

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026063.D
 Acq On : 13 Aug 2018 13:06
 Operator : MD/SY
 Sample : J4401-21 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZG3

Quant Time: Aug 14 01:40:54 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	286768	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	270466	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	129532	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99021	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.48%
7) Chloroethane-d5	1.68	69	81759	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.27	63	154156	38.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.40%
21) 2-Butanone-d5	4.18	46	146507	83.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.86%
24) Chloroform-d	4.65	84	207201	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
26) 1,2-Dichloroethane-d4	5.31	65	140507	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.58%
32) Benzene-d6	5.35	84	414124	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.33	67	130708	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.20%
41) Toluene-d8	7.57	98	378492	47.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.85	79	63579	46.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.88%
47) 2-Hexanone-d5	8.31	63	104408	84.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.59%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	178172	44.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	159928	50.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.16%

Target Compounds

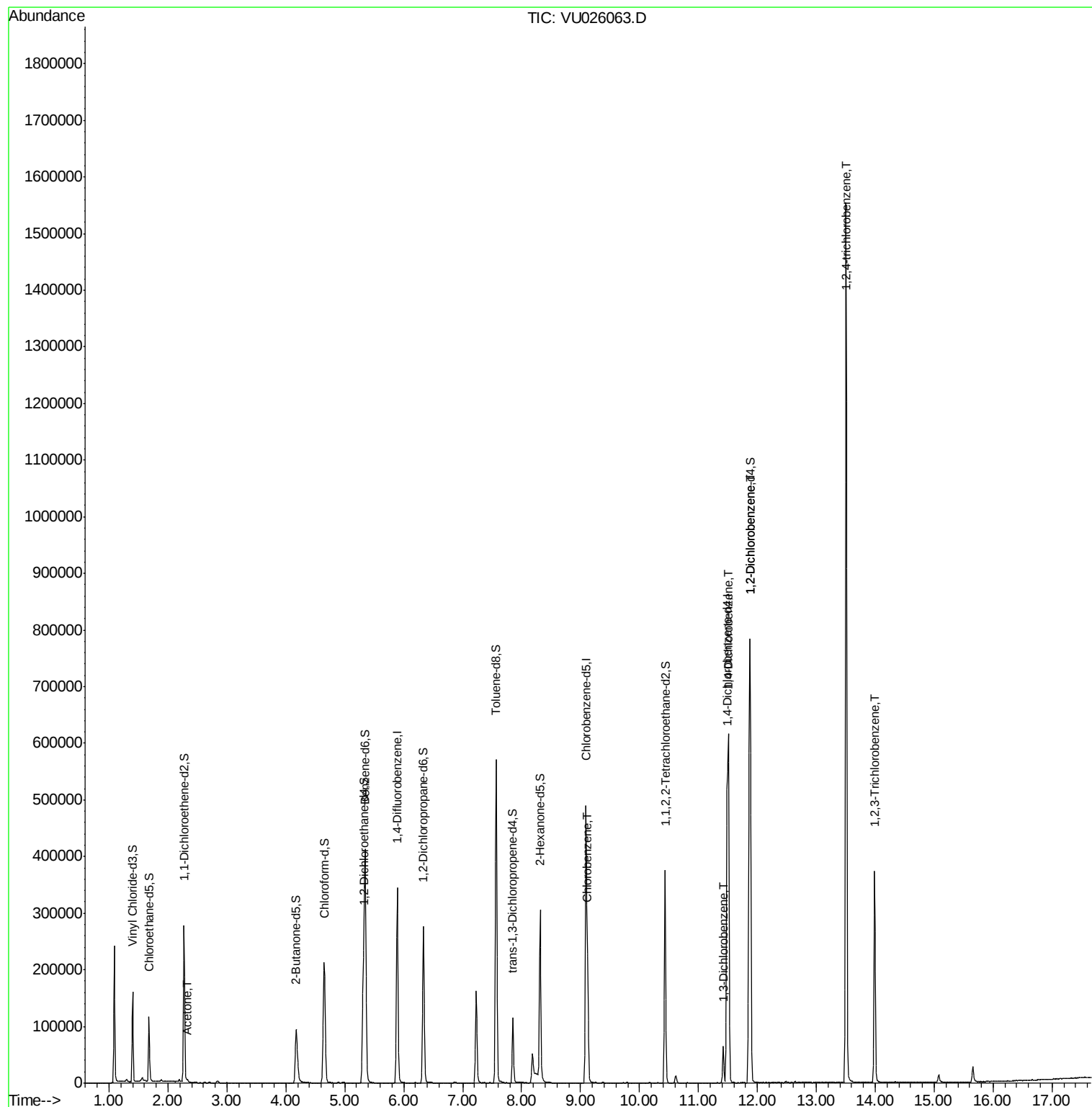
					Ovalue
13) Acetone	2.32	43	3795	3.50 ug/L	91
51) Chlorobenzene	9.12	112	108853	19.74 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	27221	6.75 ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	234473	55.47 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	244008	56.85 ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	478955	187.92 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	119269	43.54 ug/L	99

