

Data File : VU030396.D
Acq On : 25 Mar 2019 04:01
Operator : JC/SP
Sample : K2070-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D6

Quant Time: Mar 25 05:54:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	412884	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	399611	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182196	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	115374	34.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.44%
7) Chloroethane-d5	1.68	69	110247	41.86	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.72%
11) 1,1-Dichloroethene-d2	2.27	63	190707	30.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.52%
21) 2-Butanone-d5	4.17	46	301658	96.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.57%
24) Chloroform-d	4.64	84	263795	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.16%
26) 1,2-Dichloroethane-d4	5.31	65	175419	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.64%
32) Benzene-d6	5.34	84	535882	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
36) 1,2-Dichloropropane-d6	6.33	67	191031	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.44%
41) Toluene-d8	7.56	98	468303	45.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.85	79	78768	42.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.44%
47) 2-Hexanone-d5	8.31	63	201798	94.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	260431	46.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.84%
64) 1,2-Dichlorobenzene-d4	12.05	152	39	0.01	ug/L	0.19
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.02%#

Target Compounds

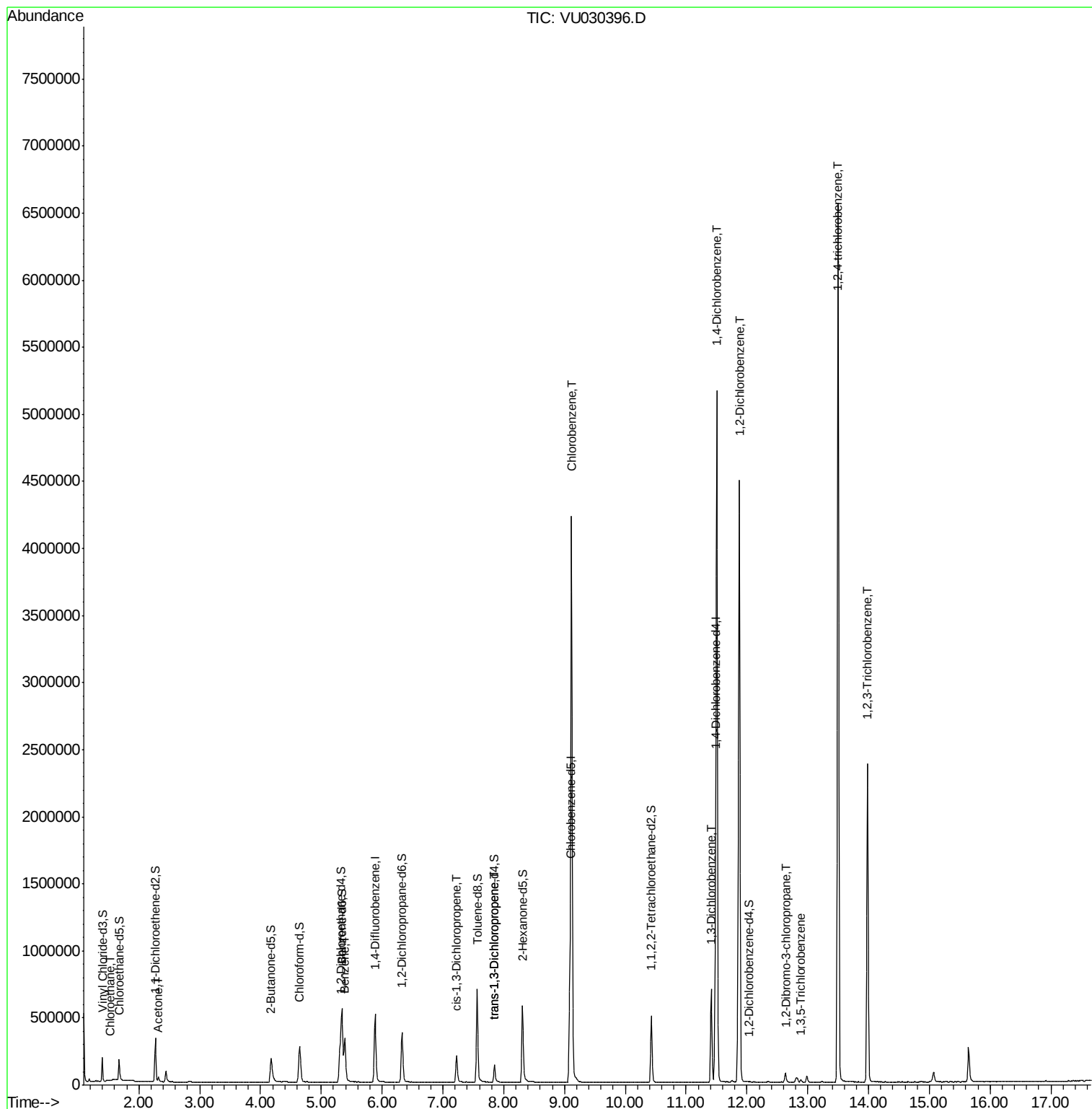
					Qvalue
8) Chloroethane	1.52	64	2117	0.776 ug/L #	53
13) Acetone	2.32	43	33311	10.545 ug/L	96
33) Benzene	5.39	78	315806	23.216 ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	4465	0.805 ug/L #	63
44) trans-1,3-Dichloropropene	7.85	75	3316	0.679 ug/L	100
51) Chlorobenzene	9.12	112	2156090	251.990 ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	269804	45.282 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1923987	313.664 ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	1669886	277.169 ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	13723	10.230 ug/L #	7
67) 1,3,5-Trichlorobenzene	12.88	180	5794	1.299 ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	1939470	500.425 ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	703579	171.919 ug/L	99

