

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026032.D
 Acq On : 10 Aug 2018 06:09
 Operator : MD/SY
 Sample : J4401-20 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 08:32:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 07:39:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	291004	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	273162	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	128780	50.00	ug/L	0.00

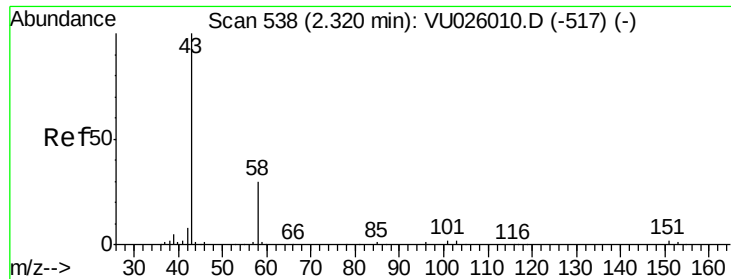
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72772	34.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.42%
7) Chloroethane-d5	1.68	69	65439	38.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.60%
11) 1,1-Dichloroethene-d2	2.27	63	110706	27.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.78%#
21) 2-Butanone-d5	4.18	46	146025	82.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.37%
24) Chloroform-d	4.65	84	185161	41.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.10%
26) 1,2-Dichloroethane-d4	5.31	65	128254	42.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.18%
32) Benzene-d6	5.35	84	352188	41.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.04%
36) 1,2-Dichloropropane-d6	6.33	67	116297	42.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.74%
41) Toluene-d8	7.57	98	320769	39.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.06%#
43) trans-1,3-Dichloropropene-	7.85	79	52902	38.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.52%
47) 2-Hexanone-d5	8.31	63	103543	83.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.06%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	169499	42.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	139037	43.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Ovalue
13) Acetone	2.32	43	3559	3.232 ug/L	98
51) Chlorobenzene	9.12	112	104166	18.707 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	25634	6.394 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	222491	52.939 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	234810	55.023 ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	458609	153.054 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	458609	180.991 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	112623	41.354 ug/L	98

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



#13

Acetone

Concen: 3.232 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026032.D

Acq: 10 Aug 2018 06:09

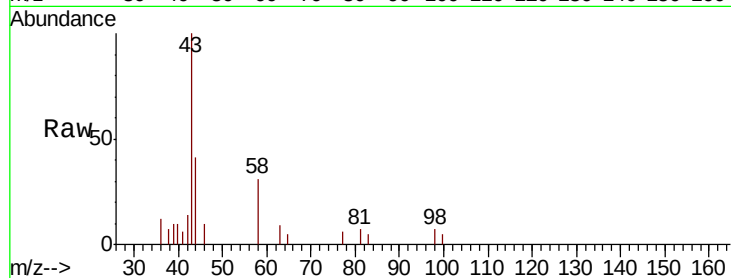
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3559

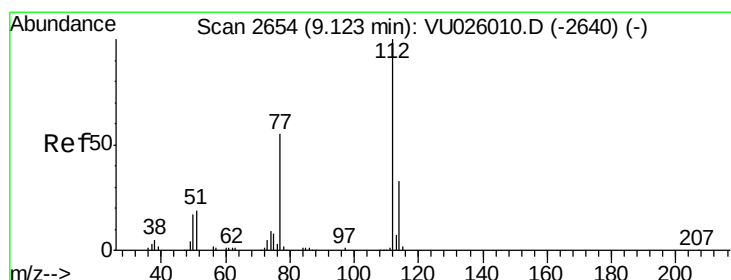
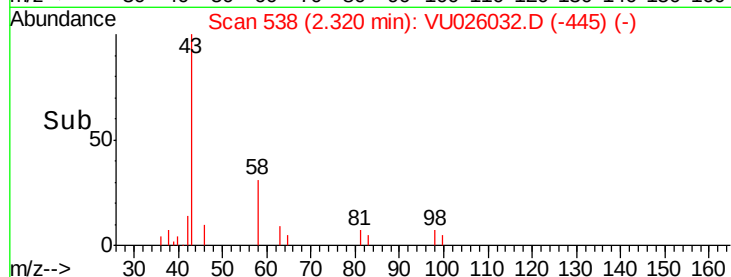
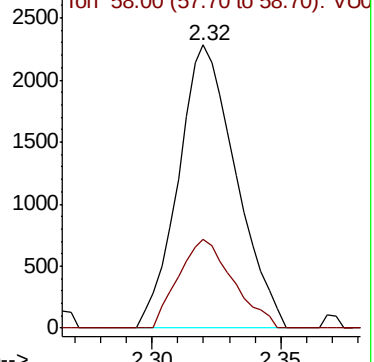
Ion Ratio Lower Upper

