

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026061.D
 Acq On : 13 Aug 2018 12:18
 Operator : MD/SY
 Sample : J4401-08DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 14 01:15:03 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	300546	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	280903	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	128568	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99282	45.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.38%
7) Chloroethane-d5	1.68	69	81949	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.10%
11) 1,1-Dichloroethene-d2	2.27	63	153846	36.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.70%
21) 2-Butanone-d5	4.17	46	155508	84.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.93%
24) Chloroform-d	4.65	84	211481	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.31	65	142553	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.60%
32) Benzene-d6	5.35	84	411372	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
36) 1,2-Dichloropropane-d6	6.33	67	131060	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.88%
41) Toluene-d8	7.57	98	380580	45.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.85	79	64981	45.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.40%
47) 2-Hexanone-d5	8.31	63	107697	84.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.01%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	179904	43.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	152732	48.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.38%

Target Compounds

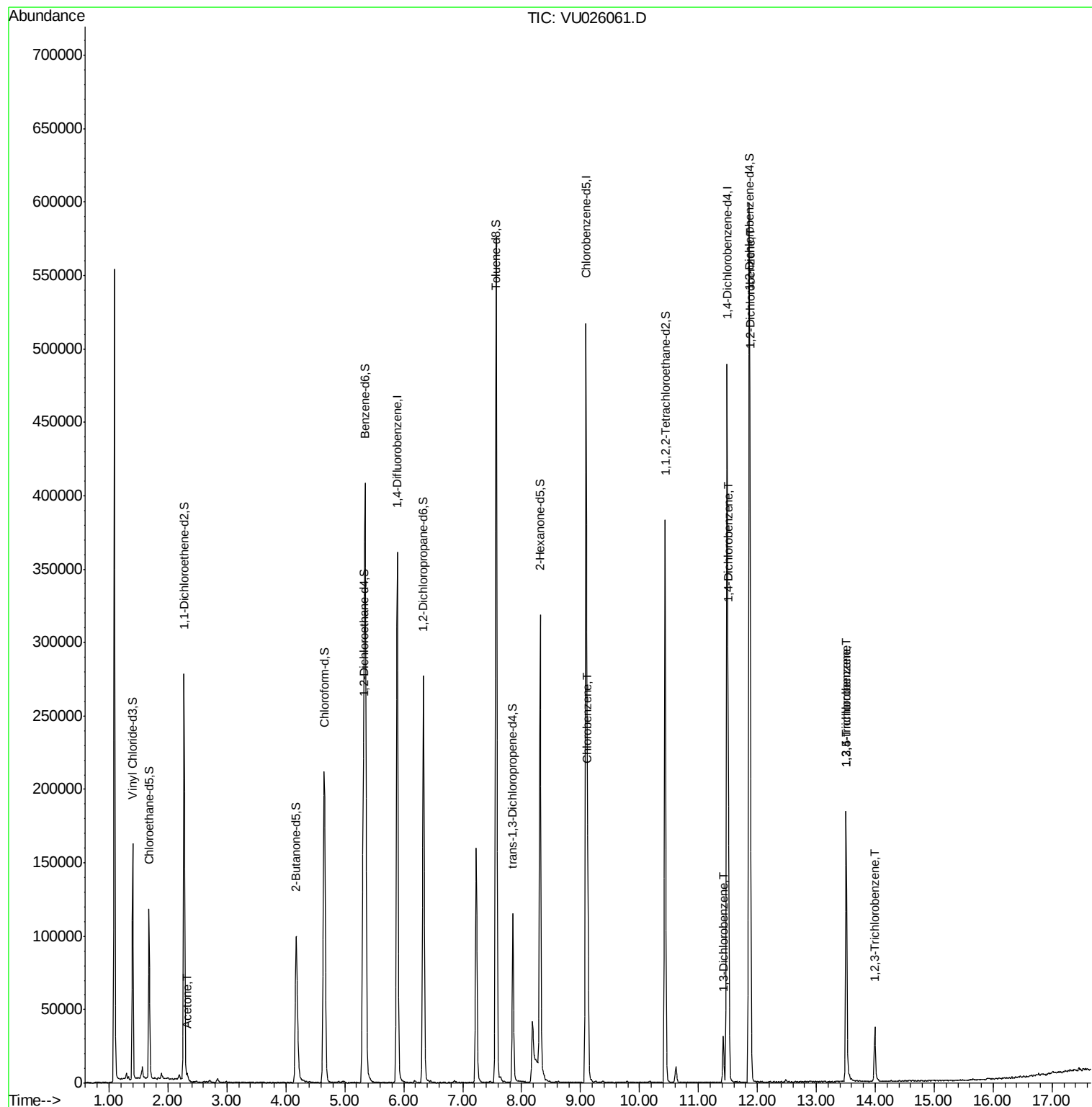
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	2891	2.542	ug/L	100
51) Chlorobenzene	9.12	112	78526	13.714	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	13296	3.322	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	57266	13.648	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	65282	15.323	ug/L	97
67) 1,3,5-Trichlorobenzene	13.51	180	61378	20.518	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	61378	24.263	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	13116	4.824	ug/L	99

