

Data File : VU030370.D
Acq On : 24 Mar 2019 15:02
Operator : JC/SP
Sample : K2016-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0981

Quant Time: Mar 25 03:25:12 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	392910	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	370618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	148138	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	135805	42.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.90%
7) Chloroethane-d5	1.68	69	116545	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.27	63	197030	32.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.70%
21) 2-Butanone-d5	4.17	46	273315	91.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.95%
24) Chloroform-d	4.65	84	254384	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
26) 1,2-Dichloroethane-d4	5.31	65	170150	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.46%
32) Benzene-d6	5.34	84	521104	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
36) 1,2-Dichloropropane-d6	6.33	67	185349	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.94%
41) Toluene-d8	7.56	98	451612	47.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.62%
43) trans-1,3-Dichloropropene-	7.85	79	73402	42.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.86%
47) 2-Hexanone-d5	8.31	63	176718	89.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	243358	46.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	150076	50.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.12%

Target Compounds

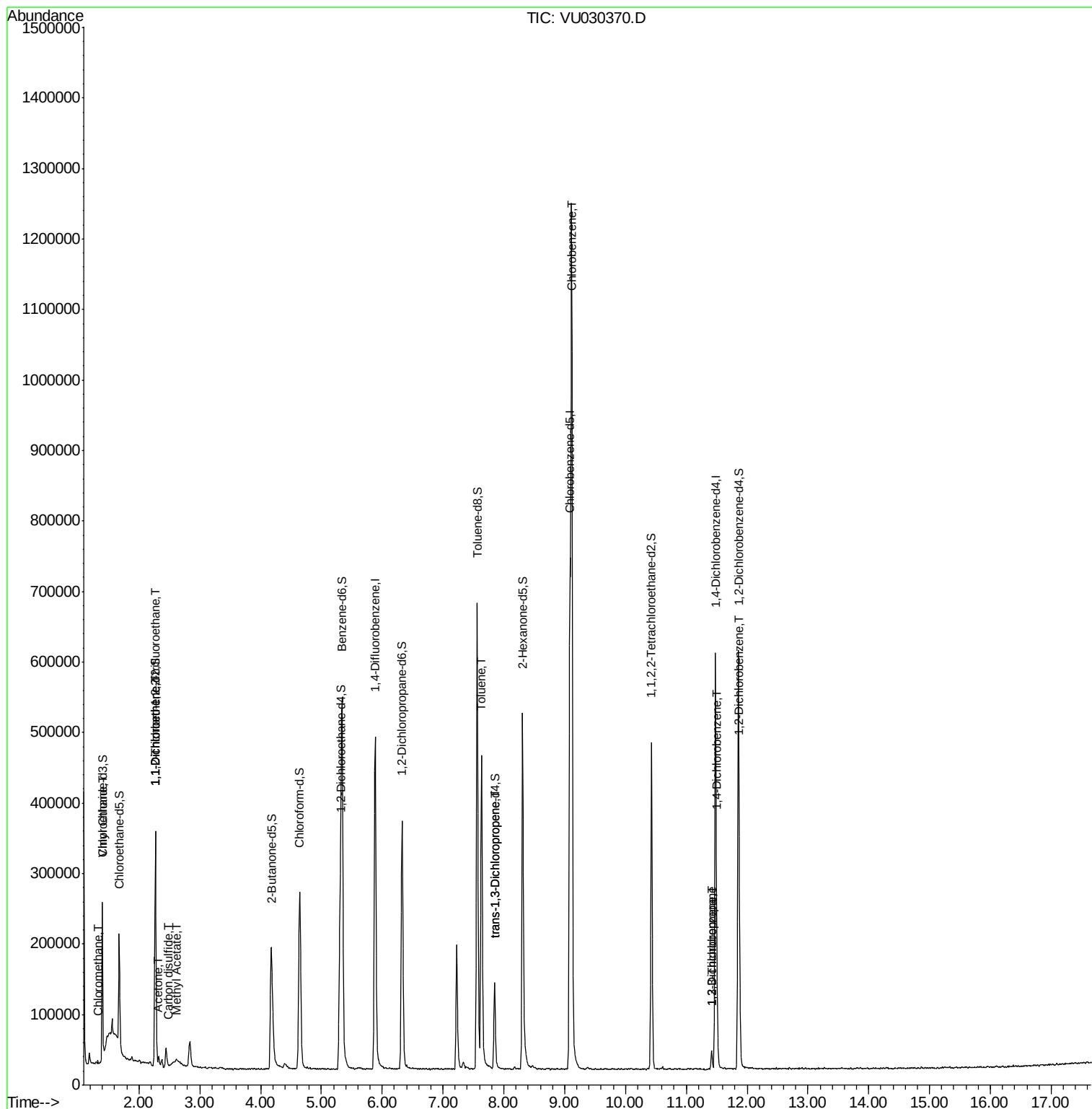
					Qvalue
3) Chloromethane	1.33	50	3254	0.671 ug/L	99
8) Chloroethane	1.41	64	10838	4.176 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1859	0.648 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1553	0.552 ug/L #	1
13) Acetone	2.32	43	12388	4.121 ug/L	96
14) Carbon disulfide	2.49	76	4913	0.529 ug/L	97
15) Methyl Acetate	2.62	43	5210	1.132 ug/L #	100
42) Toluene	7.63	91	338240	25.833 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	2889	0.638 ug/L	93
51) Chlorobenzene	9.12	112	633576	79.841 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	3877	0.890 ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	10719	2.213 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	36254	7.269 ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	37149	7.584 ug/L	96

