

Data File : VU030390.D
Acq On : 25 Mar 2019 01:39
Operator : JC/SP
Sample : K2070-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09A8

Quant Time: Mar 25 05:53:13 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	415348	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	392016	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	173155	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	125402	37.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.04%
7) Chloroethane-d5	1.68	69	111452	42.07	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.14%
11) 1,1-Dichloroethene-d2	2.27	63	193091	30.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.90%
21) 2-Butanone-d5	4.17	46	293837	93.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.51%
24) Chloroform-d	4.65	84	260554	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.48%
26) 1,2-Dichloroethane-d4	5.31	65	175935	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
32) Benzene-d6	5.34	84	529486	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.33	67	186732	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.10%
41) Toluene-d8	7.56	98	459365	45.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.85	79	76420	42.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.50%
47) 2-Hexanone-d5	8.31	63	196126	94.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	254158	46.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	170842	49.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.48%

Target Compounds

					Qvalue
8) Chloroethane	1.41	64	5177	1.887 ug/L	87
13) Acetone	2.32	43	11281	3.550 ug/L	95
27) 1,2-Dichloroethane	5.38	62	31169	6.532 ug/L #	75
31) Carbon tetrachloride	5.13	117	3950	0.971 ug/L	88
33) Benzene	5.39	78	3820588	286.302 ug/L	100
51) Chlorobenzene	9.12	112	3925058	467.623 ug/L	98
59) 1,2,3-Trichloropropane	11.41	75	23407	5.078 ug/L #	44
62) 1,3-Dichlorobenzene	11.41	146	70693	12.484 ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	1227700	210.600 ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	