

Data File : VU030438.D
Acq On : 26 Mar 2019 12:47
Operator : JC/SP
Sample : K2070-18 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09F1

Quant Time: Mar 27 04:34:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	411109	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	392046	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	162338	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	195136	58.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	117.96%
7) Chloroethane-d5	1.68	69	154060	58.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.50%
11) 1,1-Dichloroethene-d2	2.27	63	271855	43.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.64%
21) 2-Butanone-d5	4.17	46	336826	108.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.30%
24) Chloroform-d	4.64	84	312660	54.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.70%
26) 1,2-Dichloroethane-d4	5.31	65	210911	56.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.08%
32) Benzene-d6	5.34	84	641306	57.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.08%
36) 1,2-Dichloropropane-d6	6.33	67	225422	58.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	117.20%
41) Toluene-d8	7.56	98	561632	55.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.24%
43) trans-1,3-Dichloropropene-	7.85	79	96916	53.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.16%
47) 2-Hexanone-d5	8.31	63	215128	103.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.21%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	295007	53.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	193775	59.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.14%

Target Compounds

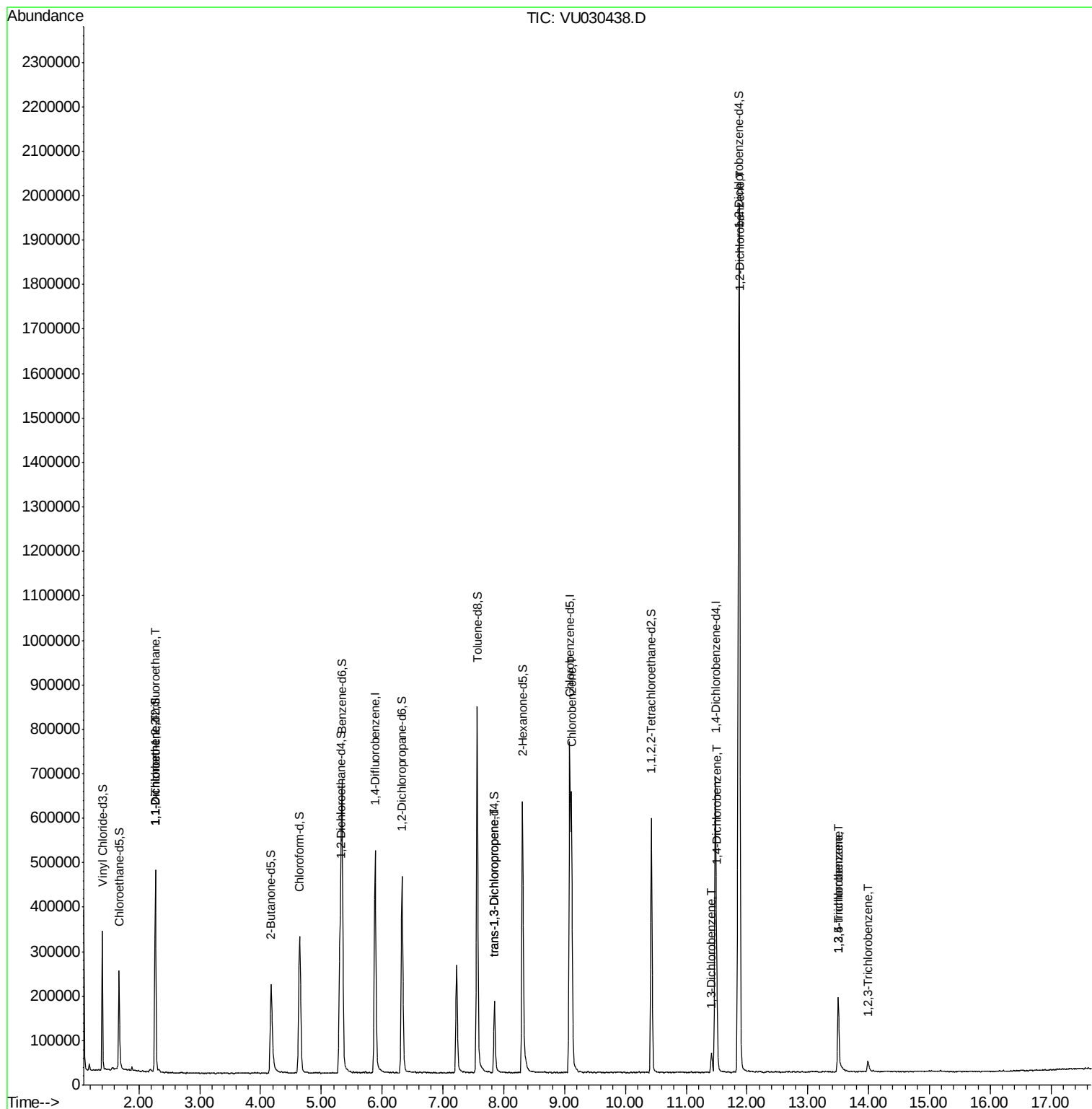
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2227	0.742 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1945	0.661 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	4073	0.850 ug/L	90
51) Chlorobenzene	9.12	112	308733	36.779 ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	18212	3.430 ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	68725	12.575 ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	685429	127.685 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	60540	15.233 ug/L	94
68) 1,2,4-trichlorobenzene	13.50	180	60540	17.531 ug/L	94
70) 1,2,3-Trichlorobenzene	13.99	180	9691	2.658 ug/L	92