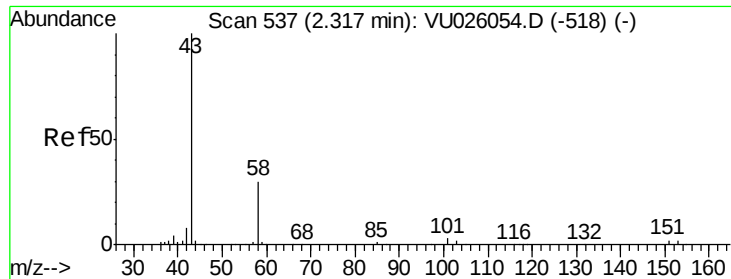
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 14 01:13:22 2018
Response via : Initial Calibration





#13

Acetone

Concen: 3.50 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026063.D

Acq: 13 Aug 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

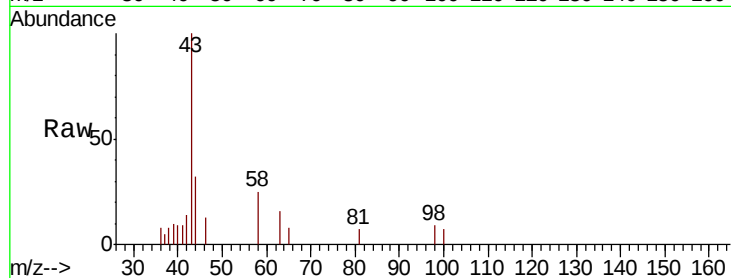
A4ZG3

Tot Ion: 43 Resp: 3795

Ion Ratio Lower Upper

43 100

58 25.7 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU026063.D (-2560) (-)

Ion 58.00 (57.70 to 58.70): VU026063.D (-2560) (-)

2.32

2000

1500

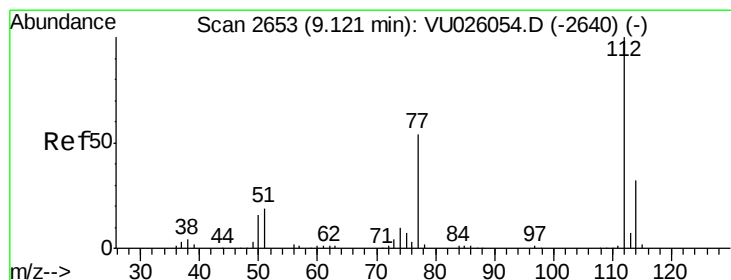
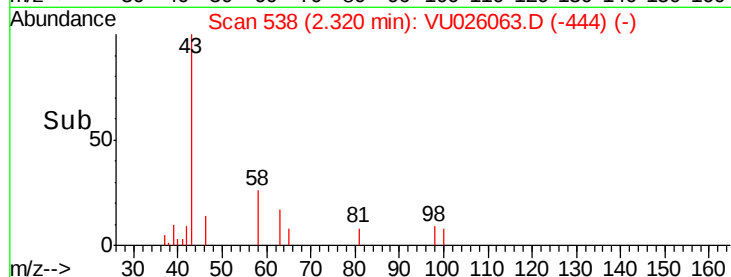
1000

500

0

2.30 2.35

Time-->



#51

Chlorobenzene

Concen: 19.74 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026063.D

Acq: 13 Aug 2018 13:06

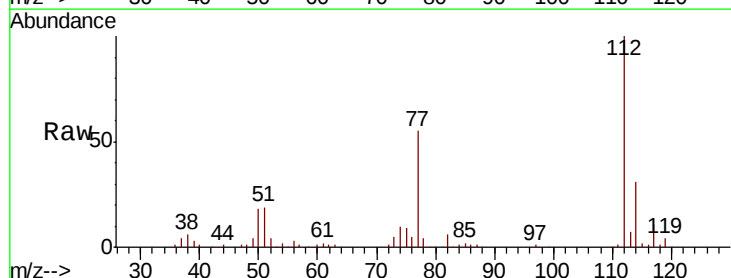
Tgt Ion: 112 Resp: 108853

Ion Ratio Lower Upper

112 100

114 31.1 22.7 42.3

77 55.4 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): VU026063.D (-2560) (-)

