

Data File : VU030369.D
Acq On : 24 Mar 2019 14:39
Operator : JC/SP
Sample : K2016-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0980

Quant Time: Mar 25 03:25:00 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	408735	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	390294	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	169645	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139961	42.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.10%
7) Chloroethane-d5	1.68	69	117020	44.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.76%
11) 1,1-Dichloroethene-d2	2.27	63	203771	32.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.32%
21) 2-Butanone-d5	4.17	46	279165	90.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.28%
24) Chloroform-d	4.64	84	262765	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.72%
26) 1,2-Dichloroethane-d4	5.31	65	173951	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
32) Benzene-d6	5.34	84	536319	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.84%
36) 1,2-Dichloropropane-d6	6.33	67	192526	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.56%
41) Toluene-d8	7.56	98	470762	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.85	79	74198	41.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.42%
47) 2-Hexanone-d5	8.31	63	189015	91.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	249189	45.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.94%
64) 1,2-Dichlorobenzene-d4	12.00	152	44	0.01	ug/L	0.14
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.02%#

Target Compounds

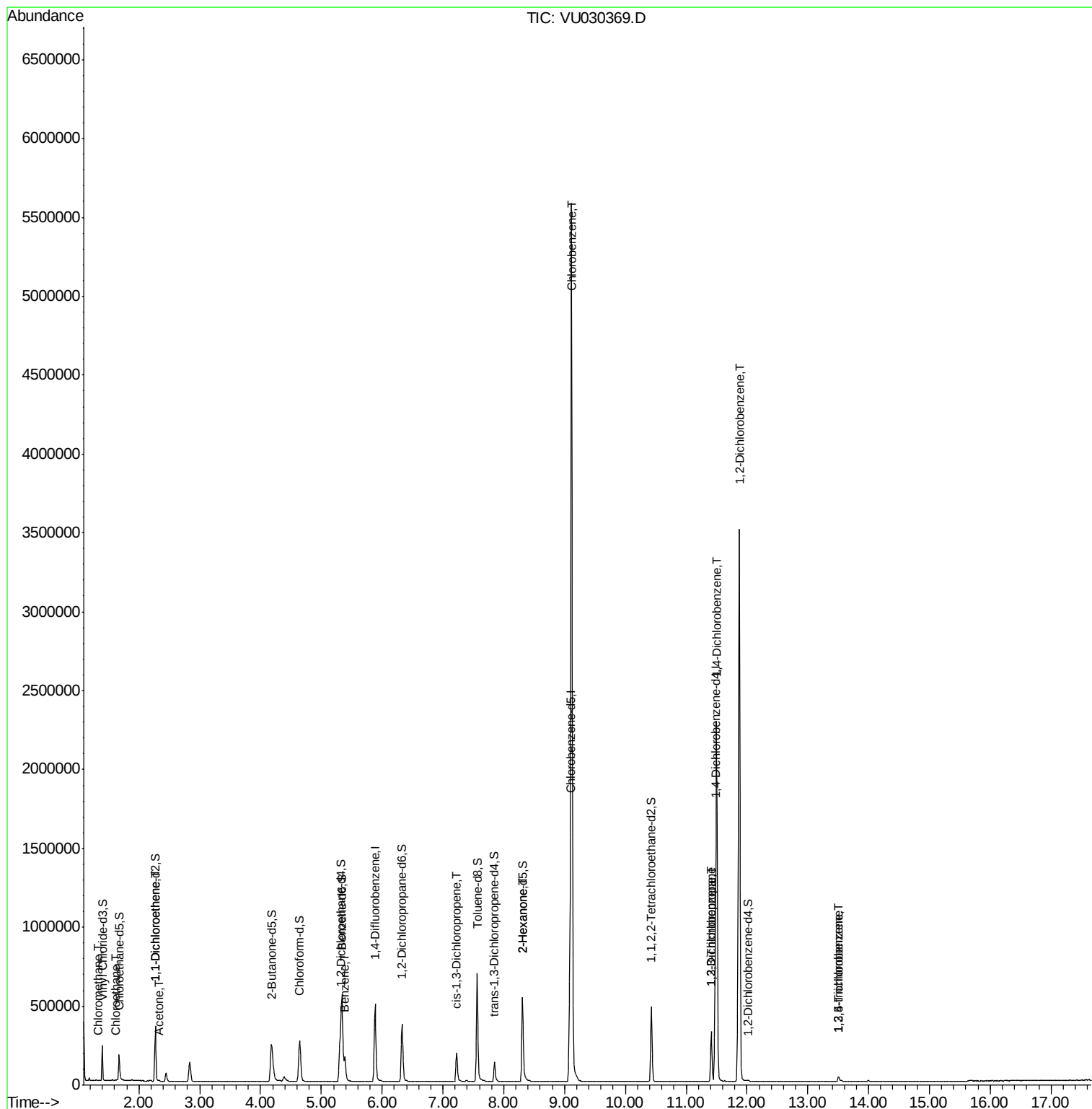
						Qvalue
3) Chloromethane	1.33	50	3415	0.677	ug/L	97
8) Chloroethane	1.62	64	3132	1.160	ug/L #	59
12) 1,1-Dichloroethene	2.27	96	1728	0.591	ug/L #	1
13) Acetone	2.32	43	4332	1.385	ug/L	98
33) Benzene	5.39	78	142293	10.710	ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	4236	0.782	ug/L #	73
48) 2-Hexanone	8.31	43	22265	4.289	ug/L #	75
51) Chlorobenzene	9.12	112	2854011	341.521	ug/L	98
59) 1,2,3-Trichloropropane	11.41	75	42524	9.266	ug/L #	45
62) 1,3-Dichlorobenzene	11.41	146	123741	22.304	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	852165	149.205	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	1305744	232.763	ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	12022	2.895	ug/L	95
68) 1,2,4-trichlorobenzene	13.51	180	12022	3.331	ug/L	93