43 100

58 29.7 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU026010.D (-517) (-)



#51

Chlorobenzene

Concen: 18.707 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU026032.D

Acq: 10 Aug 2018 06:09

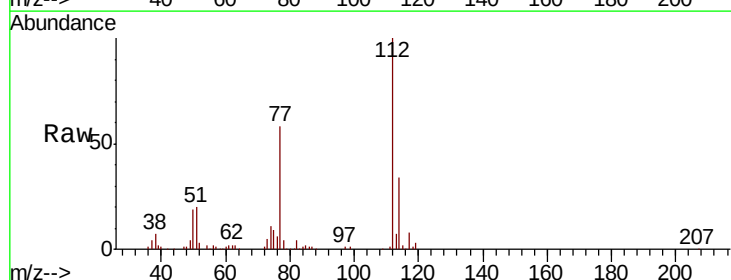
Tgt Ion: 112 Resp: 104166

Ion Ratio Lower Upper

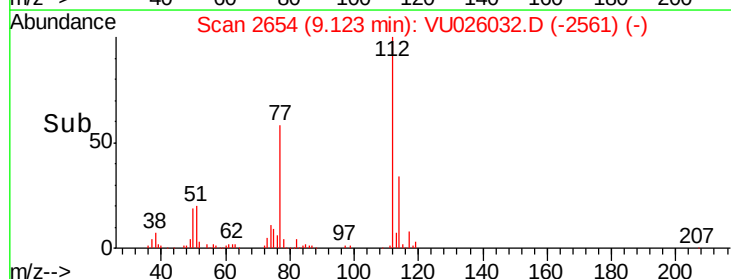
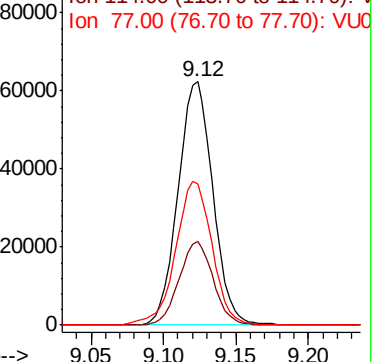
112 100

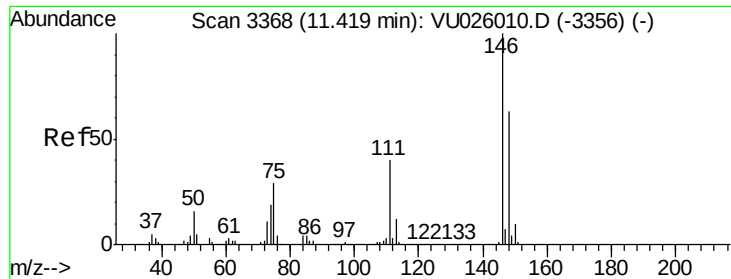
114 34.3 22.7 42.3

77 57.8 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): VU026010.D (-2640) (-)





#62

1,3-Dichlorobenzene

Concen: 6.394 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026032.D

Acq: 10 Aug 2018 06:09

Instrument :

MSVOA_U

ClientSampleId :

