

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030243.D
 Acq On : 20 Mar 2019 23:12
 Operator : JC/SP
 Sample : K2022-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D2

Quant Time: Mar 22 02:56:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:27:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	544735	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	521933	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	248817	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	150769	40.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.86%
7) Chloroethane-d5	1.68	69	128271	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.10%
11) 1,1-Dichloroethene-d2	2.27	63	211630	31.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.98%
21) 2-Butanone-d5	4.17	46	271663	99.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.42%
24) Chloroform-d	4.65	84	307162	45.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.88%
26) 1,2-Dichloroethane-d4	5.31	65	180820	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
32) Benzene-d6	5.34	84	643331	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
36) 1,2-Dichloropropane-d6	6.33	67	206817	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.20%
41) Toluene-d8	7.56	98	583962	45.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.32%
43) trans-1,3-Dichloropropene-	7.85	79	92915	44.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.68%
47) 2-Hexanone-d5	8.31	63	214820	97.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	308773	47.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	242199	48.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.96%

Target Compounds

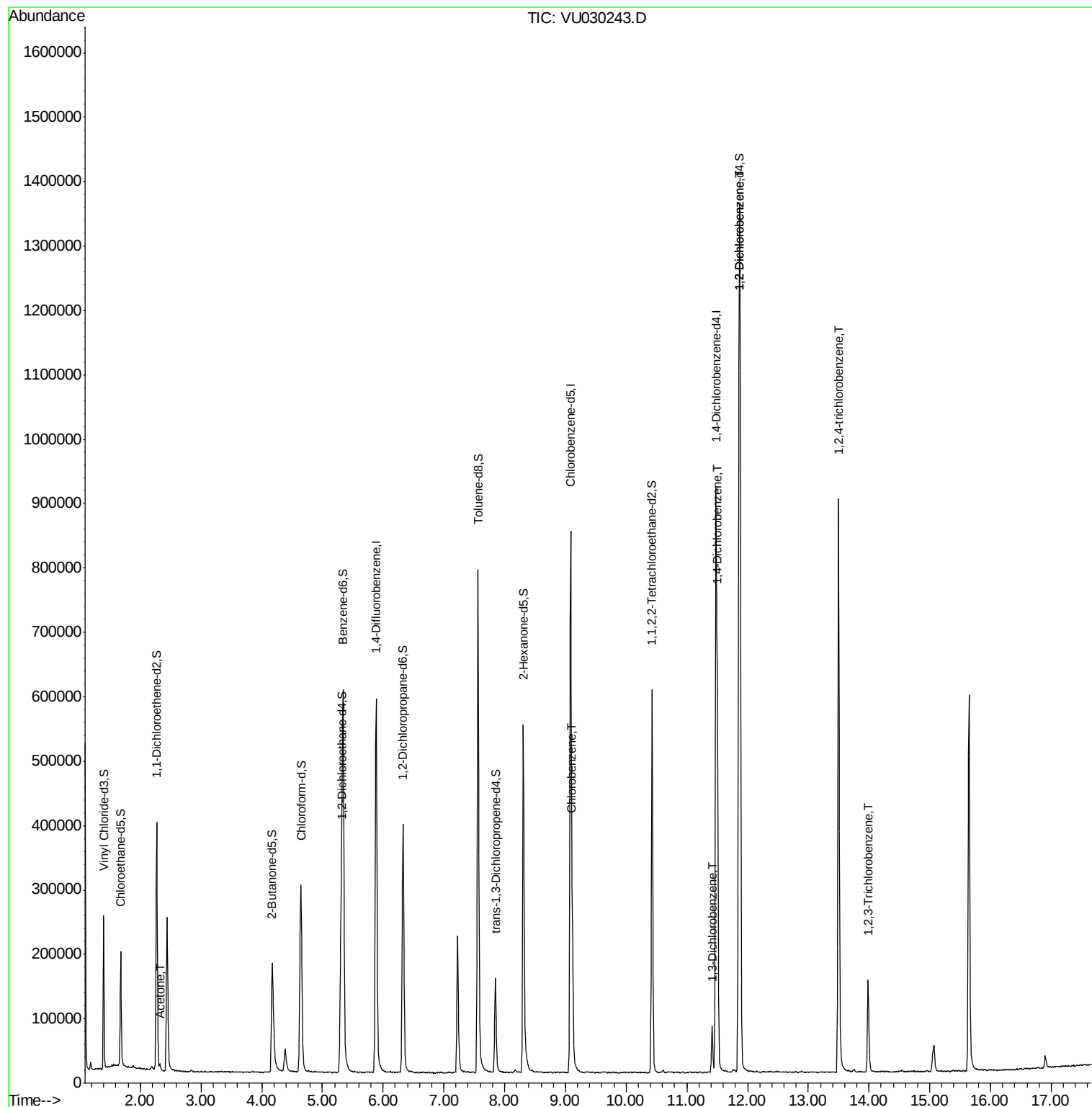
					Ovalue
13) Acetone	2.32	43	8557	2.997	ug/L 100
51) Chlorobenzene	9.12	112	117256	10.813	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	34193	4.307	ug/L 97
63) 1,4-Dichlorobenzene	11.50	146	234240	28.447	ug/L 99
65) 1,2-Dichlorobenzene	11.87	146	506251	62.418	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	315562	57.517	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	54384	9.500	ug/L 100