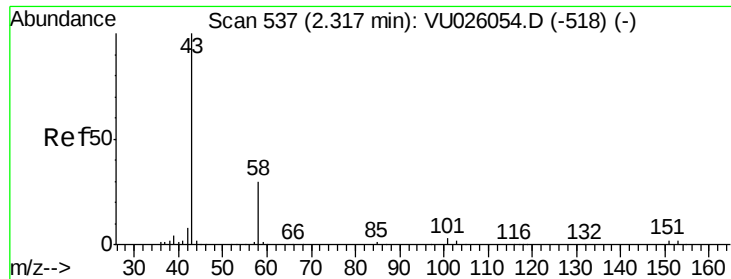
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 01:13:22 2018
Response via : Initial Calibration

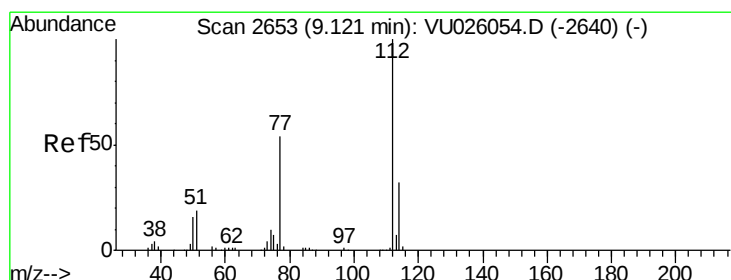
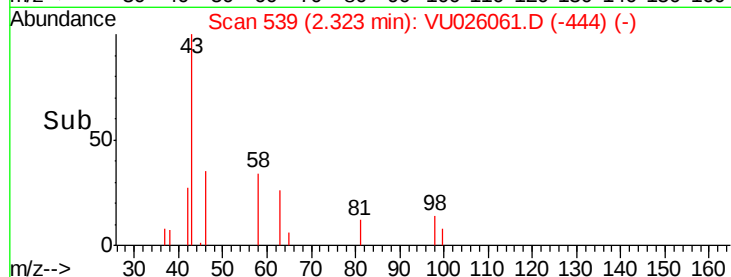
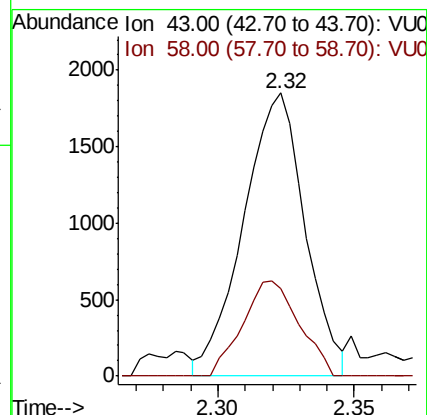
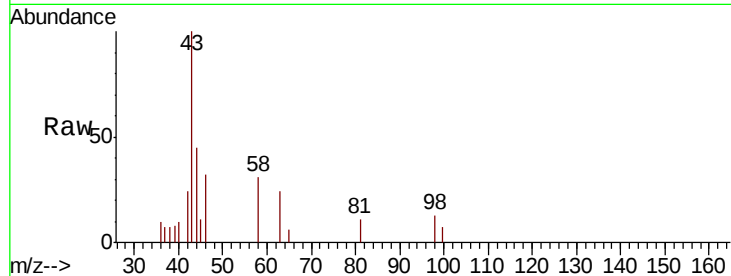




#13
Acetone
Concen: 2.542 ug/L
RT: 2.32 min Scan# 539
Delta R.T. 0.01 min
Lab File: VU026061.D
Acq: 13 Aug 2018 12:18

