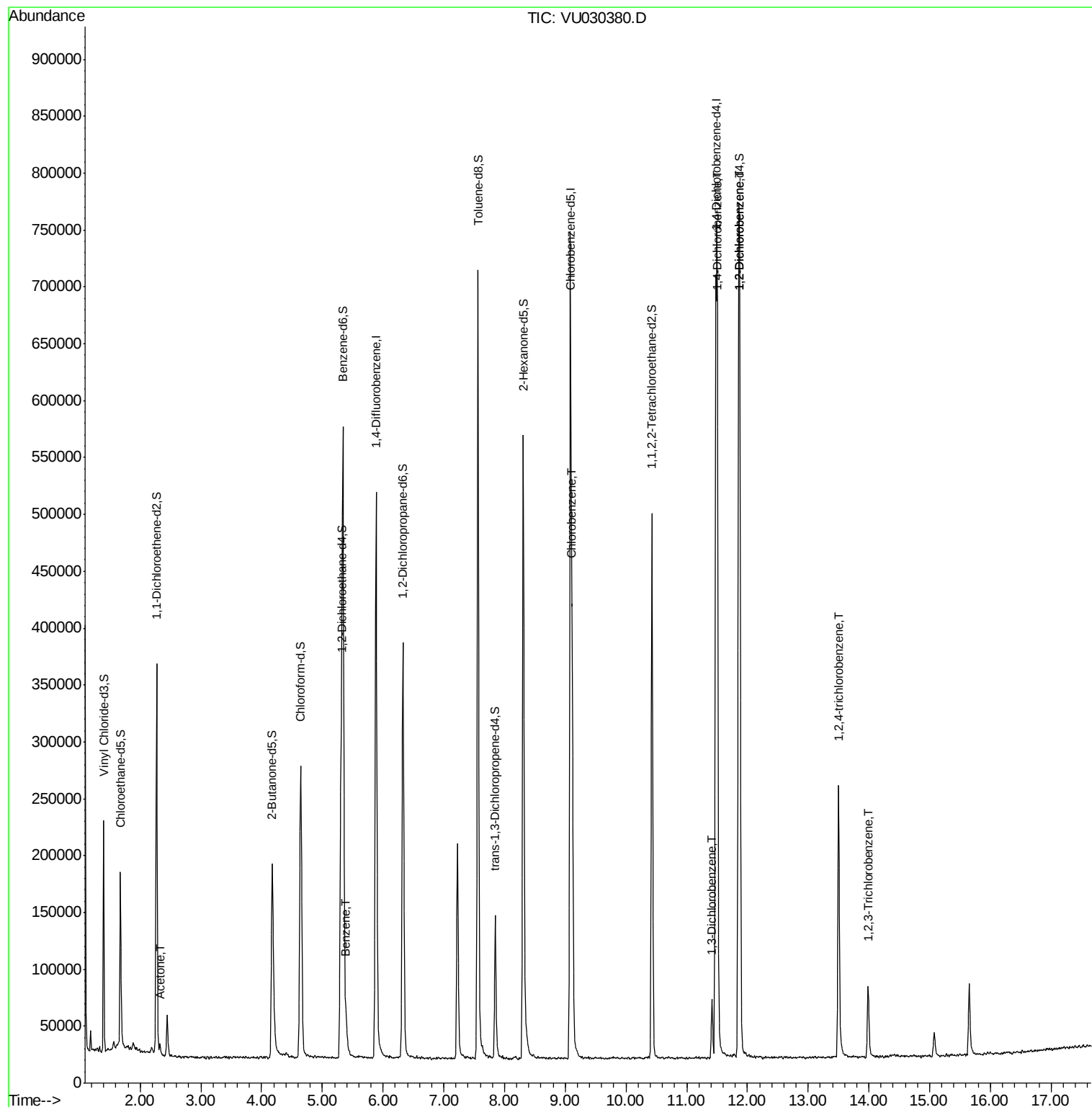
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	5139	1.597	ug/L	94
33) Benzene	5.39	78	32781	2.511	ug/L	100
51) Chlorobenzene	9.12	112	192483	23.437	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	21815	4.260	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	264139	50.109	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	206735	39.930	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	81011	24.323	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	23720	6.744	ug/L	97