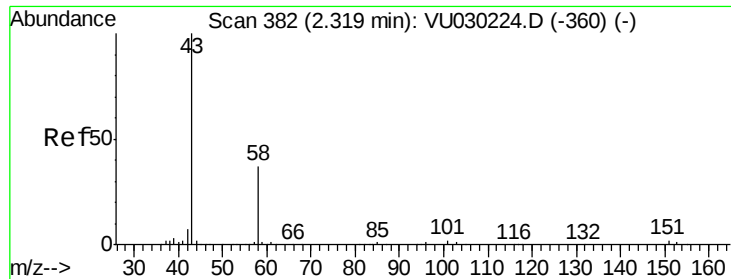
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 22 01:27:23 2019
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#13

Acetone

Concen: 2.997 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030243.D

Acq: 20 Mar 2019 23:12

Instrument :

MSVOA_U

ClientSampled :

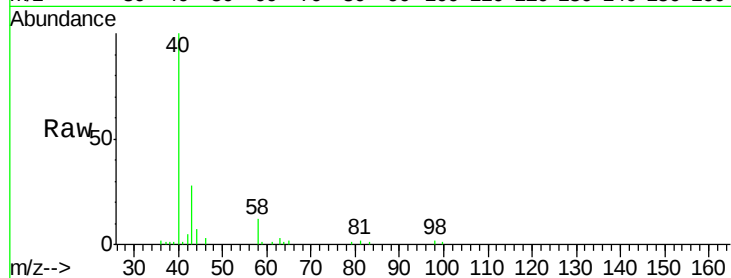
C09D2

Tot Ion: 43 Resp: 8557

Ion Ratio Lower Upper

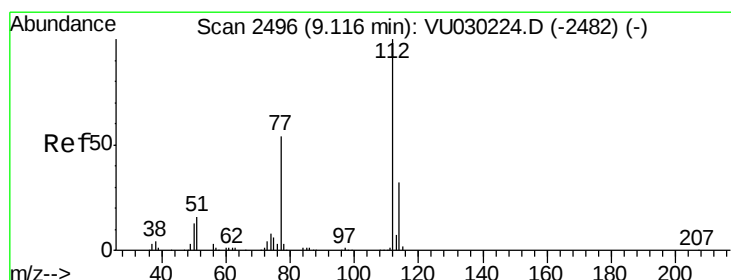
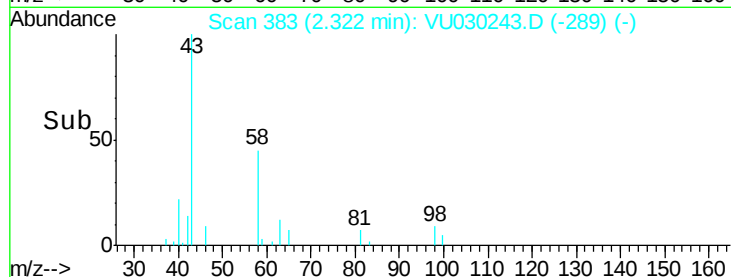
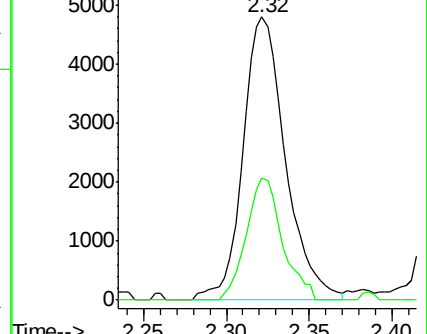
43 100