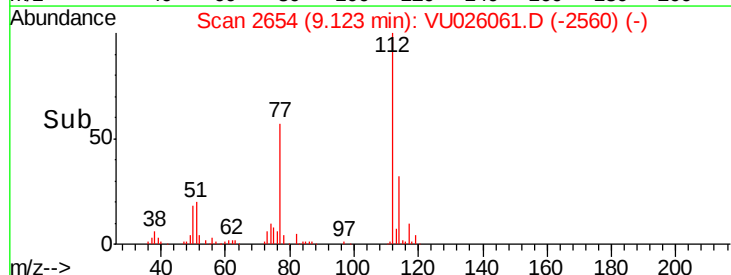
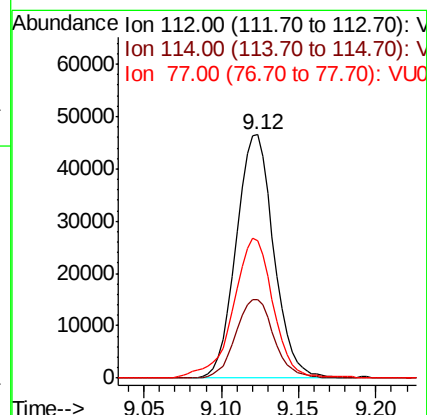
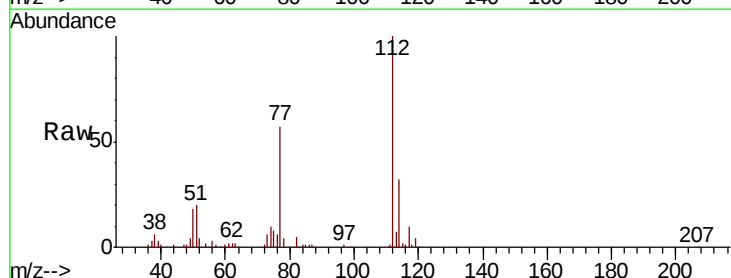
Instrument :
MSVOA_U
ClientSampleId :

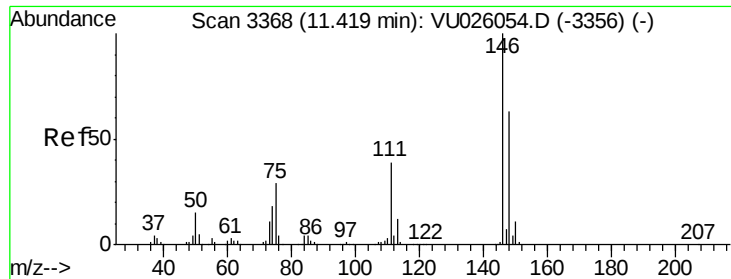
Tot Ion: 43 Resp: 2891
Ion Ratio Lower Upper
43 100
58 30.9 0.0 61.8



#51
Chlorobenzene
Concen: 13.714 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026061.D
Acq: 13 Aug 2018 12:18

Tgt Ion: 112 Resp: 78526
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 56.7 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 3.322 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026061.D

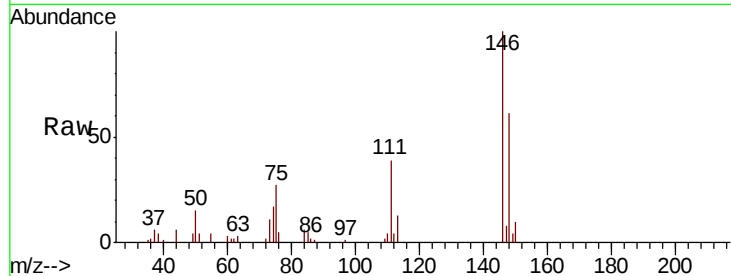
Acq: 13 Aug 2018 12:18

Instrument :