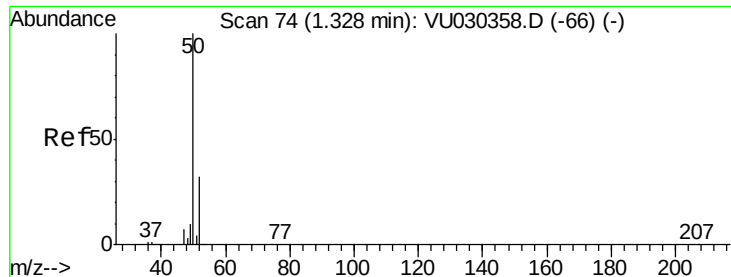
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.671 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030370.D

Acq: 24 Mar 2019 15:02

Instrument :

MSVOA_U

ClientSampleId :

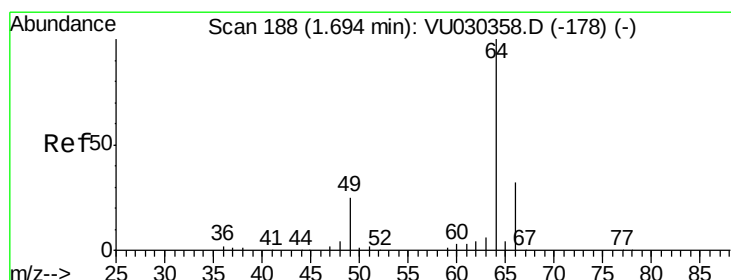
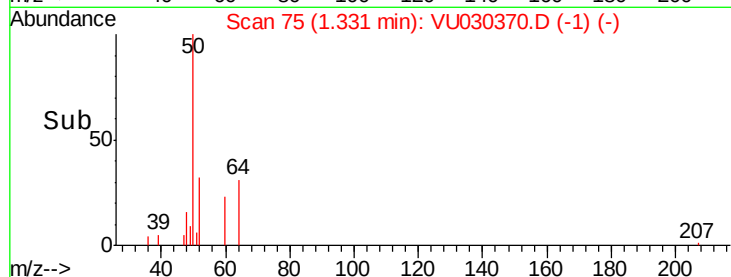
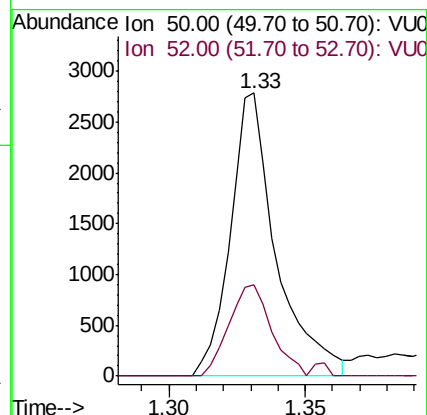
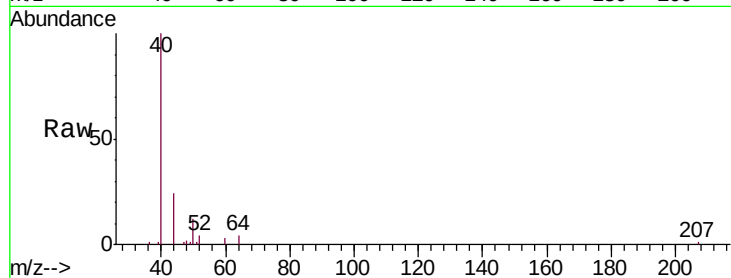
C0981

Tgt Ion: 50 Resp: 3254

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.6



#8

Chloroethane

Concen: 4.176 ug/L

RT: 1.41 min Scan# 98

Delta R.T. -0.29 min

Lab File: VU030370.D

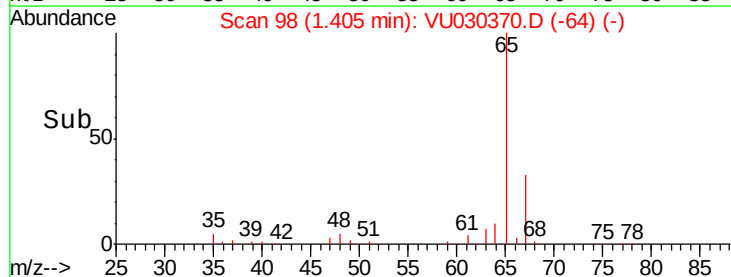
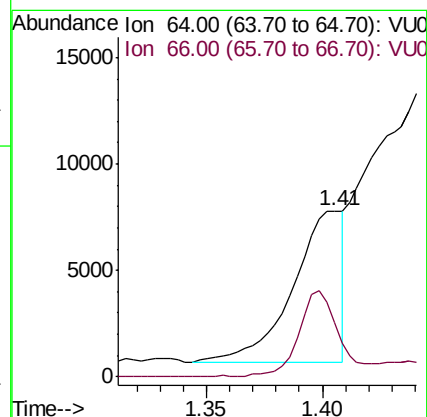
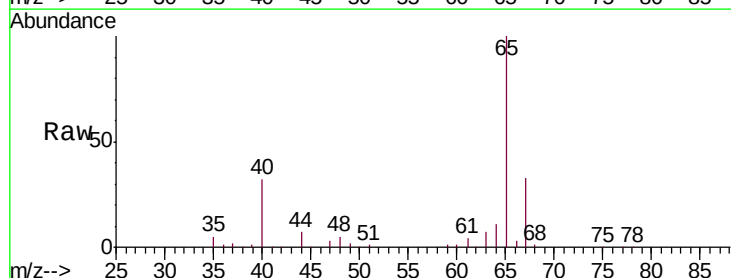
Acq: 24 Mar 2019 15:02