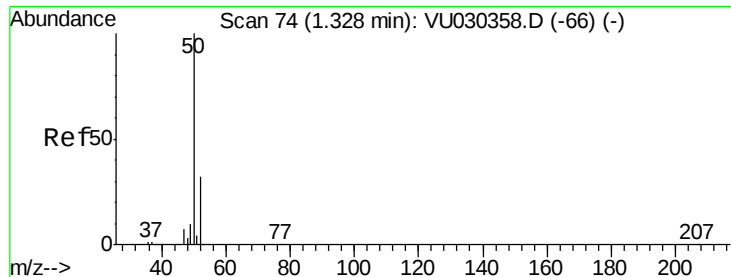
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.677 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030369.D

Acq: 24 Mar 2019 14:39

Instrument :

MSVOA_U

ClientSampleId :

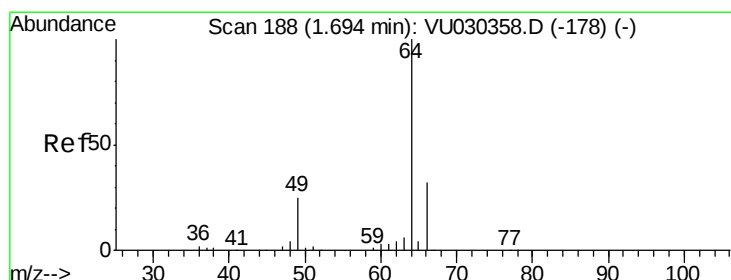
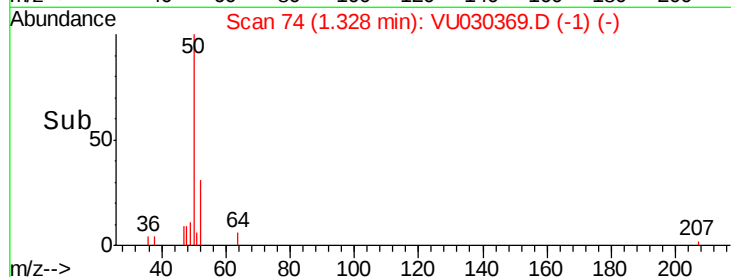
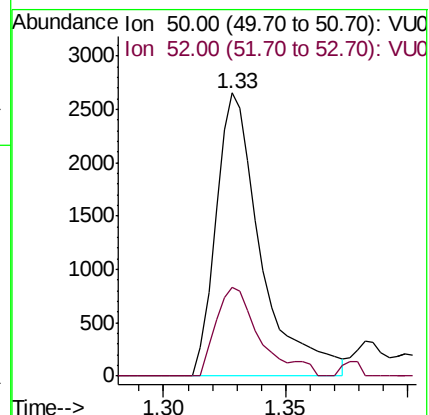
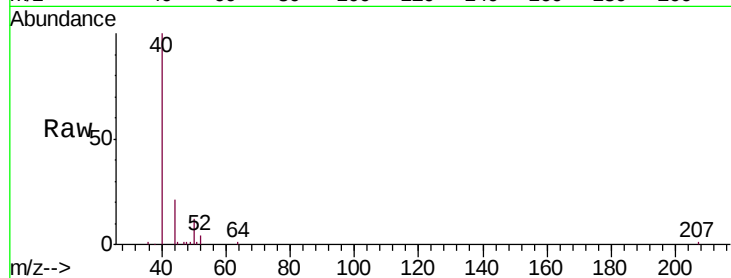
C0980

Tgt Ion: 50 Resp: 3415

Ion Ratio Lower Upper

50 100

52 31.2 23.0 42.6



#8

Chloroethane

Concen: 1.160 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.07 min

Lab File: VU030369.D

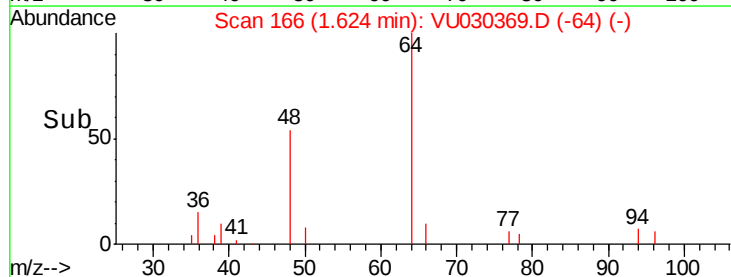
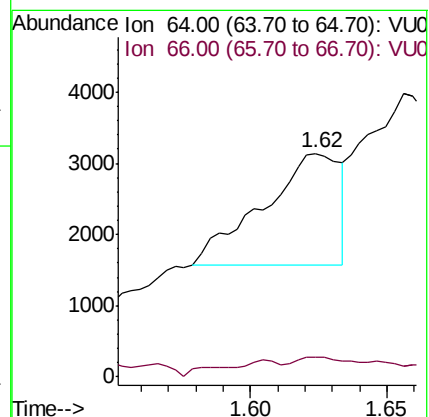
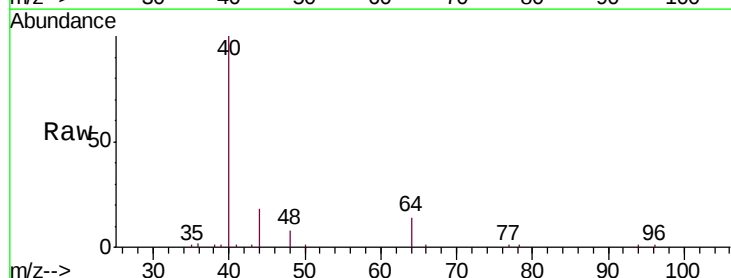
Acq: 24 Mar 2019 14:39

