

Data File : VU030381.D
Acq On : 24 Mar 2019 19:23
Operator : JC/SP
Sample : K2062-07DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1A2

Quant Time: Mar 25 03:27:38 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	410069	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	369029	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	147764	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	137872	41.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.56%
7) Chloroethane-d5	1.67	69	120233	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.92%
11) 1,1-Dichloroethene-d2	2.27	63	198046	31.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.28%
21) 2-Butanone-d5	4.17	46	286058	92.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.21%
24) Chloroform-d	4.64	84	254312	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.46%
26) 1,2-Dichloroethane-d4	5.31	65	176394	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.82%
32) Benzene-d6	5.34	84	534708	50.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.06%
36) 1,2-Dichloropropane-d6	6.33	67	189621	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.74%
41) Toluene-d8	7.56	98	451656	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%
43) trans-1,3-Dichloropropene-	7.85	79	74263	43.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.24%
47) 2-Hexanone-d5	8.31	63	197816	100.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	251130	48.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	149809	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

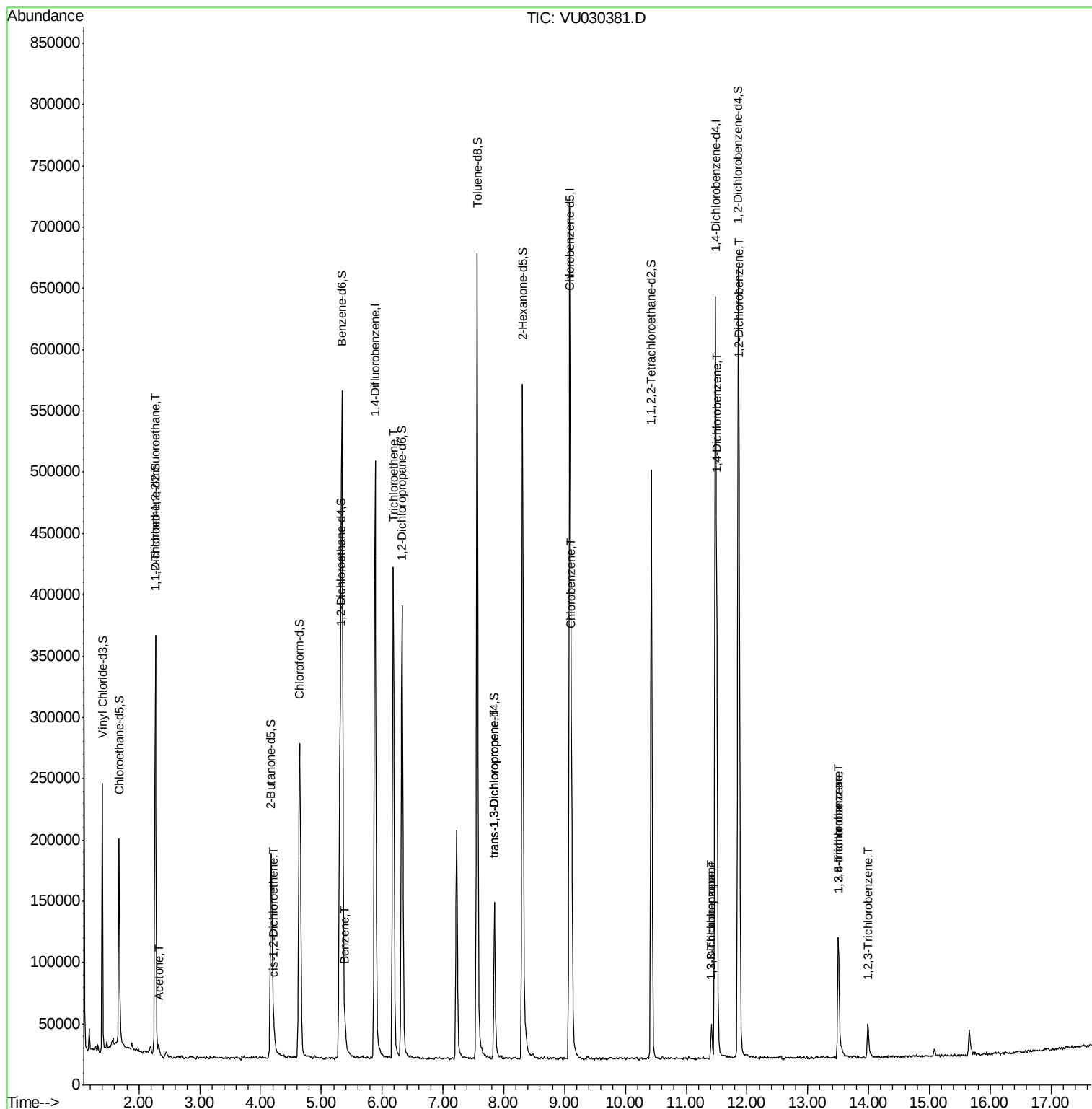
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1843	0.616	ug/L #	22
13) Acetone	2.32	43	4943	1.576	ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	2949	0.854	ug/L	86
33) Benzene	5.39	78	19505	1.553	ug/L	100
34) Trichloroethene	6.18	95	147376	47.723	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	2750	0.610	ug/L	88
51) Chlorobenzene	9.12	112	125161	15.840	ug/L	97
59) 1,2,3-Trichloropropane	11.42	75	3947	0.910	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	10926	2.261	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	129849	26.102	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	109433	22.396	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	35456	9.801	ug/L	92
68) 1,2,4-trichlorobenzene	13.50	180	35456	11.280	ug/L	91
70) 1,2,3-Trichlorobenzene	13.99	180	11427	3.443	ug/L	93