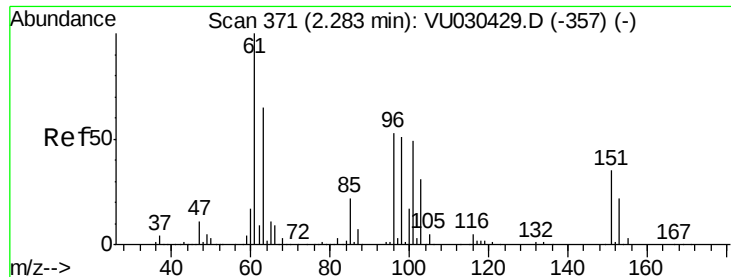
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.742 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030438.D

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Instrument :

MSVOA_U

ClientSampleId :

C09F1

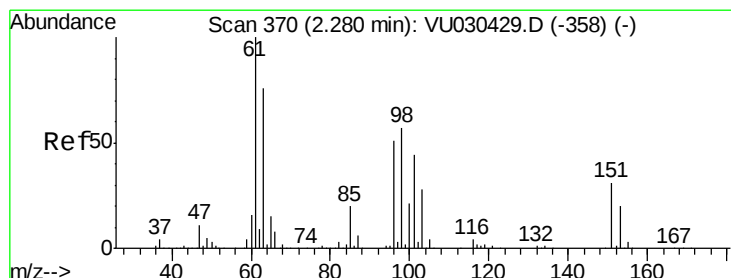
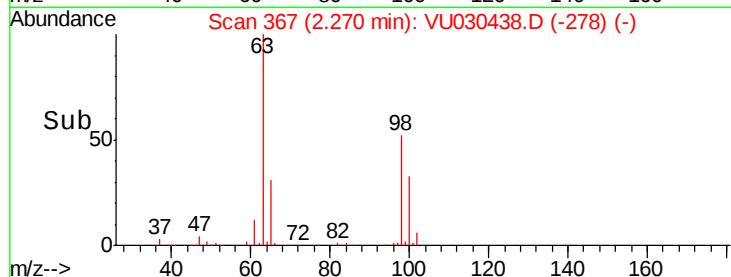
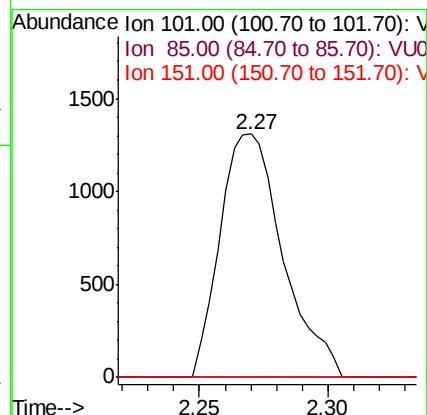
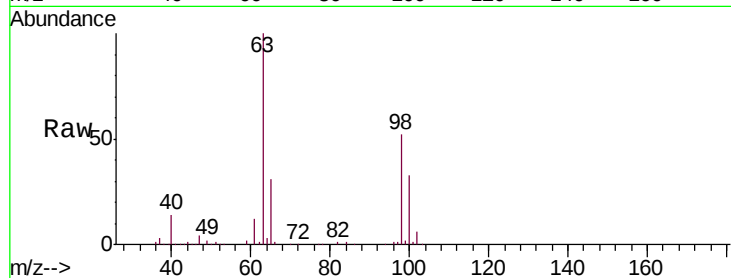
Tgt Ion: 101 Resp: 2227