Ion 114.00 (113.70 to 114.70): VU026063.D (-2560) (-)

Ion 77.00 (76.70 to 77.70): VU026063.D (-2560) (-)

9.12

80000

60000

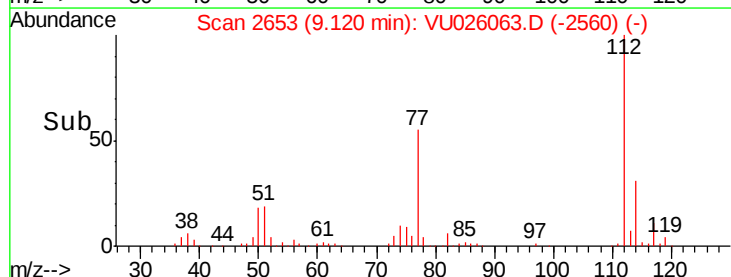
40000

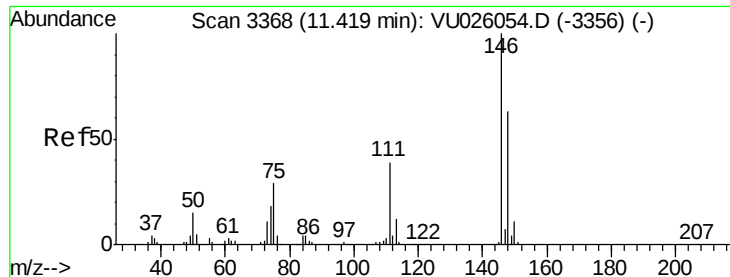
20000

0

9.05 9.10 9.15 9.20

Time-->





#62

1,3-Dichlorobenzene

Concen: 6.75 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026063.D

Acq: 13 Aug 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

A4ZG3

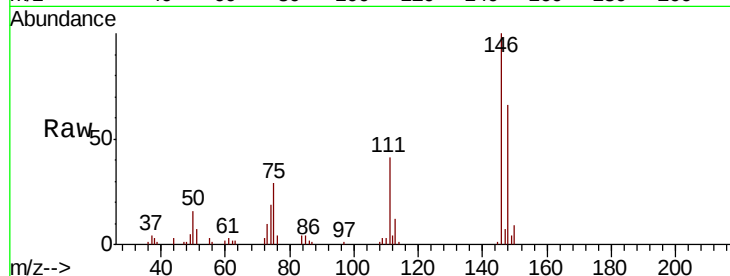
Tot Ion:146 Resp: 27221

Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.9

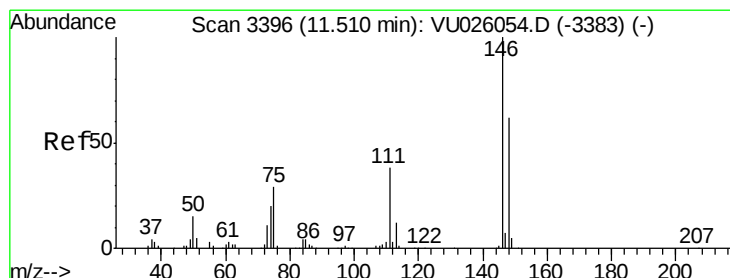
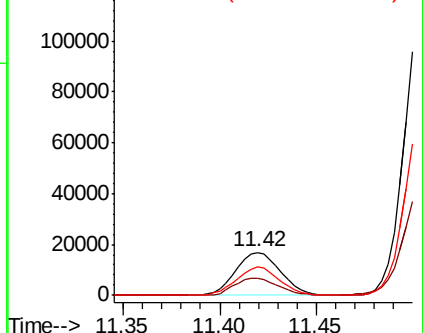
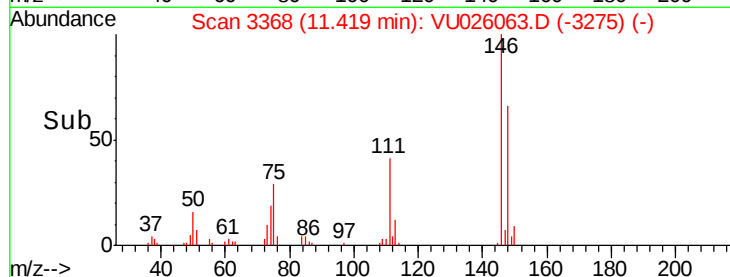
148 65.6 46.0 85.4



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: 55.47 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026063.D