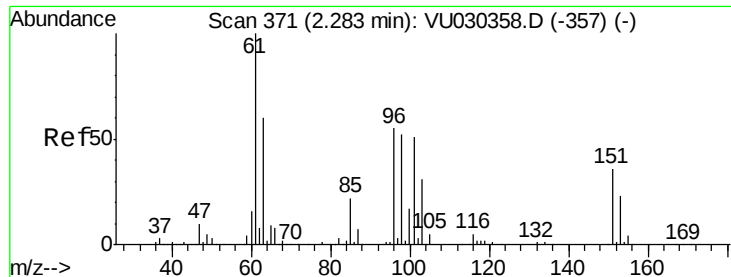
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.616 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030381.D

Acq: 24 Mar 2019 19:23

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MSVOA_U

ClientSampleId :

BF1A2

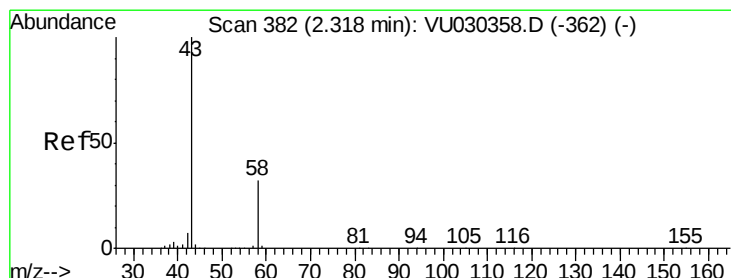
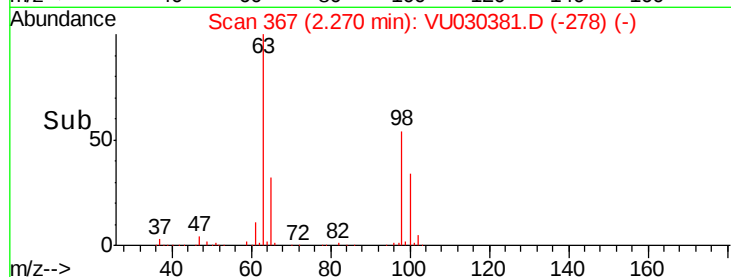
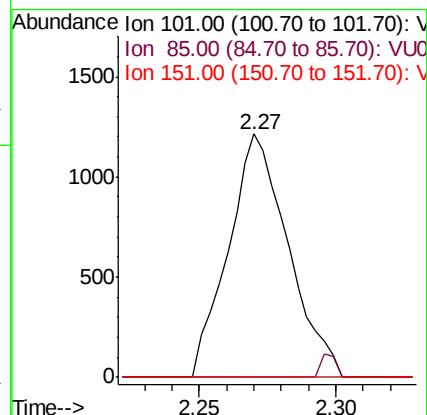
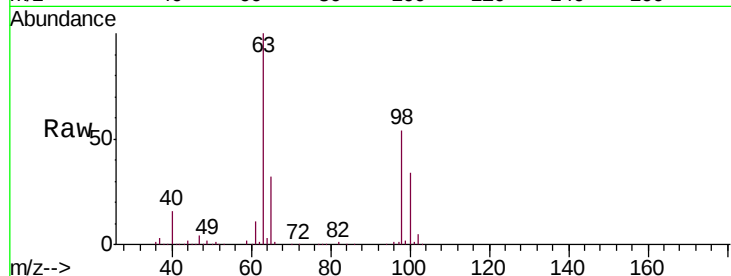
Tgt Ion: 101 Resp: 1843

Ion Ratio Lower Upper

101 100

85 2.3 34.8 52.2#

151 0.0 56.6 85.0#



#13

Acetone

Concen: 1.576 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030381.D

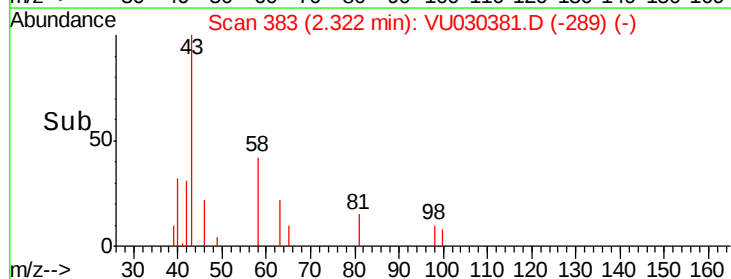
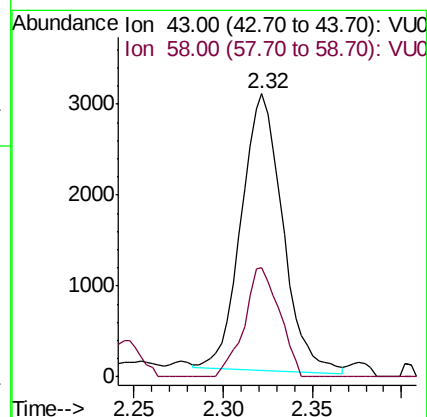
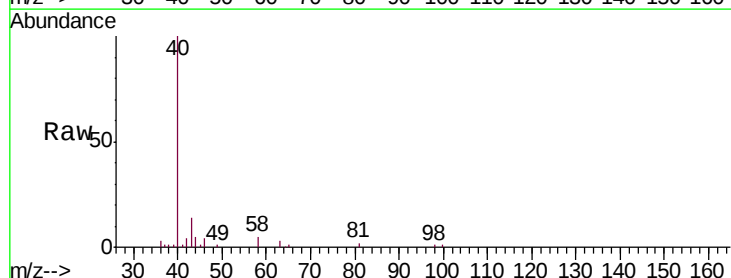
Acq: 24 Mar 2019 19:23