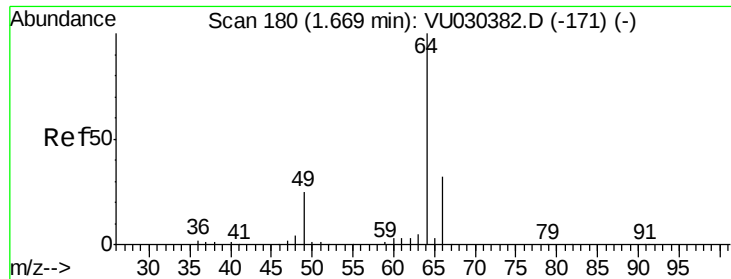
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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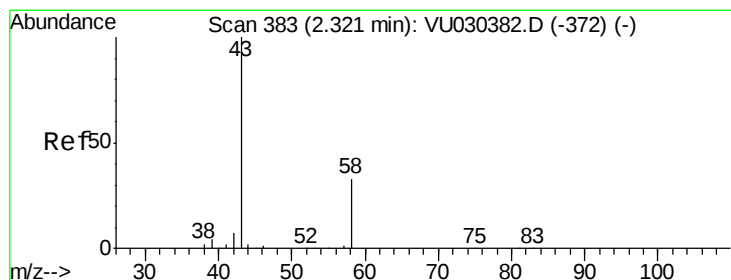
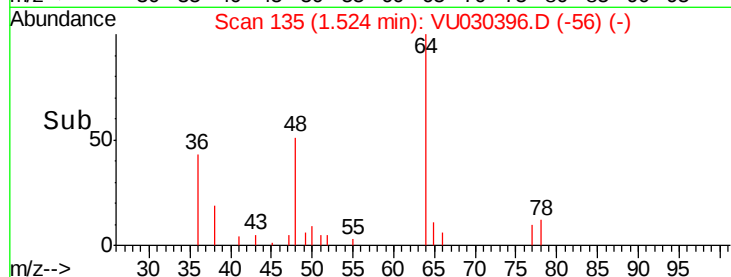
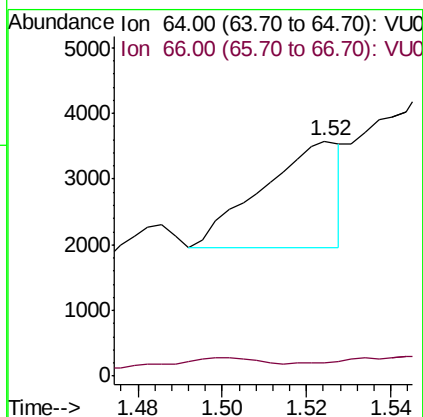
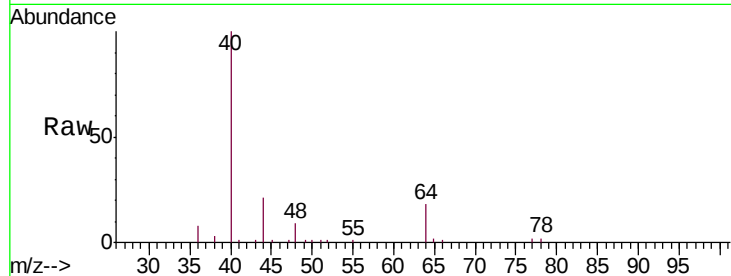




#8
Chloroethane
Concen: 0.776 ug/L
RT: 1.52 min Scan# 135
Delta R.T. -0.14 min
Lab File: VU030396.D
Acq: 25 Mar 2019 04:01

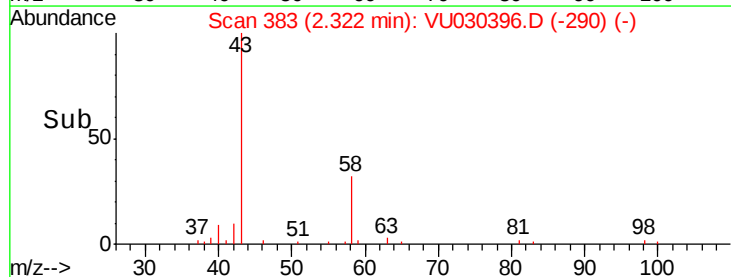
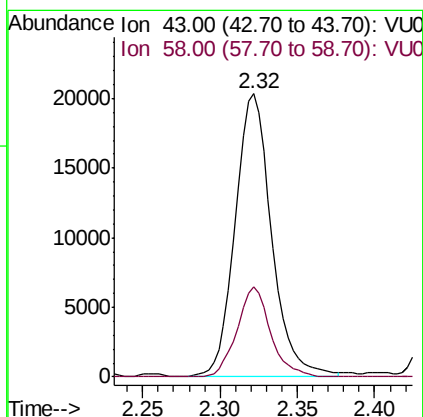
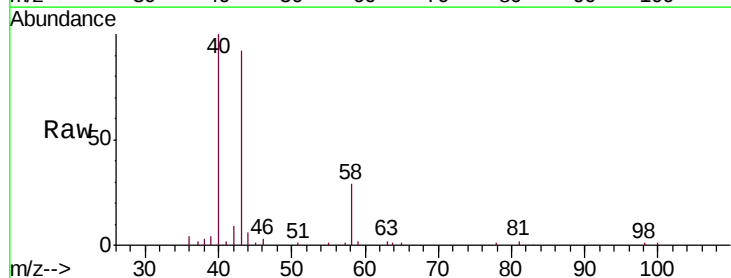
Instrument :
MSVOA_U
ClientSampled :
C09D6