1001277	174.870 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	84080	19.834 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	84080	22.827 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	10548	2.712 ug/L	92

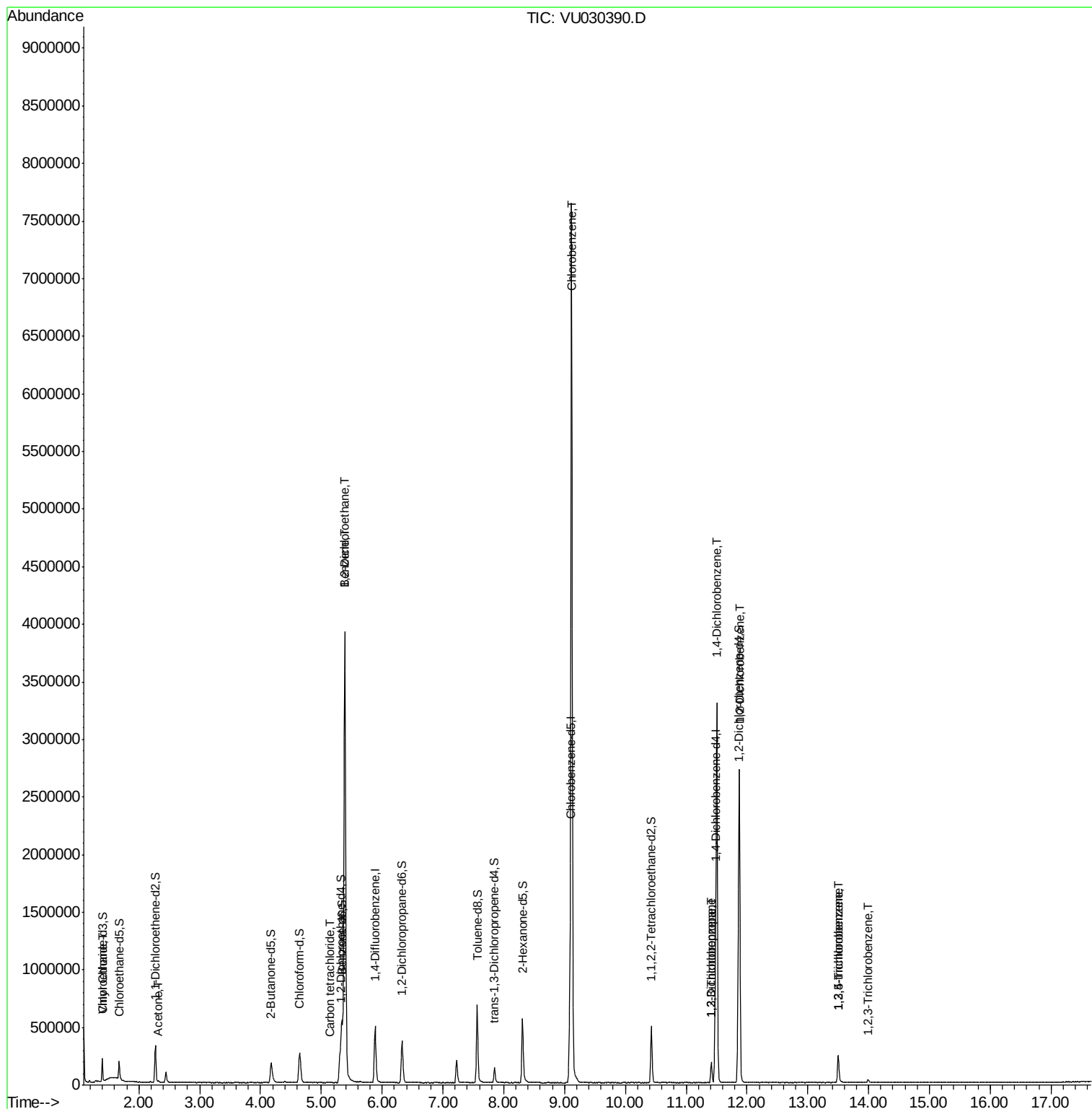
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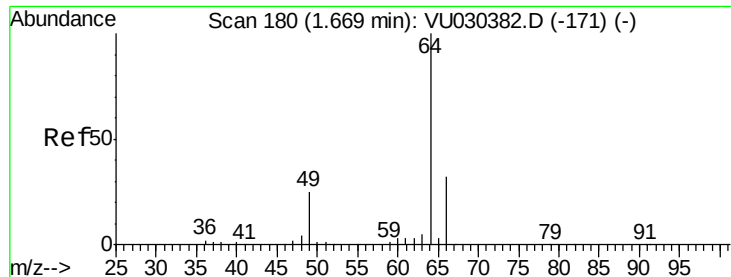
Data File : VU030390.D

```
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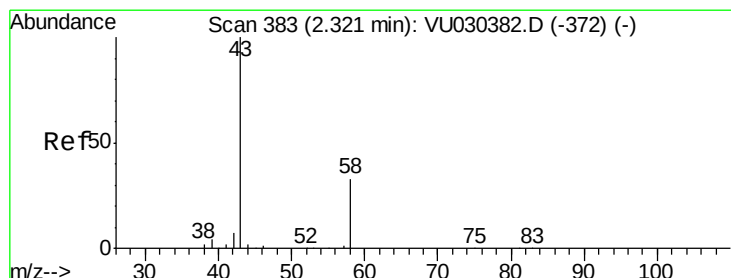
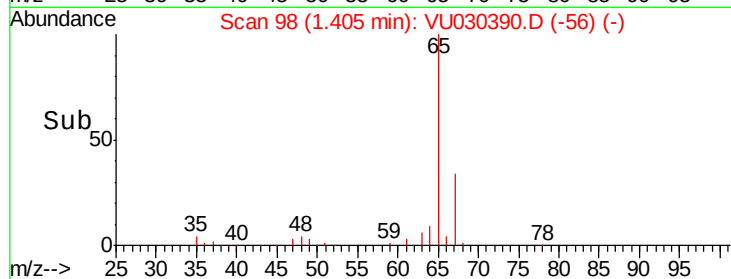
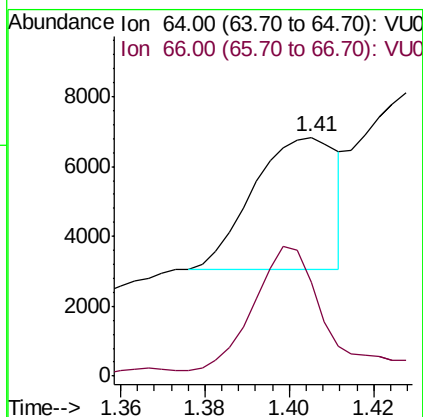
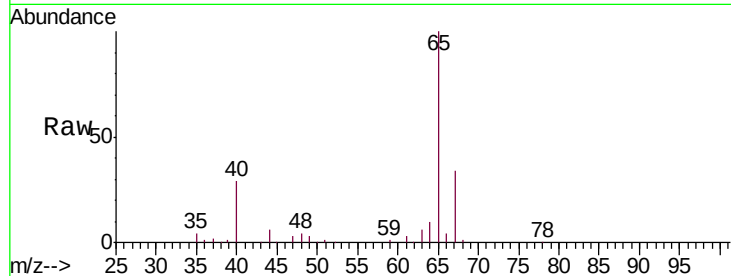




#8
 Chloroethane
 Concen: 1.887 ug/L
 RT: 1.41 min Scan# 98
 Delta R.T. -0.26 min
 Lab File: VU030390.D
 Acq: 25 Mar 2019 01:39

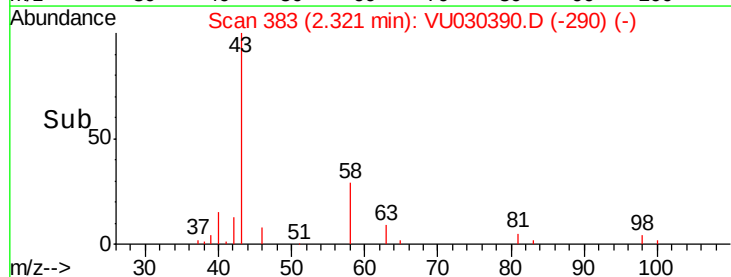
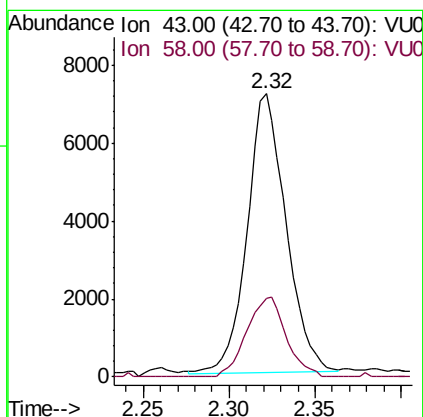
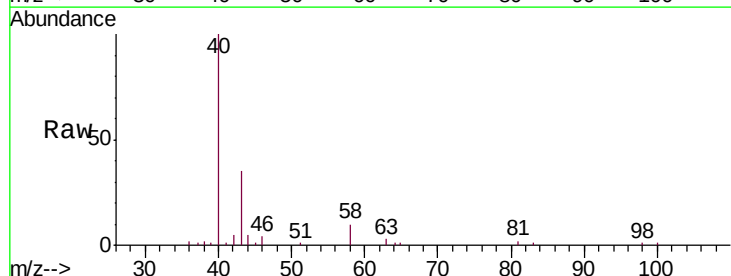
Instrument :
 MSVOA_U
 ClientSampleId :
 C09A8

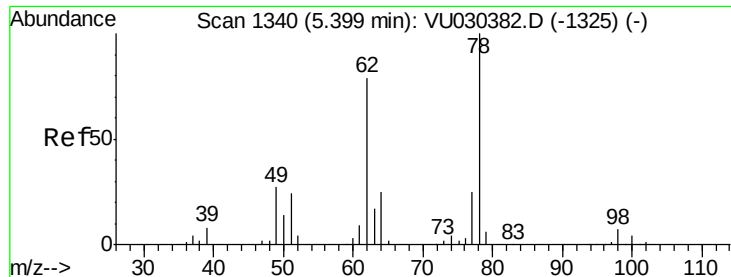
Tgt Ion: 64 Resp: 5177
 Ion Ratio Lower Upper
 64 100
