

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU025997.D
 Acq On : 09 Aug 2018 15:35
 Operator : MD/SY
 Sample : J4361-20DL 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA2DL

Quant Time: Aug 10 06:46:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	296312	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	275628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	122068	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90096	41.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.20%
7) Chloroethane-d5	1.68	69	79111	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.14%
11) 1,1-Dichloroethene-d2	2.27	63	136779	33.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.46%
21) 2-Butanone-d5	4.18	46	174251	96.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.53%
24) Chloroform-d	4.65	84	210065	45.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	5.31	65	146124	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.20%
32) Benzene-d6	5.35	84	403184	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
36) 1,2-Dichloropropane-d6	6.33	67	132200	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.48%
41) Toluene-d8	7.57	98	369266	45.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.85	79	65939	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
47) 2-Hexanone-d5	8.31	63	119850	95.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.28%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	187342	46.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	147744	49.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

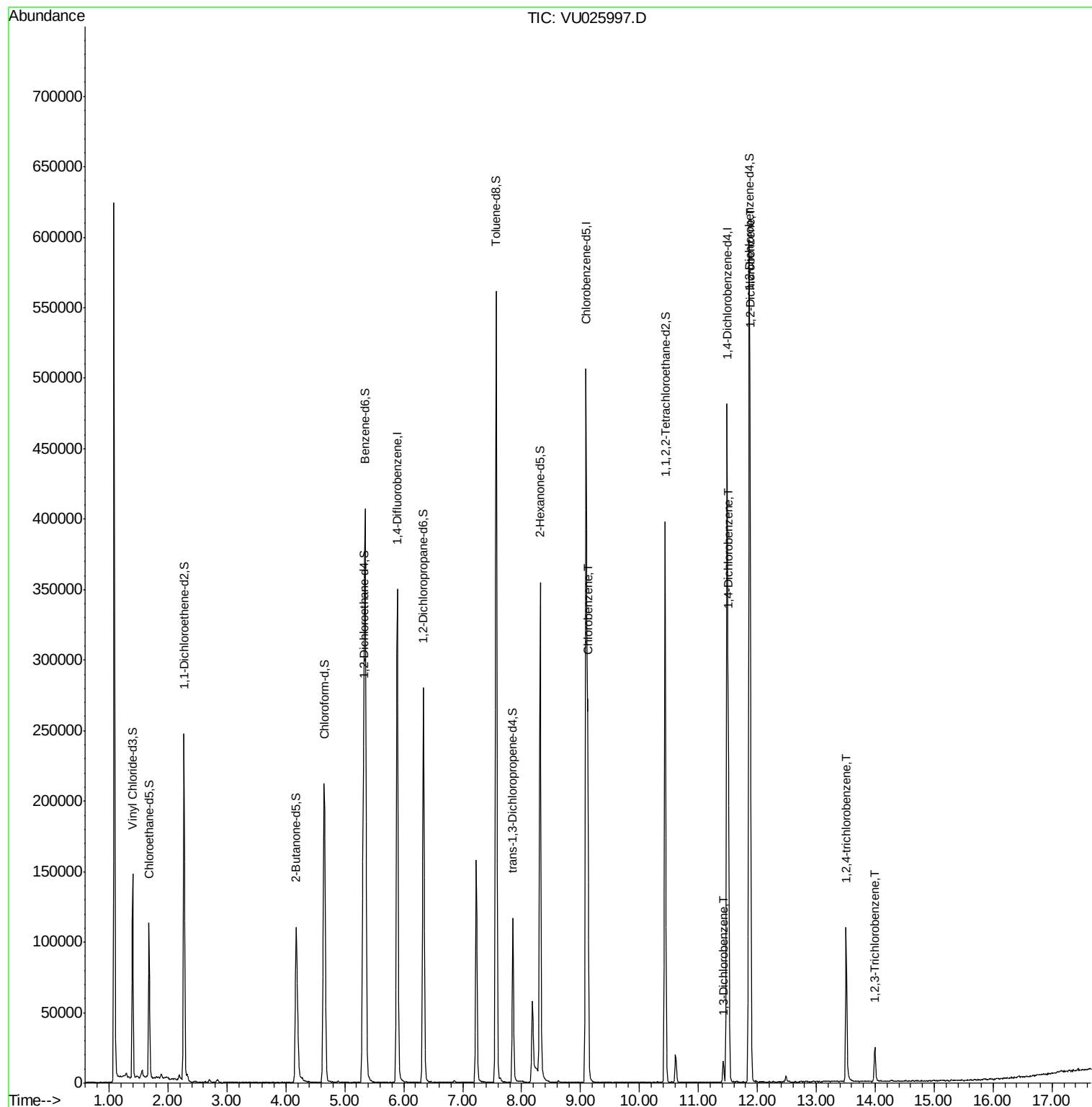
						Ovalue
51) Chlorobenzene	9.12	112	132587	23.60	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	6871	1.81	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	74259	18.64	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	88733	21.94	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	36381	15.15	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	9449	3.66	ug/L	95