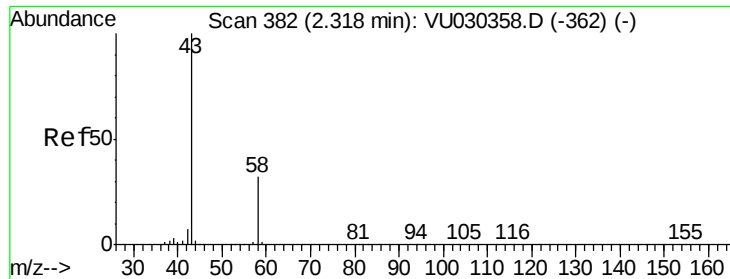
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.597 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030380.D

Acq: 24 Mar 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

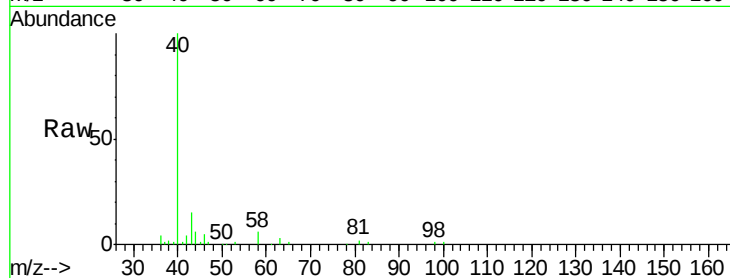
C09E5

Tot Ion: 43 Resp: 5139

Ion Ratio Lower Upper

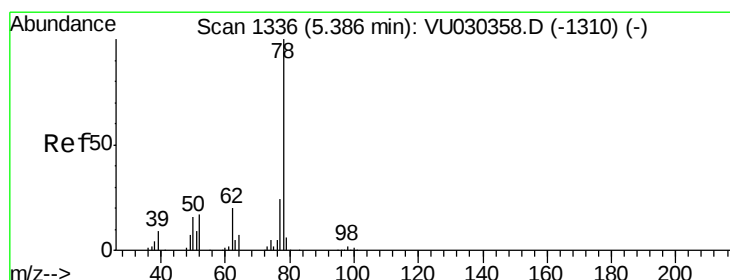
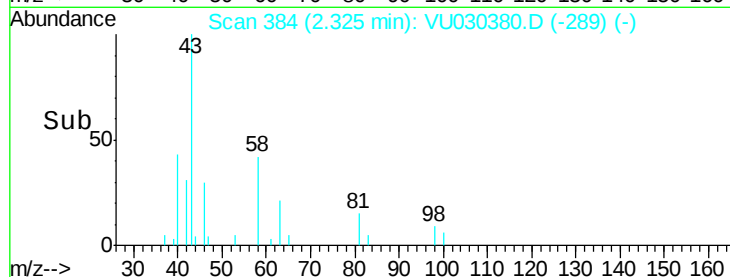
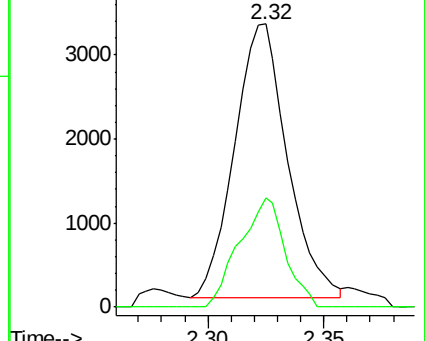
43 100

58 34.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030380.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU030380.D (-289) (-)



#33

Benzene

Concen: 2.511 ug/L

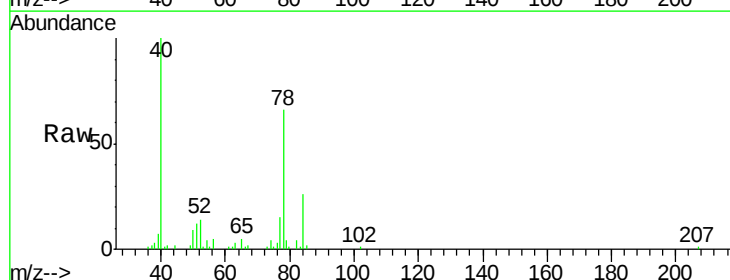
RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