 66 39.2 22.5 41.7



#13
 Acetone
 Concen: 3.550 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU030390.D
 Acq: 25 Mar 2019 01:39

Tgt Ion: 43 Resp: 11281
 Ion Ratio Lower Upper
 43 100
 58 28.6 0.0 62.8

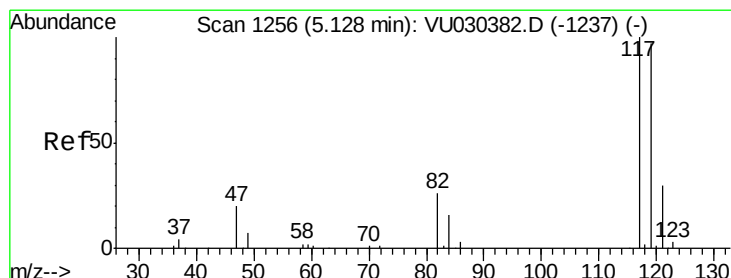
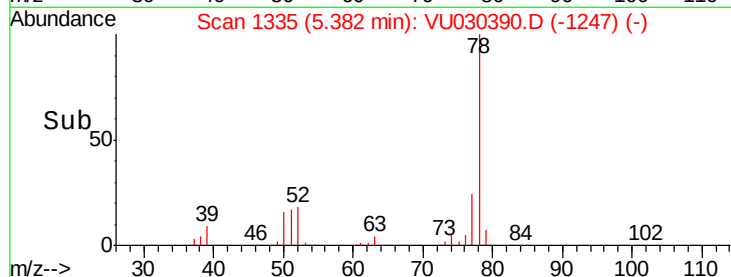
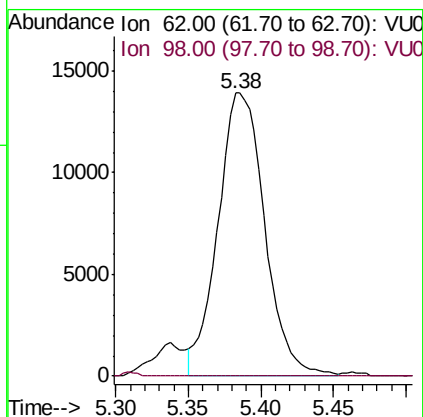
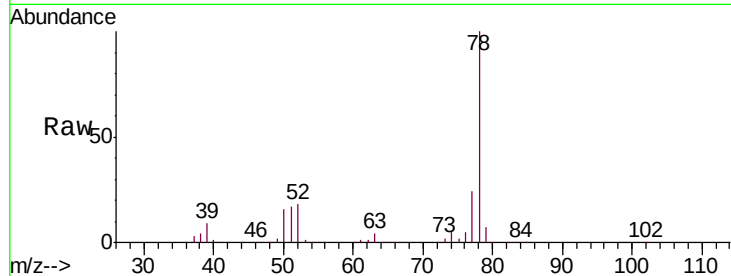




#27
 1,2-Dichloroethane
 Concen: 6.532 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: VU030390.D
 Acq: 25 Mar 2019 01:39

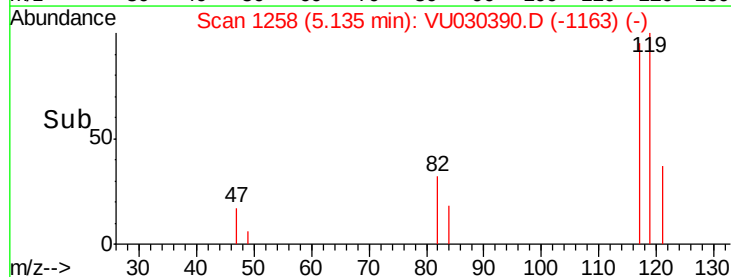
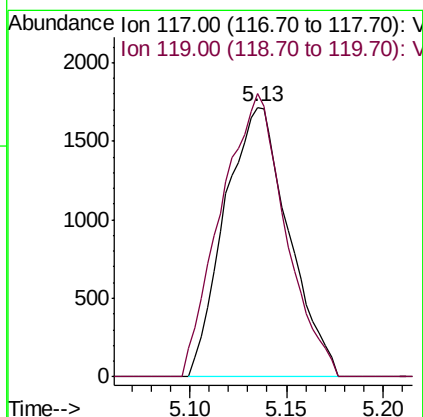
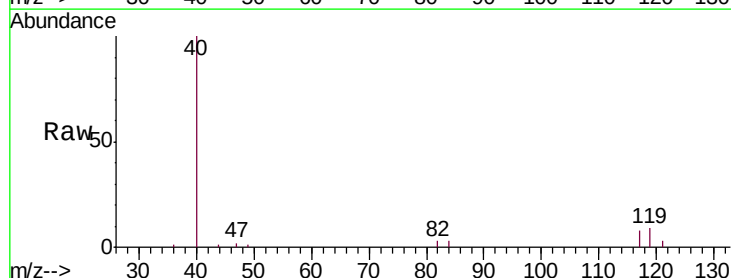
Instrument :
 MSVOA_U
 ClientSampleId :
 C09A8

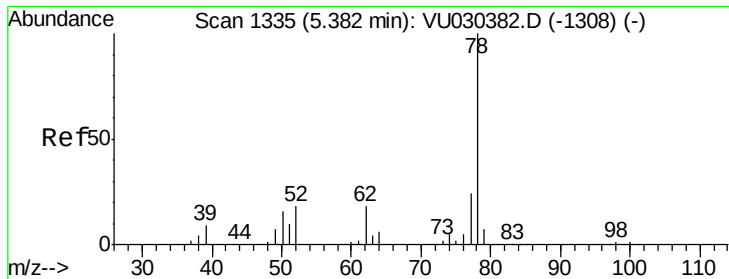
Tgt Ion: 62 Resp: 31169
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#31
 Carbon tetrachloride
 Concen: 0.971 ug/L
 RT: 5.13 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: VU030390.D
 Acq: 25 Mar 2019 01:39

Tgt Ion: 117 Resp: 3950
 Ion Ratio Lower Upper
 117 100
 119 105.6 75.4 113.2