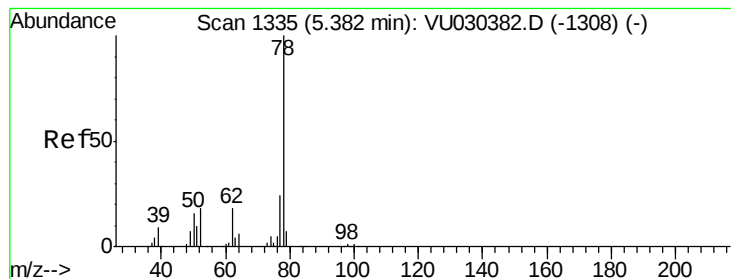
Tgt Ion: 64 Resp: 2117
Ion Ratio Lower Upper
64 100
66 5.6 22.5 41.7#



#13
Acetone
Concen: 10.545 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030396.D
Acq: 25 Mar 2019 04:01

Tgt Ion: 43 Resp: 33311
Ion Ratio Lower Upper
43 100
58 29.2 0.0 62.8





#33

Benzene

Concen: 23.216 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030396.D

Acq: 25 Mar 2019 04:01

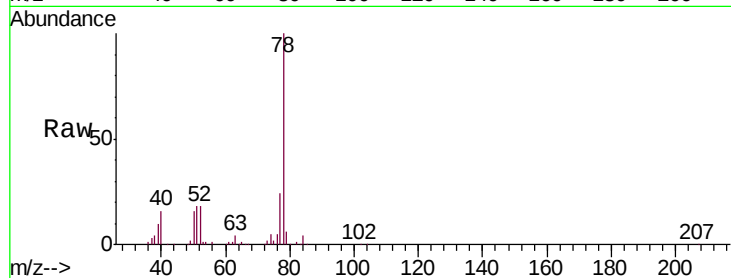
Instrument :

MSVOA_U

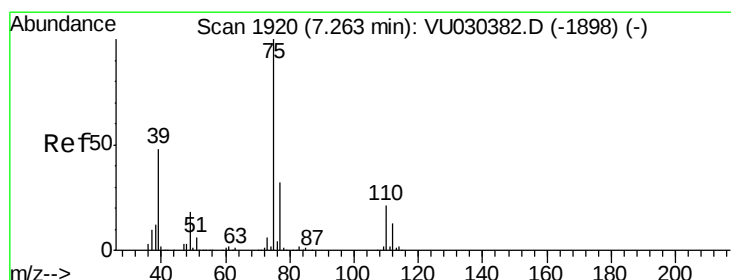
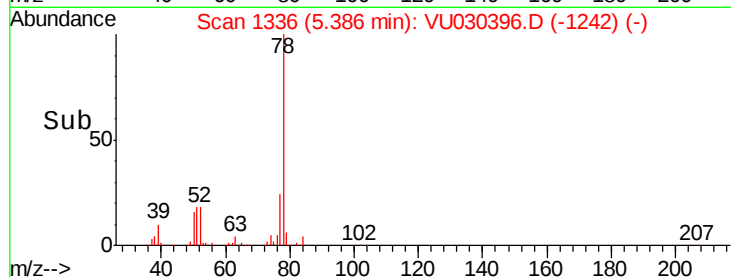
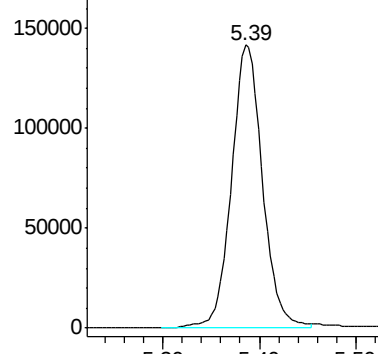
ClientSampleId :

C09D6

Tgt Ion: 78 Resp: 315806



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.805 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU030396.D

