

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026072.D
 Acq On : 13 Aug 2018 17:03
 Operator : MD/SY
 Sample : J4402-05 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZH2

Quant Time: Aug 14 02:25:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 02:18:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	282930	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	266398	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	127272	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92503	44.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.46%
7) Chloroethane-d5	1.67	69	78347	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.56%
11) 1,1-Dichloroethene-d2	2.27	63	142334	36.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.44%
21) 2-Butanone-d5	4.18	46	142855	82.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.88%
24) Chloroform-d	4.65	84	204101	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.31	65	138399	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
32) Benzene-d6	5.34	84	394756	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
36) 1,2-Dichloropropane-d6	6.33	67	127025	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.92%
41) Toluene-d8	7.57	98	363368	45.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.82%
43) trans-1,3-Dichloropropene-	7.85	79	62123	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
47) 2-Hexanone-d5	8.31	63	101720	83.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.67%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	173097	44.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	154841	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%

Target Compounds

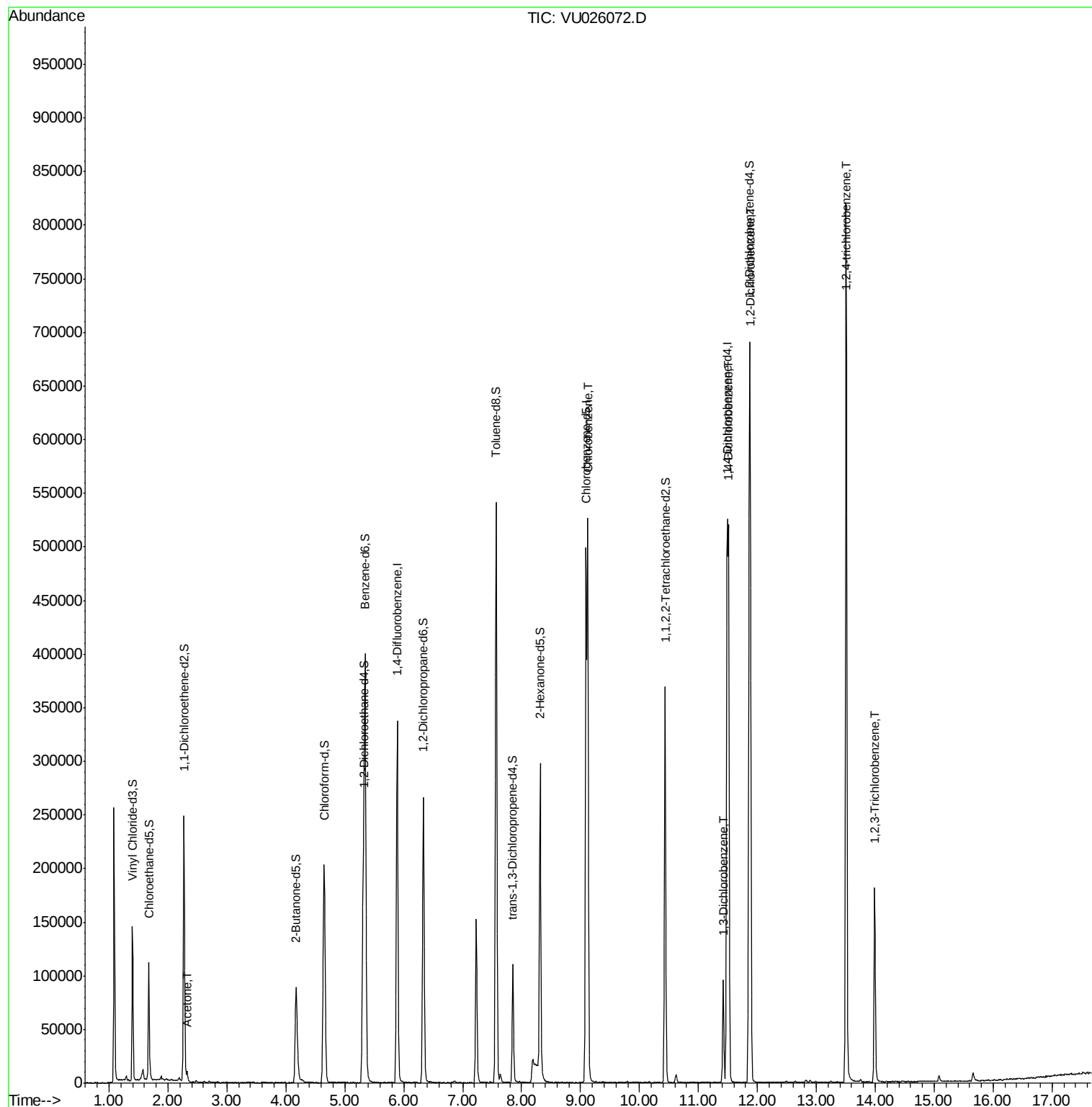
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	8390	7.84	ug/L	97
51) Chlorobenzene	9.12	112	271966	50.08	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	38776	9.79	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	191456	46.09	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	183551	43.52	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	256887	102.58	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	59163	21.98	ug/L	100