#33

Benzene

Concen: 286.302 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030390.D

Acq: 25 Mar 2019 01:39

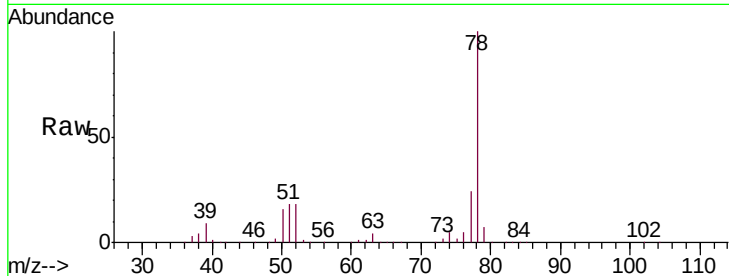
Instrument :

MSVOA_U

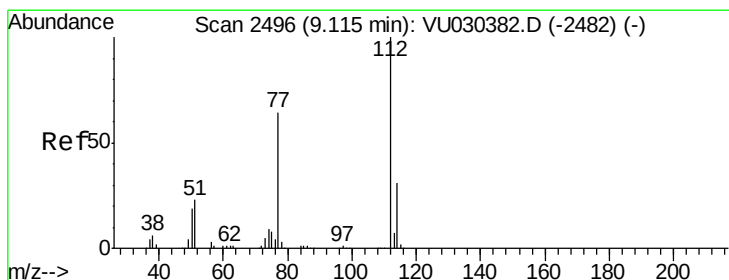
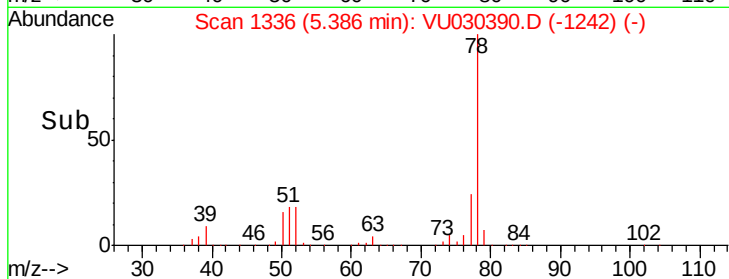
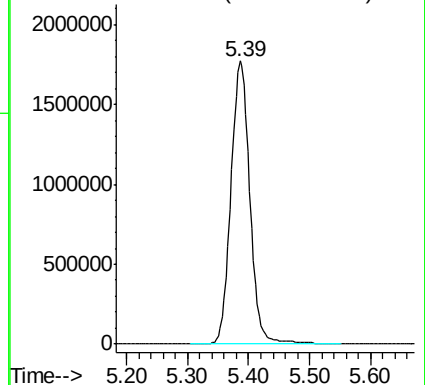
ClientSampleId :

C09A8

Tgt Ion: 78 Resp: 3820588



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 467.623 ug/L

RT: 9.12 min Scan# 2496

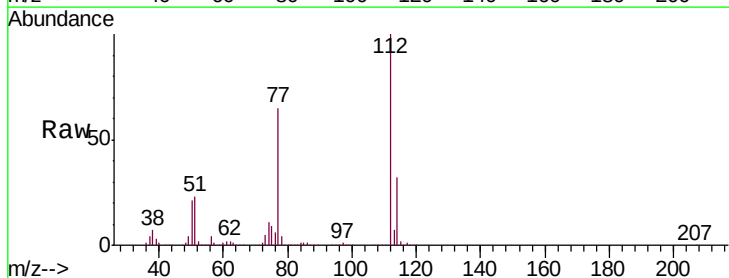
Delta R.T. 0.00 min

Lab File: VU030390.D

Acq: 25 Mar 2019 01:39

Tgt Ion: 112 Resp: 3925058

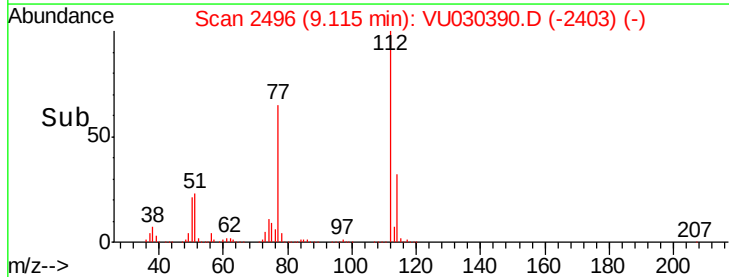
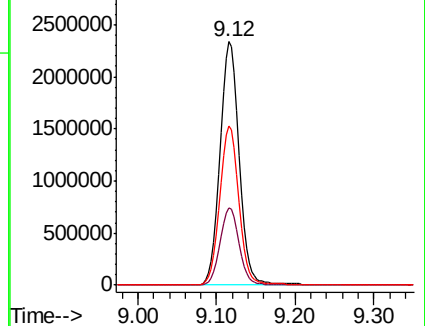
Ion	Ratio	Lower	Upper
112	100		
114	31.8	21.5	39.9
77	65.4	51.4	77.0

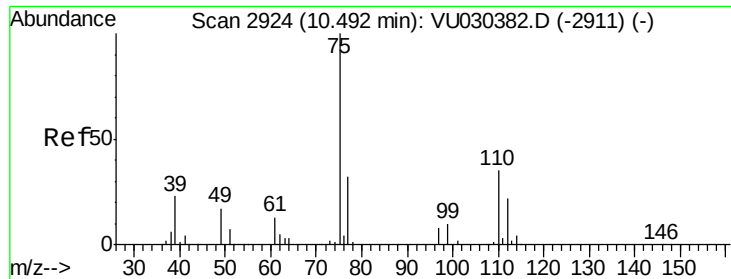


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

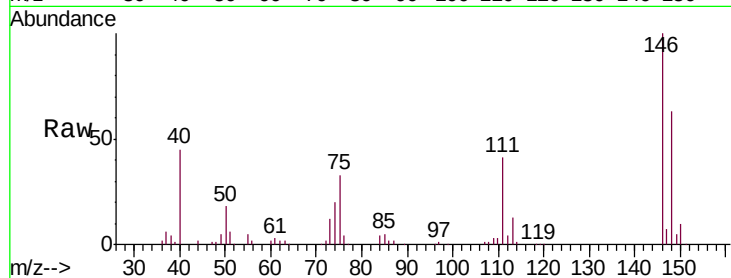




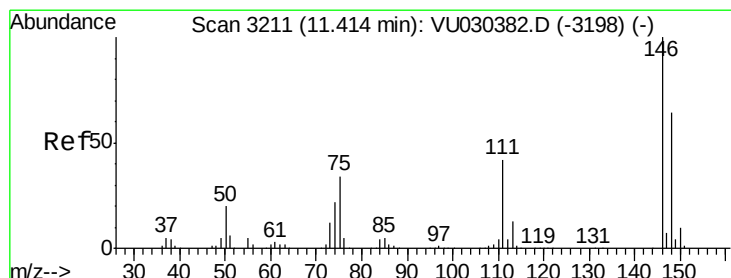
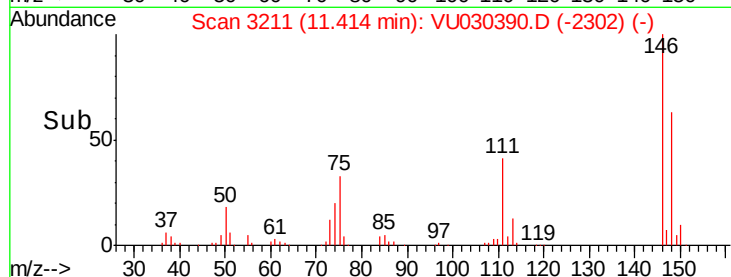
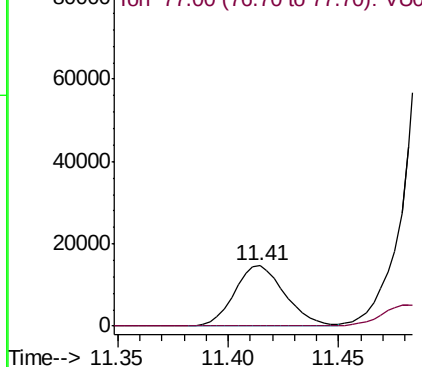
#59
