

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026062.D
 Acq On : 13 Aug 2018 12:42
 Operator : MD/SY
 Sample : J4401-09DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9DL

Quant Time: Aug 14 01:36:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 01:13:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	286712	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	274164	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	131487	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	100855	48.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.24%
7) Chloroethane-d5	1.68	69	81700	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.34%
11) 1,1-Dichloroethene-d2	2.27	63	155209	38.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.94%
21) 2-Butanone-d5	4.18	46	149505	85.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.59%
24) Chloroform-d	4.65	84	209127	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.12%
26) 1,2-Dichloroethane-d4	5.31	65	141617	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
32) Benzene-d6	5.34	84	412872	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.33	67	132211	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.98%
41) Toluene-d8	7.57	98	382020	46.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.85	79	64466	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.31	63	105534	84.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.35%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	180563	44.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	160404	49.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.98%

Target Compounds

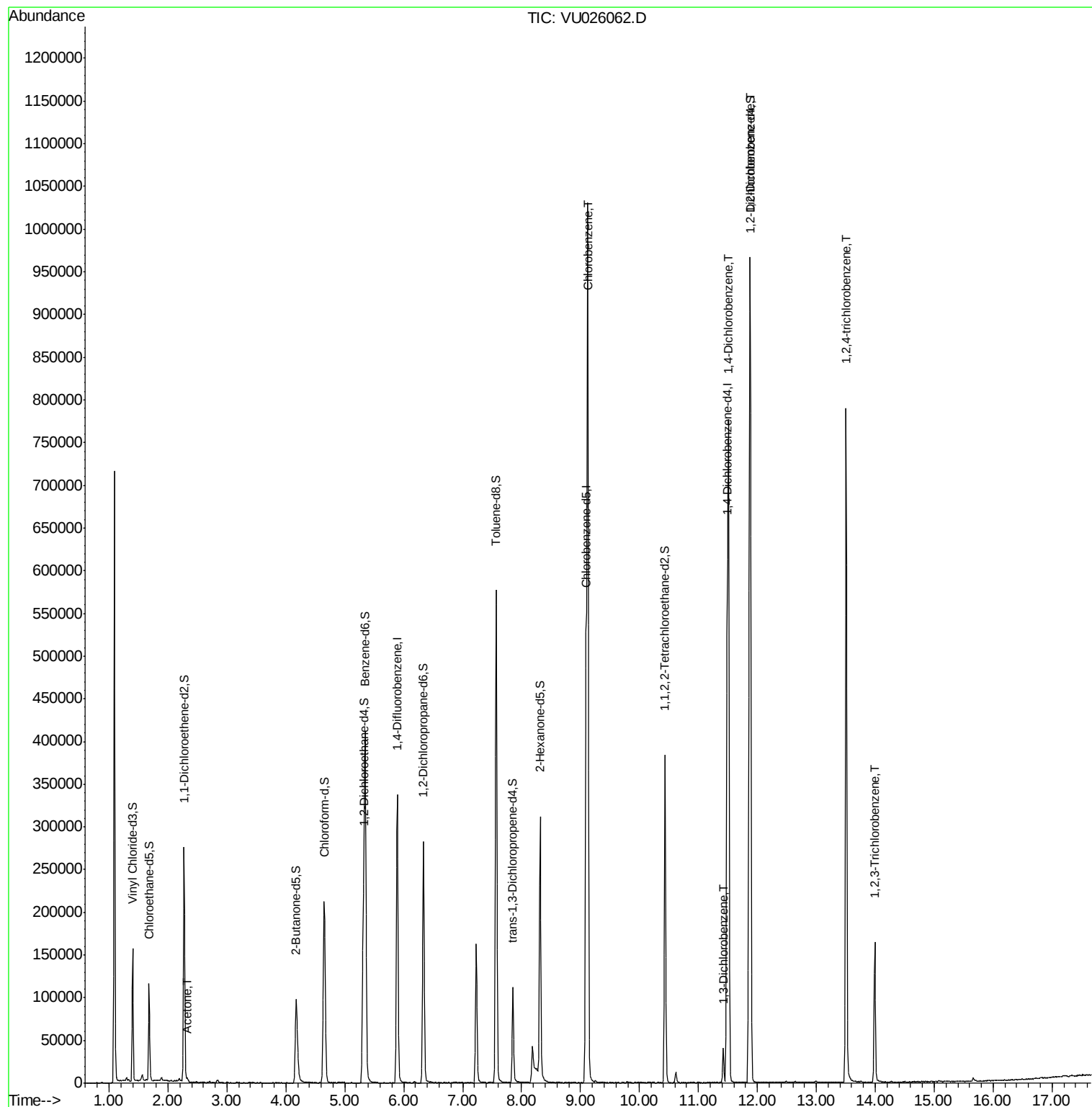
					Ovalue
13) Acetone	2.32	43	2599	2.40 ug/L	100
51) Chlorobenzene	9.12	112	542958	97.15 ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	16897	4.13 ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	298401	69.54 ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	326571	74.95 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	246426	95.25 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	54375	19.55 ug/L	98