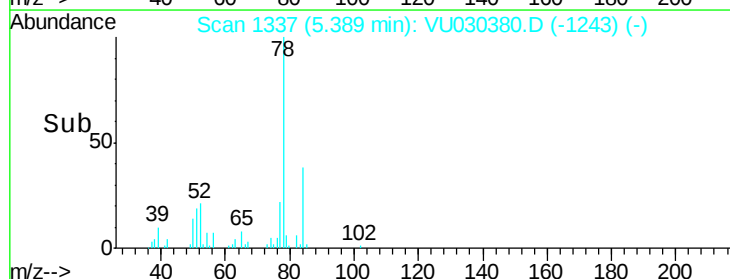
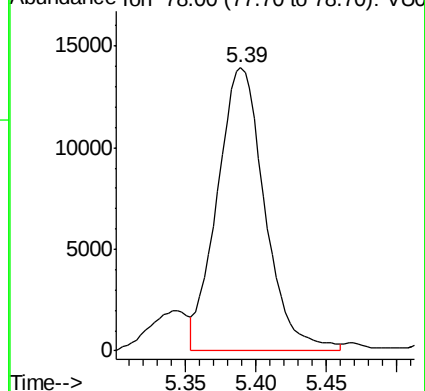
Lab File: VU030380.D

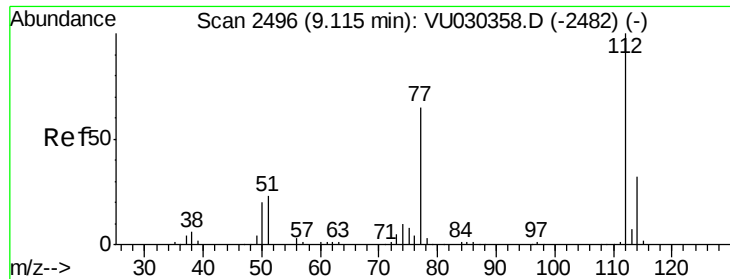
Acq: 24 Mar 2019 18:59

Tgt Ion: 78 Resp: 32781



Abundance Ion 78.00 (77.70 to 78.70): VU030380.D (-1243) (-)





#51

Chlorobenzene

Concen: 23.437 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030380.D

Acq: 24 Mar 2019 18:59

Instrument :

MSVOA_U

ClientSampled :

C09E5

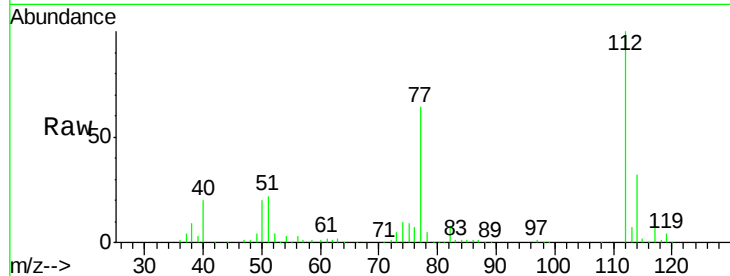
Tot Ion:112 Resp: 192483

Ion Ratio Lower Upper

112 100

114 31.6 21.5 39.9

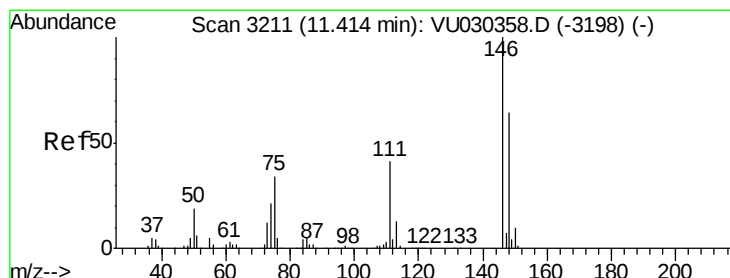
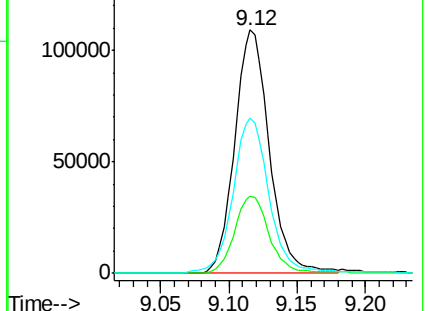
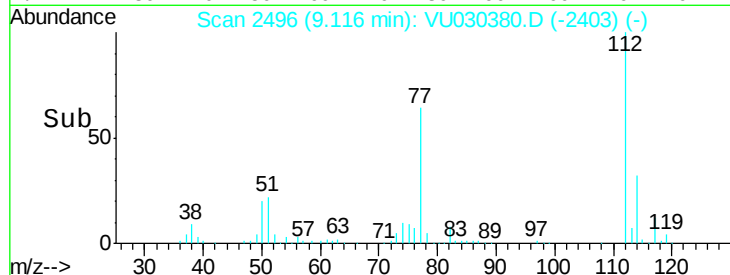
77 63.7 51.4 77.0