Acq: 13 Aug 2018 13:06

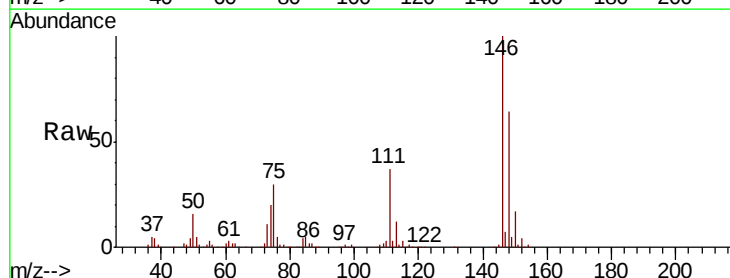
Tgt Ion:146 Resp: 234473

Ion Ratio Lower Upper

146 100

111 37.2 26.4 49.0

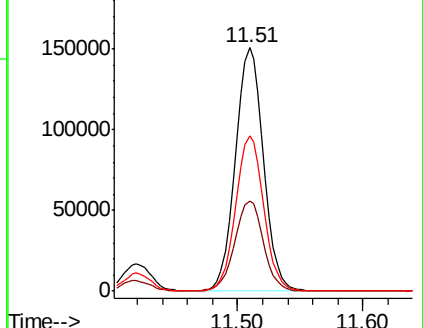
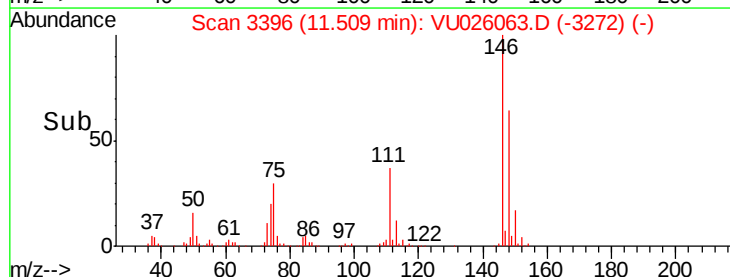
148 64.0 43.8 81.4

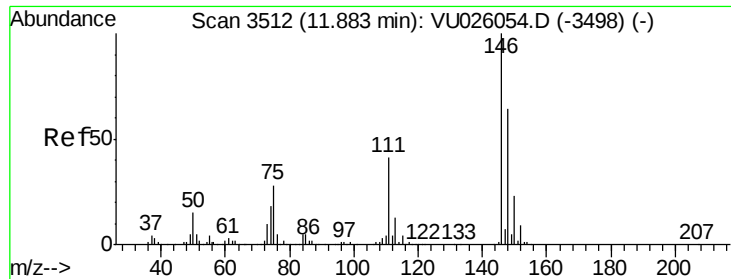


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 56.85 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026063.D

Acq: 13 Aug 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

A4ZG3

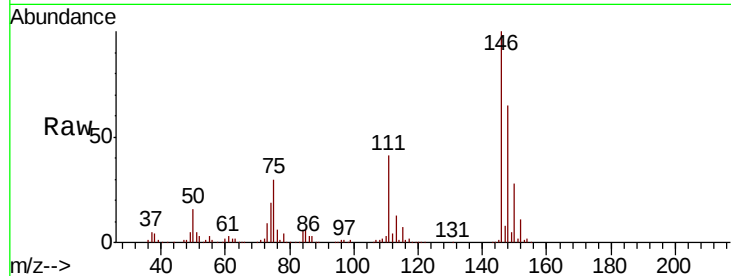
Tot Ion:146 Resp: 244008

Ion Ratio Lower Upper

146 100

111 41.1 32.4 48.6

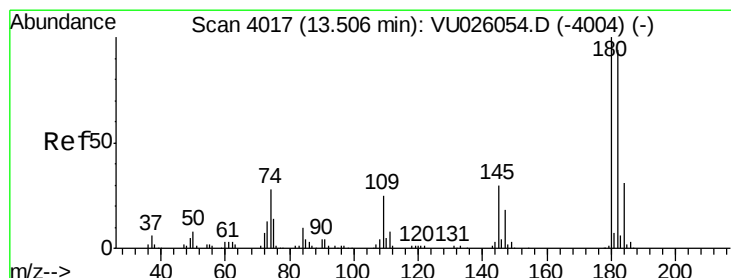
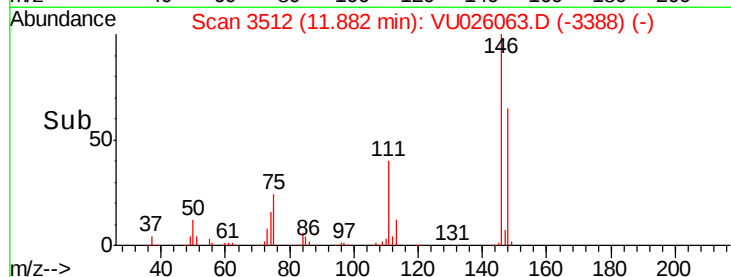
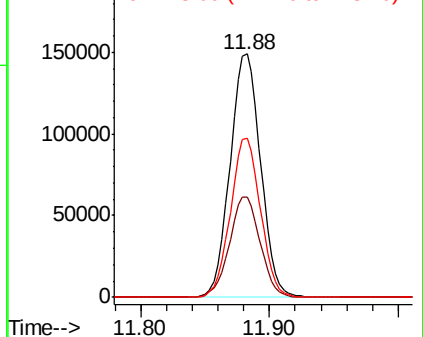
148 65.2 50.1 75.1