 1,2,3-Trichloropropane
 Concen: 5.078 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.92 min
 Lab File: VU030390.D
 Acq: 25 Mar 2019 01:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A8

Tgt Ion: 75 Resp: 23407
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.2#

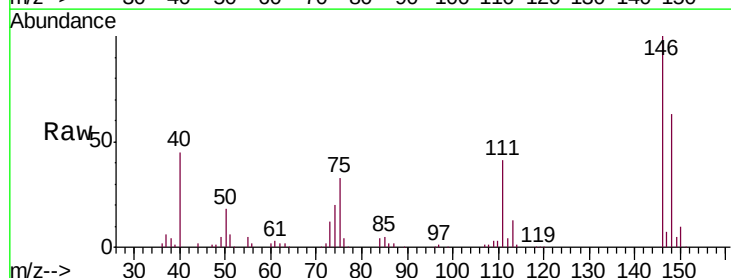


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

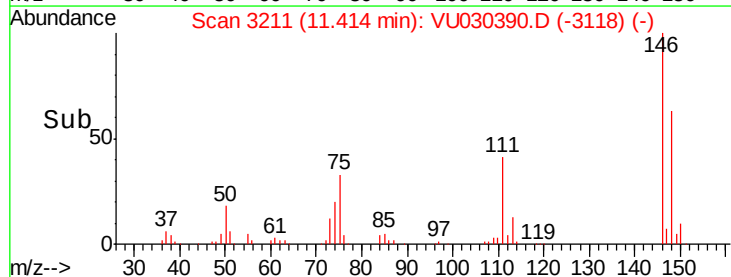
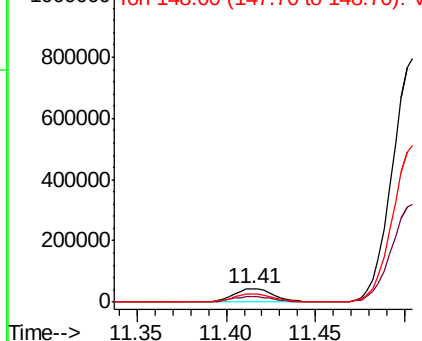


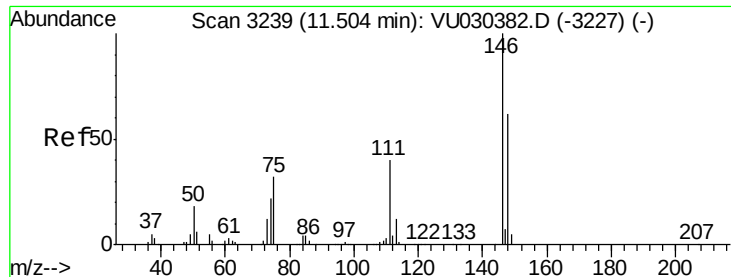
#62
 1,3-Dichlorobenzene
 Concen: 12.484 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030390.D
 Acq: 25 Mar 2019 01:39

Tgt Ion: 146 Resp: 70693
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.2 54.2
 148 63.4 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: 210.600 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030390.D

Acq: 25 Mar 2019 01:39

Instrument :

MSVOA_U

ClientSampleId :

C09A8

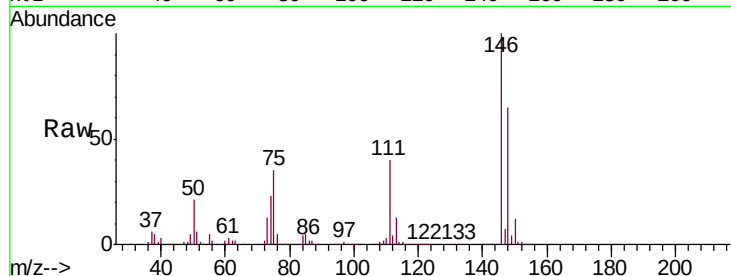
Tgt Ion:146 Resp: 1227700

Ion Ratio Lower Upper