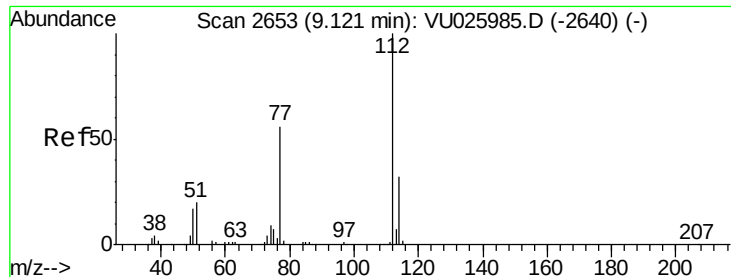
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 10 05:14:50 2018
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 23.60 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025997.D

Acq: 09 Aug 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

A4ZA2DL

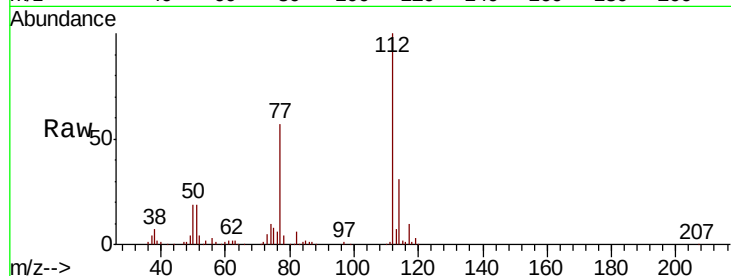
Tot Ion:112 Resp: 132587

Ion Ratio Lower Upper

112 100

114 31.3 22.7 42.3

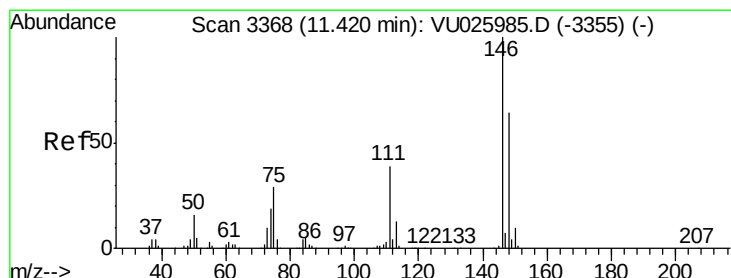
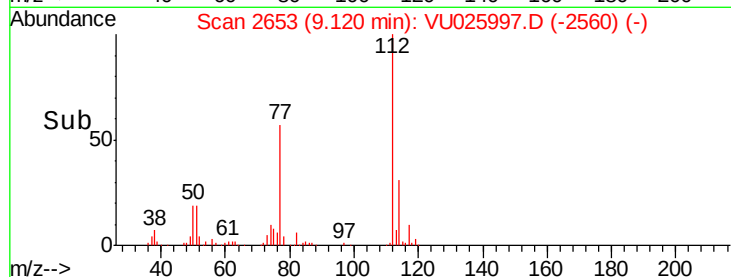
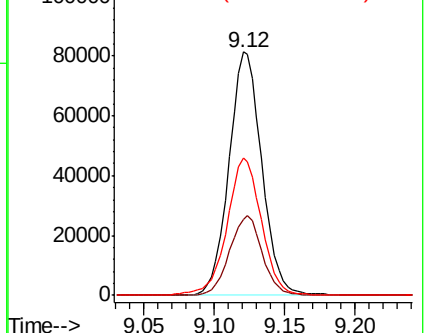
77 56.6 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#62