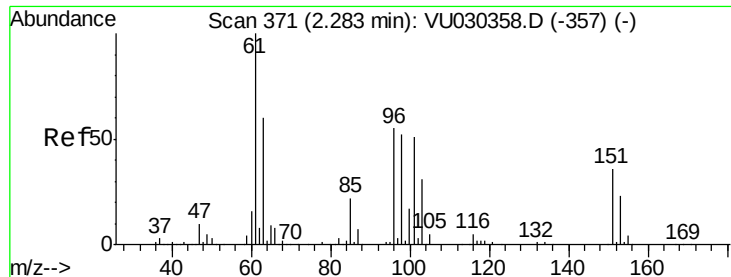
Tgt Ion: 64 Resp: 10838

Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.7





#10

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

Concen: 0.648 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030370.D

Acq: 24 Mar 2019 15:02

Instrument :

MSVOA_U

ClientSampleId :

C0981

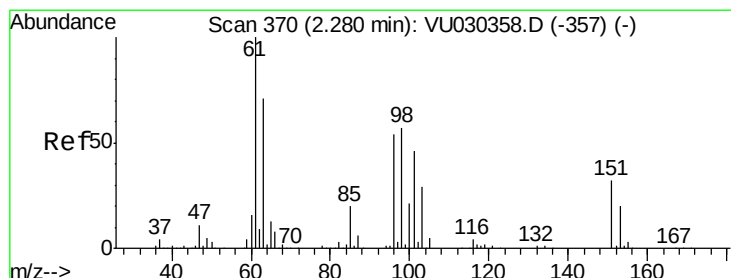
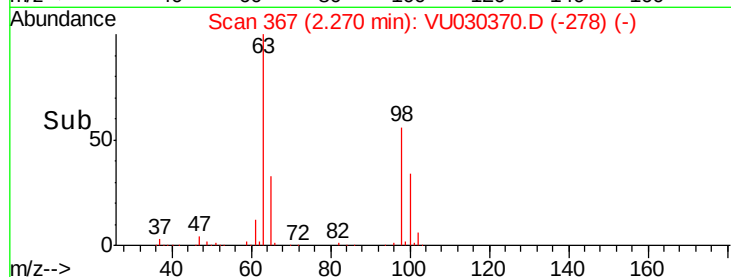
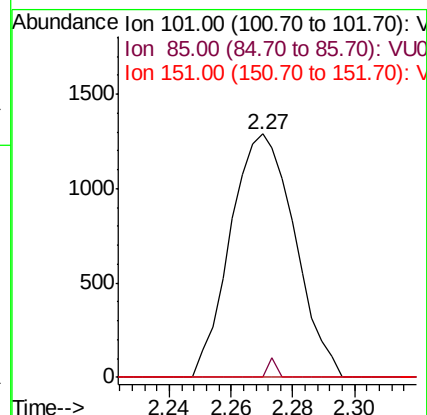
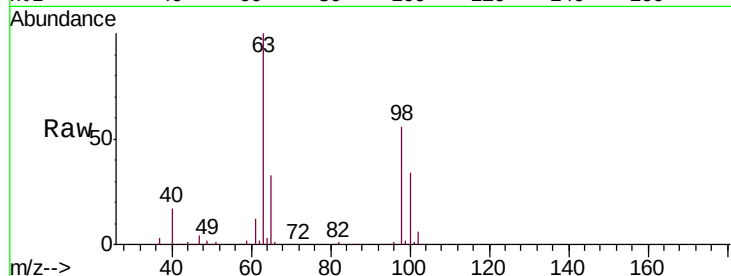
Tgt Ion: 101 Resp: 1859

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: 0.552 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030370.D

Acq: 24 Mar 2019 15:02

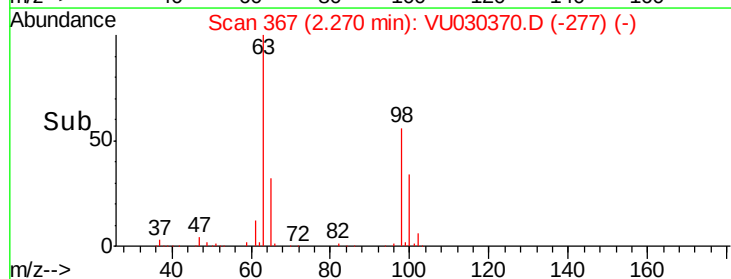
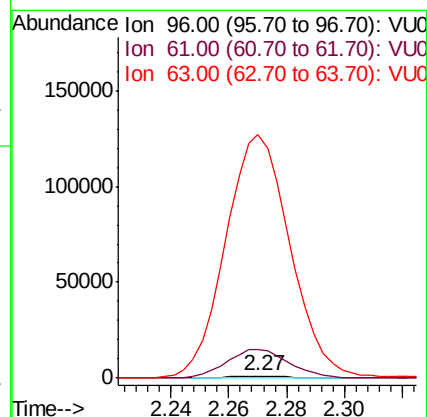
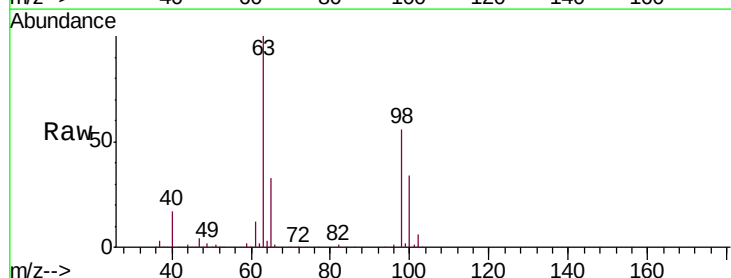
Tgt Ion: 96 Resp: 1553