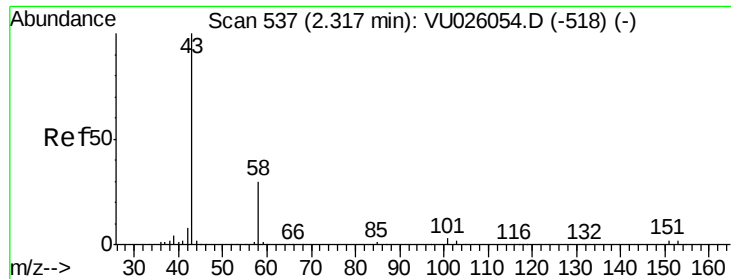
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 14 01:13:22 2018
Response via : Initial Calibration





#13

Acetone

Concen: 2.40 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026062.D

Acq: 13 Aug 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

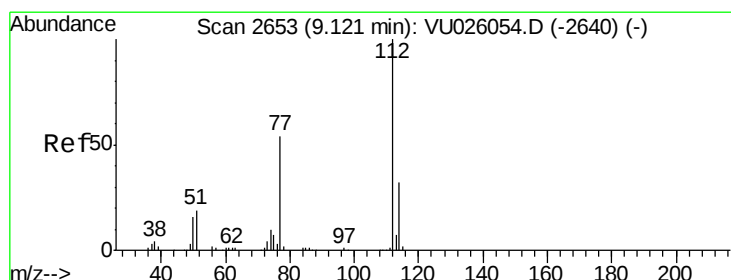
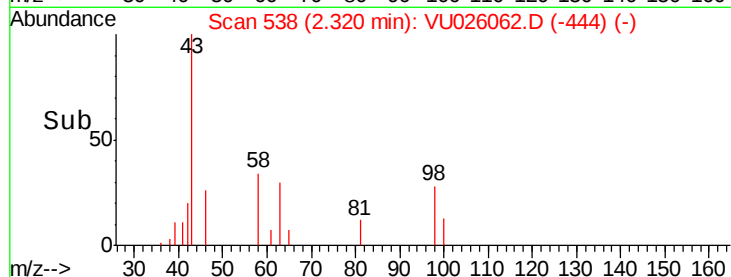
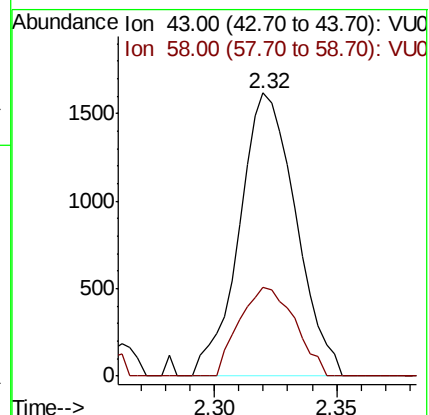
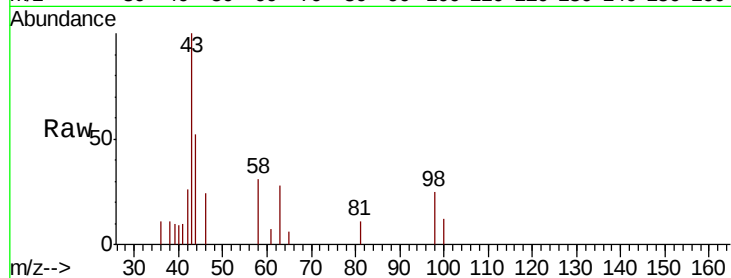
A4ZE9DL