1,3-Dichlorobenzene

Concen: 1.81 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025997.D

Acq: 09 Aug 2018 15:35

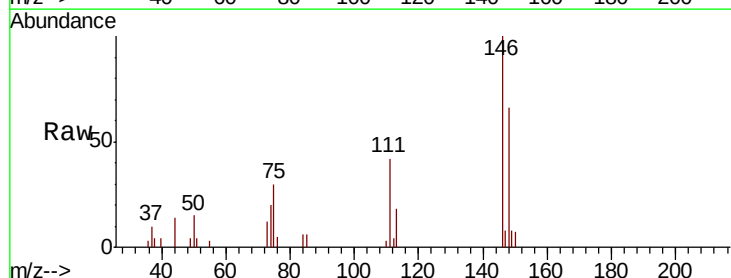
Tgt Ion:146 Resp: 6871

Ion Ratio Lower Upper

146 100

111 42.0 27.9 51.9

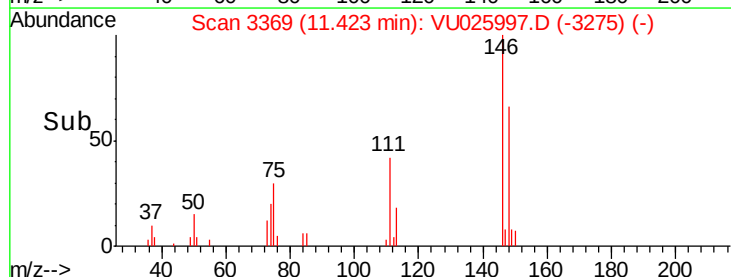
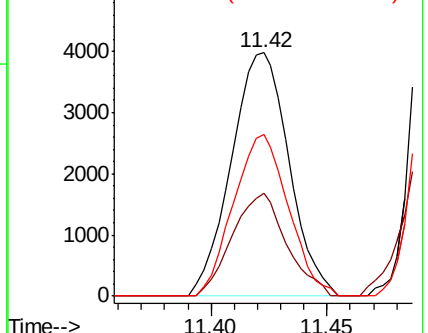
148 66.3 46.0 85.4