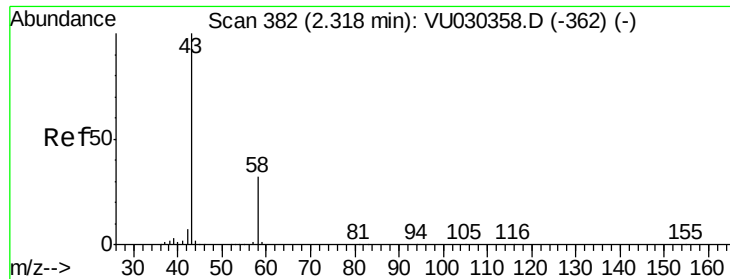
Ion Ratio Lower Upper

96 100

61 1400.0 131.0 243.4#

63 11750.6 92.4 171.6#





#13

Acetone

Concen: 4.121 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030370.D

Acq: 24 Mar 2019 15:02

Instrument :

MSVOA_U

ClientSampled :

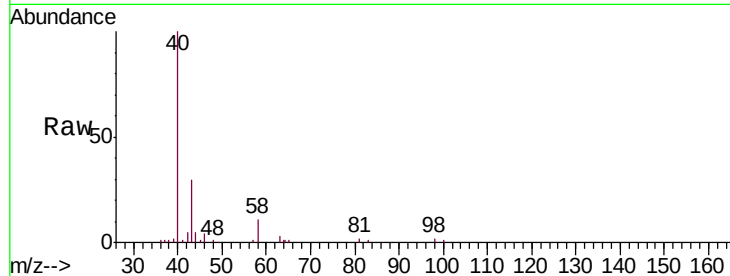
C0981

Tgt Ion: 43 Resp: 12388

Ion Ratio Lower Upper

43 100

58 33.4 0.0 62.8

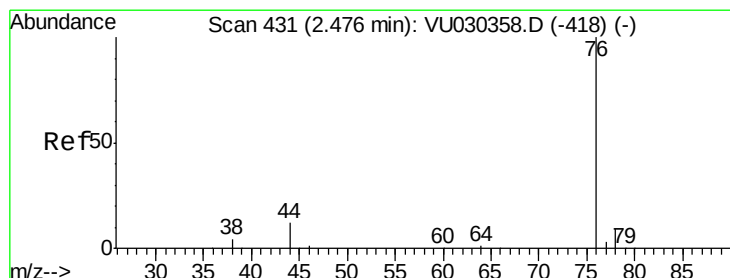
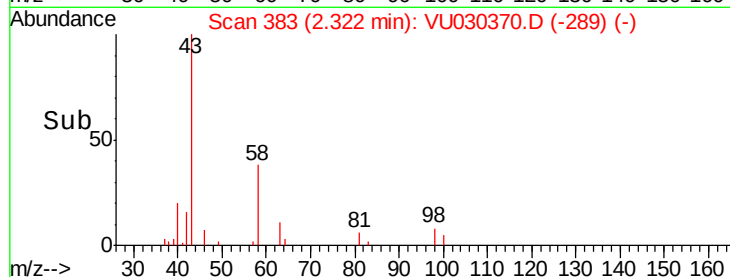


Abundance Ion 43.00 (42.70 to 43.70): VU030370.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU030370.D (-289) (-)