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#



#12

1,1-Dichloroethene

Concen: 0.661 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030438.D

Acq: 26 Mar 2019 12:47

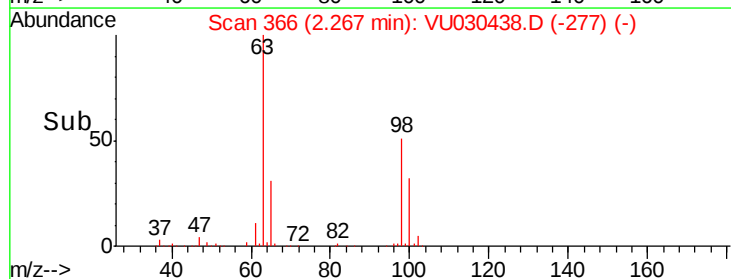
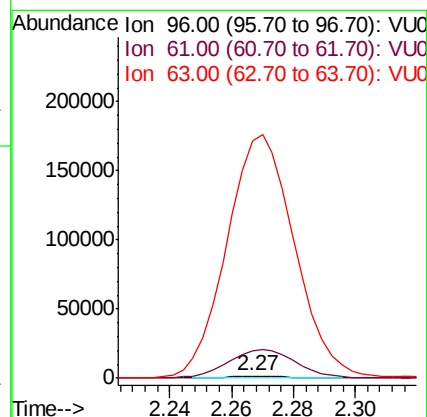
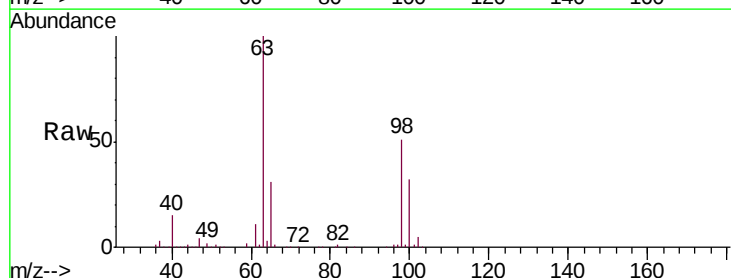
Tgt Ion: 96 Resp: 1945