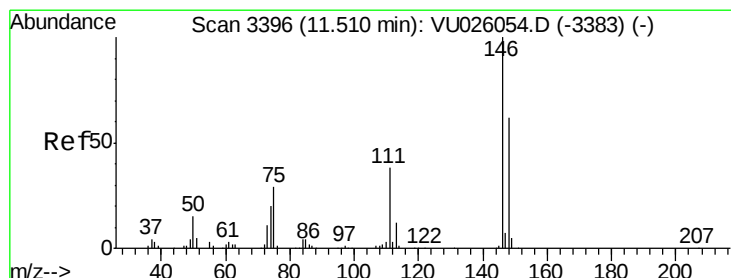
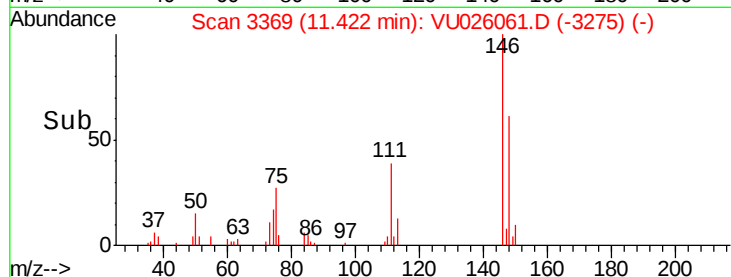
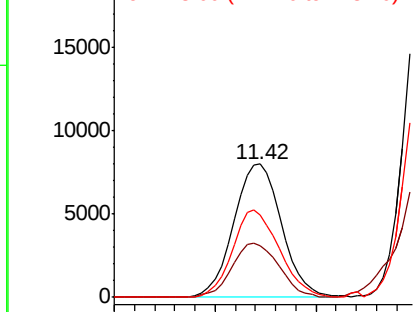
MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	13296
Ion Ratio	Lower	Upper
146	100	
111	38.9	27.9 51.9
148	61.3	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: 13.648 ug/L

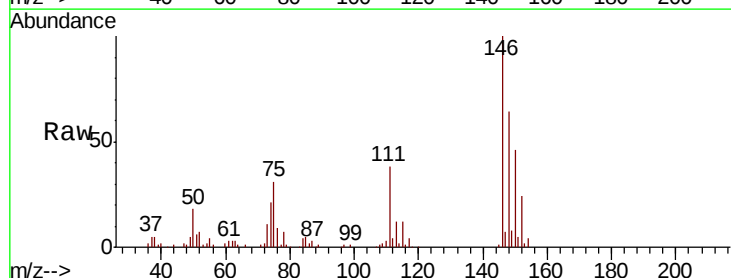
RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

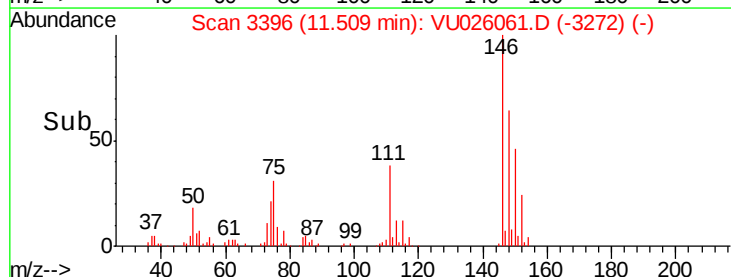
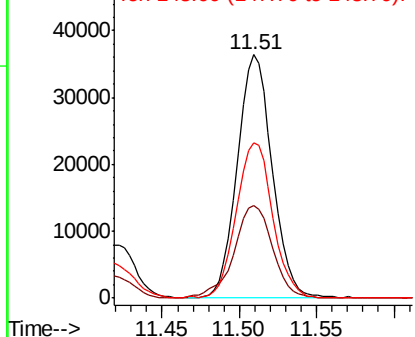
Lab File: VU026061.D

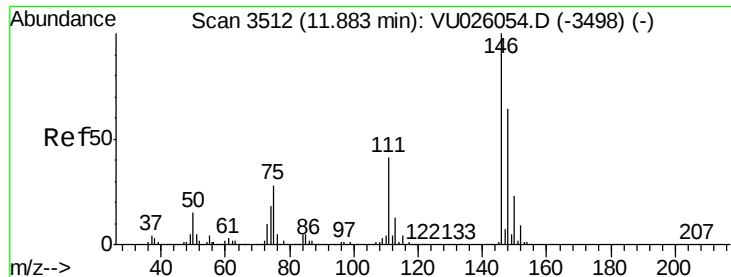
Acq: 13 Aug 2018 12:18

Tgt Ion:146	Resp:	57266
Ion Ratio	Lower	Upper
146	100	
111	38.2	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: 15.323 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026061.D

Acq: 13 Aug 2018 12:18

Instrument :

MSVOA_U

ClientSampleId :