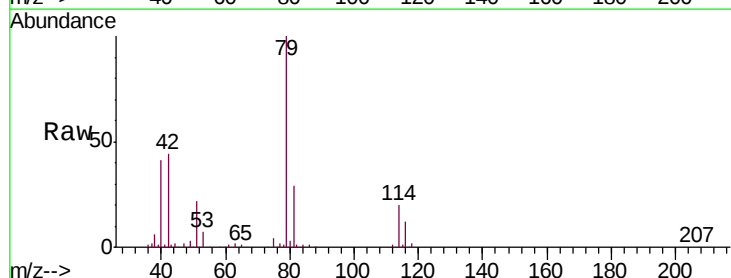
Acq: 25 Mar 2019 04:01

Tgt Ion: 75 Resp: 4465

Ion Ratio Lower Upper

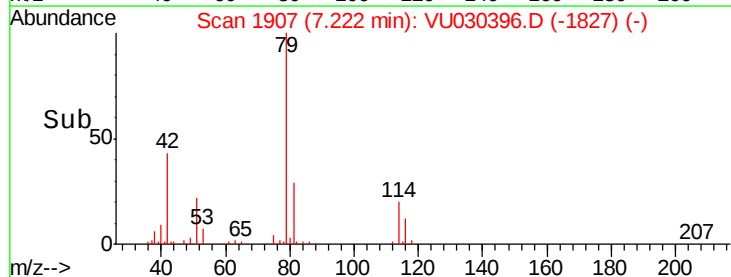
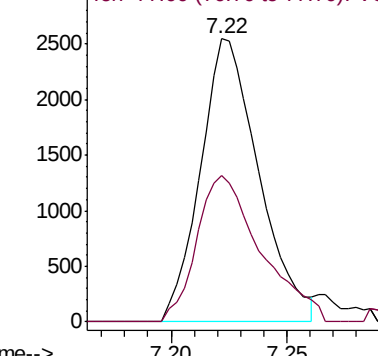
75 100

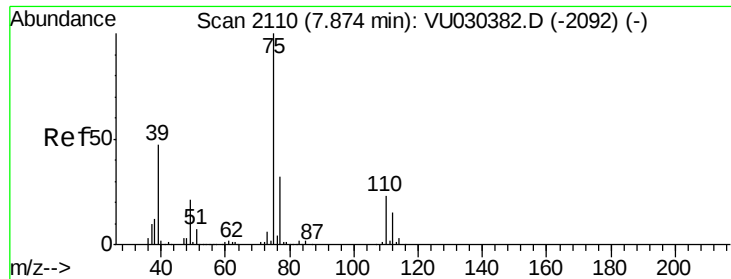
77 51.6 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.679 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030396.D

Acq: 25 Mar 2019 04:01

Instrument :

MSVOA_U

ClientSampleId :

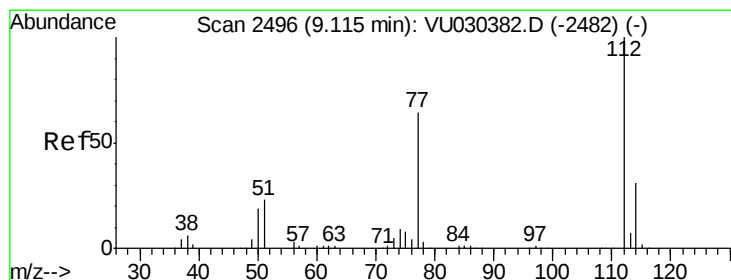
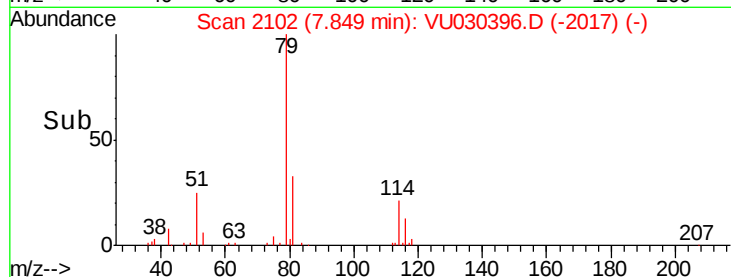
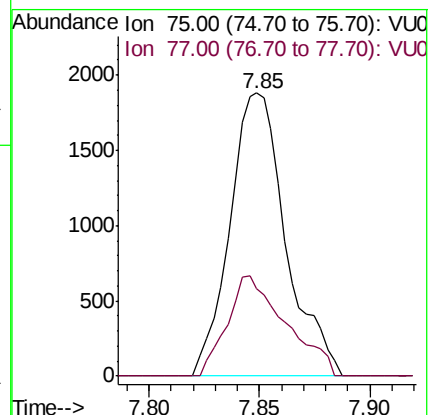
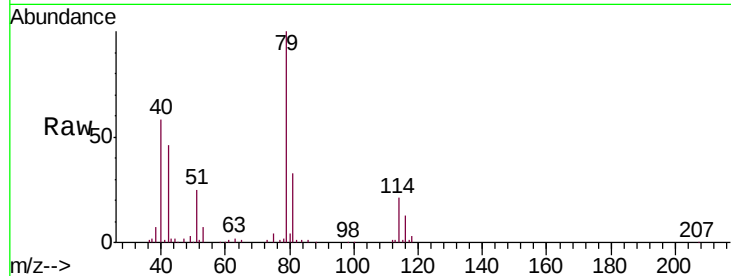
C09D6