58 36.4 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU030224.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU030224.D (-360) (-)



#51

Chlorobenzene

Concen: 10.813 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030243.D

Acq: 20 Mar 2019 23:12

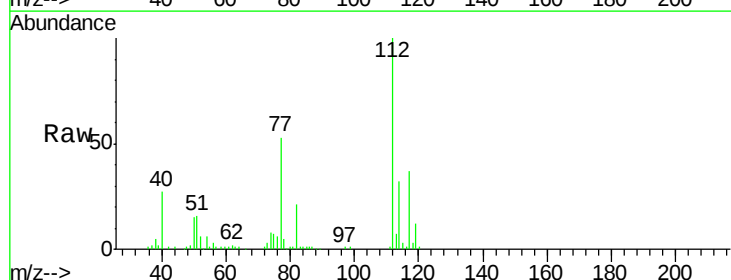
Tgt Ion: 112 Resp: 117256

Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

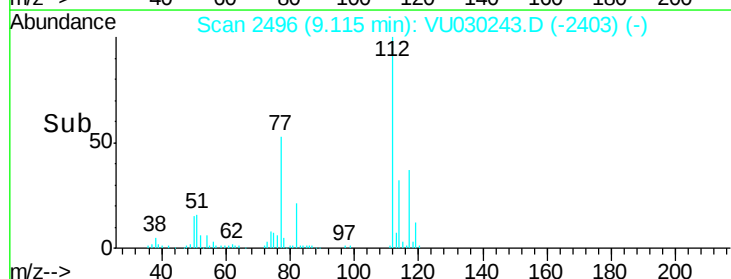
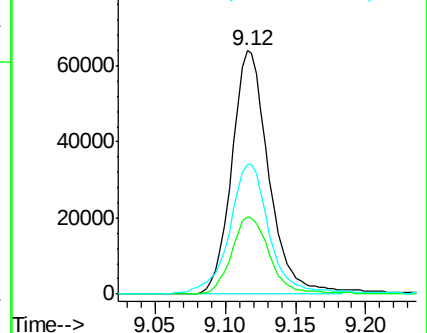
77 53.2 43.4 65.0

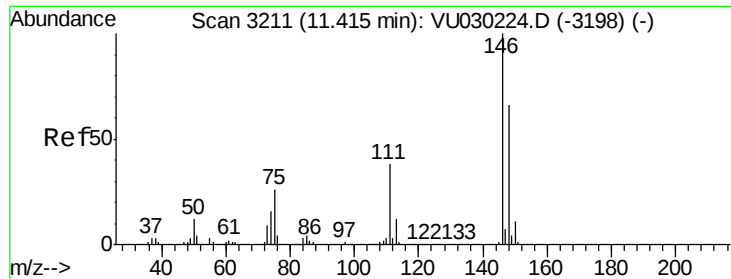


Abundance Ion 112.00 (111.70 to 112.70): VU030224.D (-2482) (-)

Ion 114.00 (113.70 to 114.70): VU030224.D (-2482) (-)

Ion 77.00 (76.70 to 77.70): VU030224.D (-2482) (-)





#62

1,3-Dichlorobenzene

Concen: 4.307 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030243.D

Acq: 20 Mar 2019 23:12

Instrument :

MSVOA_U

ClientSampleId :