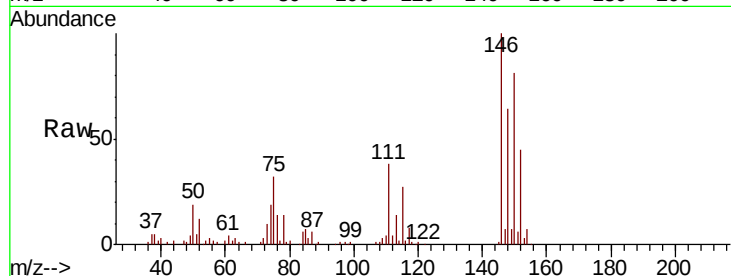
Tot Ion:146 Resp: 65282

Ion Ratio Lower Upper

146 100

111 37.8 32.4 48.6

148 64.3 50.1 75.1

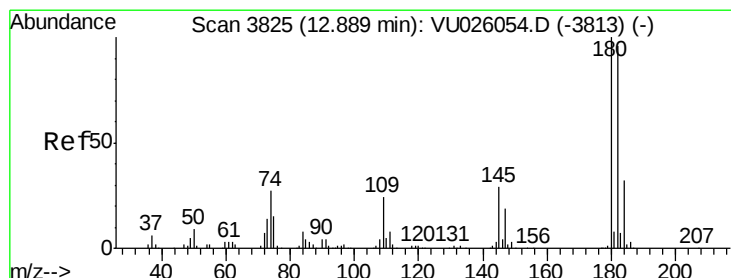
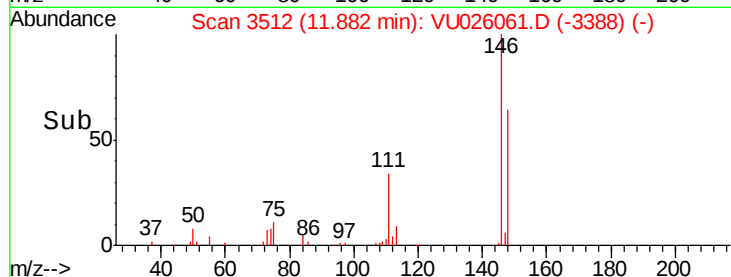
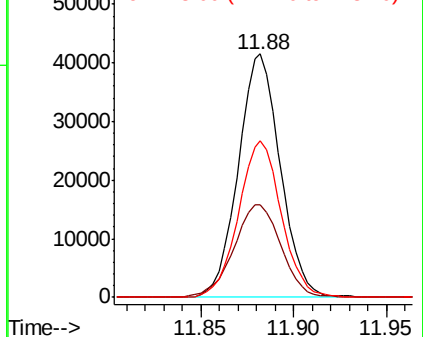


Abundance

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: 20.518 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.62 min

Lab File: VU026061.D

Acq: 13 Aug 2018 12:18

Tgt Ion:180 Resp: 61378

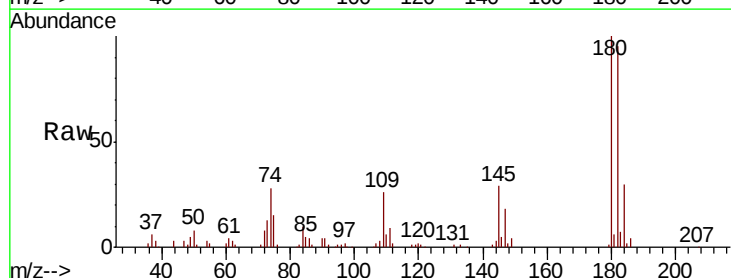
Ion Ratio Lower Upper

180 100

182 94.8 76.5 114.7

184 30.5 24.3 36.5

145 29.1 23.5 35.3



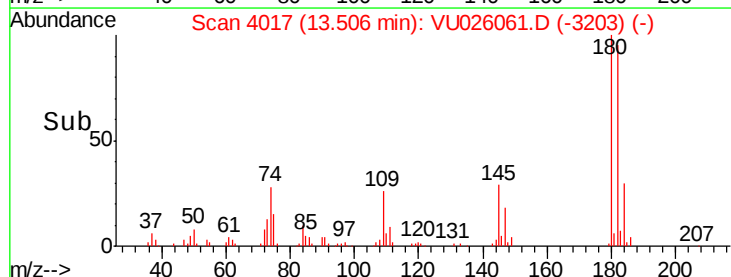
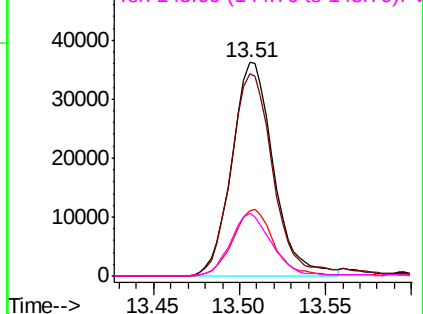
Abundance