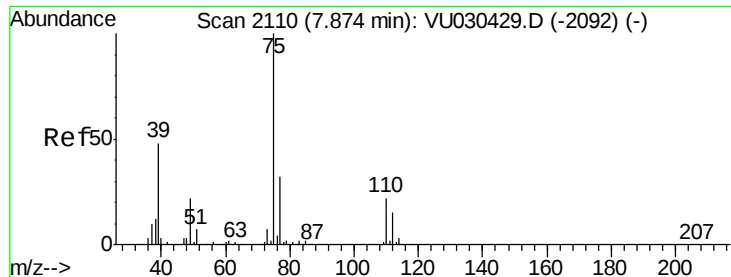
Ion Ratio Lower Upper

96 100

61 1392.4 131.0 243.4#

63 12123.0 92.4 171.6#

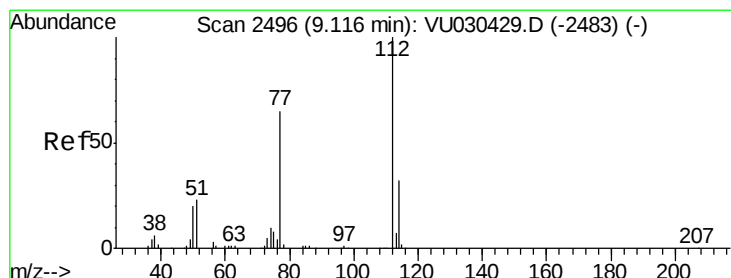
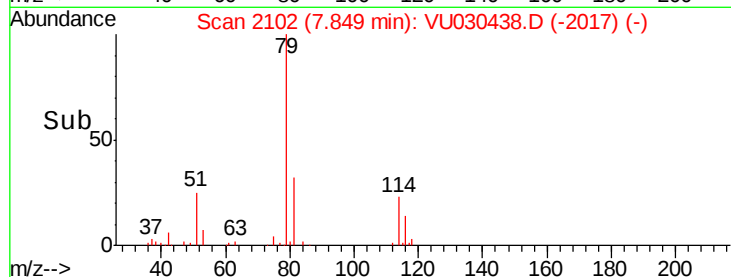
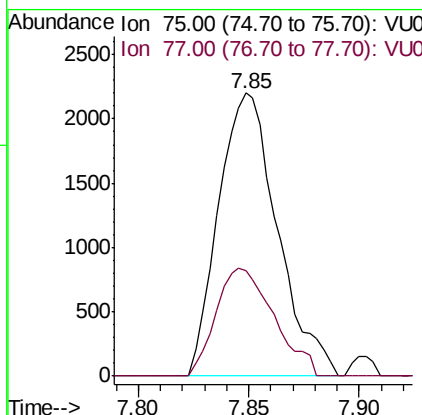
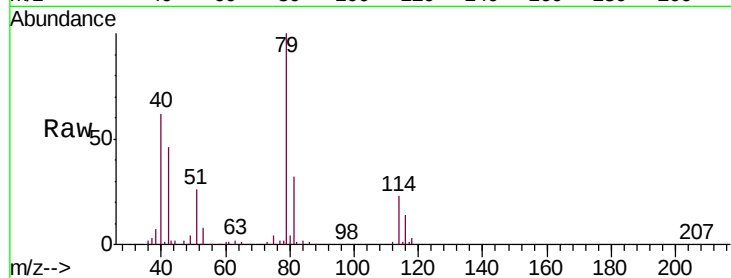




#44
trans-1,3-Dichloropropene
Concen: 0.850 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030438.D
Acq: 26 Mar 2019 12:47

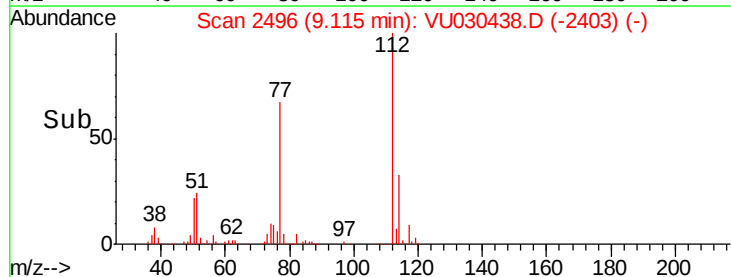
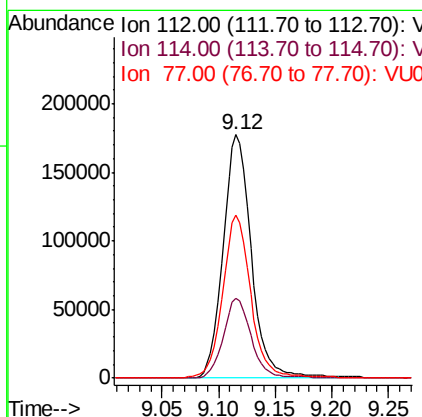
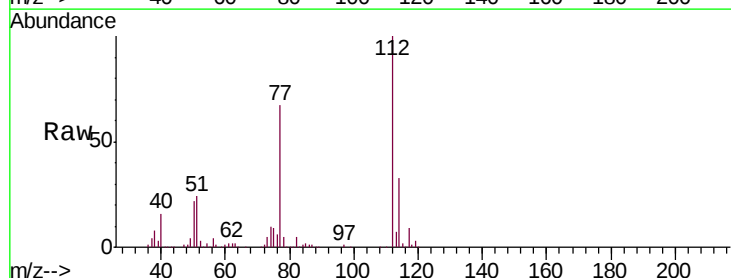
Instrument :
MSVOA_U
ClientSampleId :
C09F1