Time-->

2.25 2.30 2.35



#14

Carbon disulfide

Concen: 0.529 ug/L

RT: 2.49 min Scan# 434

Delta R.T. 0.01 min

Lab File: VU030370.D

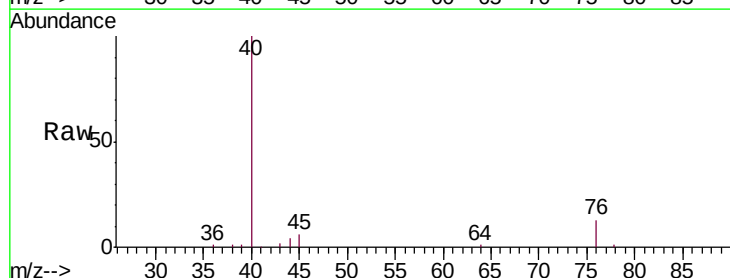
Acq: 24 Mar 2019 15:02

Tgt Ion: 76 Resp: 4913

Ion Ratio Lower Upper

76 100

78 7.9 7.3 10.9

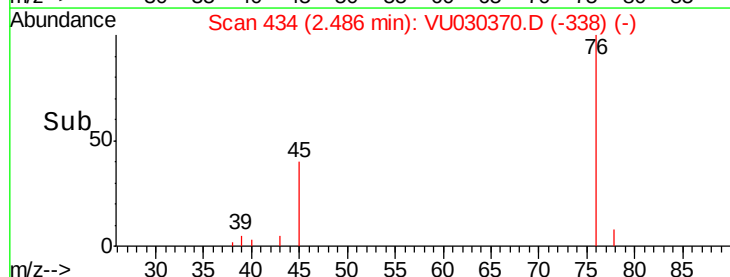


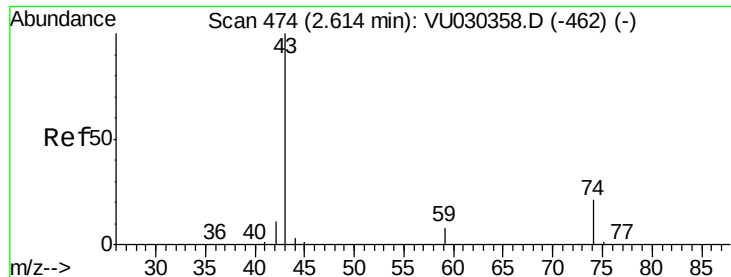
Abundance Ion 76.00 (75.70 to 76.70): VU030370.D (-338) (-)

Ion 78.00 (77.70 to 78.70): VU030370.D (-338) (-)

Time-->

2.44 2.46 2.48 2.50





#15

Methyl Acetate

Concen: 1.132 ug/L

RT: 2.62 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU030370.D

Acq: 24 Mar 2019 15:02

Instrument :

MSVOA_U

ClientSampleId :

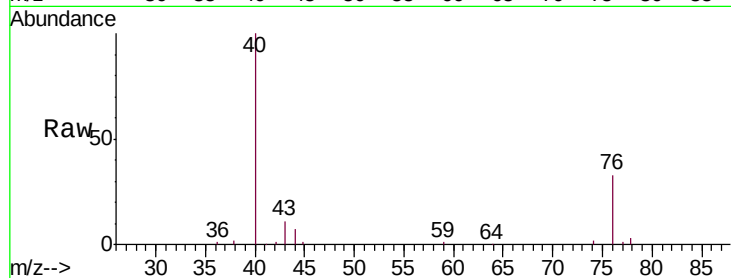
C0981

Tgt Ion: 43 Resp: 5210

Ion Ratio Lower Upper

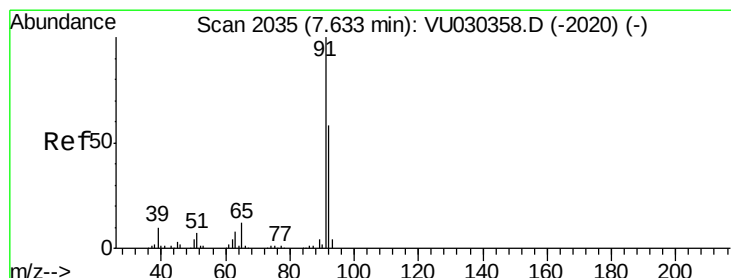
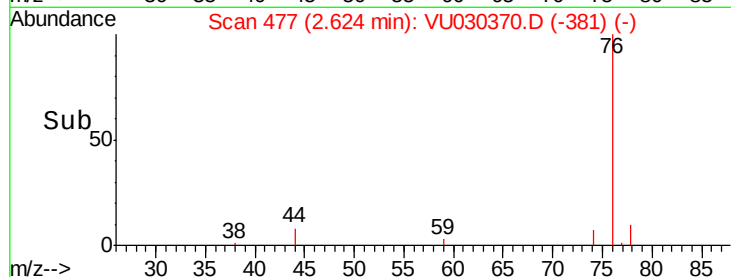
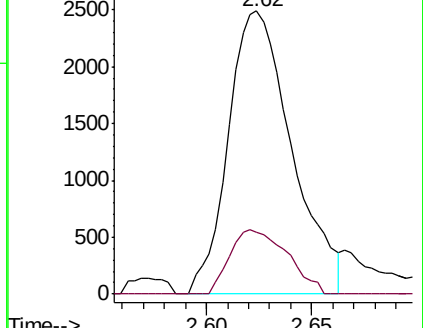
43 100

74 20.6 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VU030370.D (-381) (-)

Ion 74.00 (73.70 to 74.70): VU030370.D (-381) (-)



#42

Toluene

Concen: 25.833 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030370.D

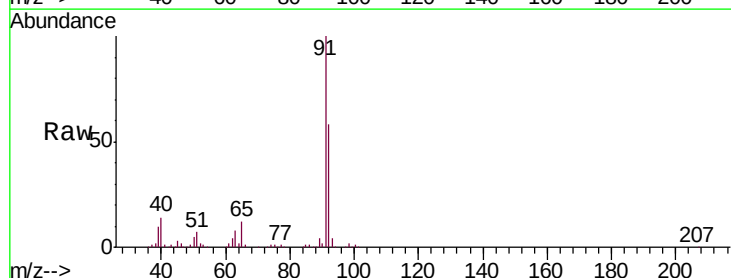
Acq: 24 Mar 2019 15:02

Tgt Ion: 91 Resp: 338240

Ion Ratio Lower Upper

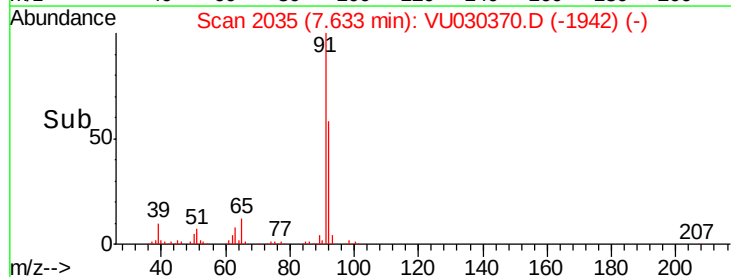
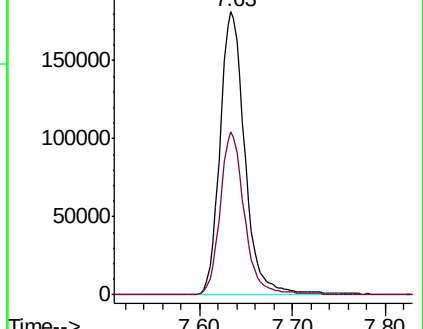
91 100