146 100

111 40.3 28.7 53.3

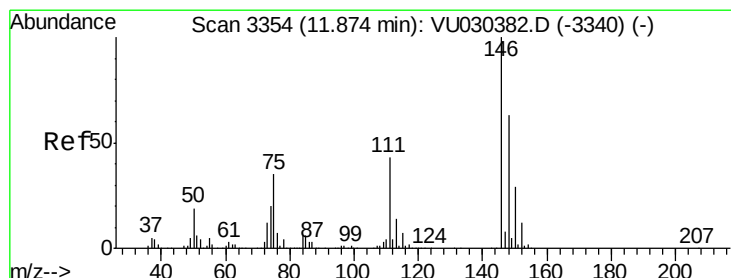
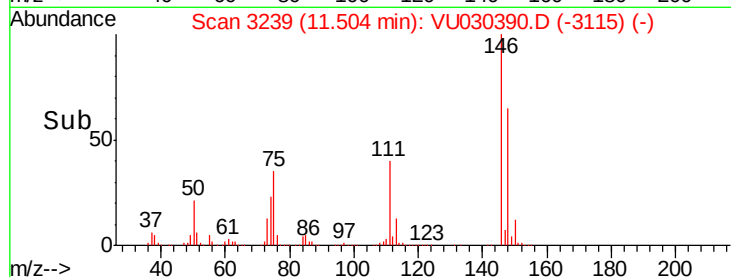
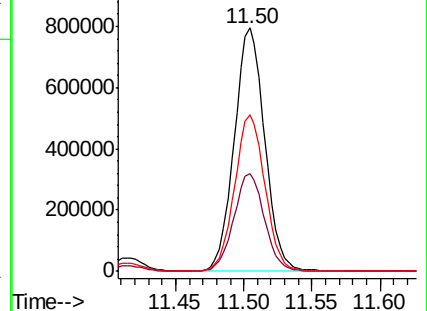
148 64.5 44.3 82.3



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: 174.870 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030390.D

Acq: 25 Mar 2019 01:39

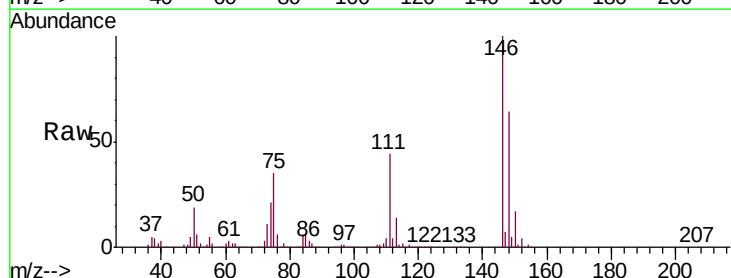
Tgt Ion:146 Resp: 1001277

Ion Ratio Lower Upper

146 100

111 44.4 34.9 52.3

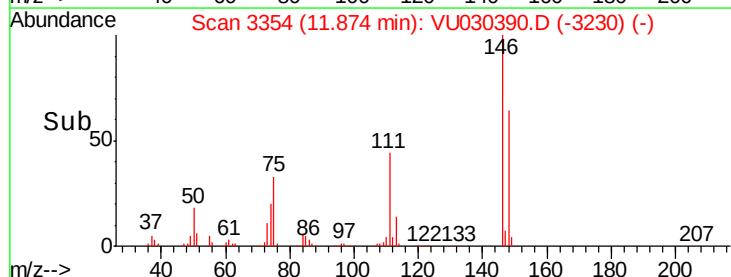
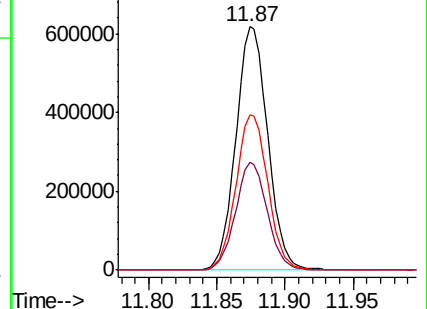
148 63.9 51.2 76.8

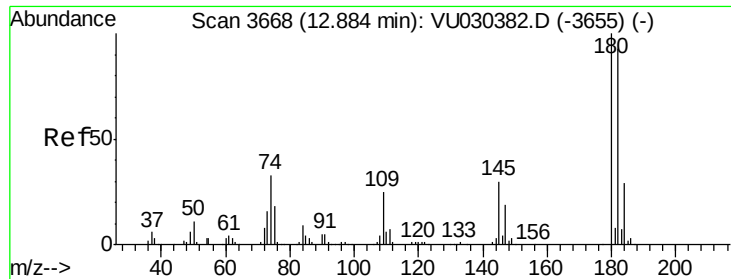


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

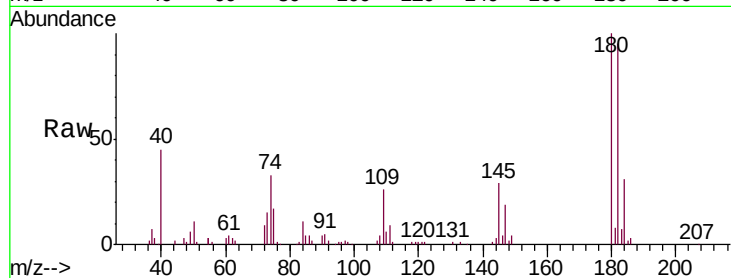




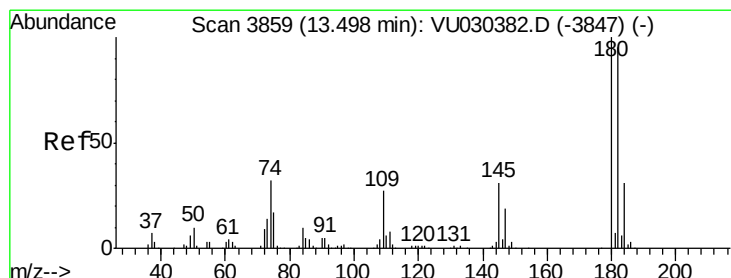
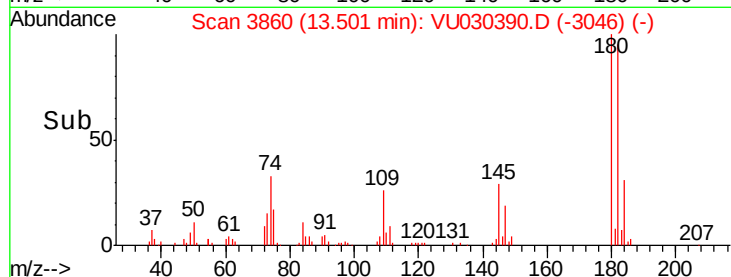
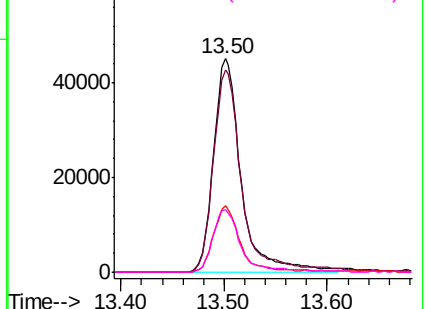
#67
 1,3,5-Trichlorobenzene
 Concen: 19.834 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030390.D
 Acq: 25 Mar 2019 01:39

Instrument :
 MSVOA_U
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Tgt Ion:180 Resp: 84080