C09D2

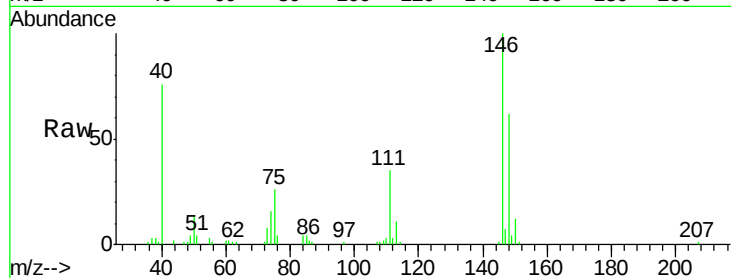
Tot Ion:146 Resp: 34193

Ion Ratio Lower Upper

146 100

111 35.4 27.2 50.4

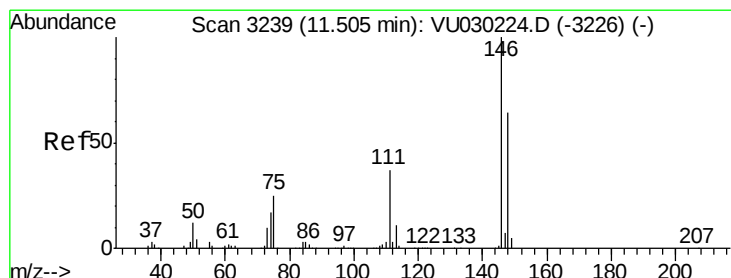
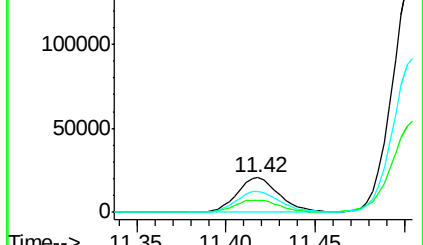
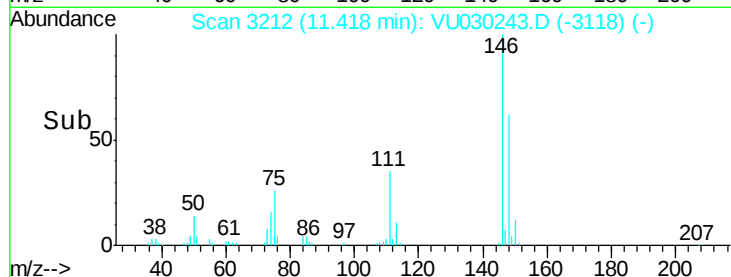
148 61.9 44.4 82.5



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: 28.447 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030243.D

Acq: 20 Mar 2019 23:12

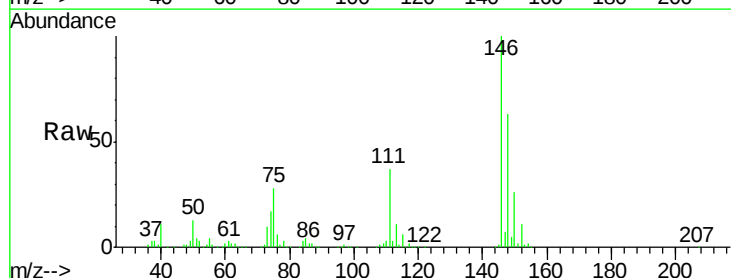
Tgt Ion:146 Resp: 234240

Ion Ratio Lower Upper

146 100

111 37.3 25.3 46.9

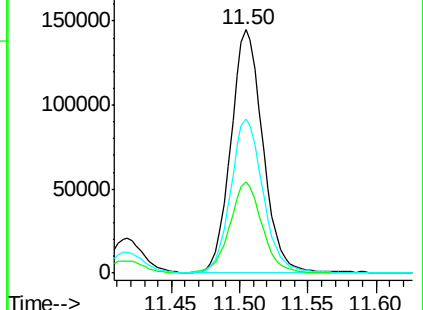
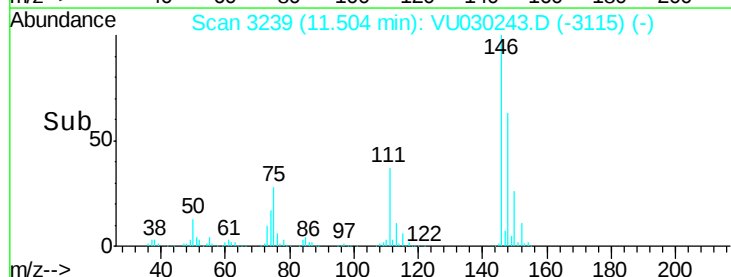
148 63.5 44.7 82.9