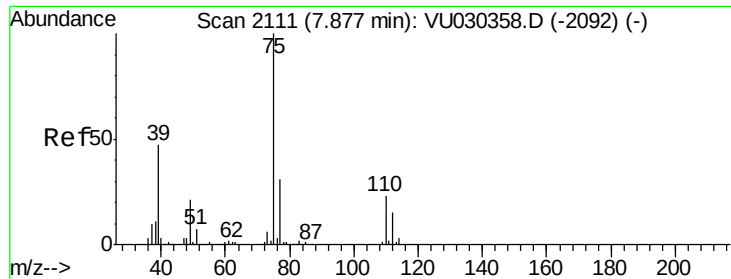
92 57.6 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030370.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU030370.D (-1942) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.638 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030370.D

Acq: 24 Mar 2019 15:02

Instrument :

MSVOA_U

ClientSampleId :

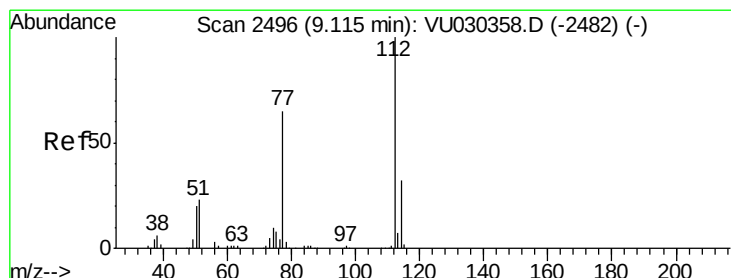
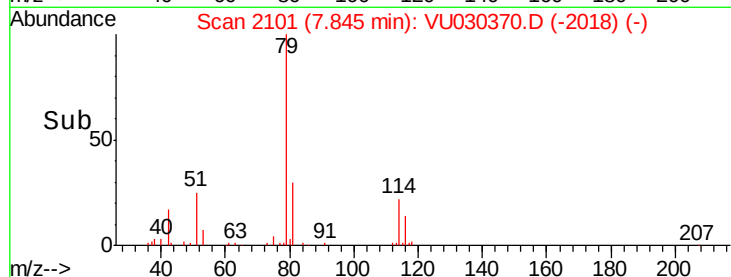
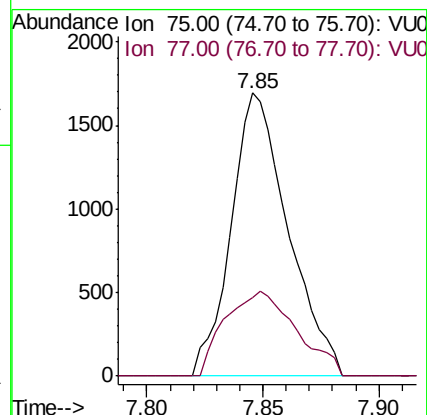
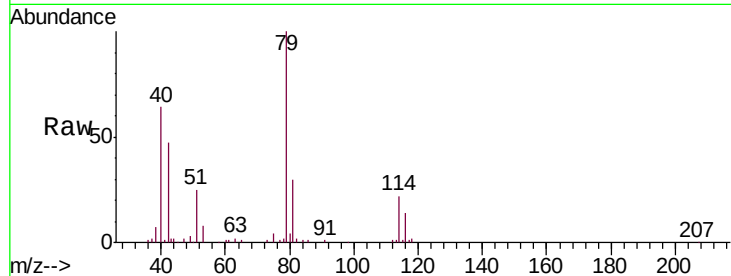
C0981

Tgt Ion: 75 Resp: 2889

Ion Ratio Lower Upper

75 100

77 27.7 22.0 40.8



#51

Chlorobenzene

Concen: 79.841 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030370.D

Acq: 24 Mar 2019 15:02

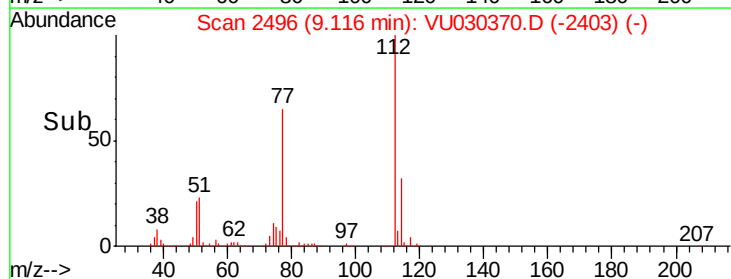
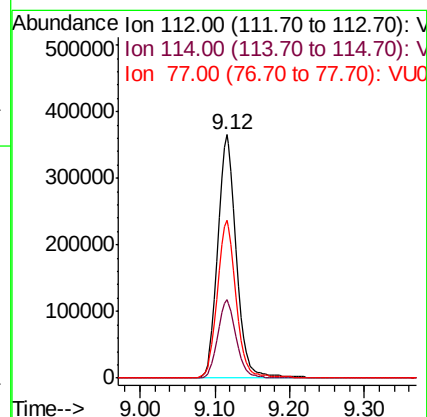
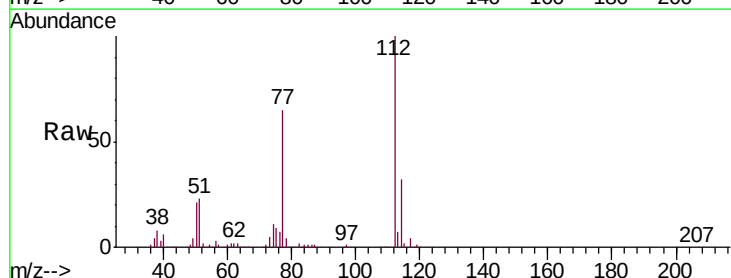
Tgt Ion: 112 Resp: 633576

