

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026064.D
 Acq On : 13 Aug 2018 13:30
 Operator : MD/SY
 Sample : J4401-07DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 14 01:15:25 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	289867	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	270251	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	122959	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	101301	47.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.62%
7) Chloroethane-d5	1.68	69	82469	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.18%
11) 1,1-Dichloroethene-d2	2.27	63	154325	38.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.66%
21) 2-Butanone-d5	4.18	46	151540	85.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.81%
24) Chloroform-d	4.65	84	210168	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
26) 1,2-Dichloroethane-d4	5.31	65	145119	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
32) Benzene-d6	5.35	84	418253	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
36) 1,2-Dichloropropane-d6	6.33	67	133661	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.44%
41) Toluene-d8	7.57	98	385751	48.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.10%
43) trans-1,3-Dichloropropene-	7.85	79	65413	47.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.62%
47) 2-Hexanone-d5	8.31	63	106470	86.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.33%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	180514	45.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	156084	51.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.98%

Target Compounds

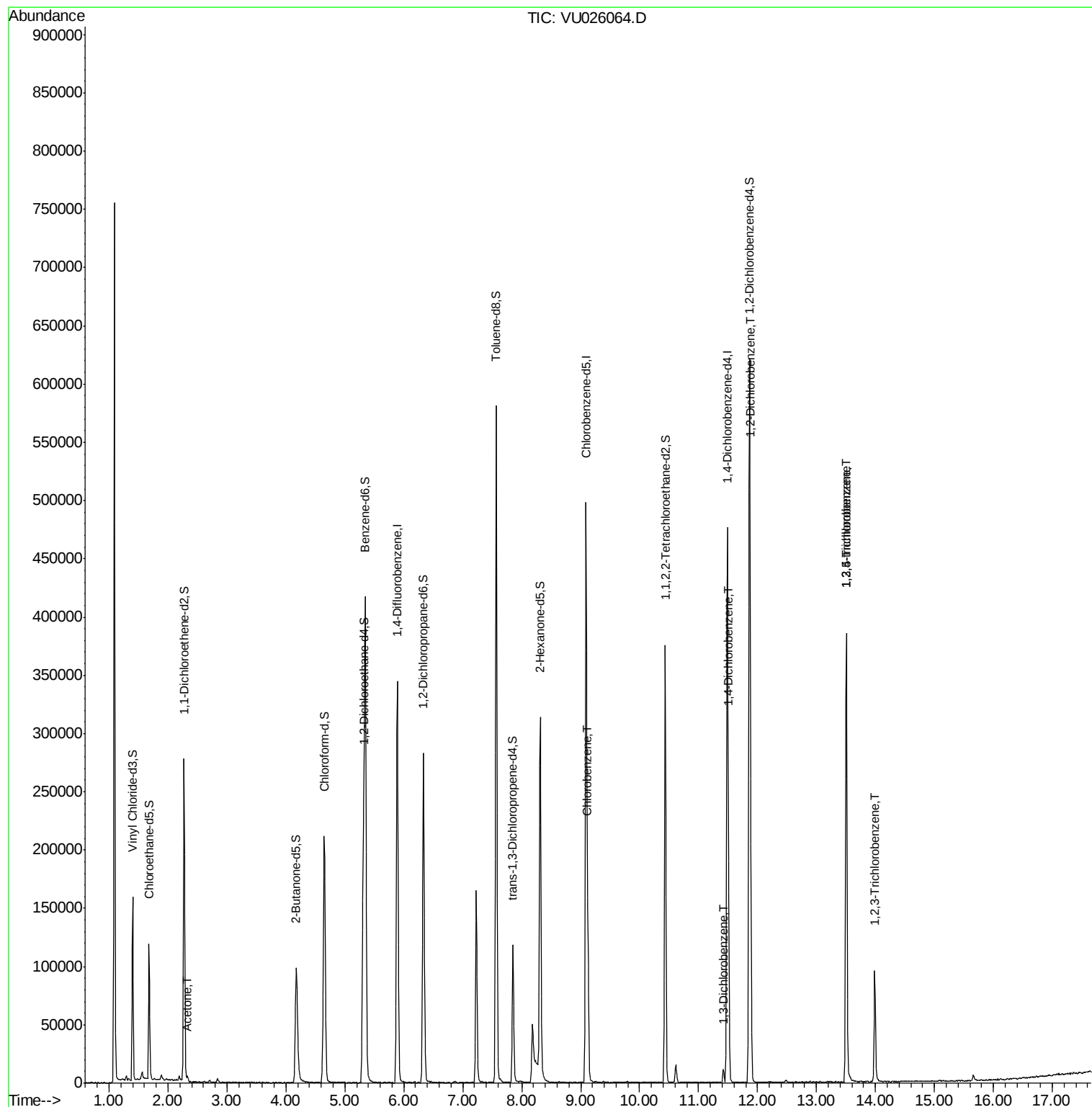
					Ovalue
13) Acetone	2.32	43	2267	2.067 ug/L	94
51) Chlorobenzene	9.12	112	70648	12.825 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	5034	1.315 ug/L #	85
63) 1,4-Dichlorobenzene	11.51	146	59260	14.768 ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	91763	22.521 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	123678	43.230 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	123678	51.120 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	31241	12.014 ug/L	96