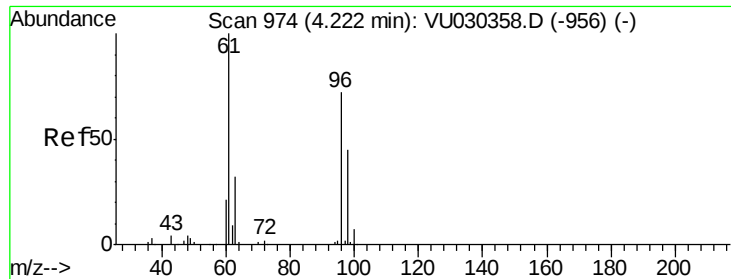
Tgt Ion: 43 Resp: 4943

Ion Ratio Lower Upper

43 100

58 33.6 0.0 62.8

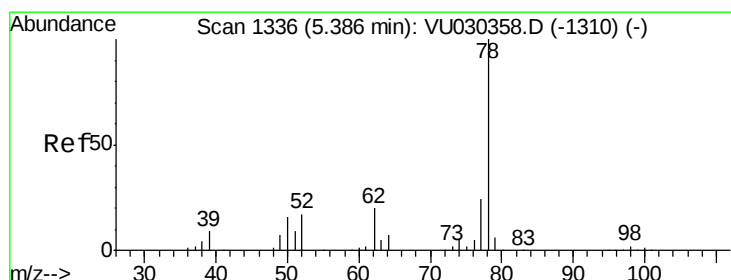
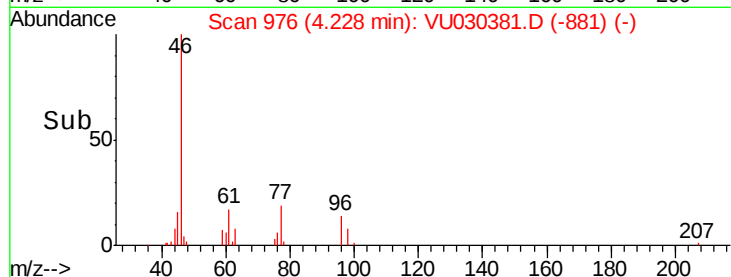
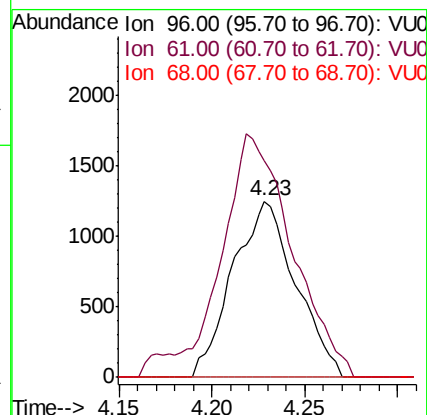
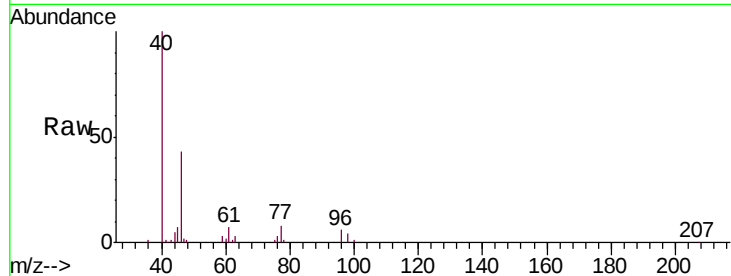




#20
 cis-1,2-Dichloroethene
 Concen: 0.854 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU030381.D
 Acq: 24 Mar 2019 19:23

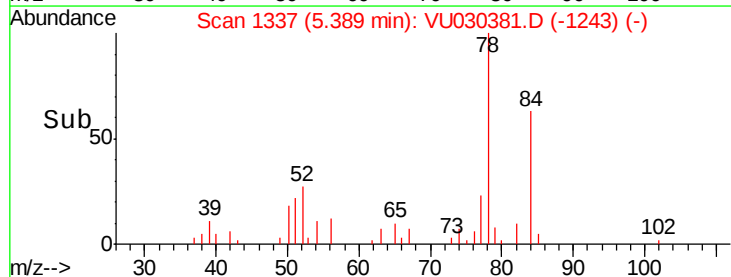
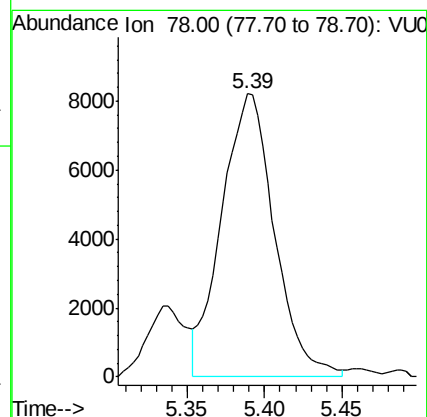
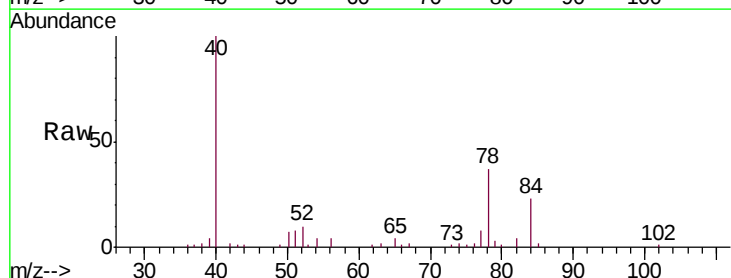
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1A2