Tot Ion: 43 Resp: 2599

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.8



#51

Chlorobenzene

Concen: 97.15 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026062.D

Acq: 13 Aug 2018 12:42

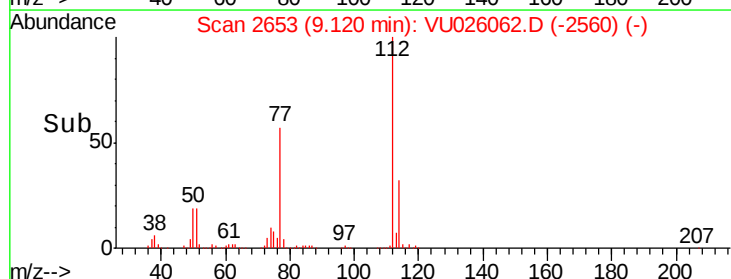
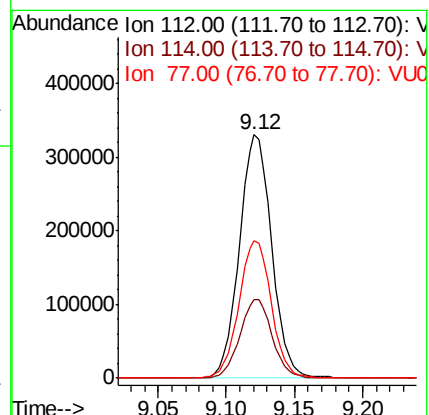
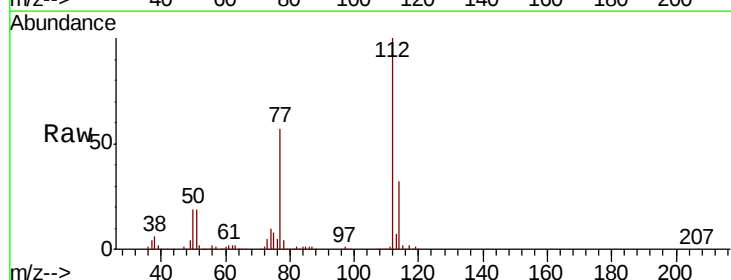
Tgt Ion: 112 Resp: 542958

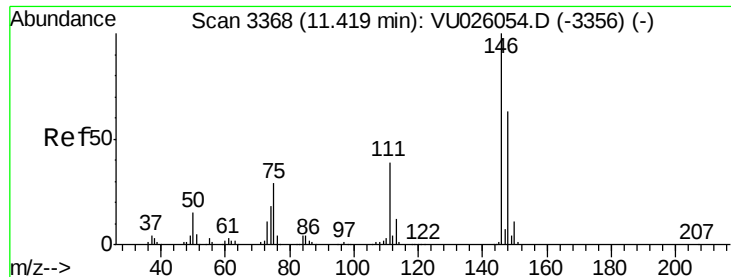
Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.3

77 56.5 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 4.13 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026062.D