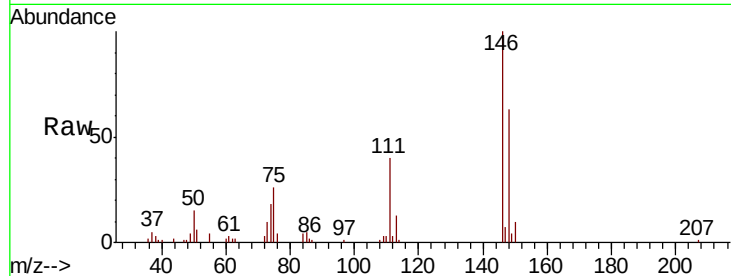
Tot Ion:146 Resp: 25634

Ion Ratio Lower Upper

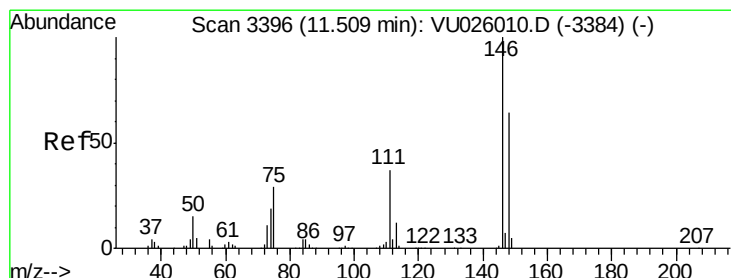
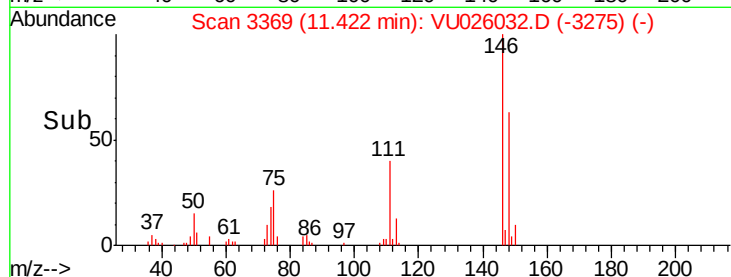
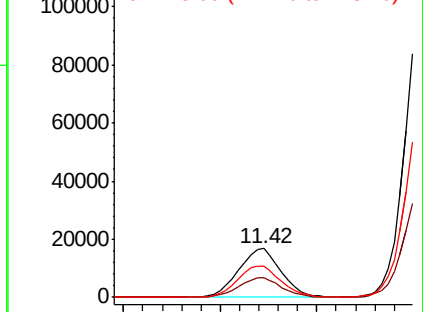
146 100

111 40.1 27.9 51.9

148 63.1 46.0 85.4



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: 52.939 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026032.D

Acq: 10 Aug 2018 06:09

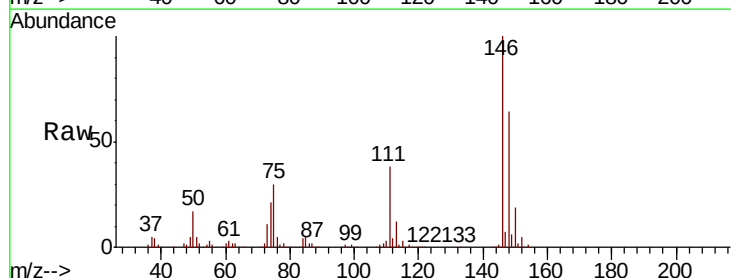
Tgt Ion:146 Resp: 222491

Ion Ratio Lower Upper

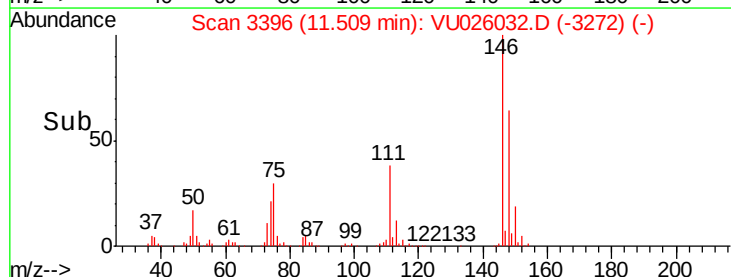
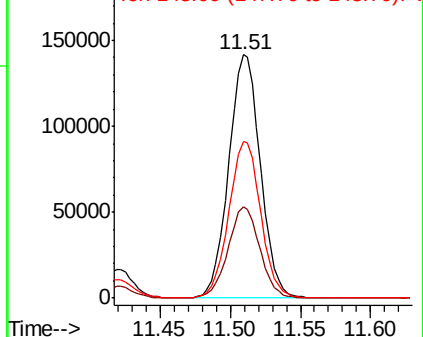
146 100