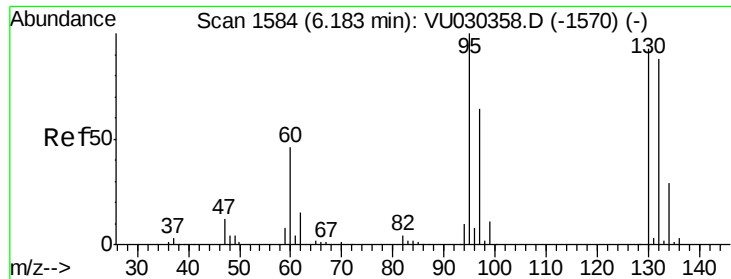
Tgt Ion: 96 Resp: 2949
 Ion Ratio Lower Upper
 96 100
 61 123.2 98.4 182.8
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 1.553 ug/L
 RT: 5.39 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU030381.D
 Acq: 24 Mar 2019 19:23

Tgt Ion: 78 Resp: 19505

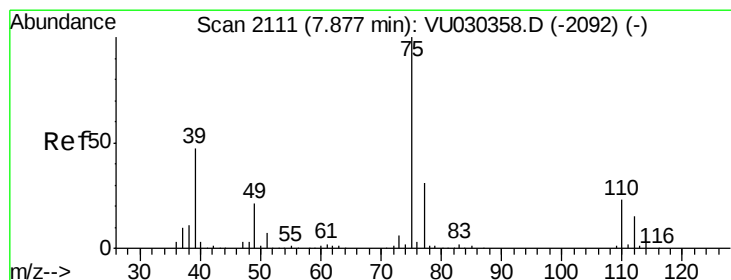
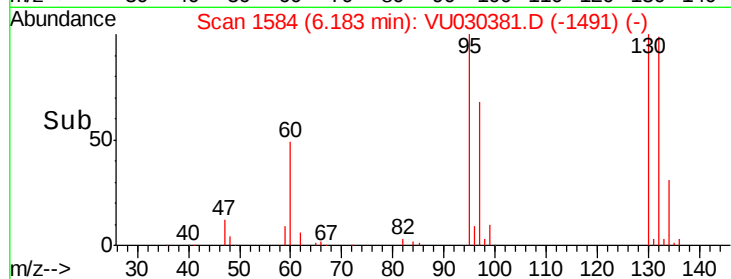
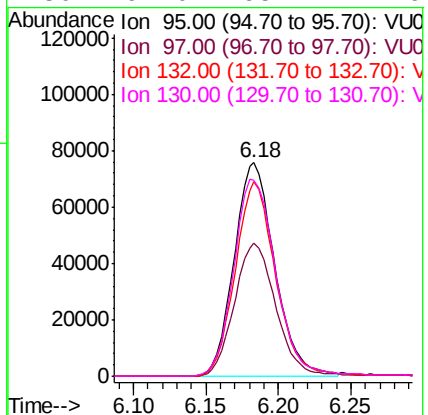
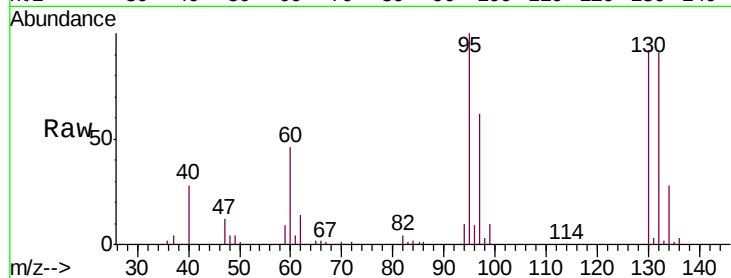




#34
 Trichloroethene
 Concen: 47.723 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030381.D
 Acq: 24 Mar 2019 19:23

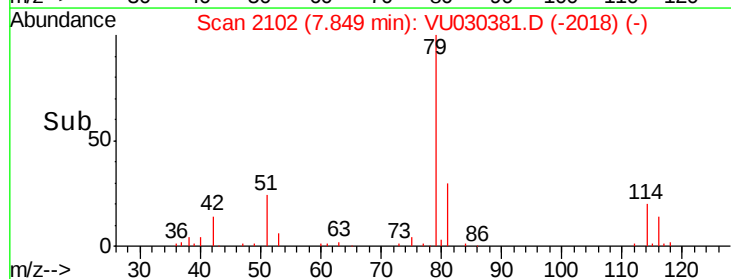
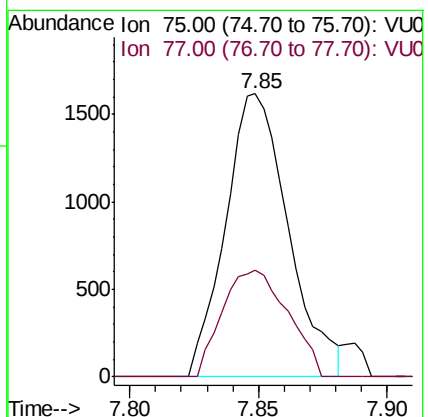
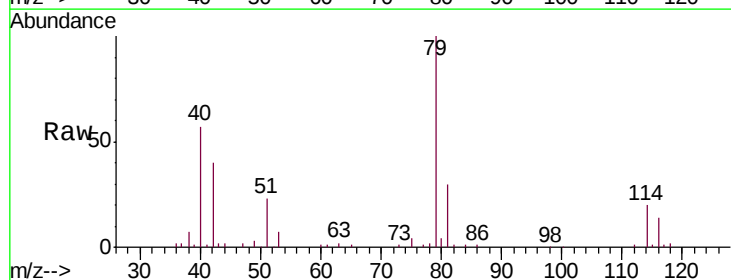
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1A2