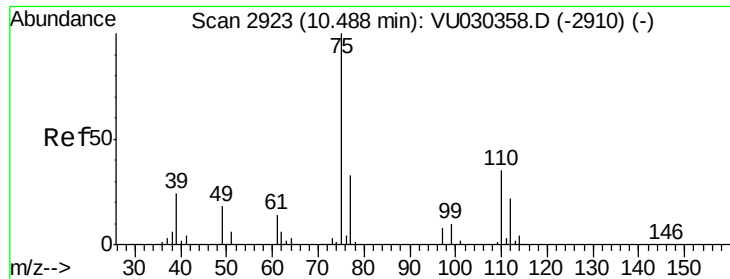
Ion Ratio Lower Upper

112 100

114 32.0 21.5 39.9

77 64.8 51.4 77.0





#59

1,2,3-Trichloropropane

Concen: 0.890 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.93 min

Lab File: VU030370.D

Acq: 24 Mar 2019 15:02

Instrument :

MSVOA_U

ClientSampleId :

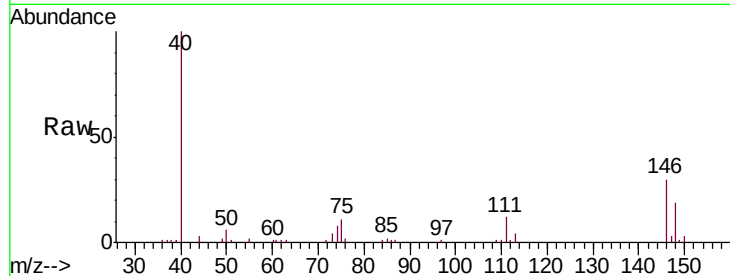
C0981

Tgt Ion: 75 Resp: 3877

Ion Ratio Lower Upper

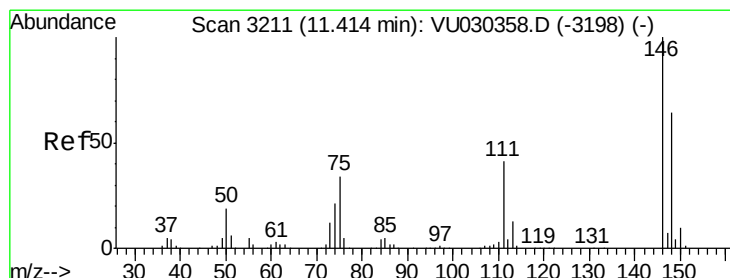
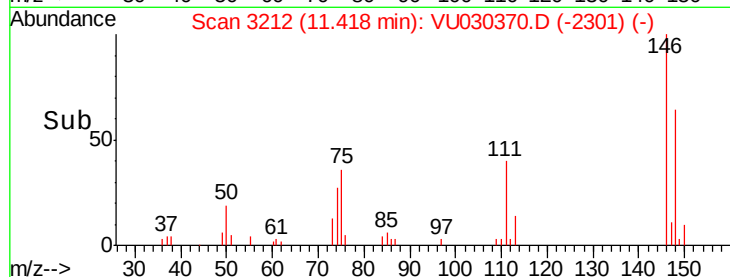
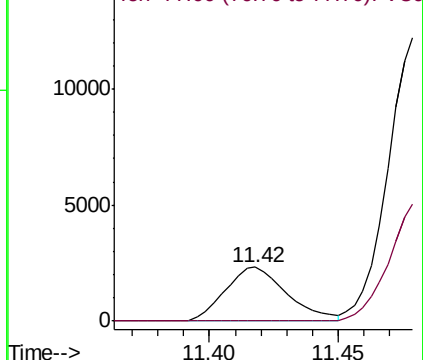
75 100

77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU030370.D (-3118) (-)

Ion 77.00 (76.70 to 77.70): VU030370.D (-3118) (-)