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): V



#62

1,3-Dichlorobenzene

Concen: 4.260 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030380.D

Acq: 24 Mar 2019 18:59

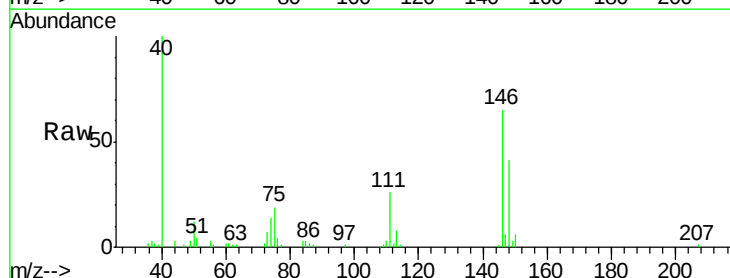
Tgt Ion:146 Resp: 21815

Ion Ratio Lower Upper

146 100

111 39.9 29.2 54.2

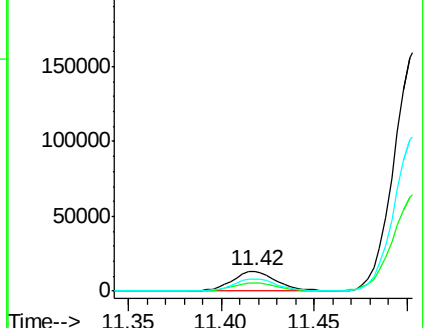
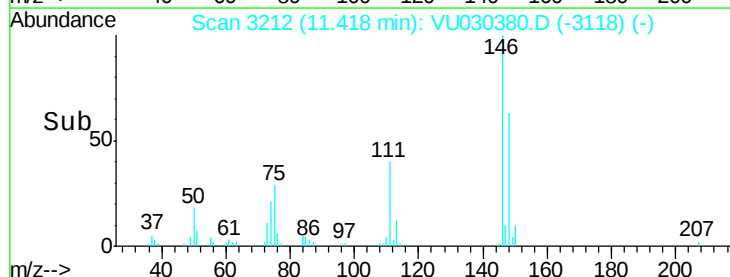
148 63.0 44.4 82.4