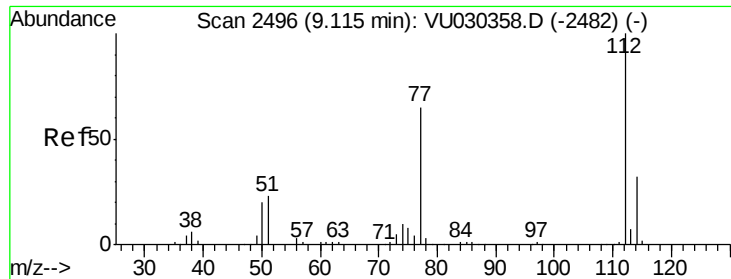
Tgt Ion: 95 Resp: 147376
 Ion Ratio Lower Upper
 95 100
 97 62.1 45.7 84.9
 132 90.8 63.8 118.4
 130 92.0 65.7 121.9



#44
 trans-1,3-Dichloropropene
 Concen: 0.610 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU030381.D
 Acq: 24 Mar 2019 19:23

Tgt Ion: 75 Resp: 2750
 Ion Ratio Lower Upper
 75 100
 77 37.9 22.0 40.8





#51

Chlorobenzene

Concen: 15.840 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030381.D

Acq: 24 Mar 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

BF1A2

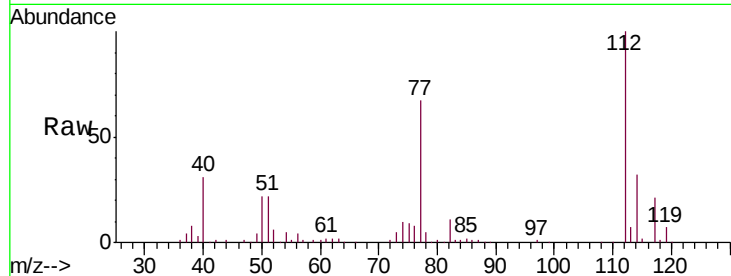
Tgt Ion: 112 Resp: 125161

Ion Ratio Lower Upper

112 100

114 32.3 21.5 39.9

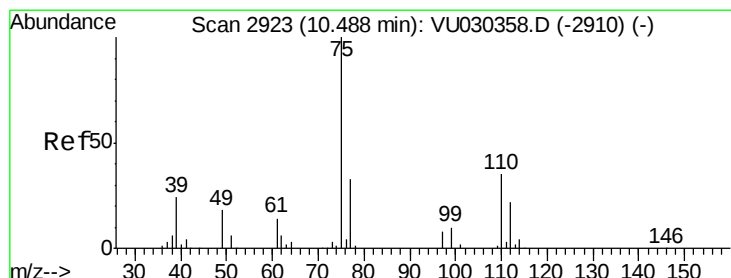
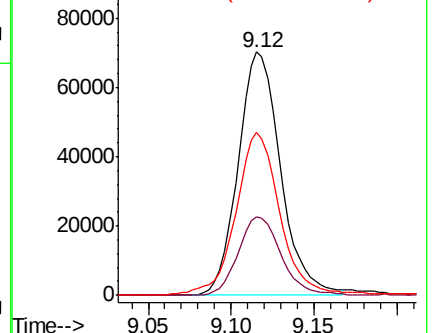
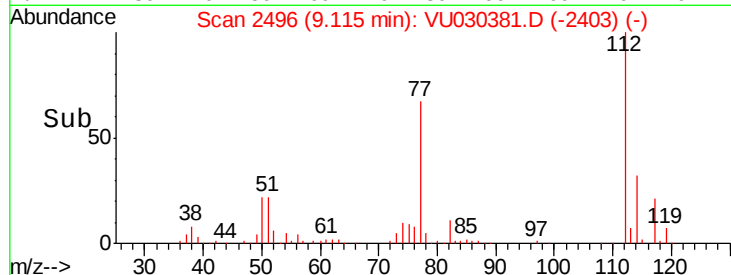
77 66.7 51.4 77.0



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.910 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.93 min