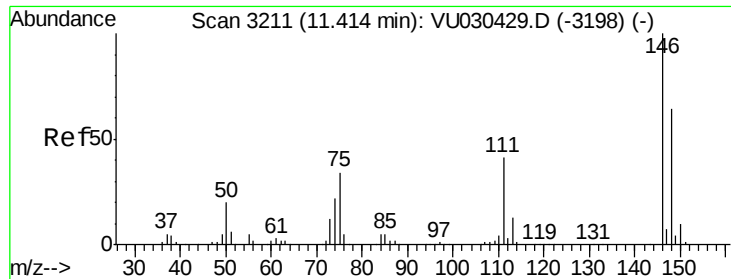
Tgt Ion: 75 Resp: 4073
Ion Ratio Lower Upper
75 100
77 37.2 22.0 40.8



#51
Chlorobenzene
Concen: 36.779 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030438.D
Acq: 26 Mar 2019 12:47

Tgt Ion: 112 Resp: 308733
Ion Ratio Lower Upper
112 100
114 32.9 21.5 39.9
77 66.8 51.4 77.0

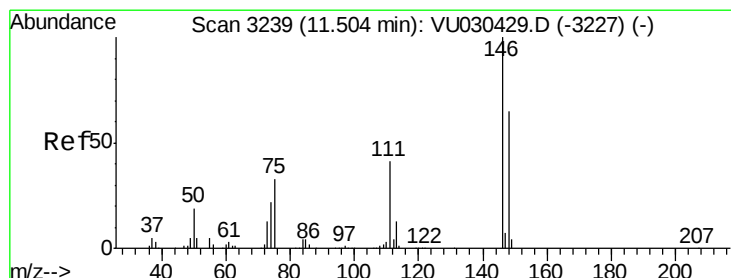
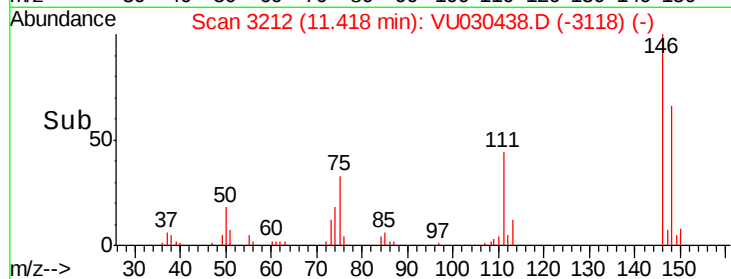
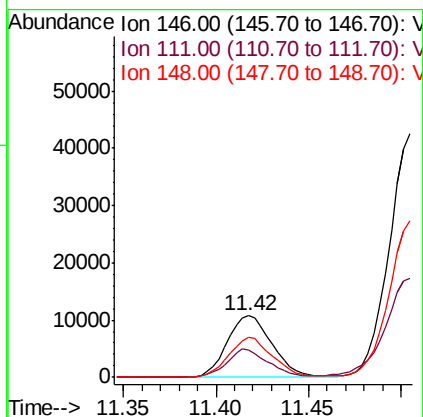
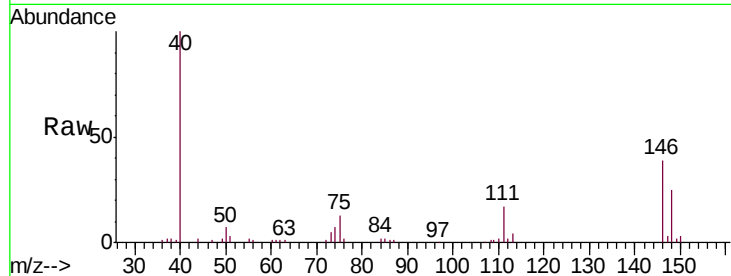