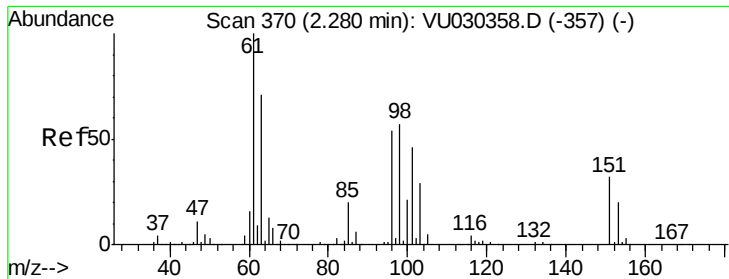
Tgt Ion: 64 Resp: 3132

Ion Ratio Lower Upper

64 100

66 9.1 22.5 41.7#





#12

1,1-Dichloroethene

Concen: 0.591 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030369.D

Acq: 24 Mar 2019 14:39

Instrument :

MSVOA_U

ClientSampleId :

C0980

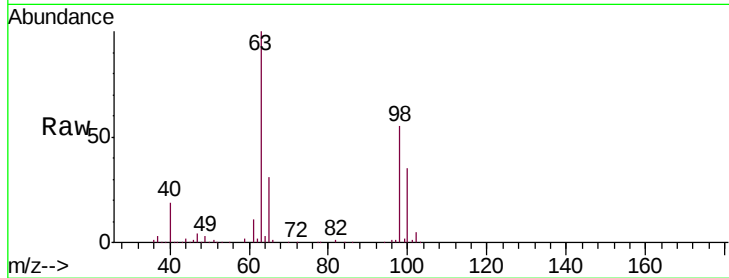
Tgt Ion: 96 Resp: 1728

Ion Ratio Lower Upper

96 100

61 1297.3 131.0 243.4#

63 11796.7 92.4 171.6#



Abundance Ion 96.00 (95.70 to 96.70): VU030369.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU030369.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU030369.D (-277) (-)

150000

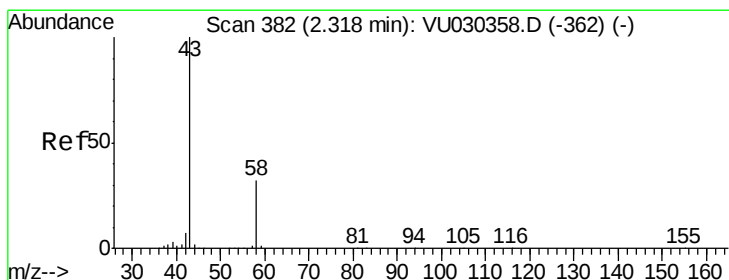
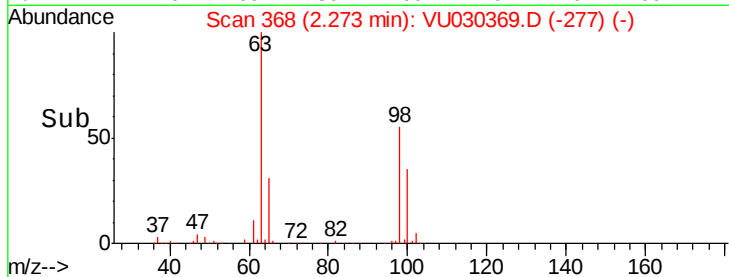
100000

50000

0

2.24 2.26 2.28 2.30

Time-->



#13

Acetone

Concen: 1.385 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030369.D

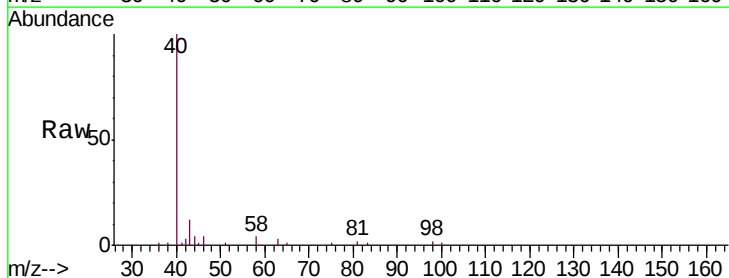
Acq: 24 Mar 2019 14:39

Tgt Ion: 43 Resp: 4332

Ion Ratio Lower Upper

43 100

58 30.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030369.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU030369.D (-289) (-)