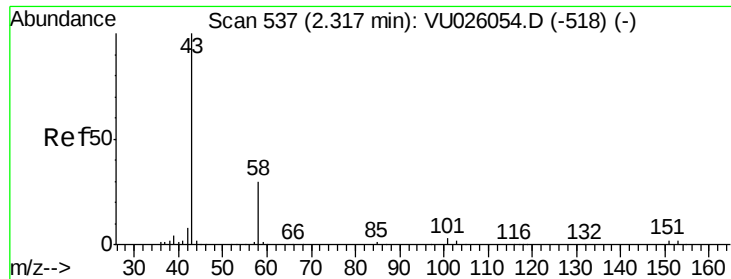
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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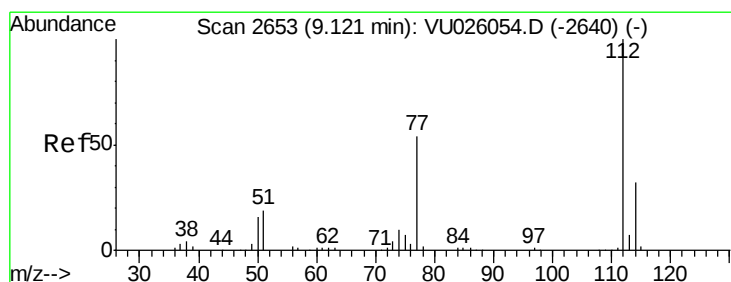
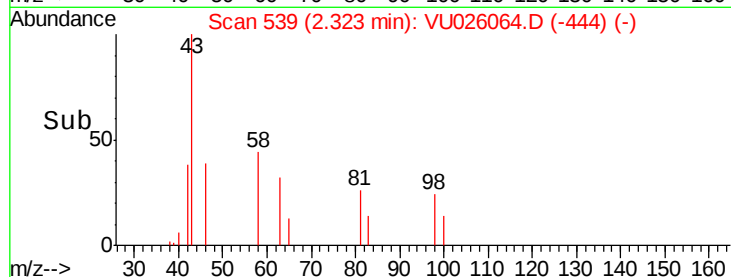
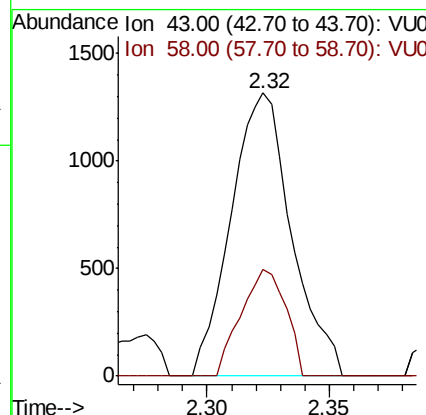
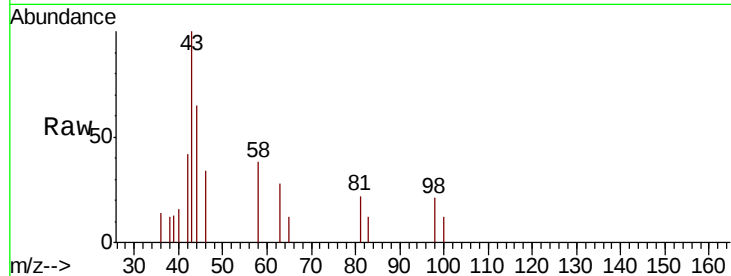