#62
 1,3-Dichlorobenzene
 Concen: 3.430 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030438.D
 Acq: 26 Mar 2019 12:47

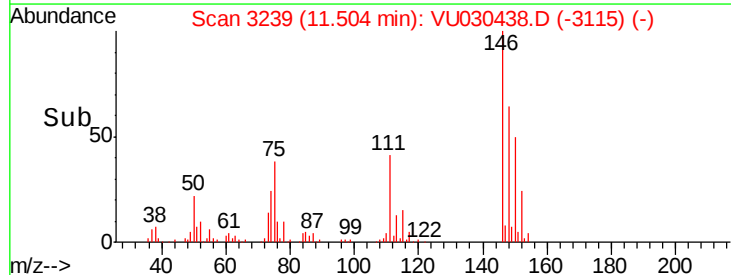
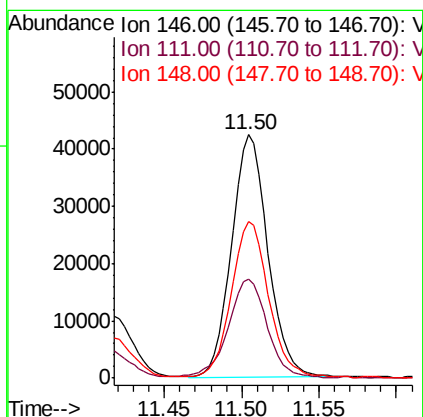
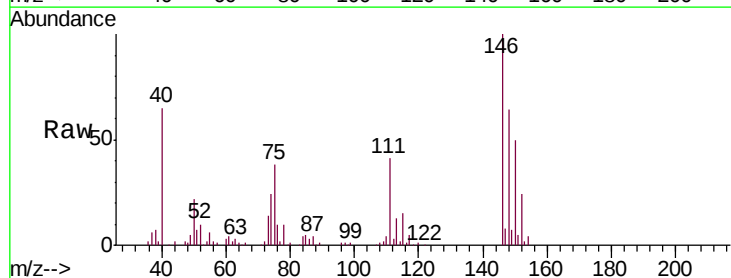
Instrument :
 MSVOA_U
 ClientSampleId :
 C09F1

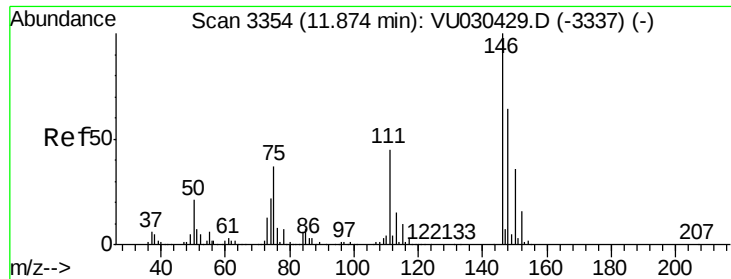
Tgt Ion:146 Resp: 18212
 Ion Ratio Lower Upper
 146 100
 111 44.4 29.2 54.2
 148 65.5 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 12.575 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030438.D
 Acq: 26 Mar 2019 12:47

Tgt Ion:146 Resp: 68725
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.7 53.3
 148 64.3 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 127.685 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030438.D

Acq: 26 Mar 2019 12:47

Instrument :

MSVOA_U

ClientSampled :