3000

2500

2000

1500

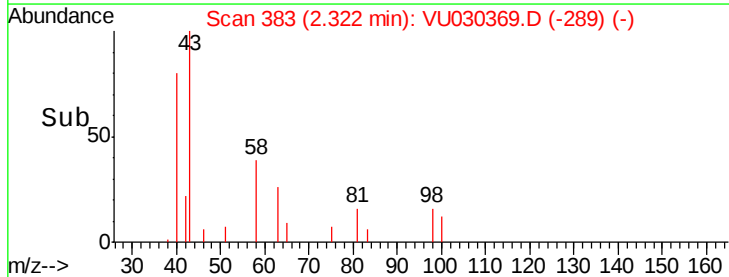
1000

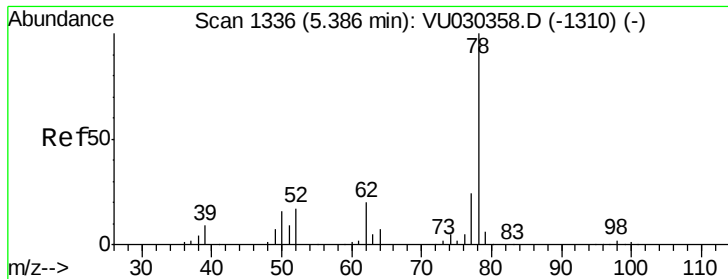
500

0

2.30 2.32 2.34 2.36

Time-->





#33

Benzene

Concen: 10.710 ug/L

RT: 5.39 min Scan# 1336

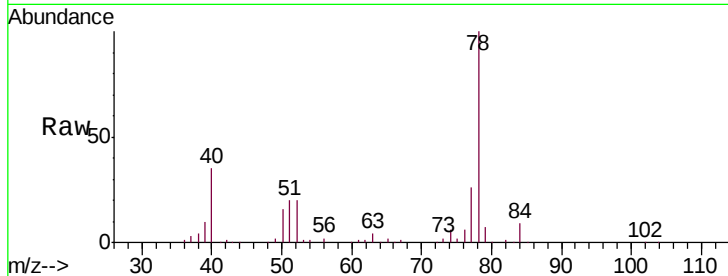
Delta R.T. 0.00 min

Lab File: VU030369.D

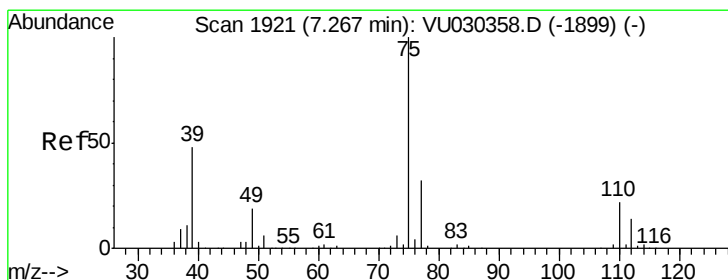
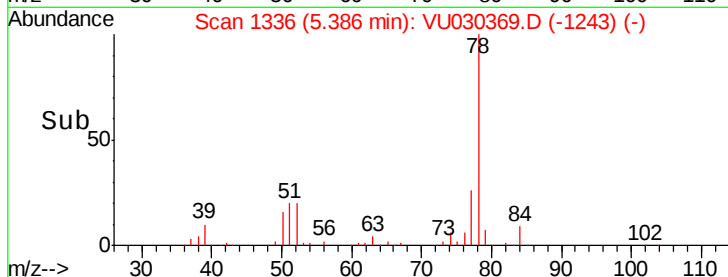
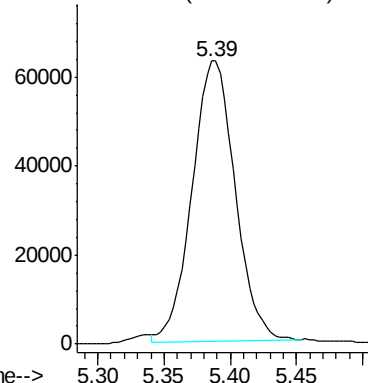
Acq: 24 Mar 2019 14:39

Instrument :
MSVOA_U
ClientSampled :
C0980

Tgt Ion: 78 Resp: 142293



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.782 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030369.D

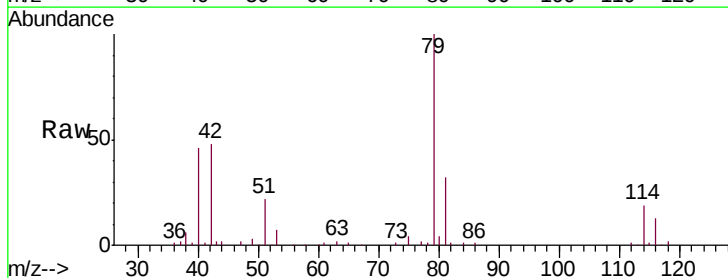
Acq: 24 Mar 2019 14:39

Tgt Ion: 75 Resp: 4236

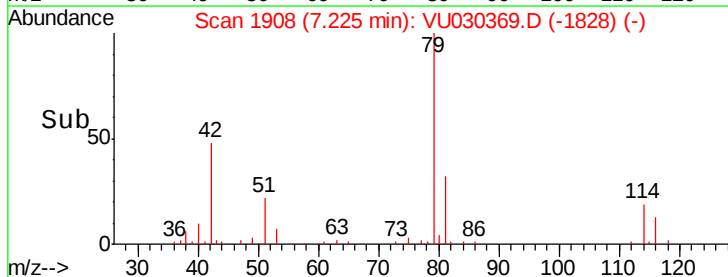
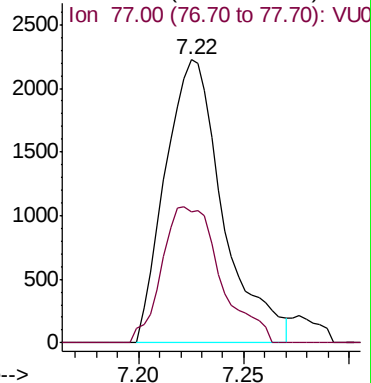
Ion Ratio Lower Upper