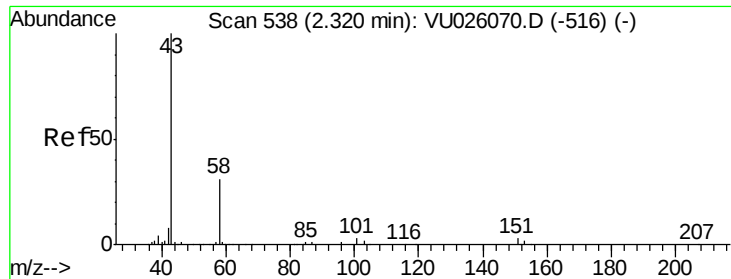
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 14 02:18:47 2018
Response via : Initial Calibration





#13

Acetone

Concen: 7.84 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026072.D

Acq: 13 Aug 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

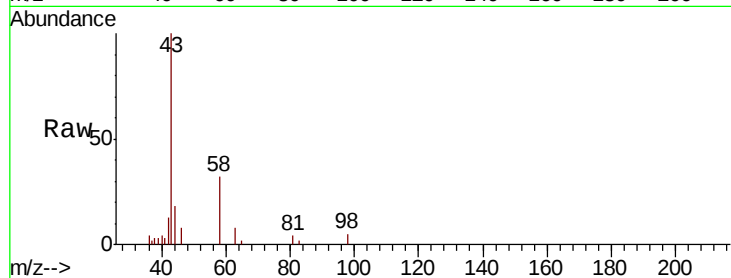
A4ZH2

Tot Ion: 43 Resp: 8390

Ion Ratio Lower Upper

43 100

58 29.3 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU026072.D (-516) (-)

Ion 58.00 (57.70 to 58.70): VU026072.D (-516) (-)

2.32

6000

5000

4000

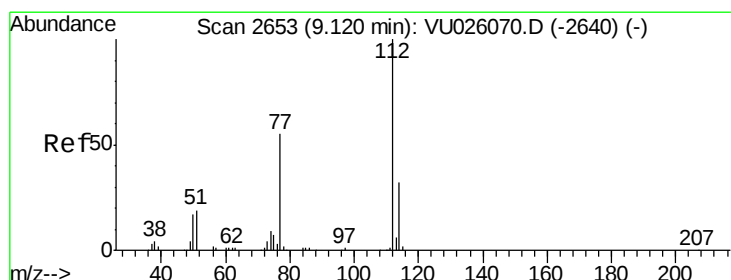
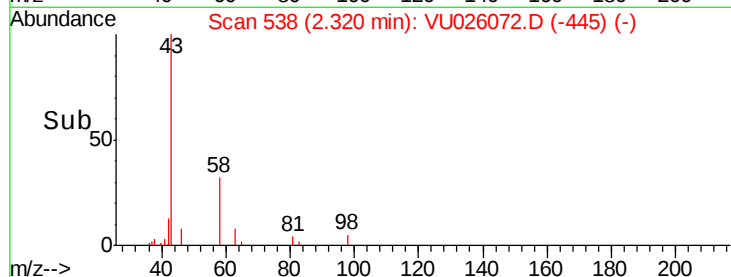
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#51

Chlorobenzene

Concen: 50.08 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026072.D

Acq: 13 Aug 2018 17:03

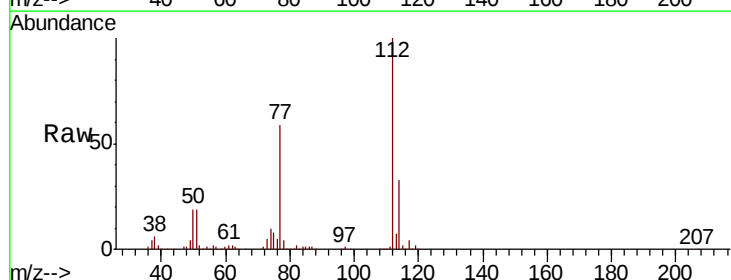
Tgt Ion: 112 Resp: 271966

Ion Ratio Lower Upper

112 100

114 32.8 22.7 42.3

77 58.7 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): VU026072.D (-2640) (-)