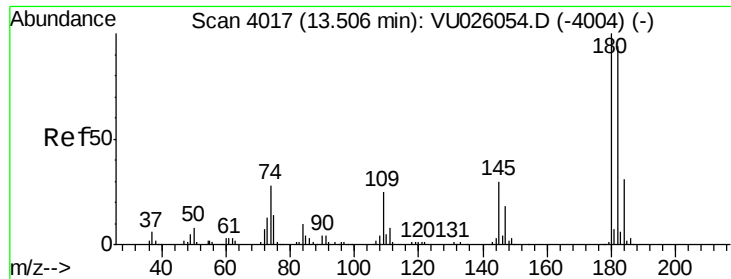
Ion 180.00 (179.70 to 180.70): V

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

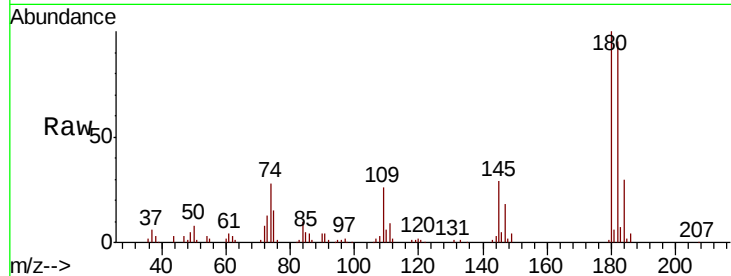




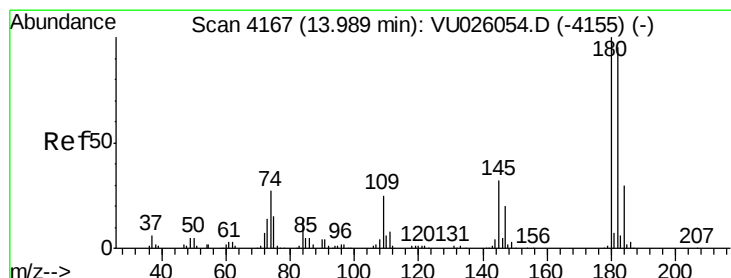
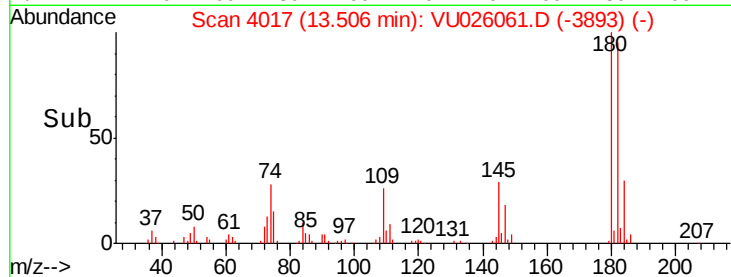
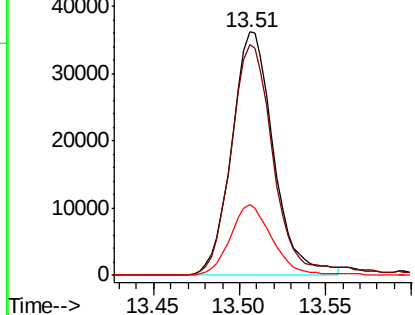
#68
 1,2,4-trichlorobenzene
 Concen: 24.263 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026061.D
 Acq: 13 Aug 2018 12:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 61378
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.5 114.7
 145 29.1 24.2 36.4

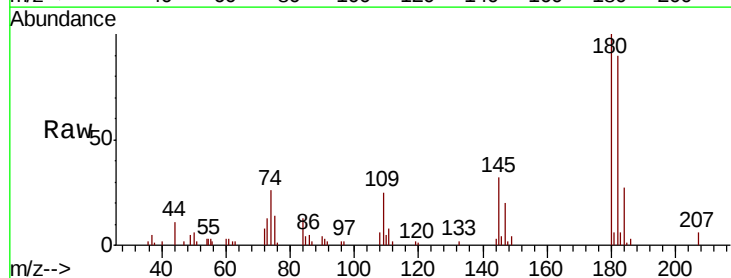


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 4.824 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026061.D
 Acq: 13 Aug 2018 12:18

Tgt Ion:180 Resp: 13116
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.5 114.7
 145 30.2 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