Tgt Ion: 75 Resp: 3316

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8



#51

Chlorobenzene

Concen: 251.990 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030396.D

Acq: 25 Mar 2019 04:01

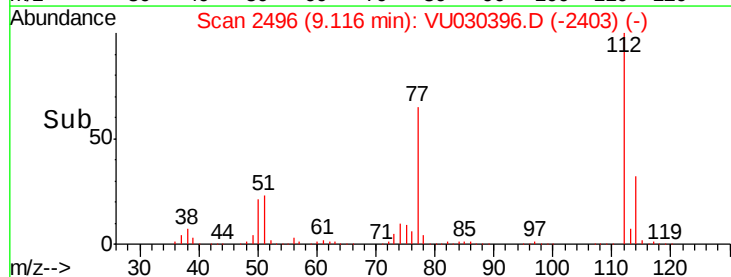
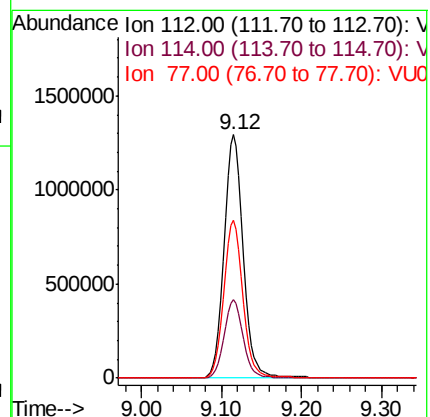
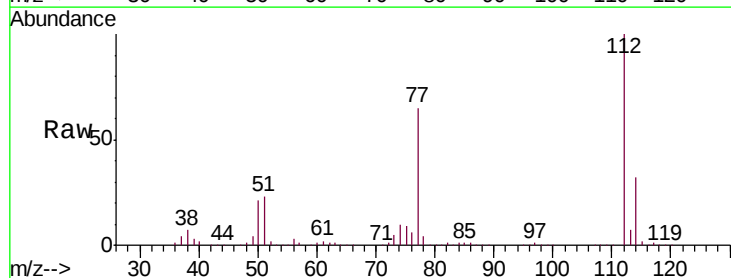
Tgt Ion: 112 Resp: 2156090

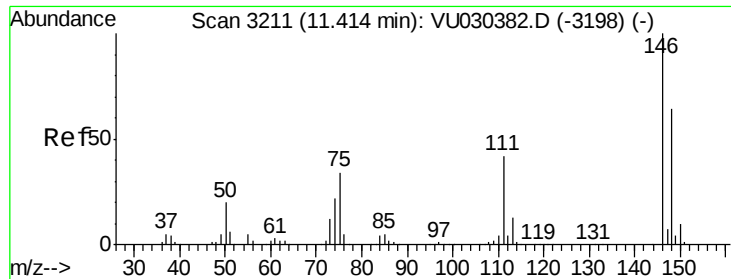
Ion Ratio Lower Upper

112 100

114 32.2 21.5 39.9

77 64.9 51.4 77.0

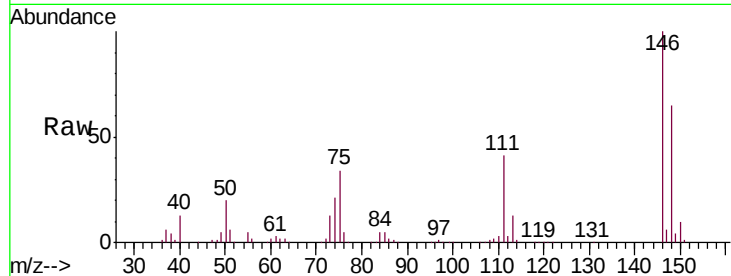




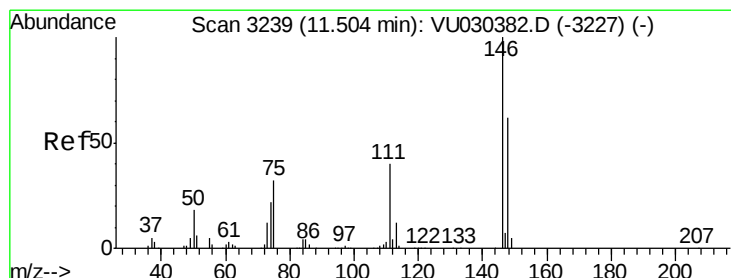
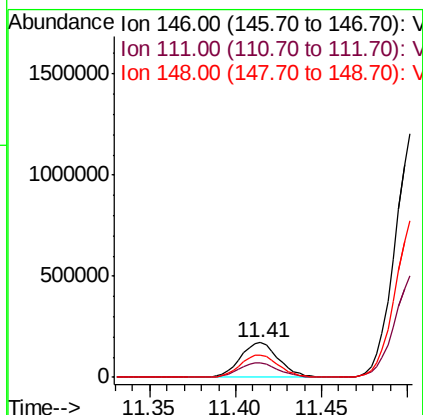
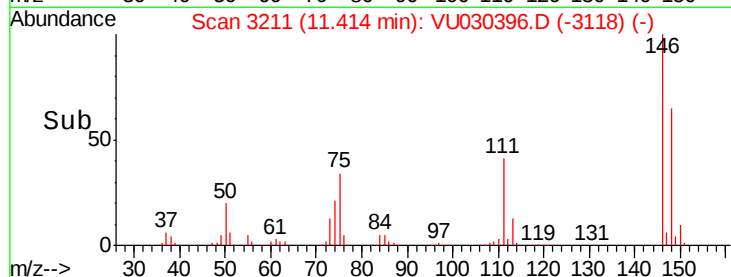
#62
 1,3-Dichlorobenzene
 Concen: 45.282 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030396.D
 Acq: 25 Mar 2019 04:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6