Acq: 13 Aug 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

A4ZE9DL

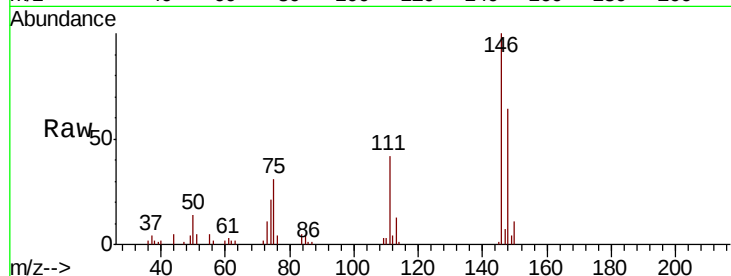
Tot Ion:146 Resp: 16897

Ion Ratio Lower Upper

146 100

111 42.4 27.9 51.9

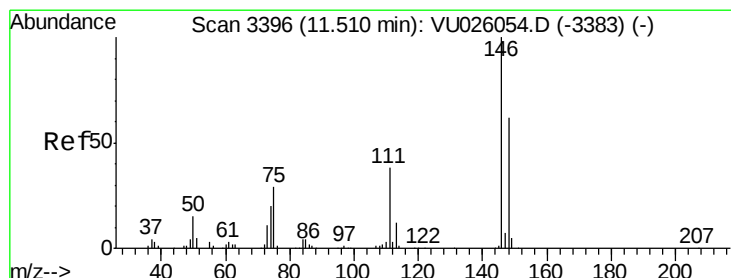
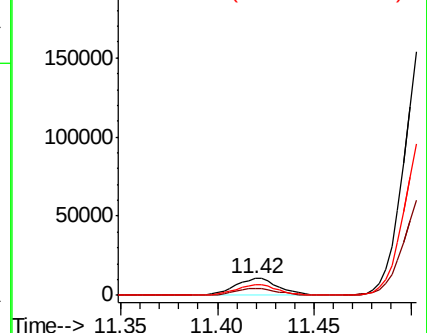
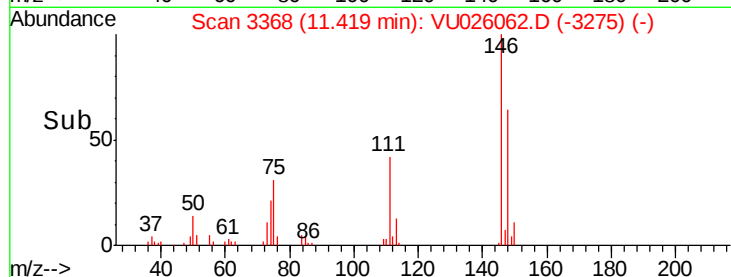
148 64.1 46.0 85.4



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: 69.54 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026062.D

Acq: 13 Aug 2018 12:42

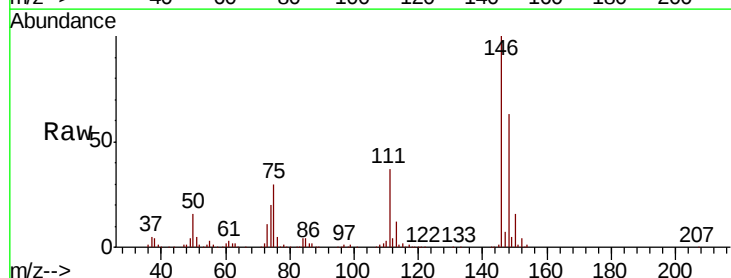
Tgt Ion:146 Resp: 298401

Ion Ratio Lower Upper

146 100

111 37.0 26.4 49.0

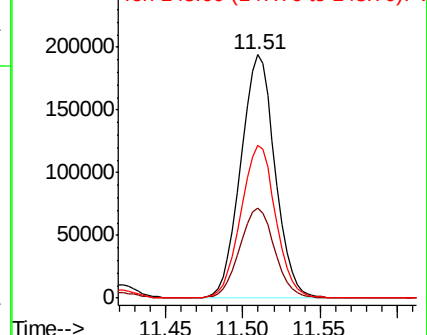
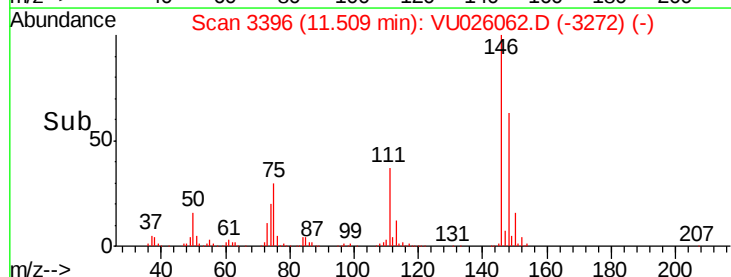
148 62.6 43.8 81.4