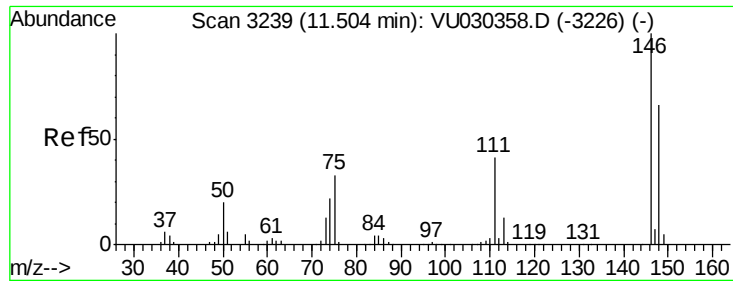


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

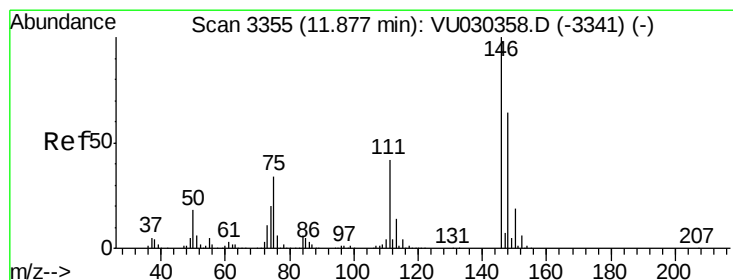
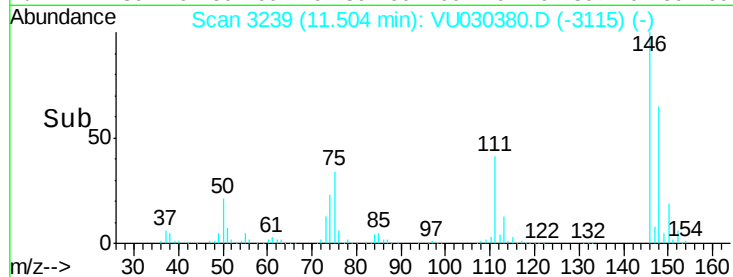
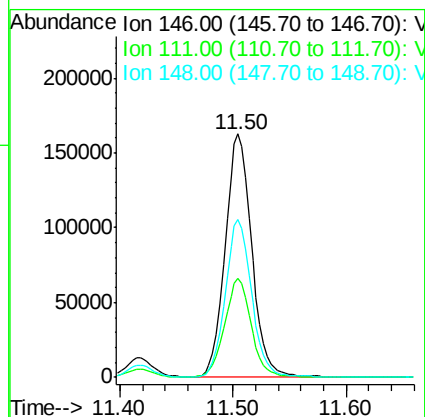
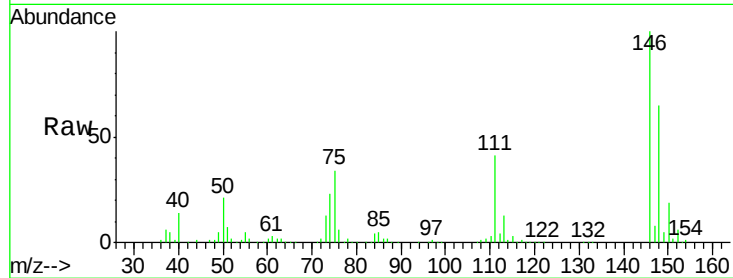




#63
 1,4-Dichlorobenzene
 Concen: 50.109 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030380.D
 Acq: 24 Mar 2019 18:59

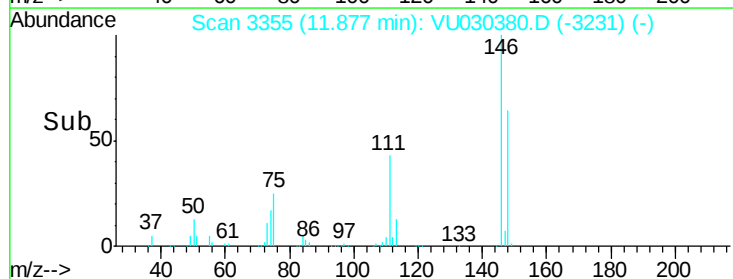
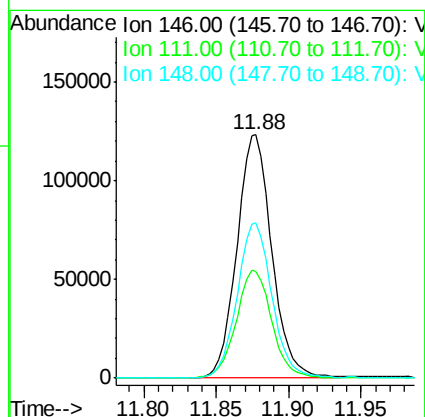
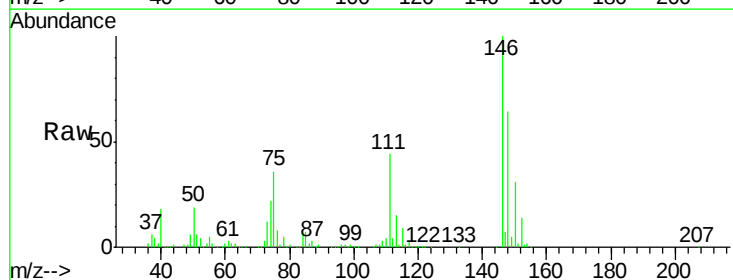
Instrument :
 MSVOA_U
 ClientSampled :
 C09E5