Tgt Ion:146 Resp: 269804
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.2 54.2
 148 64.7 44.4 82.4

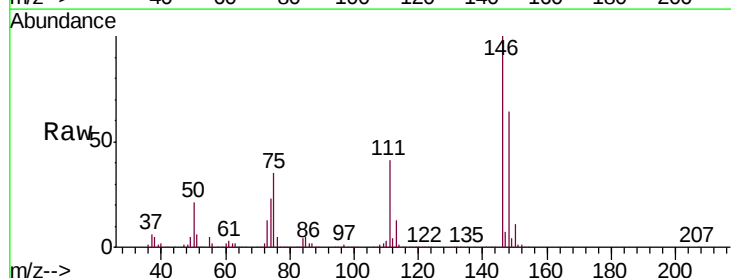


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

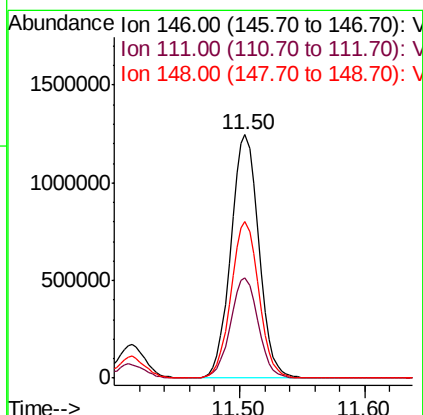
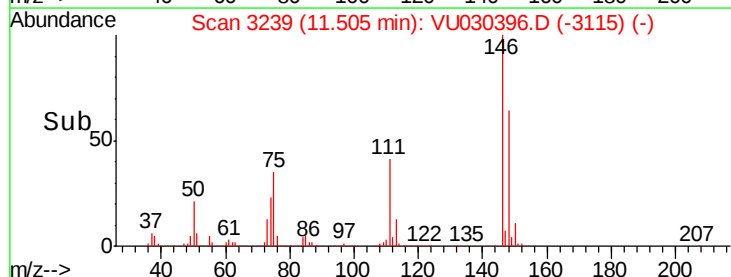


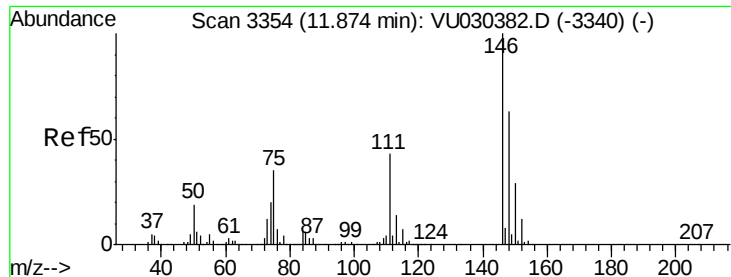
#63
 1,4-Dichlorobenzene
 Concen: 313.664 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030396.D
 Acq: 25 Mar 2019 04:01

Tgt Ion:146 Resp: 1923987
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.7 53.3
 148 64.1 44.3 82.3



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

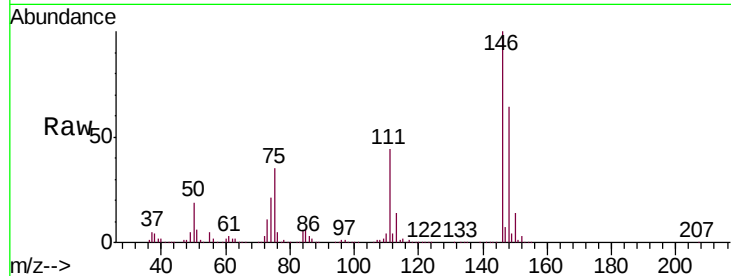




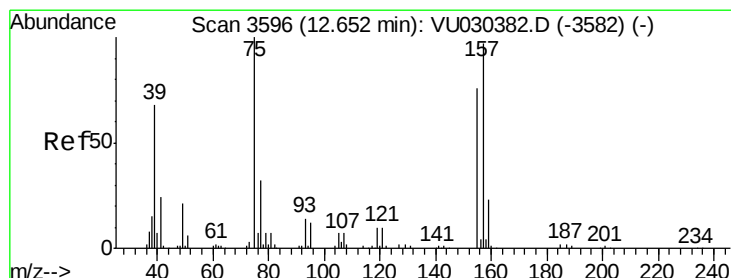
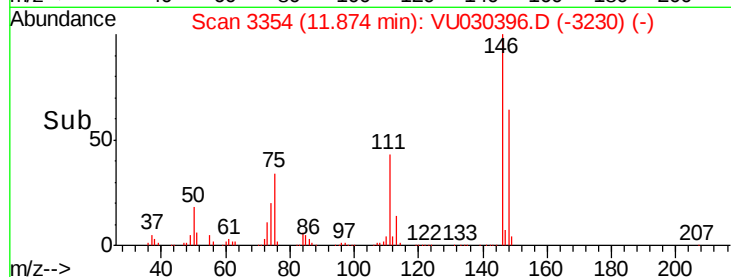
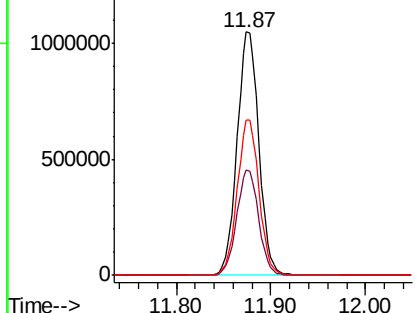
#65
 1,2-Dichlorobenzene
 Concen: 277.169 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030396.D
 Acq: 25 Mar 2019 04:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6