#13
Acetone
Concen: 2.067 ug/L
RT: 2.32 min Scan# 539
Delta R.T. 0.01 min
Lab File: VU026064.D
Acq: 13 Aug 2018 13:30

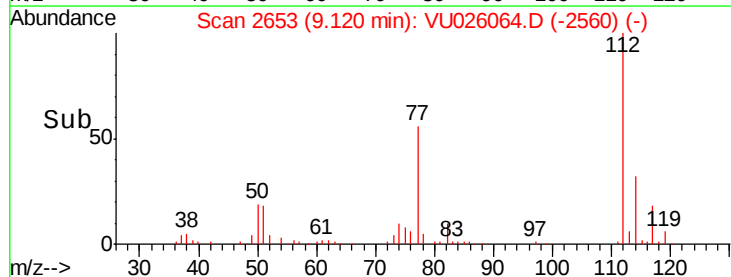
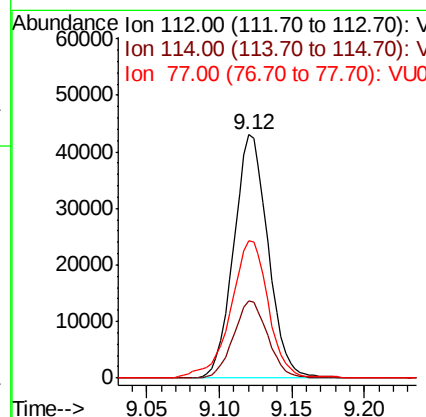
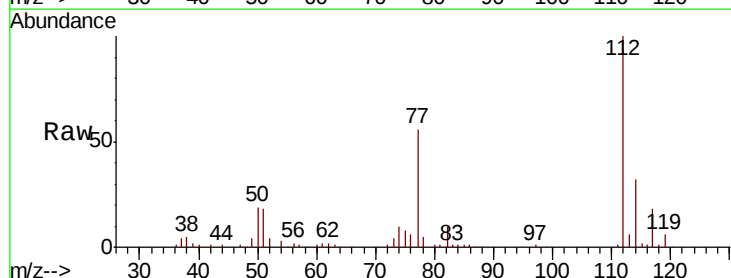
Instrument :
MSVOA_U
ClientSampleId :

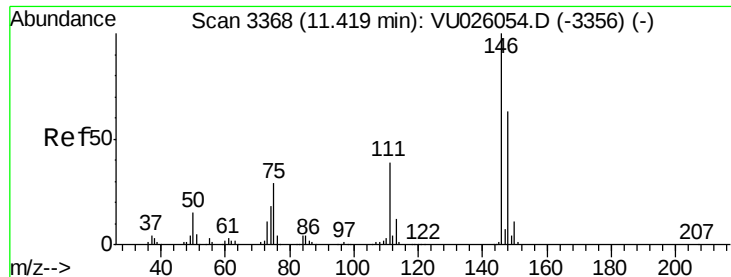
Tot Ion: 43 Resp: 2267
Ion Ratio Lower Upper
43 100
58 27.7 0.0 61.8