#62

1,3-Dichlorobenzene

Concen: 2.213 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030370.D

Acq: 24 Mar 2019 15:02

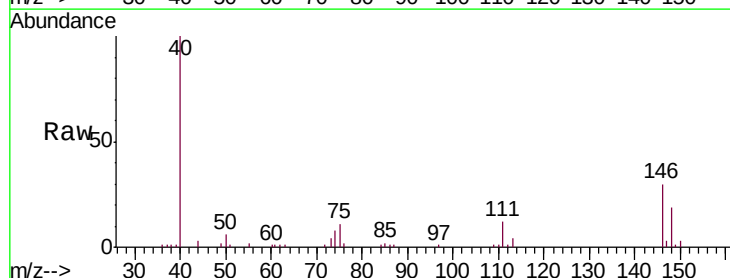
Tgt Ion: 146 Resp: 10719

Ion Ratio Lower Upper

146 100

111 40.4 29.2 54.2

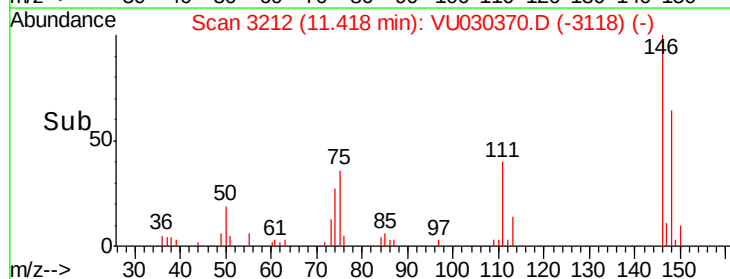
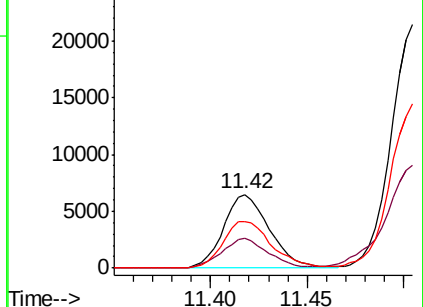
148 63.7 44.4 82.4

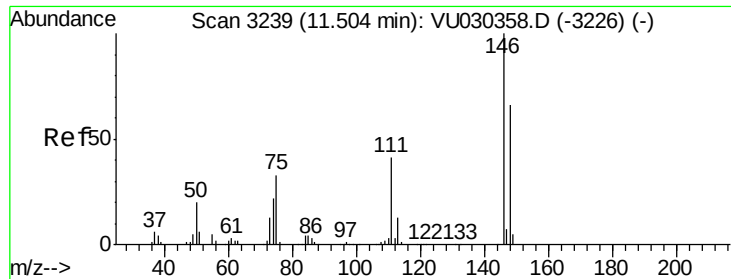


Abundance Ion 146.00 (145.70 to 146.70): VU030370.D (-3118) (-)

Ion 111.00 (110.70 to 111.70): VU030370.D (-3118) (-)

Ion 148.00 (147.70 to 148.70): VU030370.D (-3118) (-)

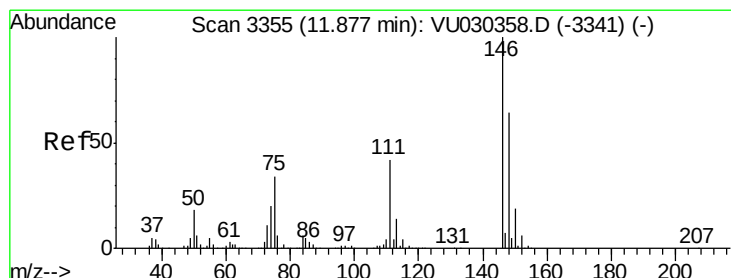
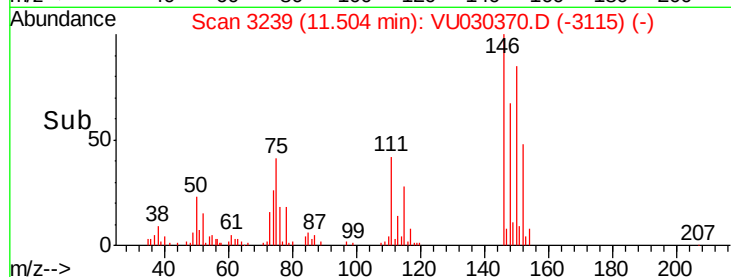
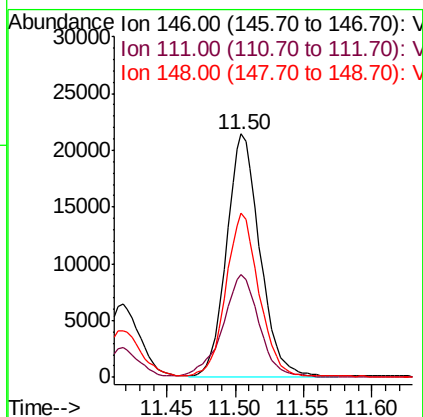
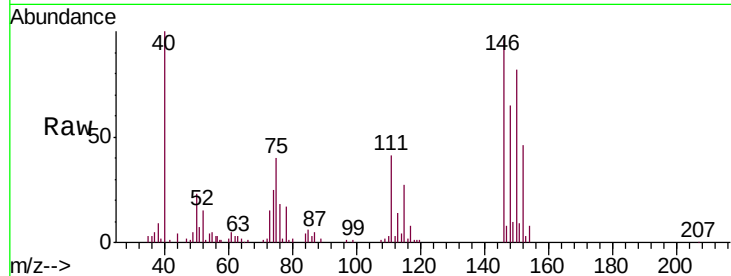




#63
 1,4-Dichlorobenzene
 Concen: 7.269 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030370.D
 Acq: 24 Mar 2019 15:02

Instrument :
 MSVOA_U
 ClientSampleId :
 C0981

Tgt Ion:146 Resp: 36254
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.7 53.3
 148 67.2 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 7.584 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030370.D
 Acq: 24 Mar 2019 15:02

Tgt Ion:146 Resp: 37149
 Ion Ratio Lower Upper
 146 100
 111 46.0 34.9 52.3
 148 60.3 51.2 76.8