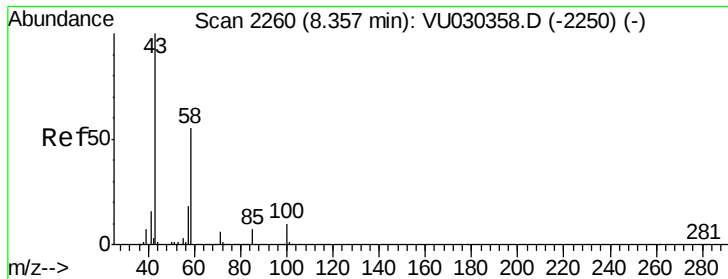
75 100

77 46.1 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

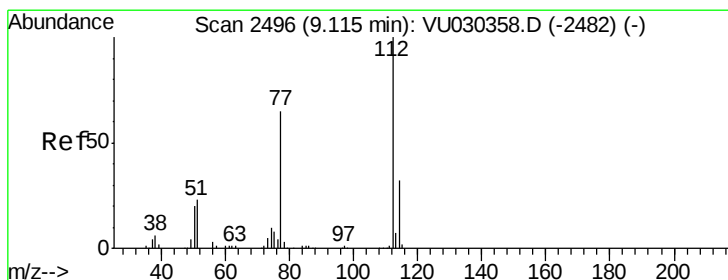
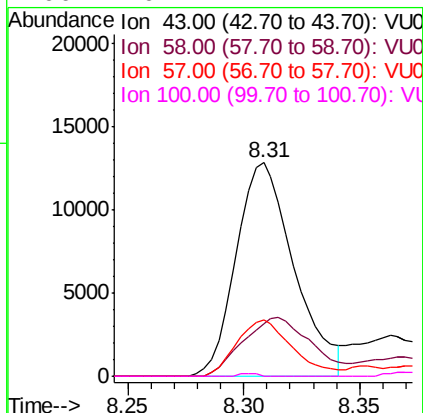
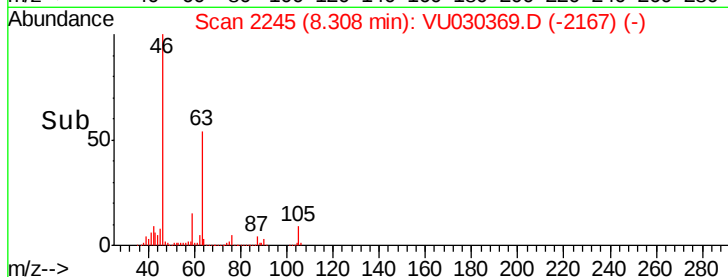
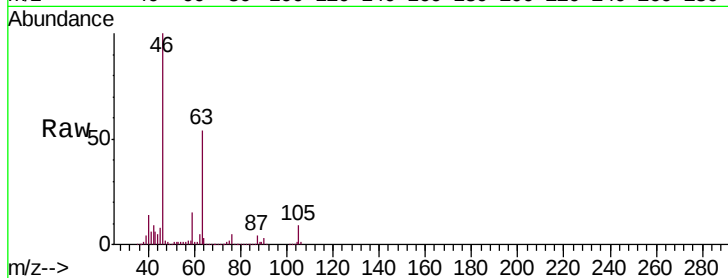




#48
2-Hexanone
Concen: 4.289 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030369.D
Acq: 24 Mar 2019 14:39

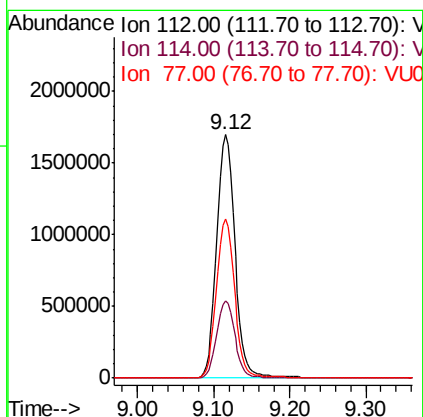
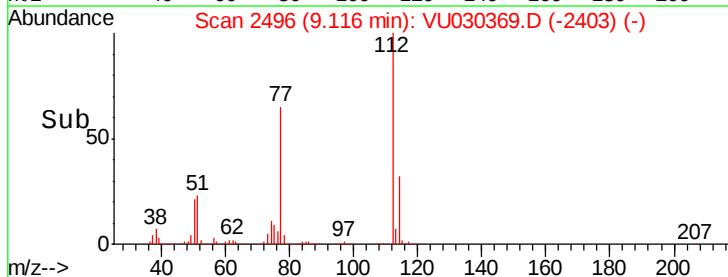
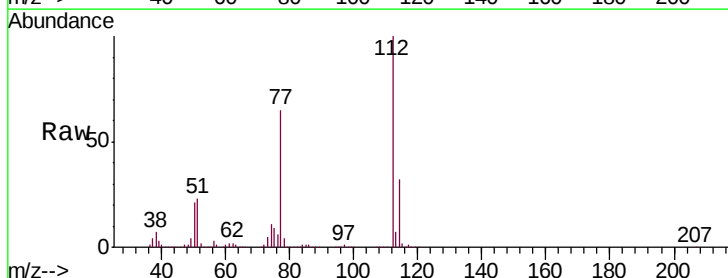
Instrument :
MSVOA_U
ClientSampleId :
C0980