#51
Chlorobenzene
Concen: 12.825 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU026064.D
Acq: 13 Aug 2018 13:30

Tgt Ion: 112 Resp: 70648
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 56.4 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 1.315 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026064.D

Acq: 13 Aug 2018 13:30

Instrument :

MSVOA_U

ClientSampled :

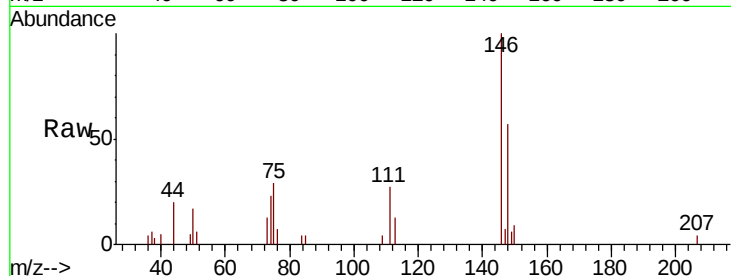
Tot Ion:146 Resp: 5034

Ion Ratio Lower Upper

146 100

111 26.9 27.9 51.9#

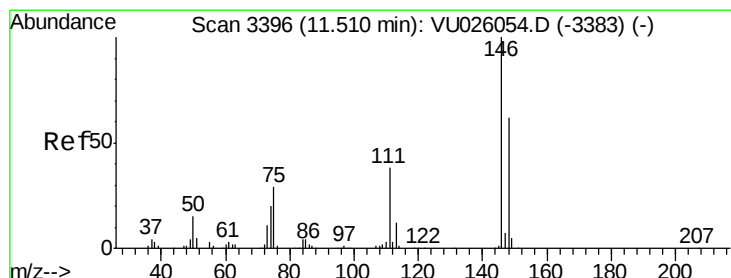
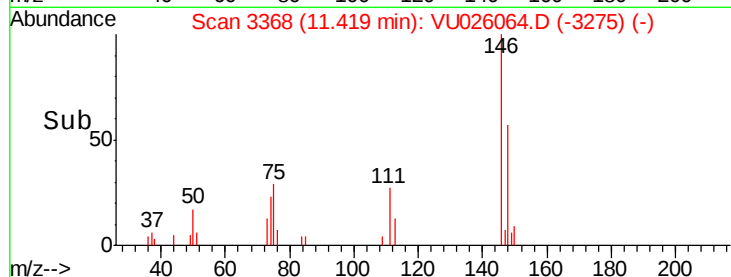
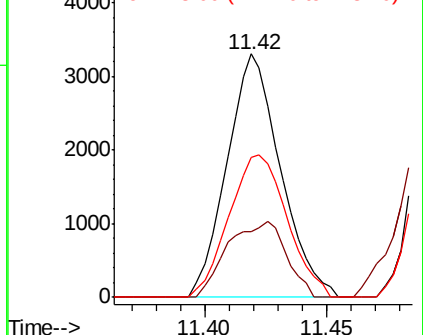
148 57.3 46.0 85.4



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: 14.768 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026064.D