Lab File: VU030381.D

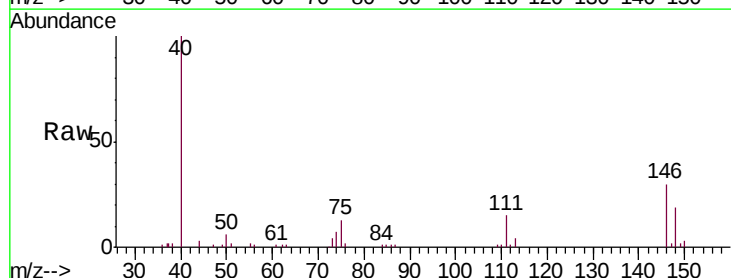
Acq: 24 Mar 2019 19:23

Tgt Ion: 75 Resp: 3947

Ion Ratio Lower Upper

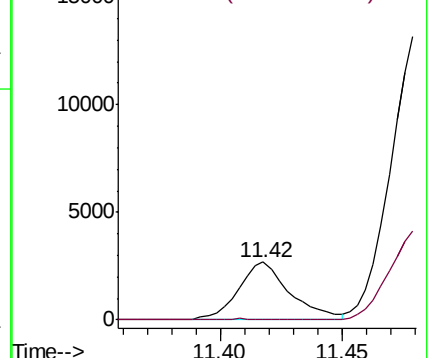
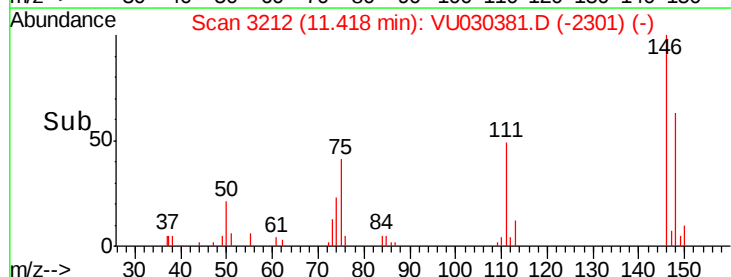
75 100

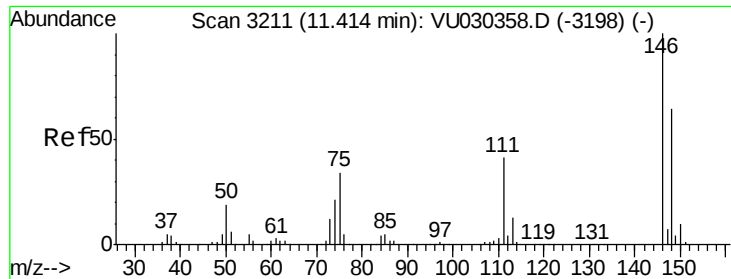
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

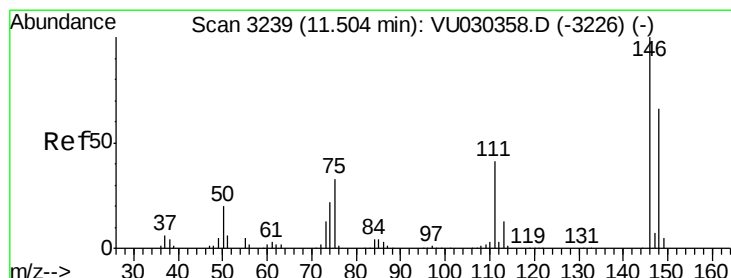
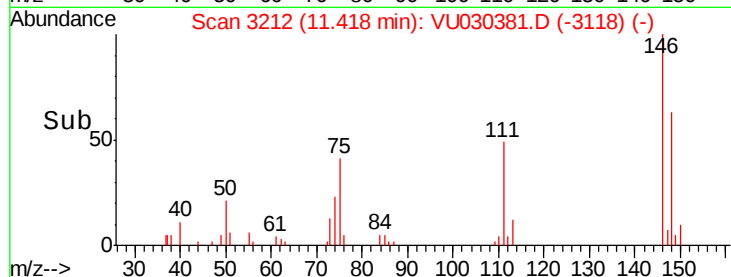
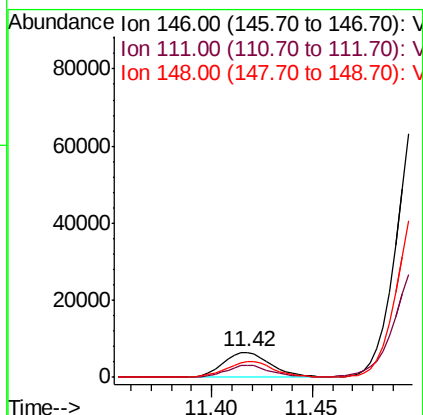
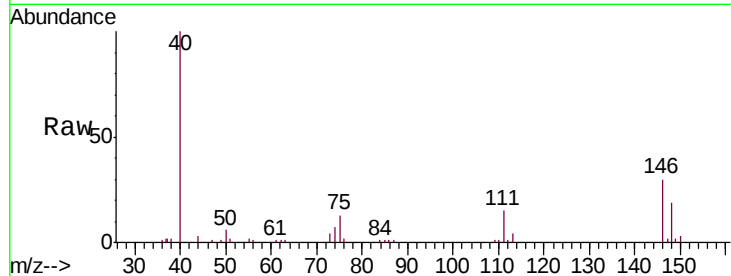




#62
 1,3-Dichlorobenzene
 Concen: 2.261 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030381.D
 Acq: 24 Mar 2019 19:23