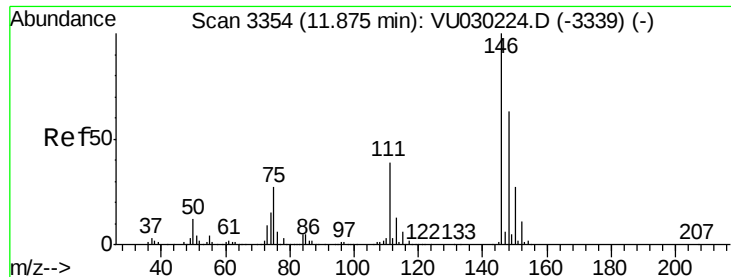


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

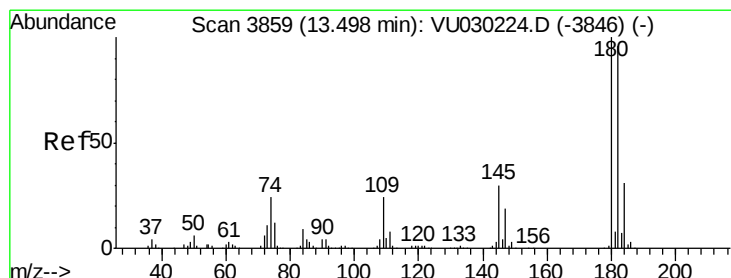
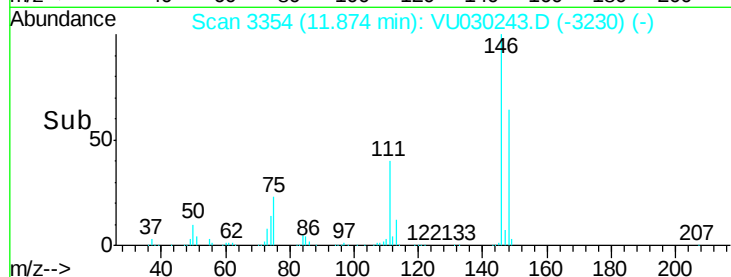
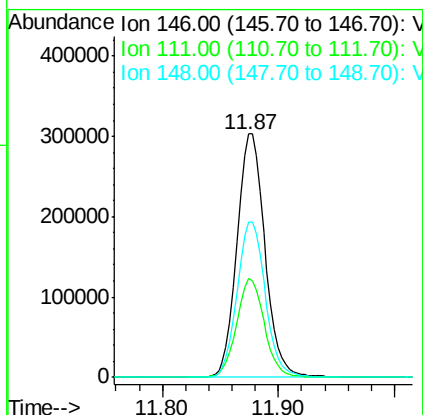
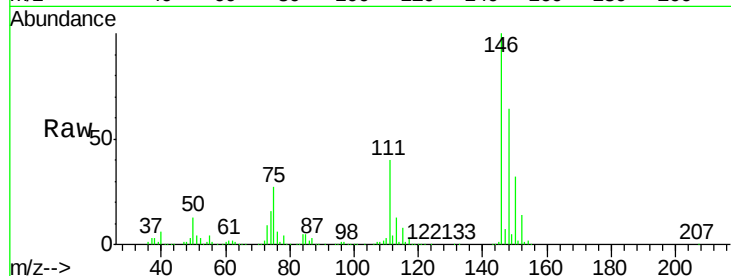




#65
 1,2-Dichlorobenzene
 Concen: 62.418 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030243.D
 Acq: 20 Mar 2019 23:12