Acq: 13 Aug 2018 13:30

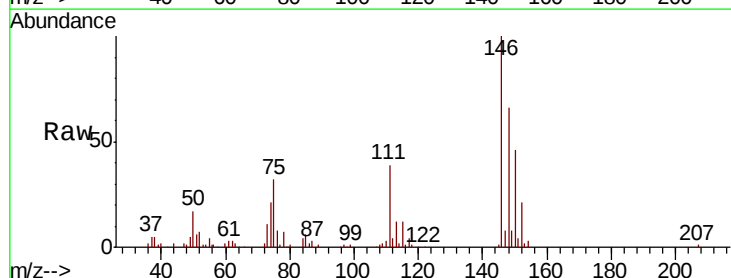
Tgt Ion:146 Resp: 59260

Ion Ratio Lower Upper

146 100

111 39.1 26.4 49.0

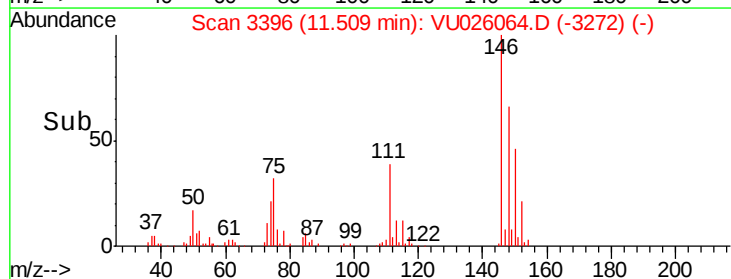
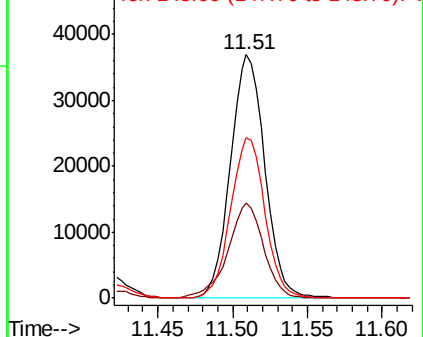
148 65.9 43.8 81.4

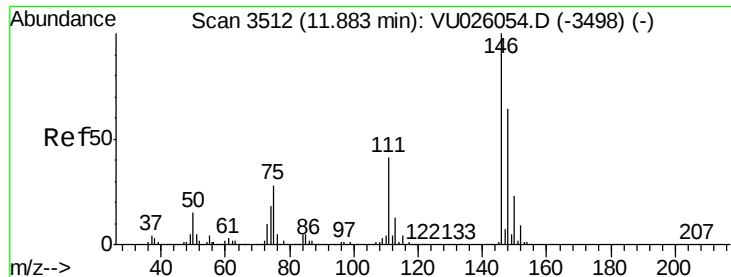


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 22.521 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026064.D

Acq: 13 Aug 2018 13:30

Instrument :

MSVOA_U

ClientSampleId :