C09F1

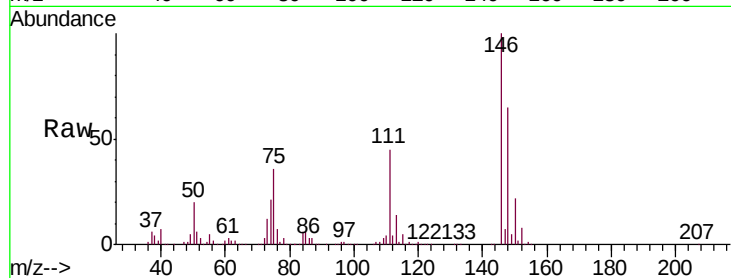
Tgt Ion:146 Resp: 685429

Ion Ratio Lower Upper

146 100

111 44.5 34.9 52.3

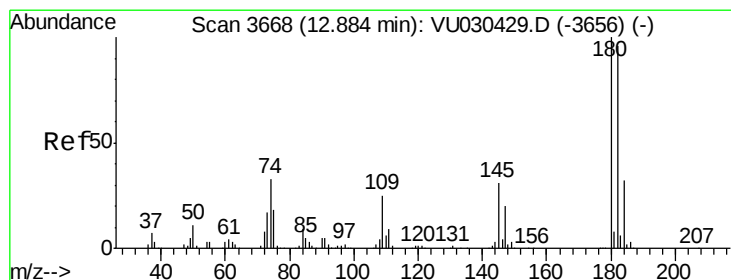
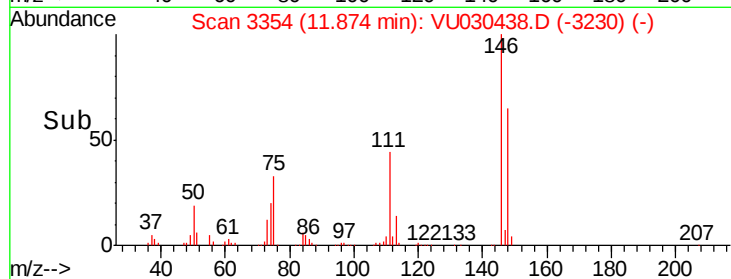
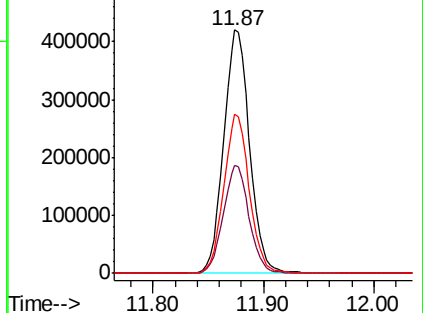
148 65.2 51.2 76.8



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



#67

1,3,5-Trichlorobenzene

Concen: 15.233 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.62 min

Lab File: VU030438.D

Acq: 26 Mar 2019 12:47

Tgt Ion:180 Resp: 60540

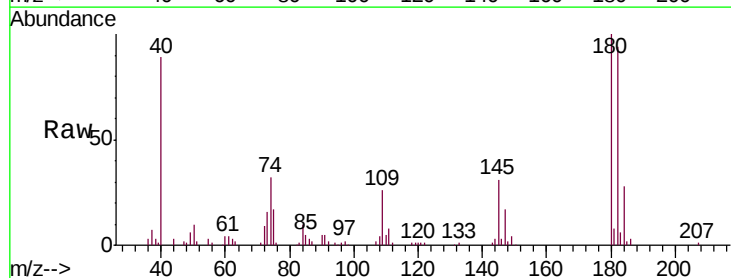
Ion Ratio Lower Upper

180 100

182 87.8 75.9 113.9

184 25.6 24.1 36.1

145 29.4 23.8 35.8

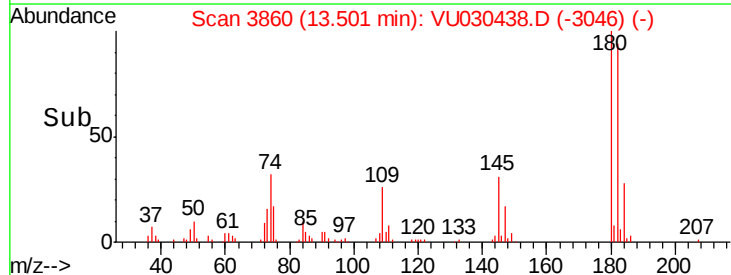
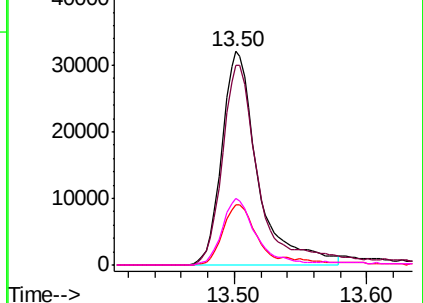