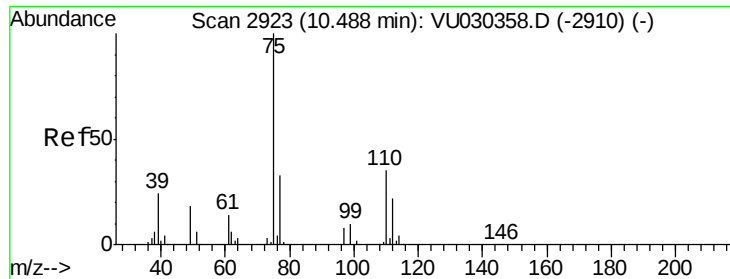
Tgt Ion:	43	Resp:	22265
Ion	Ratio	Lower	Upper
43	100		
58	33.1	42.5	63.7#
57	25.3	15.0	22.6#
100	0.4	7.4	11.2#



#51
Chlorobenzene
Concen: 341.521 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030369.D
Acq: 24 Mar 2019 14:39

Tgt Ion:	112	Resp:	2854011
Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.5	39.9
77	65.5	51.4	77.0





#59

1,2,3-Trichloropropane

Concen: 9.266 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.92 min

Lab File: VU030369.D

Acq: 24 Mar 2019 14:39

Instrument :

MSVOA_U

ClientSampleId :

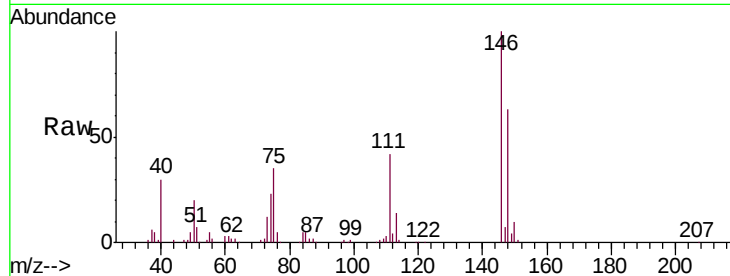
C0980

Tgt Ion: 75 Resp: 42524

Ion Ratio Lower Upper

75 100

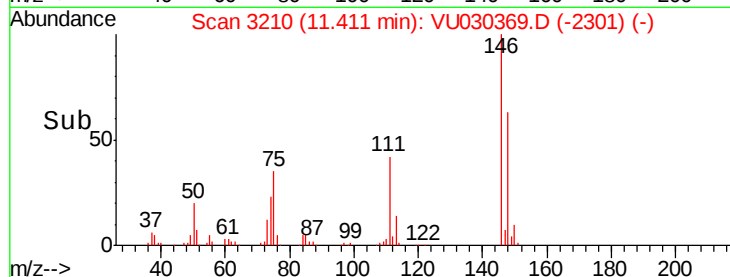
77 1.1 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU030358.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU030358.D (-2910) (-)

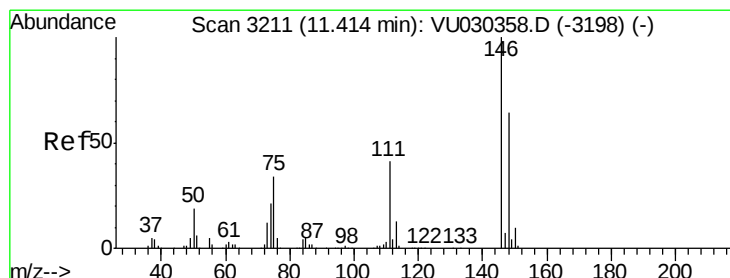
Time-->



Abundance Ion 75.00 (74.70 to 75.70): VU030369.D (-2301) (-)

Ion 77.00 (76.70 to 77.70): VU030369.D (-2301) (-)

Time-->



#62

1,3-Dichlorobenzene

Concen: 22.304 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030369.D

Acq: 24 Mar 2019 14:39

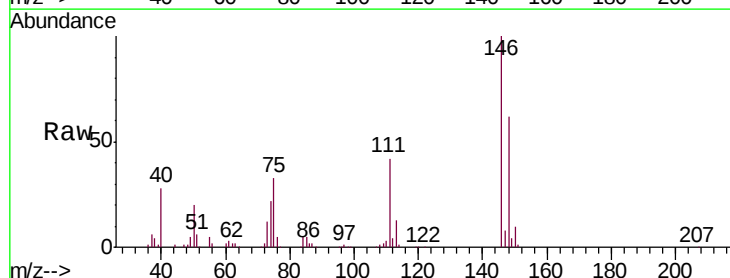
Tgt Ion: 146 Resp: 123741

Ion Ratio Lower Upper

146 100

111 41.9 29.2 54.2

148 62.0 44.4 82.4

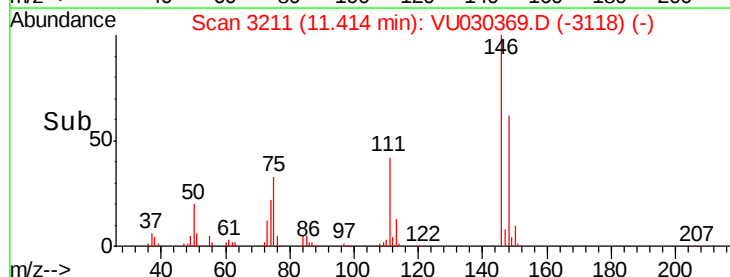


Abundance Ion 146.00 (145.70 to 146.70): VU030358.D (-3198) (-)