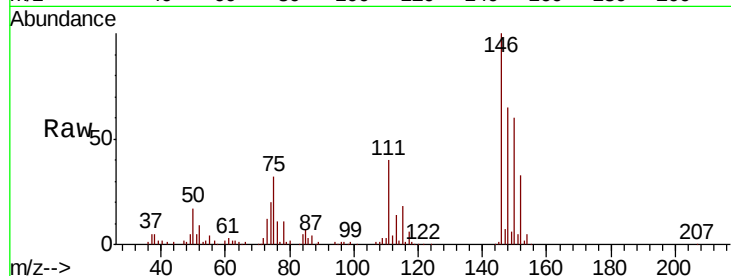
Tot Ion:146 Resp: 91763

Ion Ratio Lower Upper

146 100

111 40.5 32.4 48.6

148 65.4 50.1 75.1

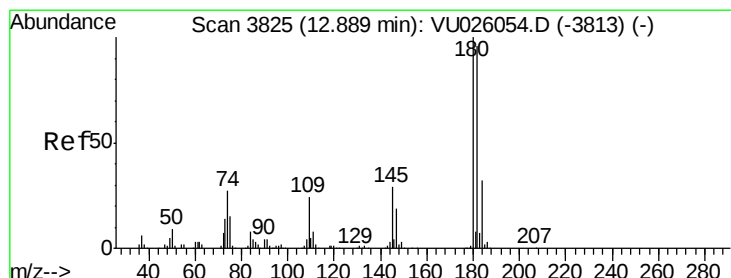
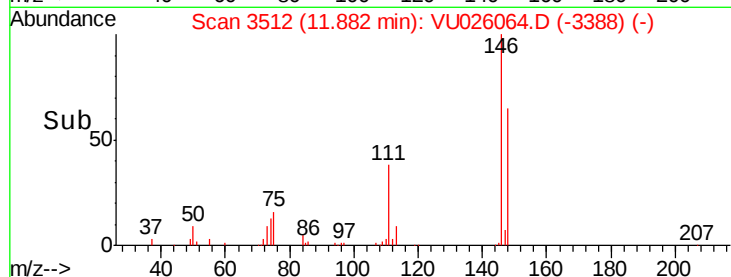
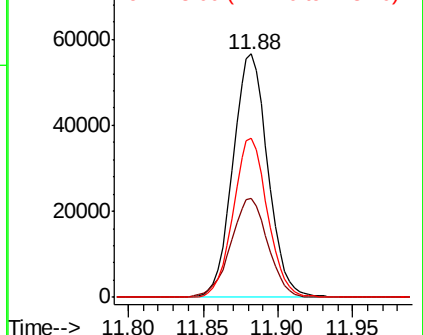


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 43.230 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.62 min

Lab File: VU026064.D

Acq: 13 Aug 2018 13:30

Tgt Ion:180 Resp: 123678

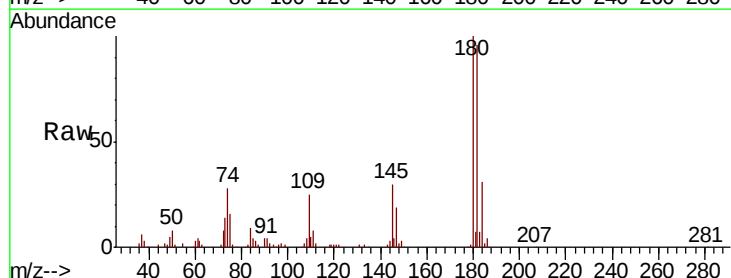
Ion Ratio Lower Upper

180 100

182 96.3 76.5 114.7

184 30.1 24.3 36.5

145 29.8 23.5 35.3



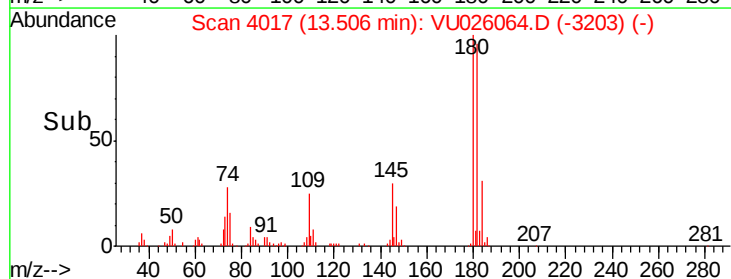
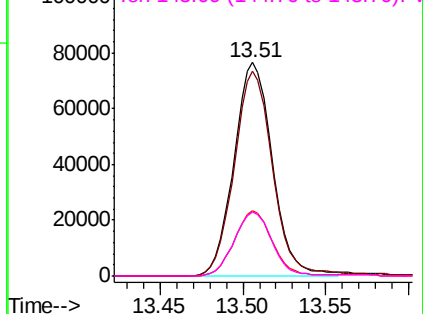
Abundance