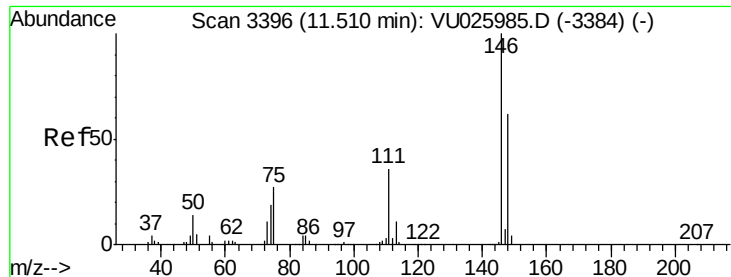


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

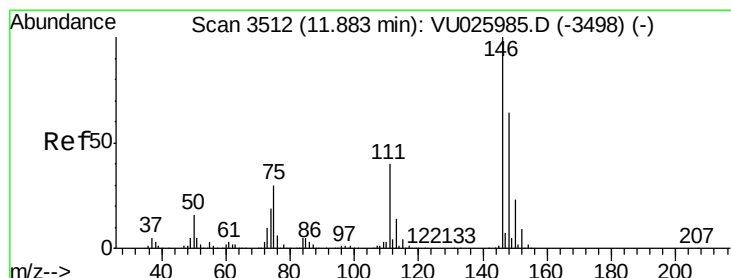
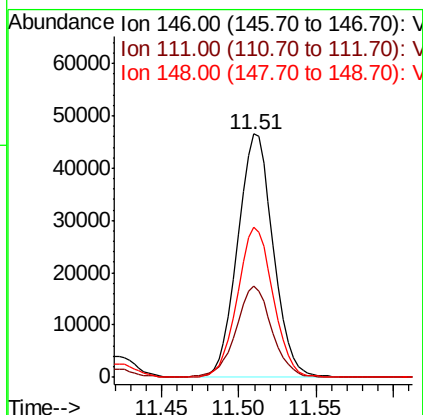
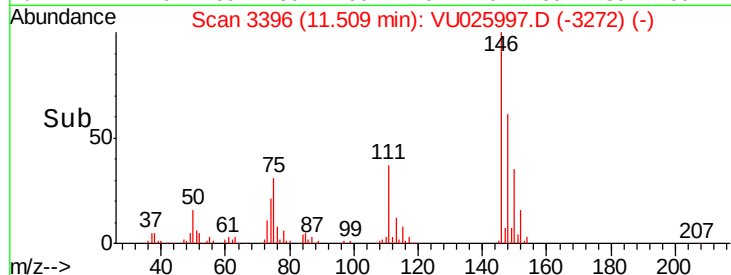
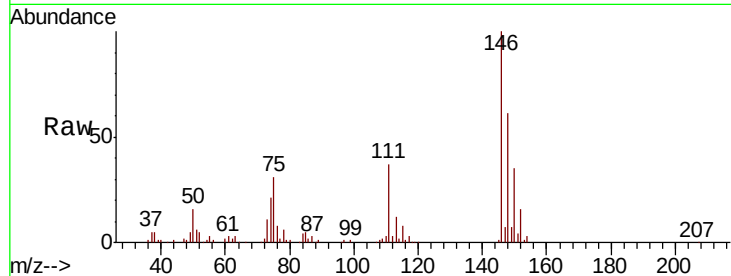




#63
 1,4-Dichlorobenzene
 Concen: 18.64 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025997.D
 Acq: 09 Aug 2018 15:35

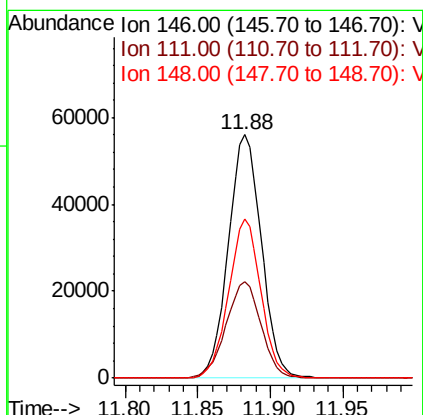
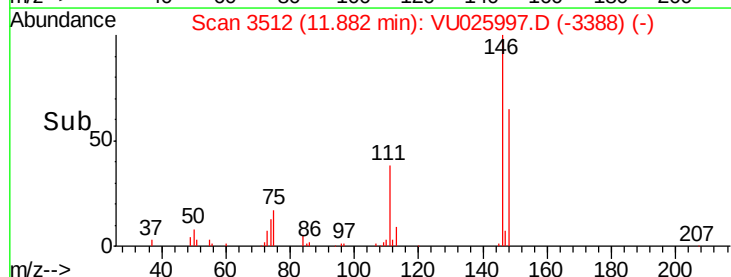
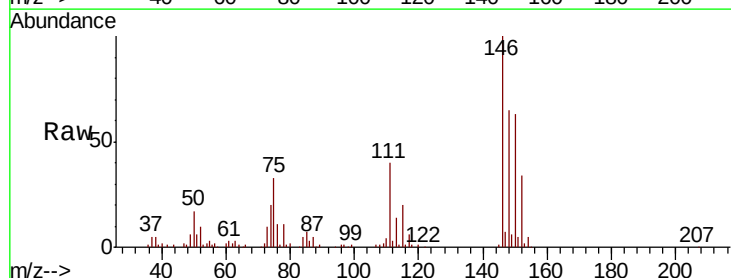
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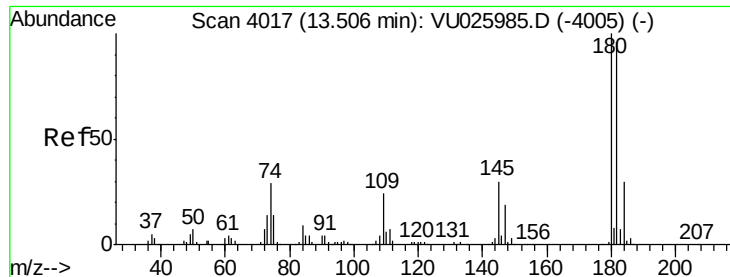
Tot Ion:146 Resp: 74259
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.4 49.0
 148 61.5 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 21.94 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025997.D
 Acq: 09 Aug 2018 15:35