Ion 111.00 (110.70 to 111.70): VU030358.D (-3198) (-)

Ion 148.00 (147.70 to 148.70): VU030358.D (-3198) (-)

Time-->

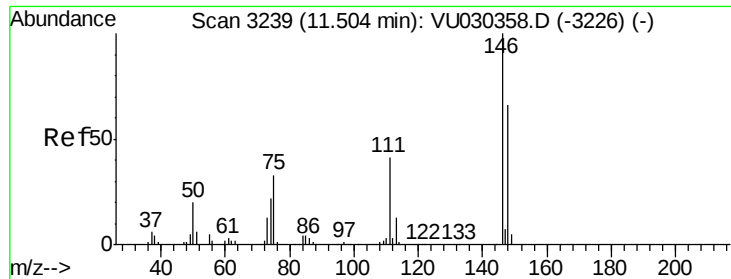


Abundance Ion 146.00 (145.70 to 146.70): VU030369.D (-3118) (-)

Ion 111.00 (110.70 to 111.70): VU030369.D (-3118) (-)

Ion 148.00 (147.70 to 148.70): VU030369.D (-3118) (-)

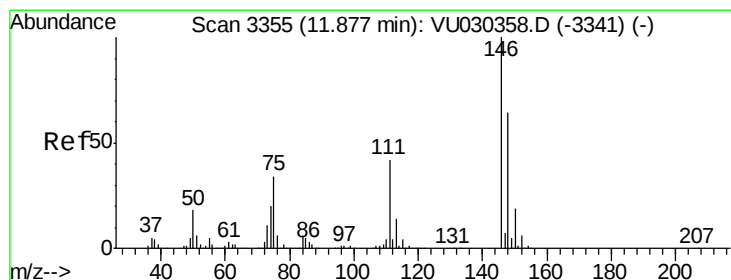
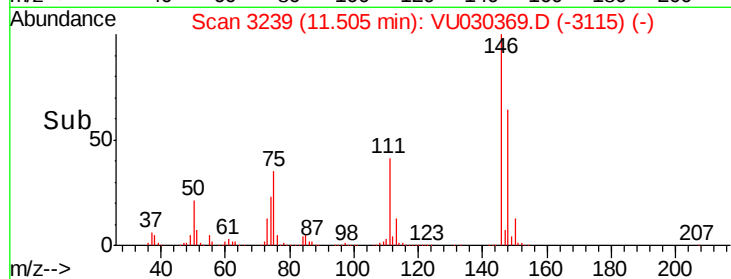
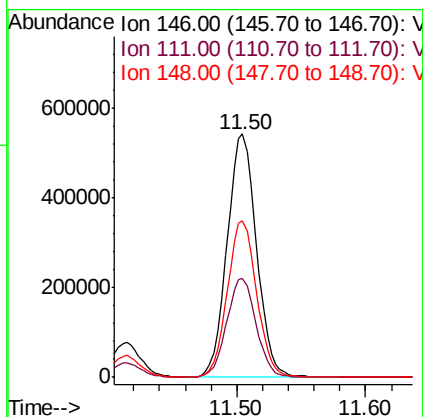
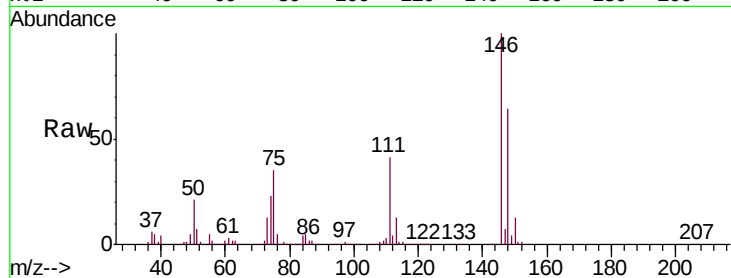
Time-->



#63
 1,4-Dichlorobenzene
 Concen: 149.205 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030369.D
 Acq: 24 Mar 2019 14:39

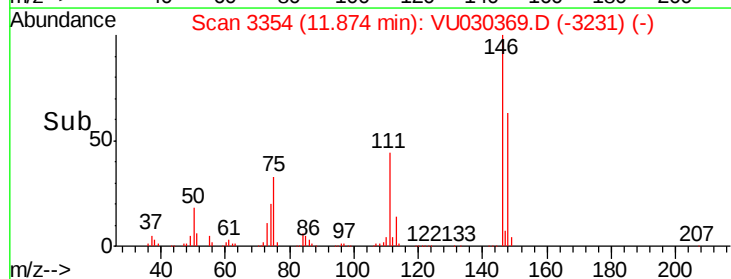
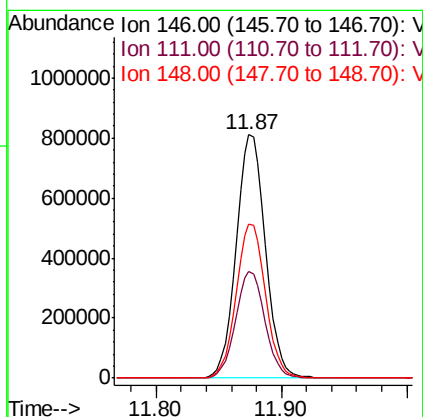
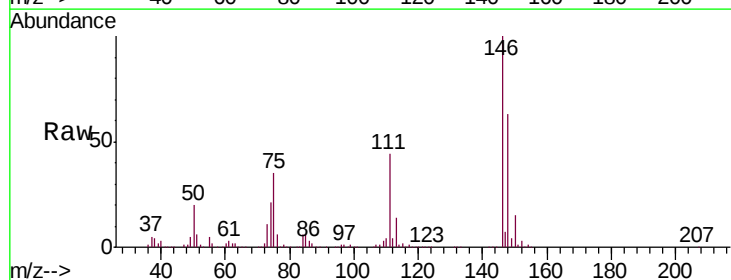
Instrument :
 MSVOA_U
 ClientSampleId :
 C0980