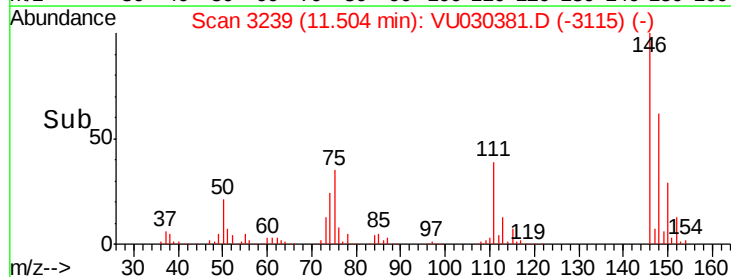
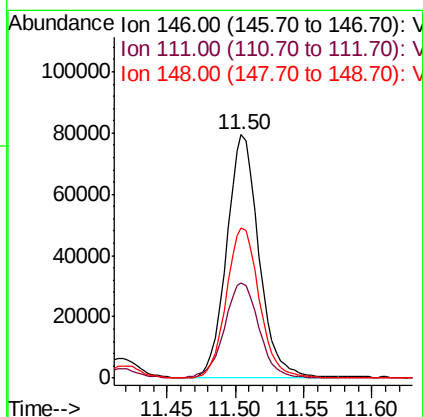
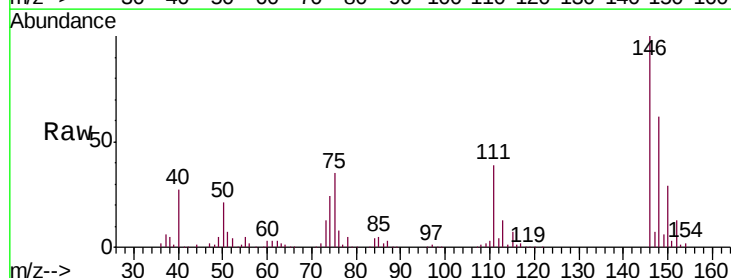
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1A2

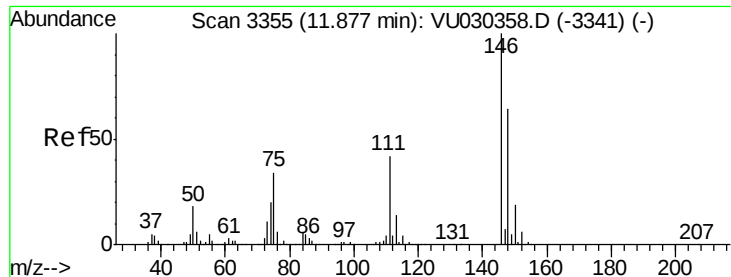
Tgt Ion:146 Resp: 10926
 Ion Ratio Lower Upper
 146 100
 111 49.5 29.2 54.2
 148 63.0 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 26.102 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030381.D
 Acq: 24 Mar 2019 19:23

Tgt Ion:146 Resp: 129849
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.7 53.3
 148 61.7 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 22.396 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030381.D

Acq: 24 Mar 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

BF1A2

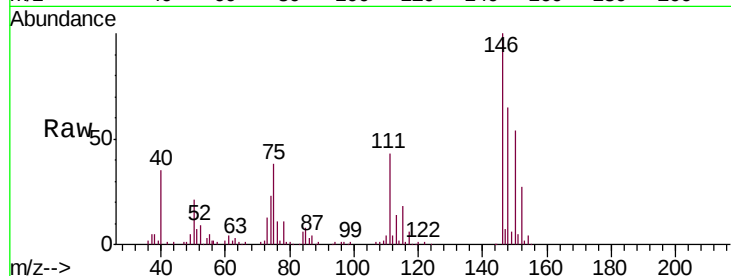
Tgt Ion:146 Resp: 109433

Ion Ratio Lower Upper

146 100

111 43.4 34.9 52.3

148 65.3 51.2 76.8

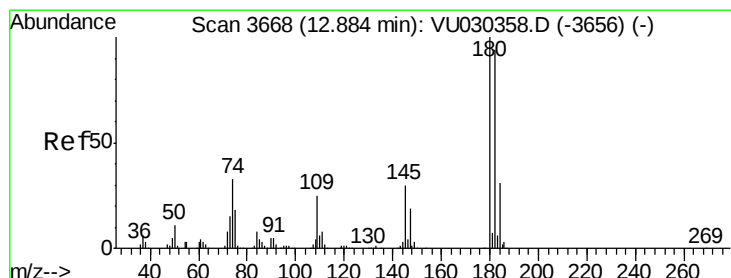
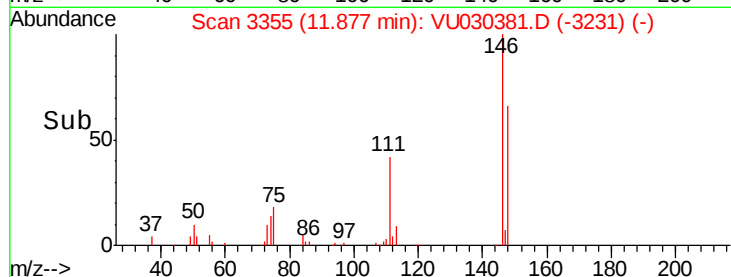
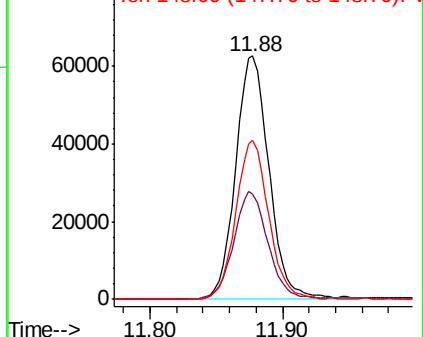


Abundance

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: 9.801 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. 0.62 min