Tgt Ion:146 Resp: 88733
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.4 48.6
 148 65.2 50.1 75.1

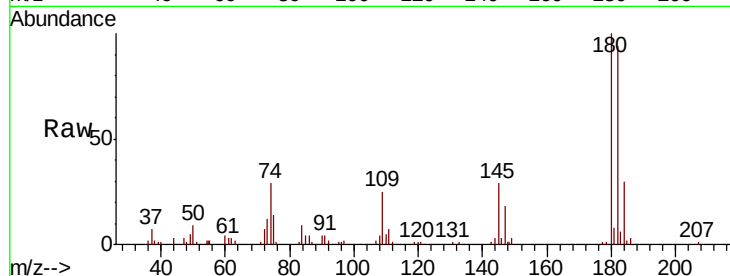




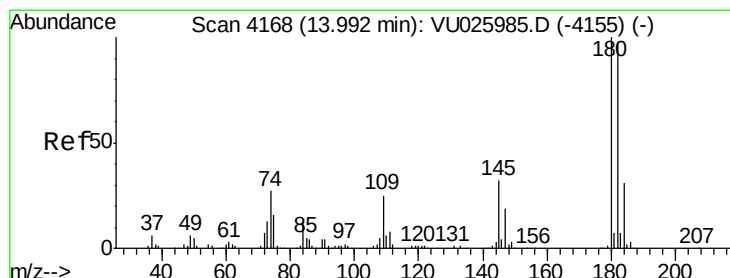
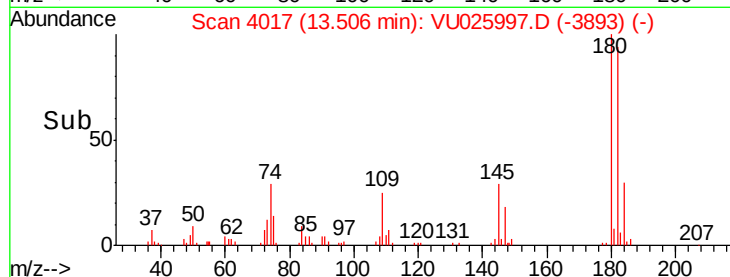
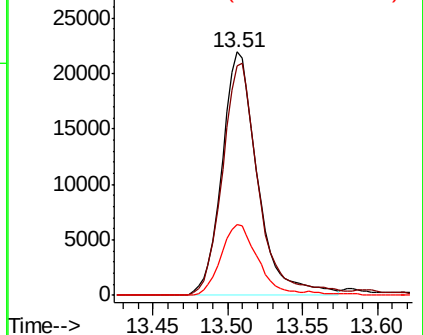
#68
 1,2,4-trichlorobenzene
 Concen: 15.15 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025997.D
 Acq: 09 Aug 2018 15:35

Instrument :
 MSVOA_U
 ClientSampled :
 A4ZA2DL

Tot Ion:180 Resp: 36381
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.5 114.7
 145 29.8 24.2 36.4

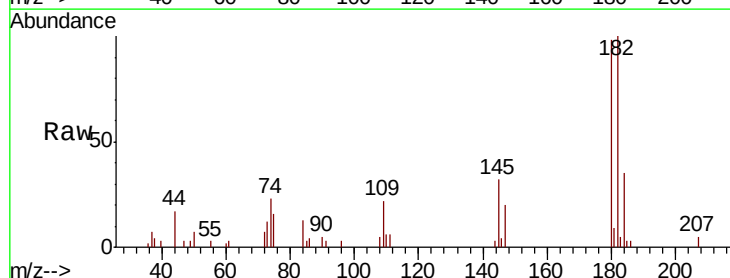


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 3.66 ug/L
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.00 min
 Lab File: VU025997.D
 Acq: 09 Aug 2018 15:35

Tgt Ion:180 Resp: 9449
 Ion Ratio Lower Upper
 180 100
 182 101.8 76.5 114.7
 145 31.3 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