Tgt Ion:146 Resp: 1669886
 Ion Ratio Lower Upper
 146 100
 111 43.5 34.9 52.3
 148 63.8 51.2 76.8

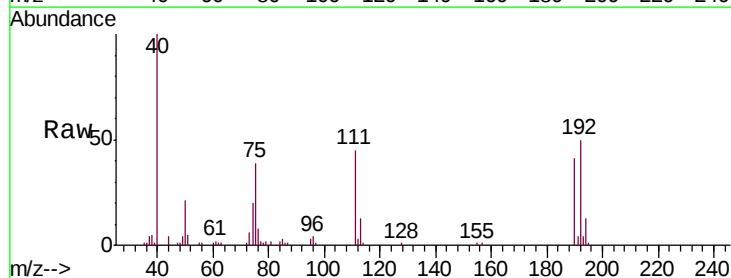


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

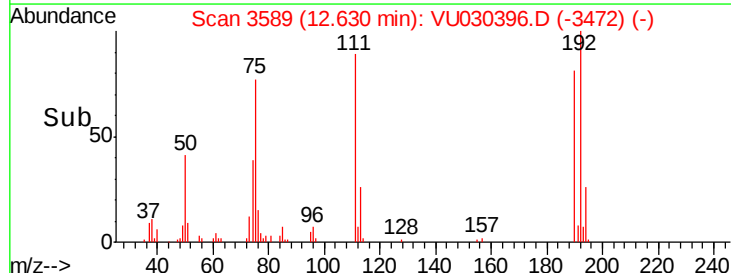
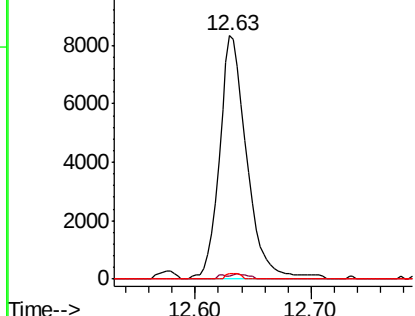


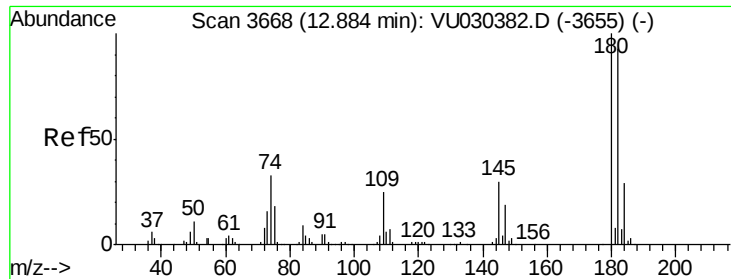
#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.230 ug/L
 RT: 12.63 min Scan# 3589
 Delta R.T. -0.02 min
 Lab File: VU030396.D
 Acq: 25 Mar 2019 04:01

Tgt Ion: 75 Resp: 13723
 Ion Ratio Lower Upper
 75 100
 155 1.4 61.8 92.6#
 157 2.1 80.2 120.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

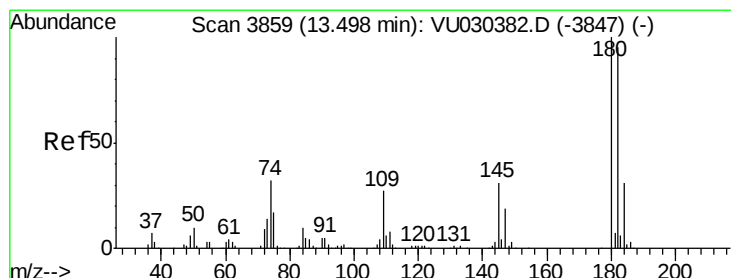
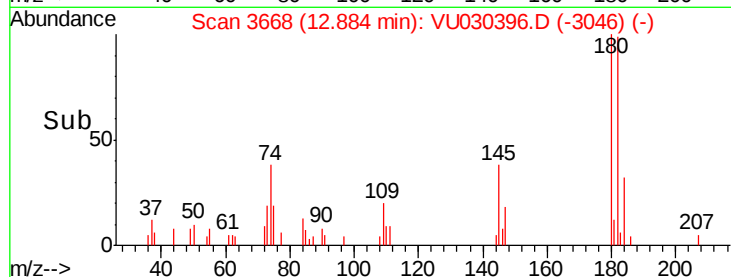
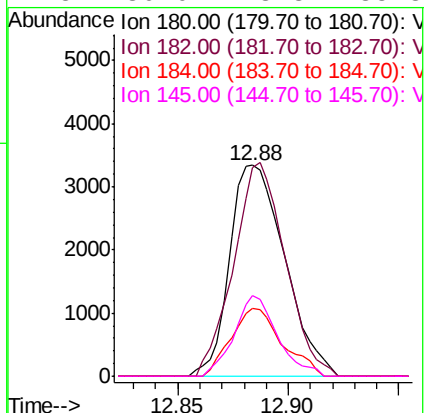
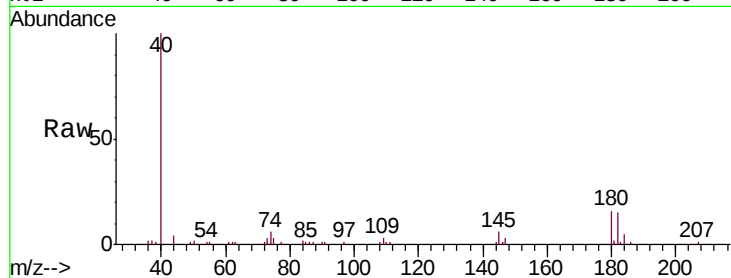