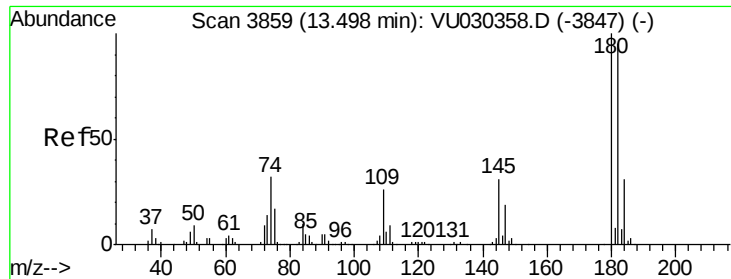
Tot Ion:146 Resp: 264139
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.7 53.3
 148 64.7 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 39.930 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030380.D
 Acq: 24 Mar 2019 18:59

Tgt Ion:146 Resp: 206735
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.9 52.3
 148 63.7 51.2 76.8

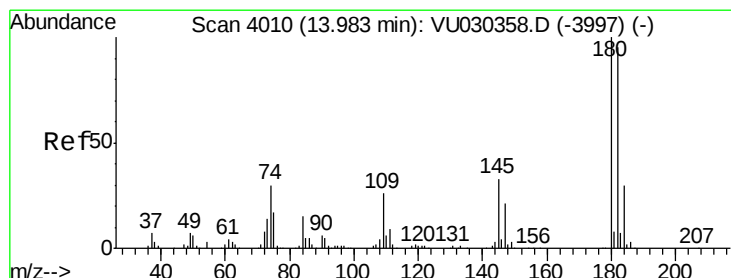
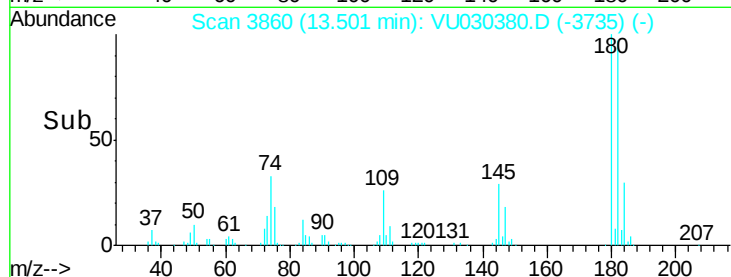
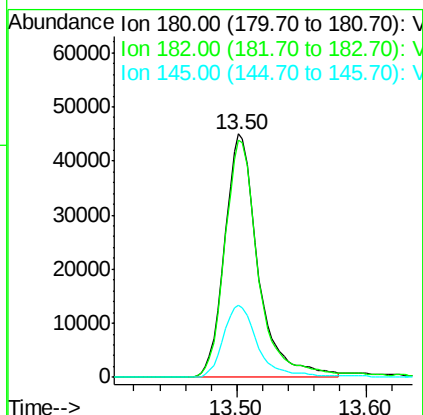
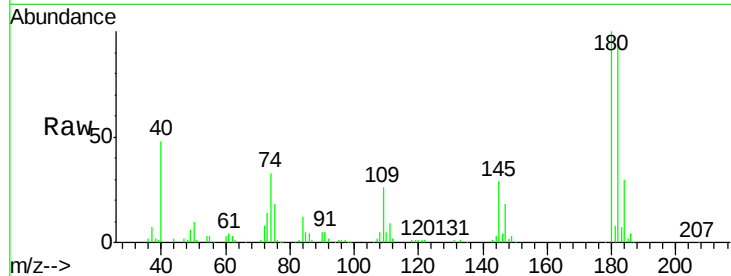




#68
 1,2,4-trichlorobenzene
 Concen: 24.323 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030380.D
 Acq: 24 Mar 2019 18:59

Instrument :
 MSVOA_U
 ClientSampleID :
 C09E5

Tot Ion:180 Resp: 81011
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.1 114.1
 145 30.5 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 6.744 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030380.D
 Acq: 24 Mar 2019 18:59

Tgt Ion:180 Resp: 23720
 Ion Ratio Lower Upper
 180 100
 182 94.1 77.4 116.2
 145 33.7 25.9 38.9