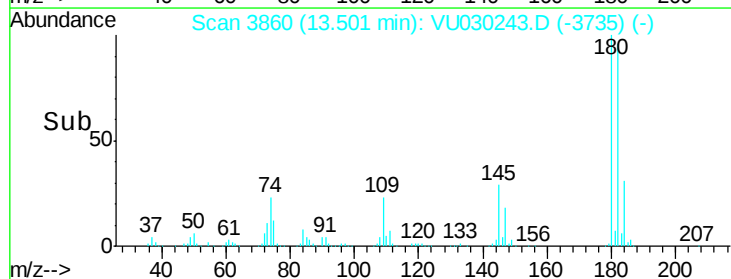
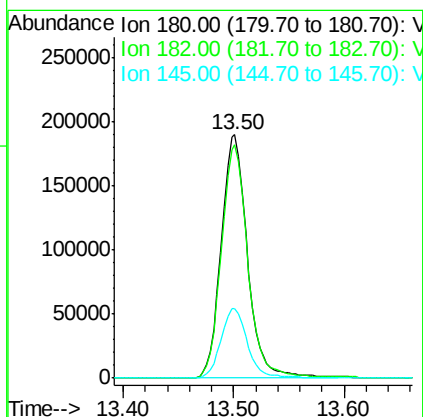
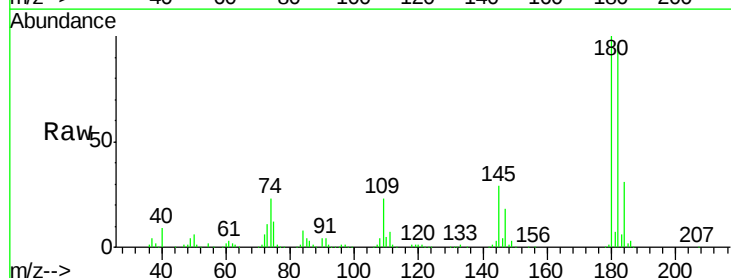
Instrument :
 MSVOA_U
 ClientSampled :
 C09D2

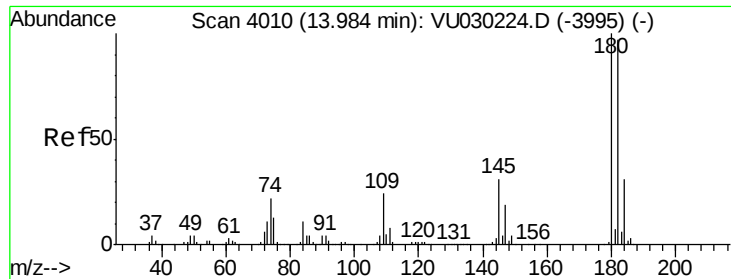
Tot Ion:146 Resp: 506251
 Ion Ratio Lower Upper
 146 100
 111 40.4 31.7 47.5
 148 63.9 52.0 78.0



#68
 1,2,4-trichlorobenzene
 Concen: 57.517 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030243.D
 Acq: 20 Mar 2019 23:12

Tgt Ion:180 Resp: 315562
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.4 114.6
 145 29.0 22.7 34.1

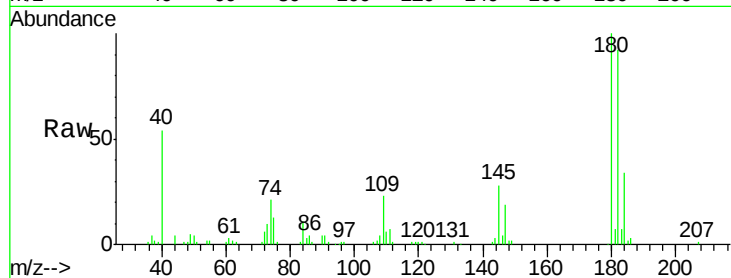




#70
 1,2,3-Trichlorobenzene
 Concen: 9.500 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030243.D
 Acq: 20 Mar 2019 23:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D2

Tot Ion:180 Resp: 54384
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.9 113.9
 145 30.3 24.1 36.1



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