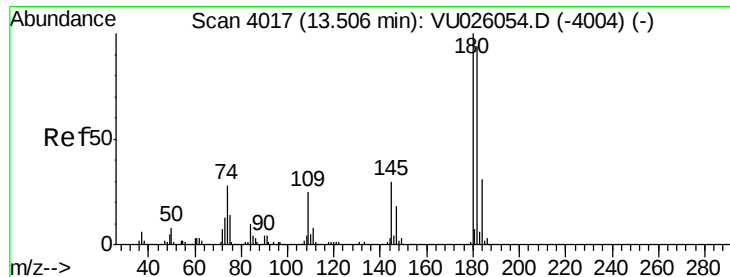
Ion 180.00 (179.70 to 180.70): V

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

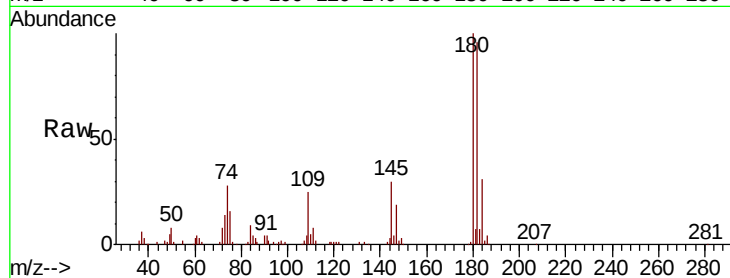




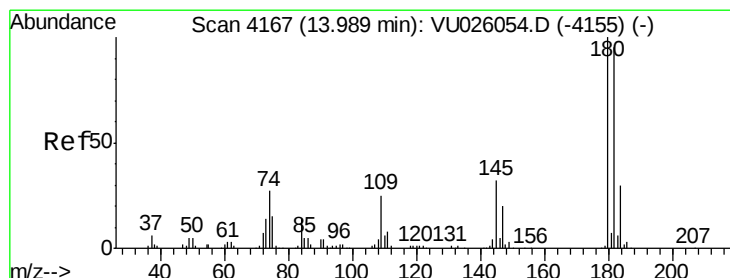
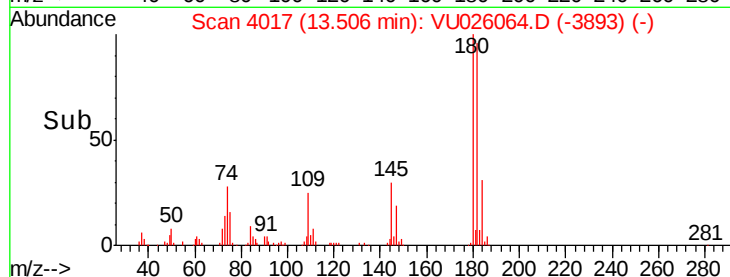
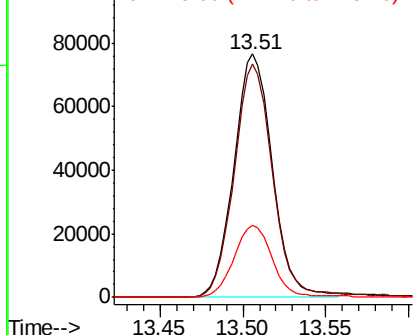
#68
 1,2,4-trichlorobenzene
 Concen: 51.120 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026064.D
 Acq: 13 Aug 2018 13:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 123678
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.5 114.7
 145 29.8 24.2 36.4

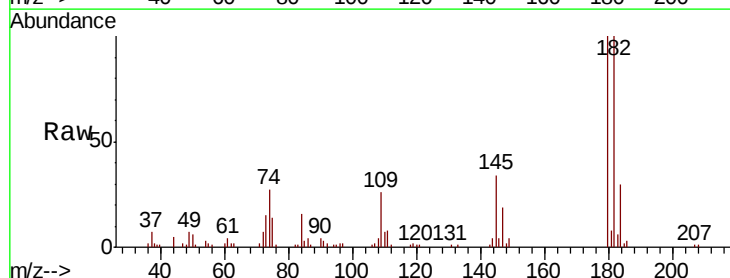


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 12.014 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026064.D
 Acq: 13 Aug 2018 13:30

Tgt Ion:180 Resp: 31241
 Ion Ratio Lower Upper
 180 100
 182 100.5 76.5 114.7
 145 31.4 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