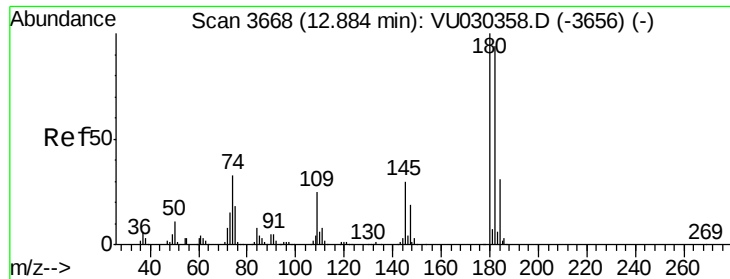
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.7	53.3
148	64.5	44.3	82.3



#65
 1,2-Dichlorobenzene
 Concen: 232.763 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030369.D
 Acq: 24 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	34.9	52.3
148	63.4	51.2	76.8

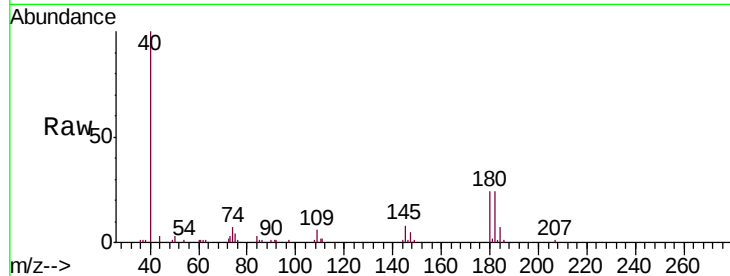




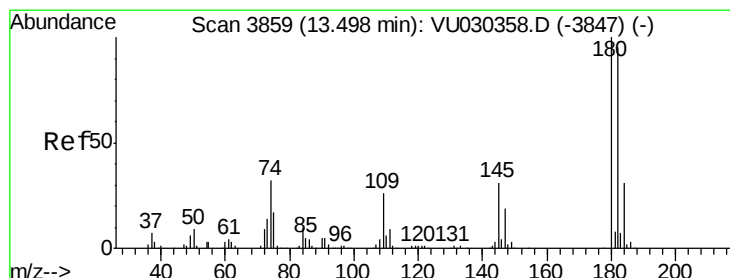
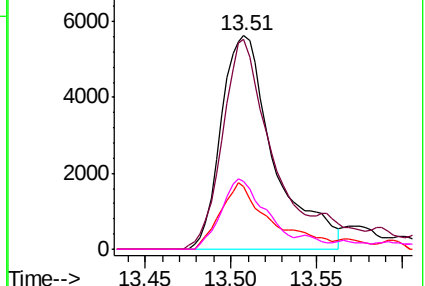
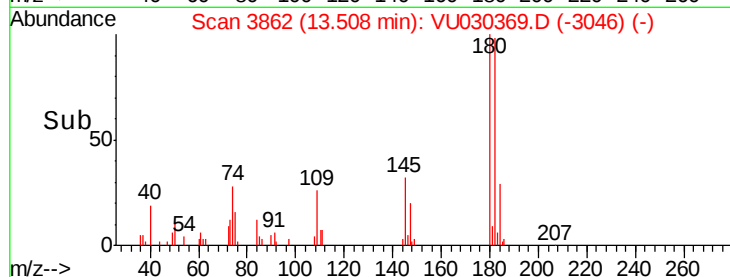
#67
 1,3,5-Trichlorobenzene
 Concen: 2.895 ug/L
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.62 min
 Lab File: VU030369.D
 Acq: 24 Mar 2019 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C0980

Tgt Ion:	180	Resp:	12022
Ion	Ratio	Lower	Upper
180	100		
182	88.3	75.9	113.9
184	29.8	24.1	36.1
145	27.4	23.8	35.8

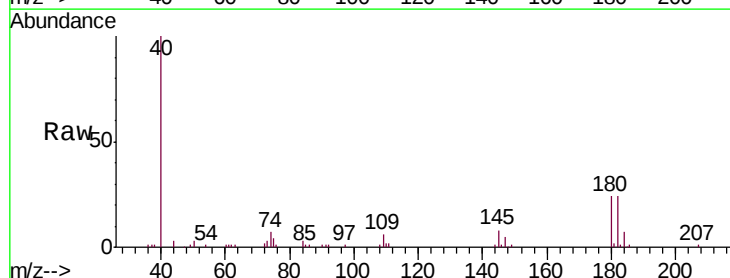


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.331 ug/L
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU030369.D
 Acq: 24 Mar 2019 14:39

Tgt Ion:	180	Resp:	12022
Ion	Ratio	Lower	Upper
180	100		
182	88.3	76.1	114.1
145	27.4	24.5	36.7



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