Ion 114.00 (113.70 to 114.70): VU026072.D (-2640) (-)

Ion 77.00 (76.70 to 77.70): VU026072.D (-2640) (-)

9.12

200000

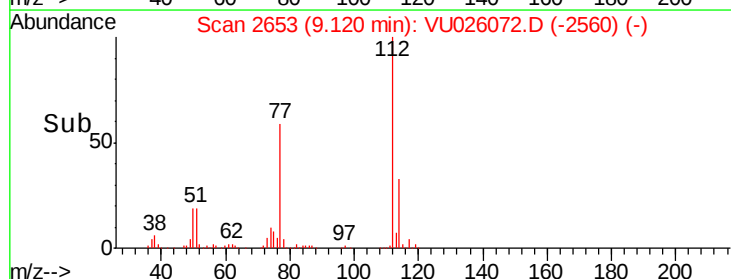
150000

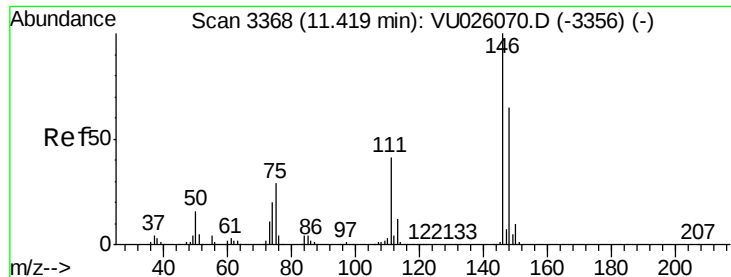
100000

50000

0

Time--> 9.05 9.10 9.15 9.20





#62

1,3-Dichlorobenzene

Concen: 9.79 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026072.D

Acq: 13 Aug 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

A4ZH2

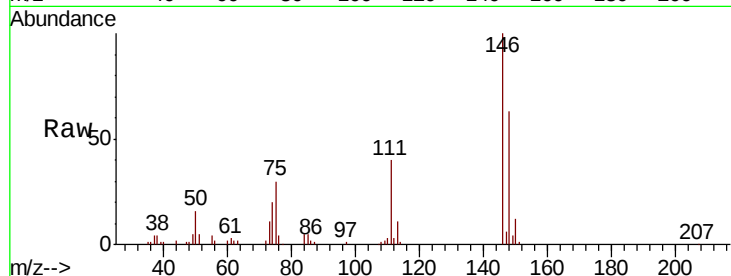
Tot Ion:146 Resp: 38776

Ion Ratio Lower Upper

146 100

111 40.0 27.9 51.9

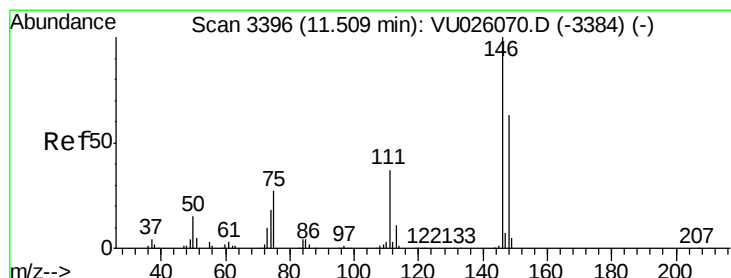
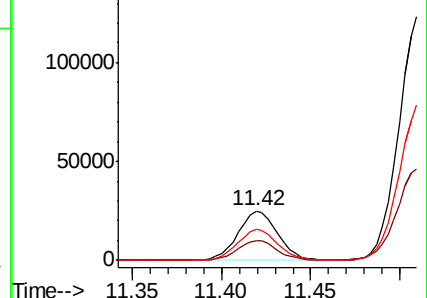
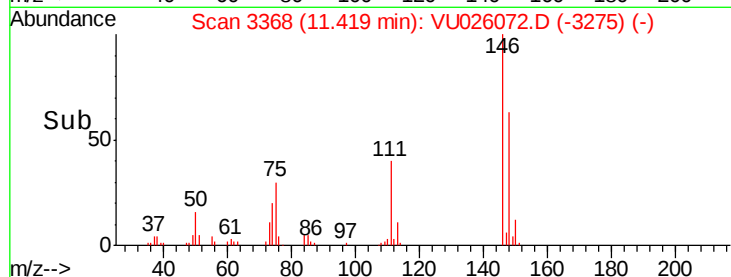
148 62.6 46.0 85.4



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: 46.09 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026072.D