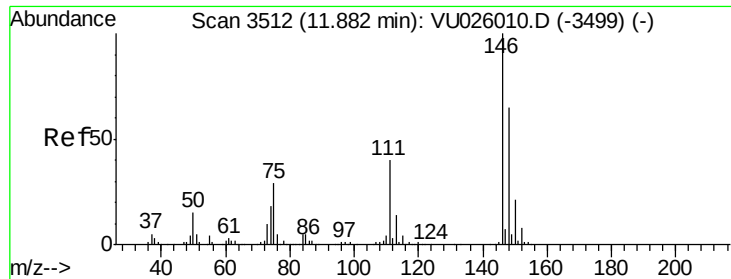
111 37.7 26.4 49.0

148 64.5 43.8 81.4



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

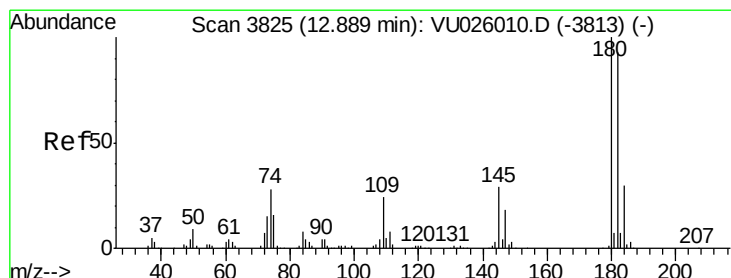
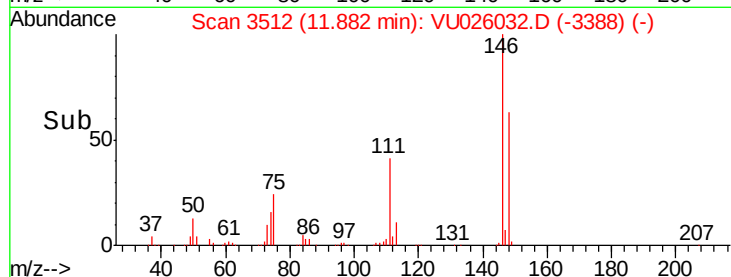
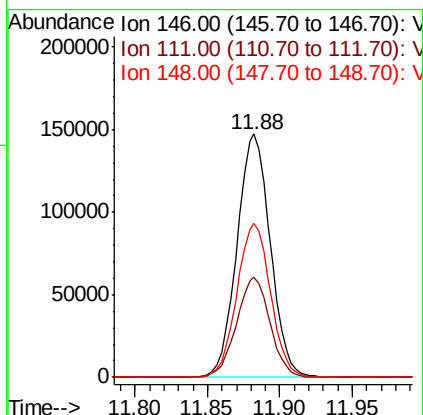
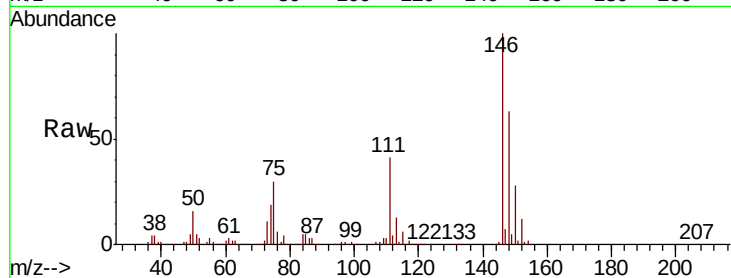




#65
 1,2-Dichlorobenzene
 Concen: 55.023 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026032.D
 Acq: 10 Aug 2018 06:09

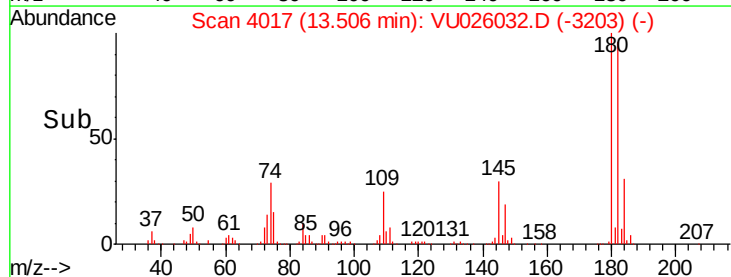
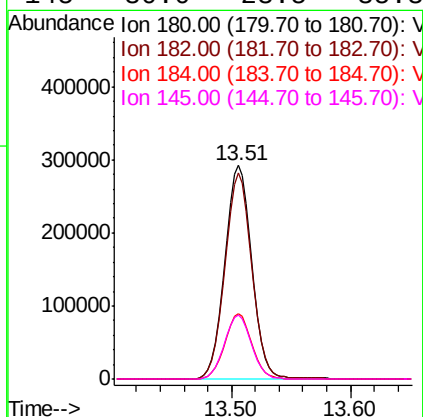
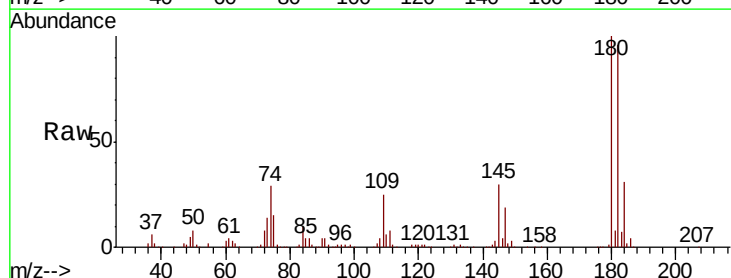
Instrument :
 MSVOA_U
 ClientSampleId :