#67
 1,3,5-Trichlorobenzene
 Concen: 1.299 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030396.D
 Acq: 25 Mar 2019 04:01

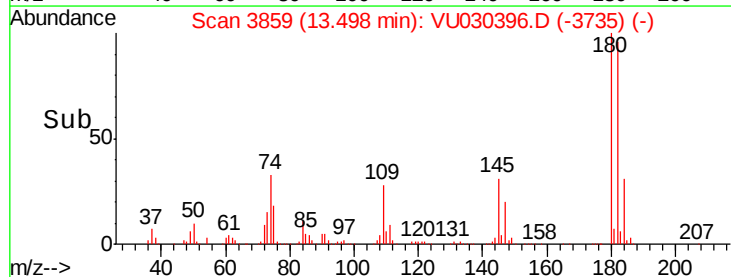
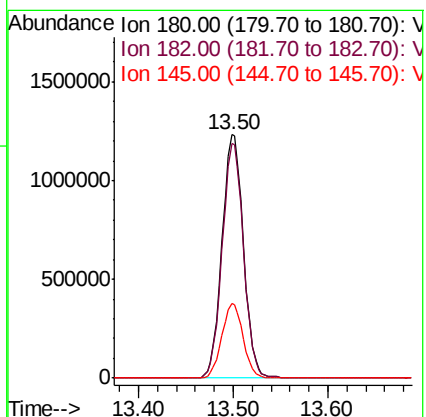
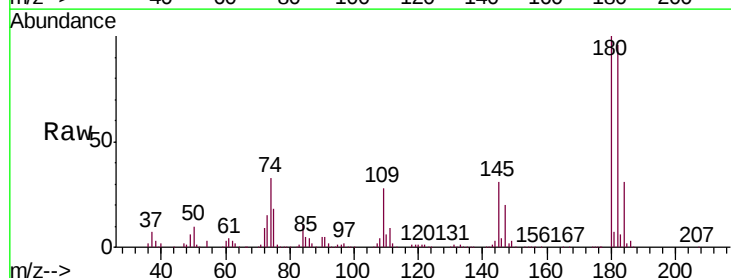
Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6

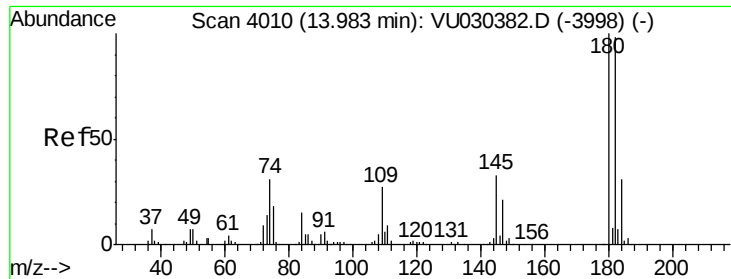
Tgt Ion:	180	Resp:	5794
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	29.9	24.1	36.1
145	30.0	23.8	35.8



#68
 1,2,4-trichlorobenzene
 Concen: 500.425 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030396.D
 Acq: 25 Mar 2019 04:01

Tgt Ion:	180	Resp:	1939470
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
145	30.4	24.5	36.7

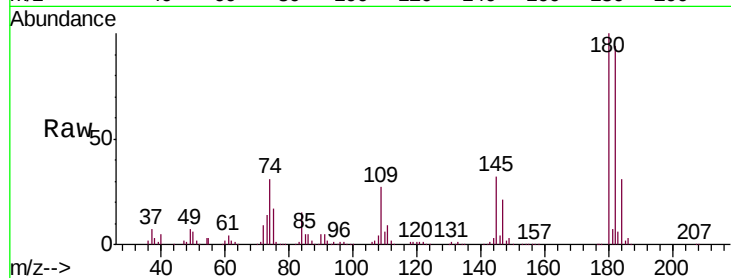




#70
 1,2,3-Trichlorobenzene
 Concen: 171.919 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU030396.D
 Acq: 25 Mar 2019 04:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6

Tgt Ion:180 Resp: 703579
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.4 116.2
 145 32.4 25.9 38.9



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