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: 187.92 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU026063.D

Acq: 13 Aug 2018 13:06

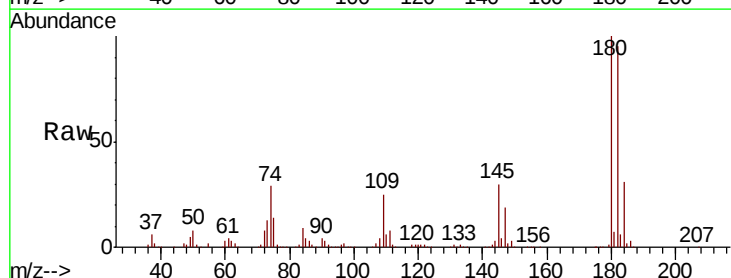
Tgt Ion:180 Resp: 478955

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

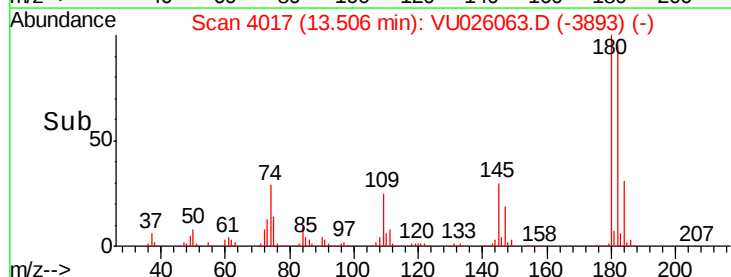
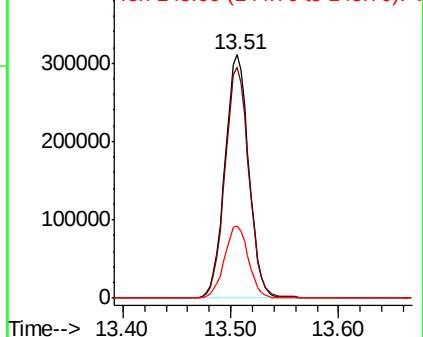
145 29.7 24.2 36.4

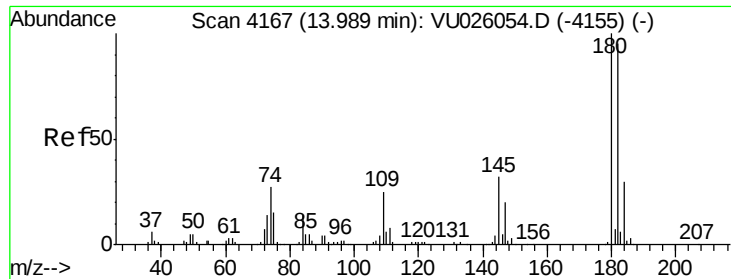


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

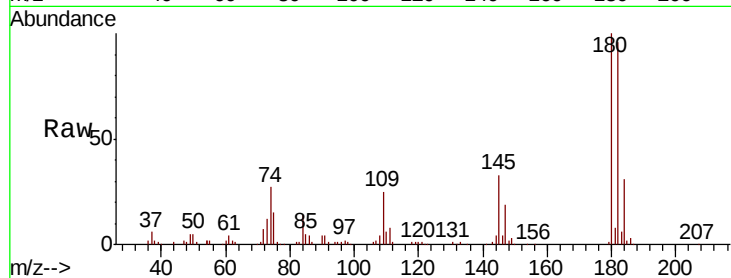




#70
 1,2,3-Trichlorobenzene
 Concen: 43.54 ug/L
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU026063.D
 Acq: 13 Aug 2018 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZG3

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	94.6	76.5	114.7	
145	31.5	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