Acq: 13 Aug 2018 17:03

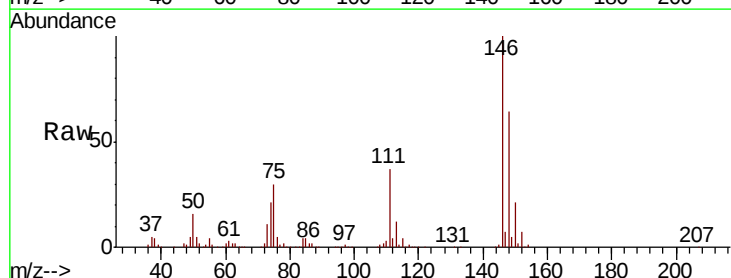
Tgt Ion:146 Resp: 191456

Ion Ratio Lower Upper

146 100

111 37.4 26.4 49.0

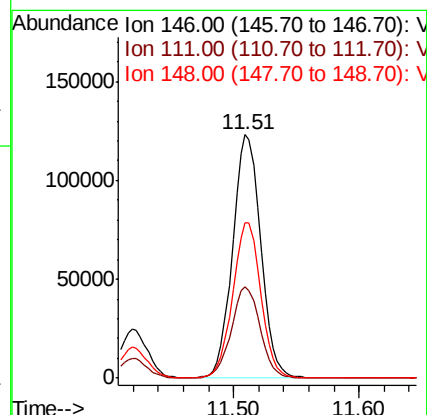
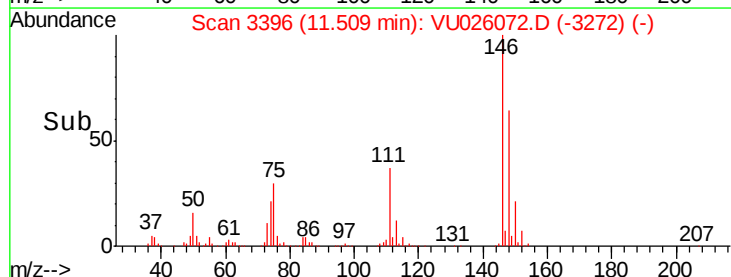
148 63.6 43.8 81.4

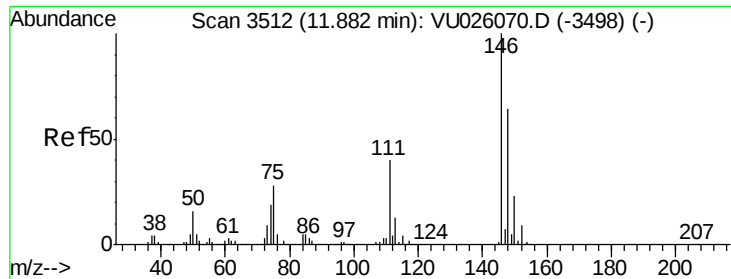


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 43.52 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026072.D