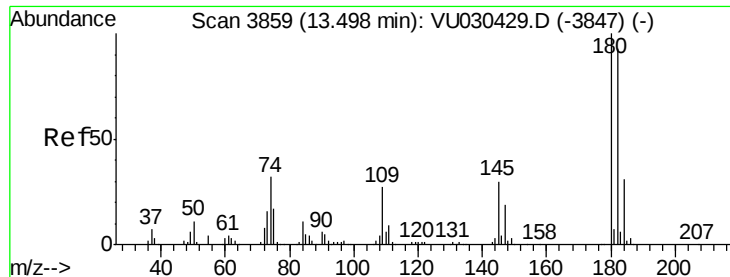
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

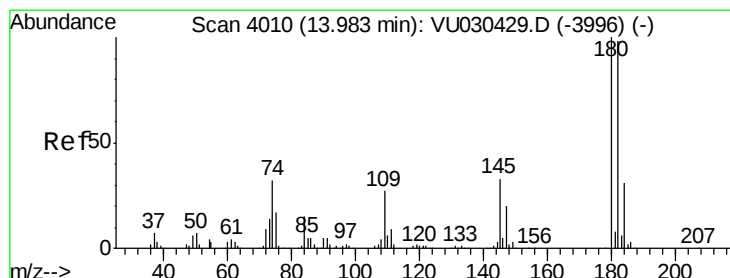
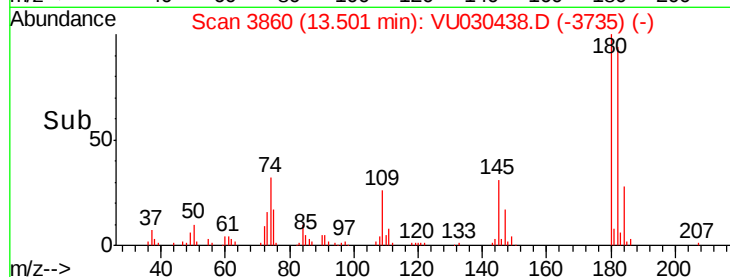
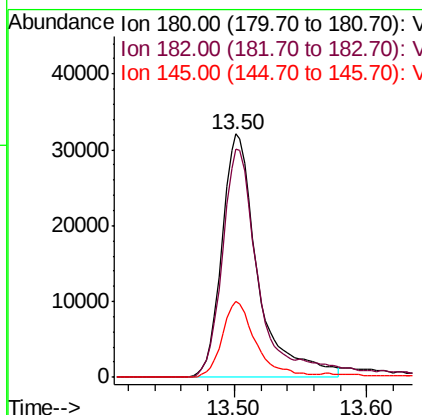
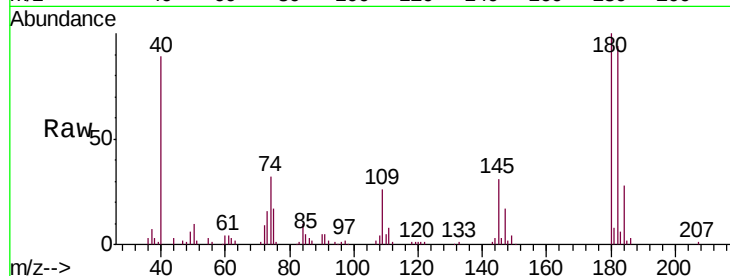




#68
 1,2,4-trichlorobenzene
 Concen: 17.531 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030438.D
 Acq: 26 Mar 2019 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F1

Tgt Ion:180 Resp: 60540
 Ion Ratio Lower Upper
 180 100
 182 87.8 76.1 114.1
 145 29.4 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 2.658 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030438.D
 Acq: 26 Mar 2019 12:47

Tgt Ion:180 Resp: 9691
 Ion Ratio Lower Upper
 180 100
 182 107.2 77.4 116.2
 145 31.7 25.9 38.9