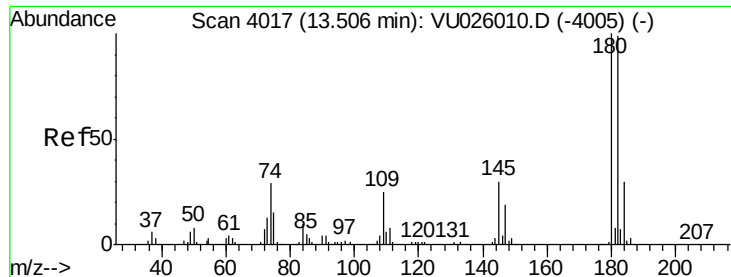
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.4	48.6
148	63.2	50.1	75.1



#67
 1,3,5-Trichlorobenzene
 Concen: 153.054 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026032.D
 Acq: 10 Aug 2018 06:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.5	114.7
184	30.6	24.3	36.5
145	30.0	23.5	35.3





#68

1,2,4-trichlorobenzene

Concen: 180.991 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU026032.D

Acq: 10 Aug 2018 06:09

Instrument :

MSVOA_U

ClientSampleId :

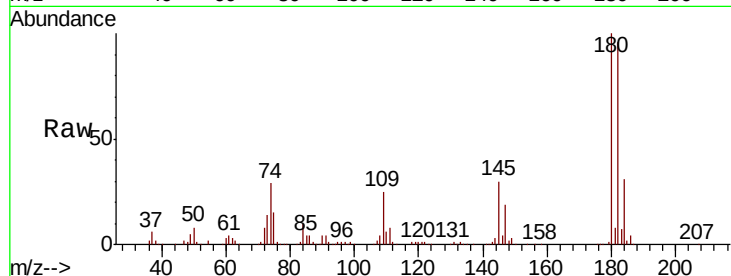
Tot Ion:180 Resp: 458609

Ion Ratio Lower Upper

180 100

182 96.1 76.5 114.7

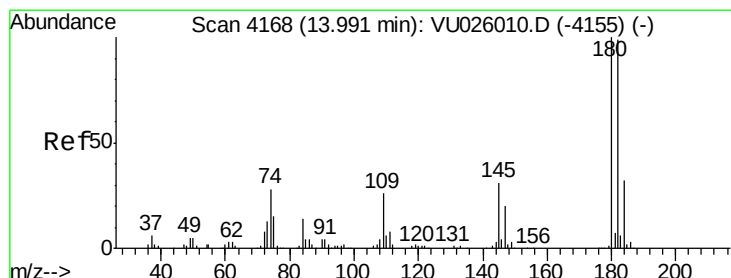
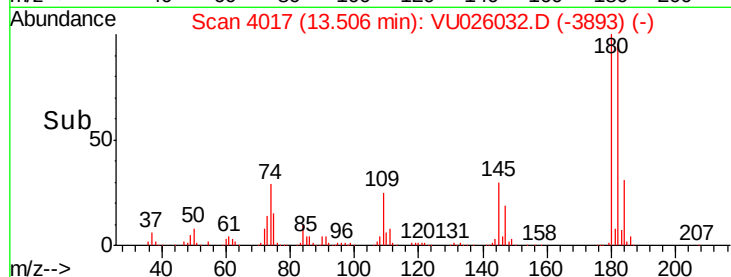
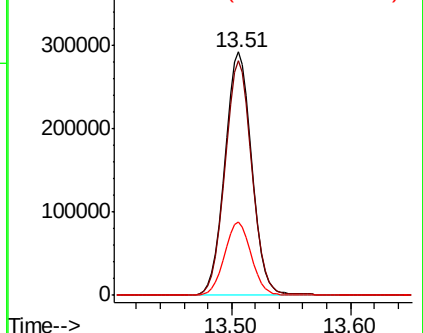
145 30.0 24.2 36.4



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: 41.354 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU026032.D

Acq: 10 Aug 2018 06:09

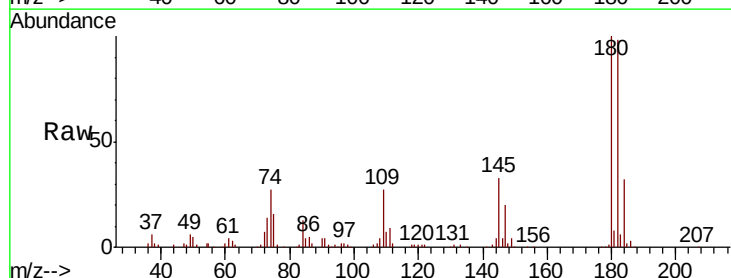
Tgt Ion:180 Resp: 112623

Ion Ratio Lower Upper

180 100

182 97.6 76.5 114.7

145 32.4 24.7 37.1



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