Lab File: VU030381.D

Acq: 24 Mar 2019 19:23

Tgt Ion:180 Resp: 35456

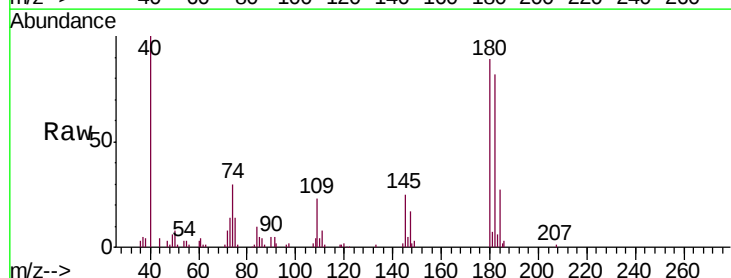
Ion Ratio Lower Upper

180 100

182 106.2 75.9 113.9

184 31.0 24.1 36.1

145 30.6 23.8 35.8



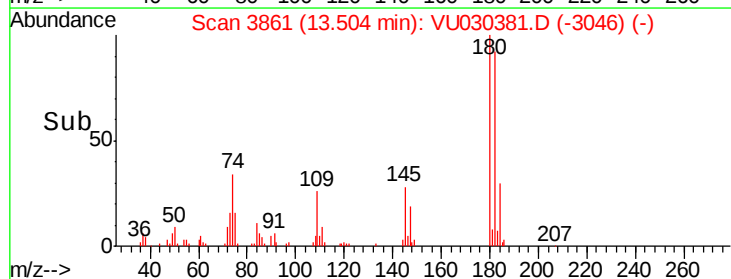
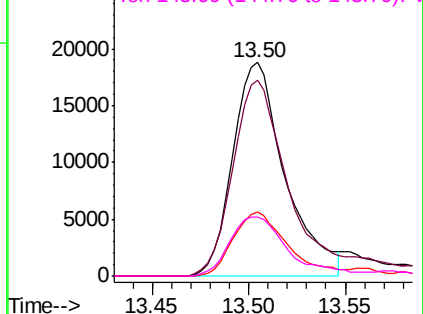
Abundance

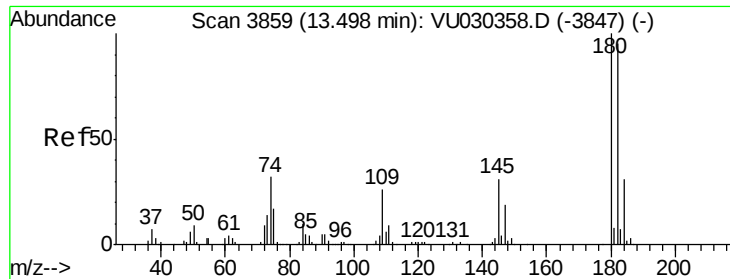
Ion 180.00 (179.70 to 180.70): V

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

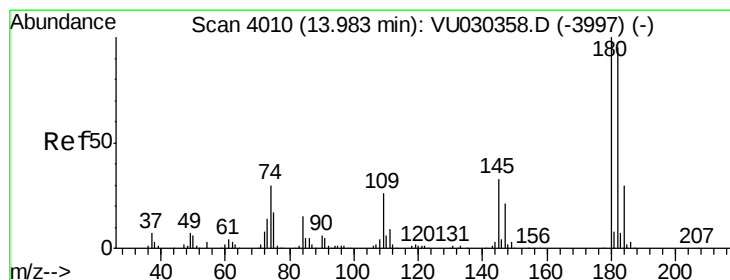
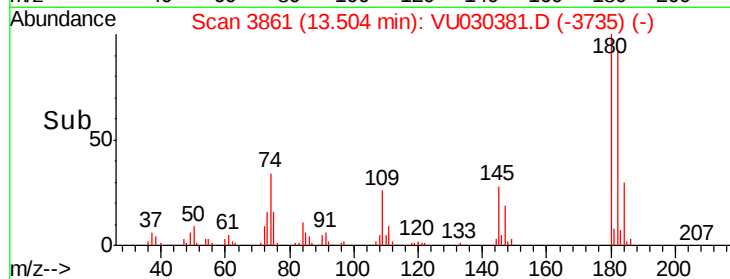
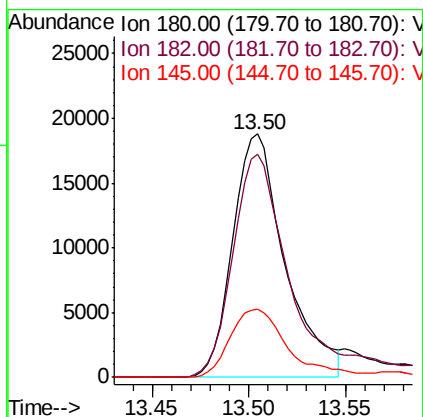
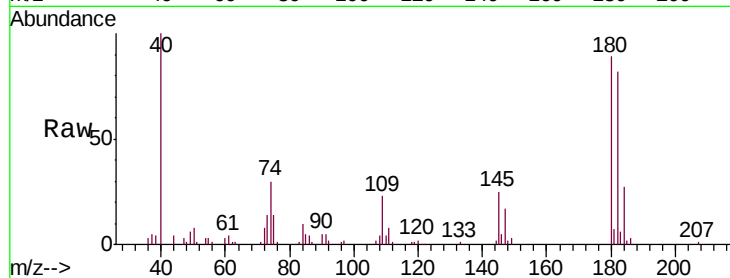




#68
 1,2,4-trichlorobenzene
 Concen: 11.280 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030381.D
 Acq: 24 Mar 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1A2

Tgt Ion:180 Resp: 35456
 Ion Ratio Lower Upper
 180 100
 182 106.2 76.1 114.1
 145 30.6 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 3.443 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030381.D
 Acq: 24 Mar 2019 19:23

Tgt Ion:180 Resp: 11427
 Ion Ratio Lower Upper
 180 100
 182 87.5 77.4 116.2
 145 33.0 25.9 38.9