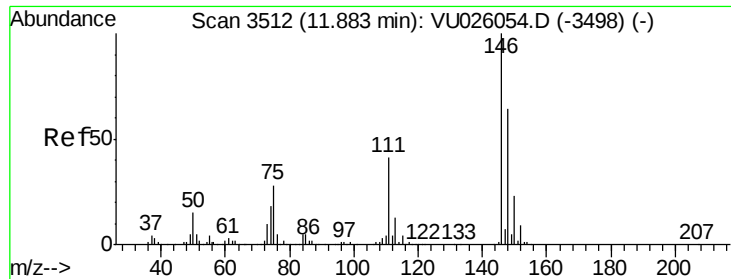


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 74.95 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026062.D

Acq: 13 Aug 2018 12:42

Instrument :

MSVOA_U

ClientSampled :

A4ZE9DL

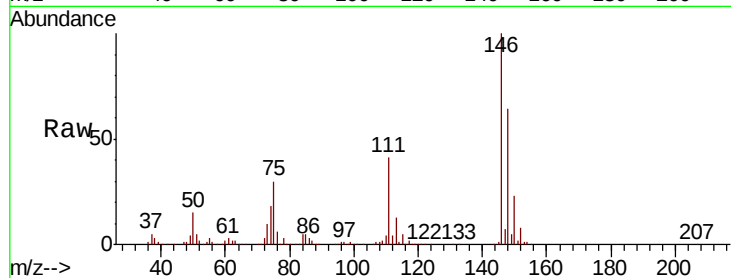
Tot Ion:146 Resp: 326571

Ion Ratio Lower Upper

146 100

111 40.6 32.4 48.6

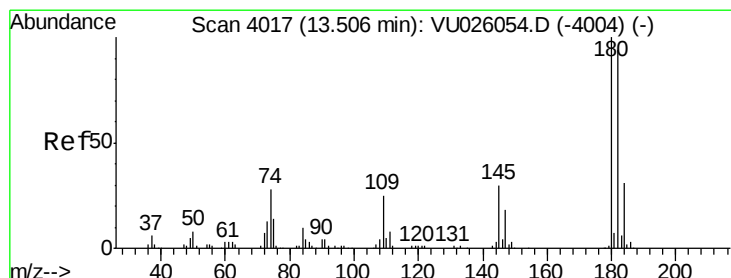
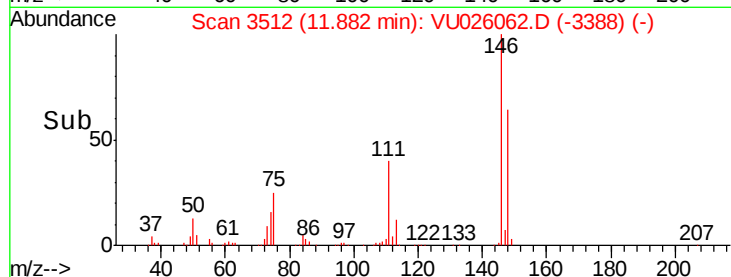
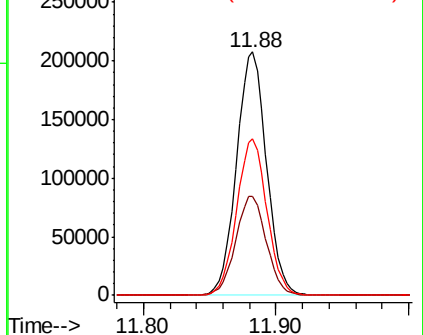
148 64.1 50.1 75.1