Acq: 13 Aug 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

A4ZH2

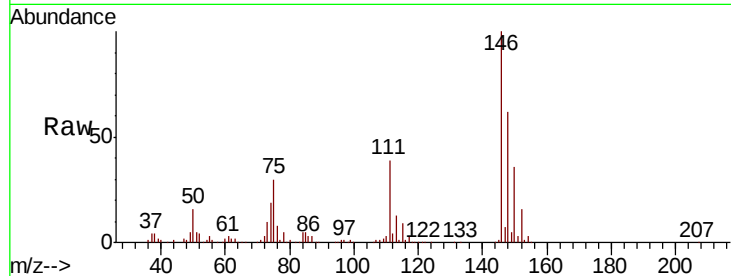
Tot Ion:146 Resp: 183551

Ion Ratio Lower Upper

146 100

111 39.3 32.4 48.6

148 62.2 50.1 75.1

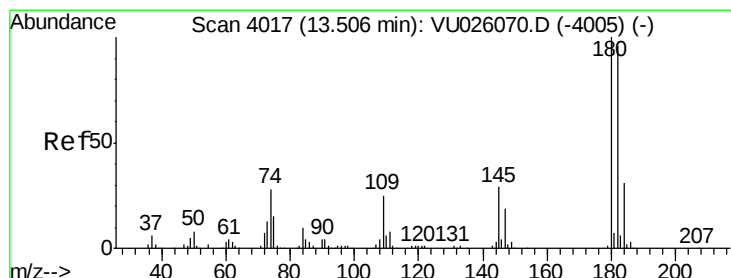
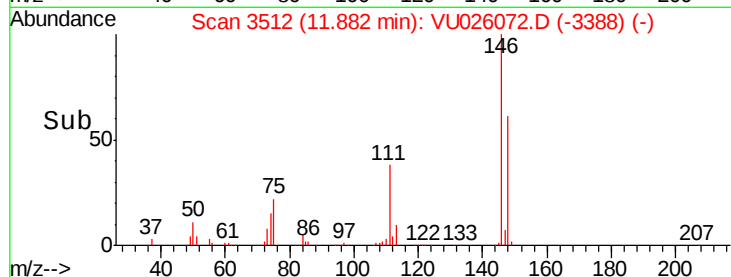
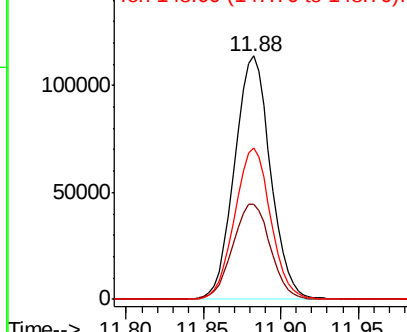


Abundance

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: 102.58 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU026072.D

Acq: 13 Aug 2018 17:03

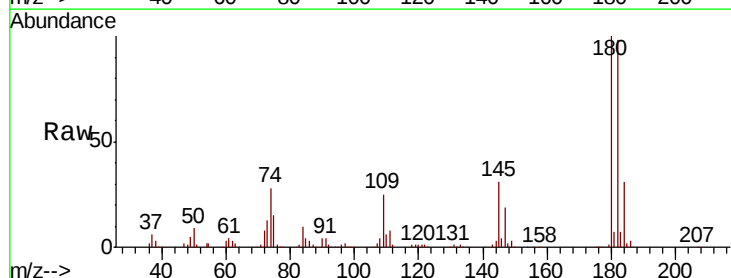
Tgt Ion:180 Resp: 256887

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 30.0 24.2 36.4

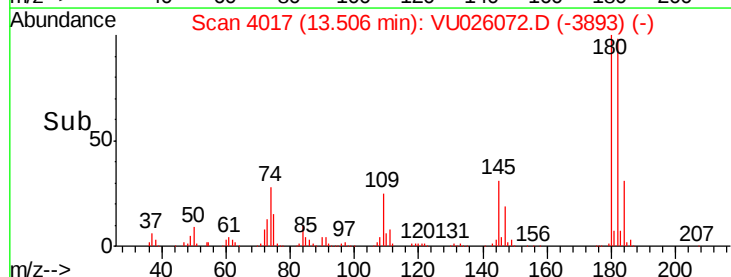
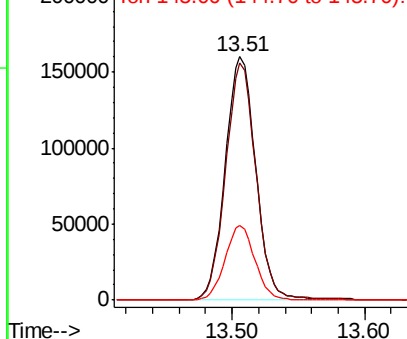


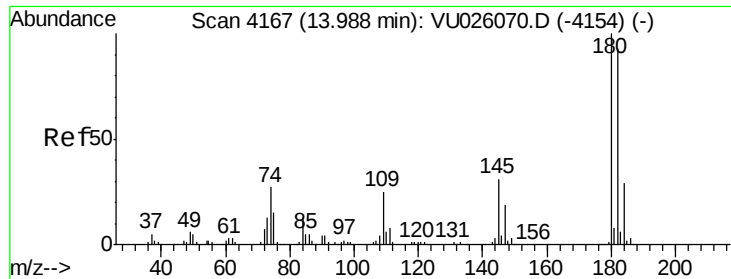
Abundance

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

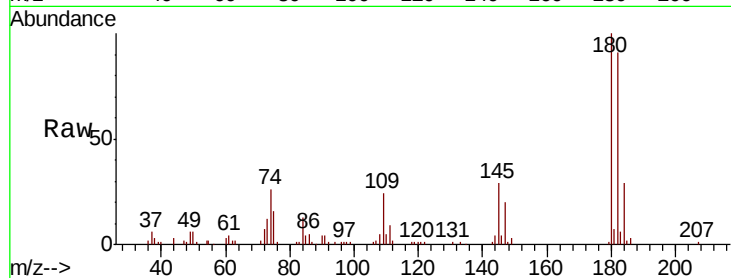




#70
 1,2,3-Trichlorobenzene
 Concen: 21.98 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026072.D
 Acq: 13 Aug 2018 17:03

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZH2

Tot Ion	180	Resp	59163
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.5	114.7
145	30.7	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