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.9 113.9
 184 28.9 24.1 36.1
 145 28.0 23.8 35.8

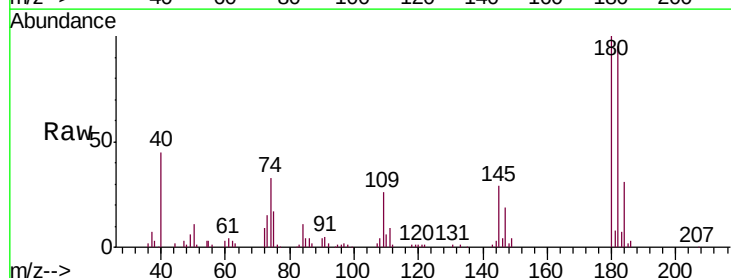


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

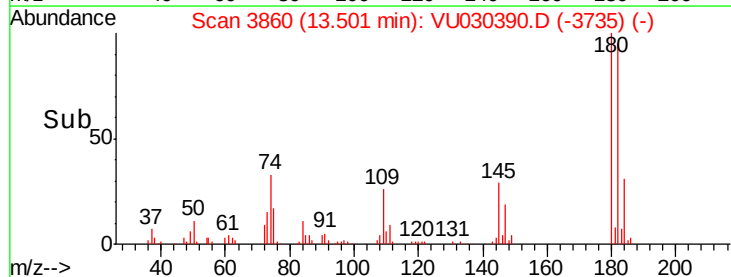
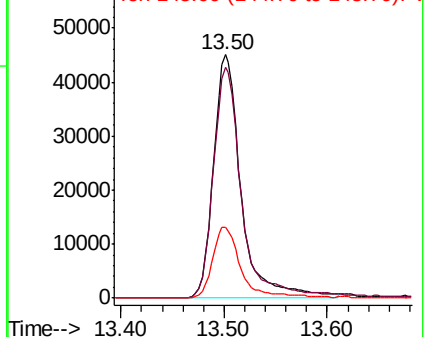


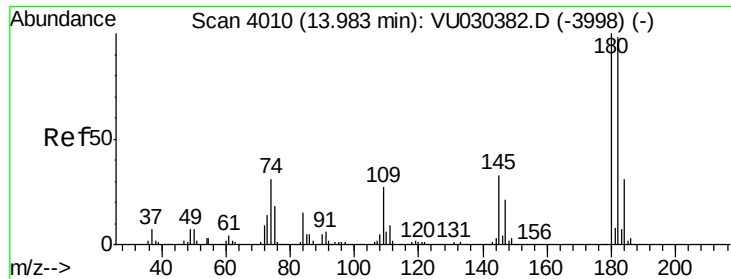
#68
 1,2,4-trichlorobenzene
 Concen: 22.827 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030390.D
 Acq: 25 Mar 2019 01:39

Tgt Ion:180 Resp: 84080
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.1 114.1
 145 28.0 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

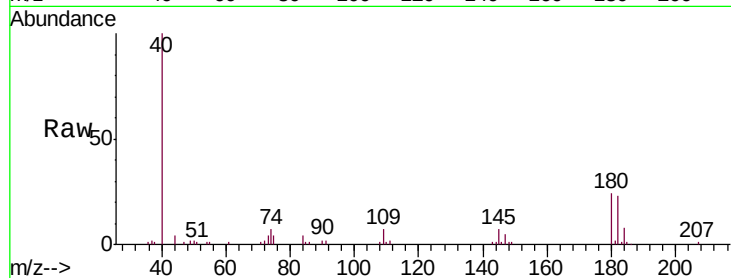




#70
 1,2,3-Trichlorobenzene
 Concen: 2.712 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030390.D
 Acq: 25 Mar 2019 01:39

Instrument :
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 C09A8

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	77.4	116.2
145	27.2	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