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



#68

1,2,4-trichlorobenzene

Concen: 95.25 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU026062.D

Acq: 13 Aug 2018 12:42

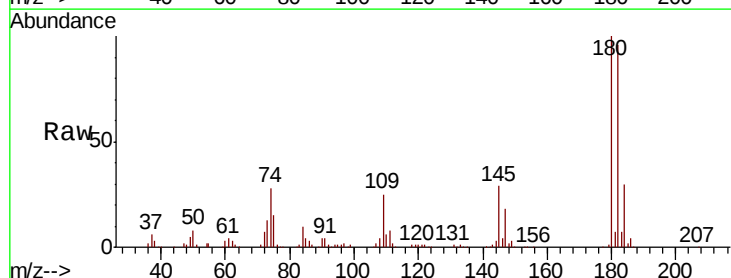
Tgt Ion:180 Resp: 246426

Ion Ratio Lower Upper

180 100

182 96.5 76.5 114.7

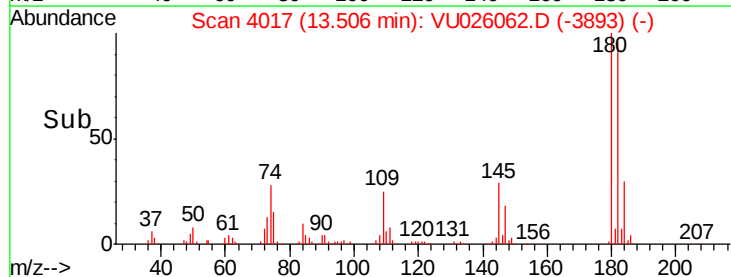
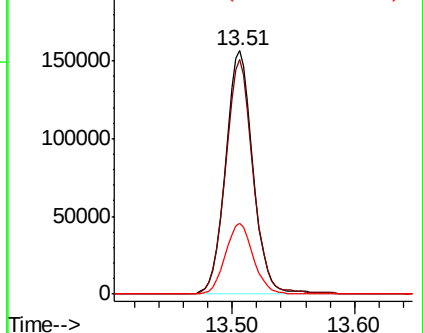
145 29.9 24.2 36.4

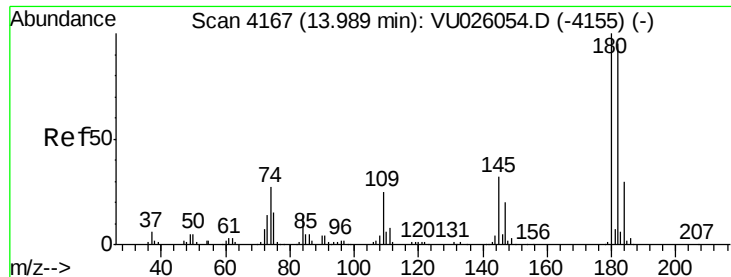


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

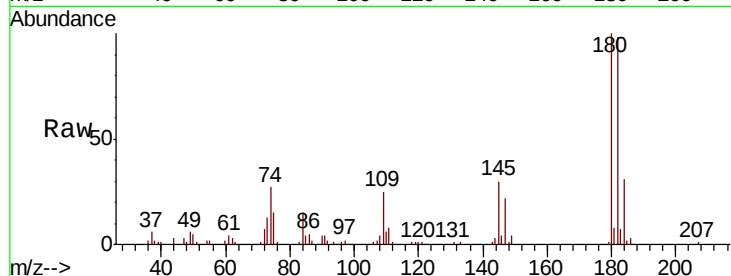




#70
 1,2,3-Trichlorobenzene
 Concen: 19.55 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026062.D
 Acq: 13 Aug 2018 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9DL

Tot Ion	180	Resp	54375
Ion Ratio	Lower	Upper	
180	100		
182	98.0	76.5	114.7
145	30.8	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

