

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 :

Quant Time: Aug 10 05:17:12 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

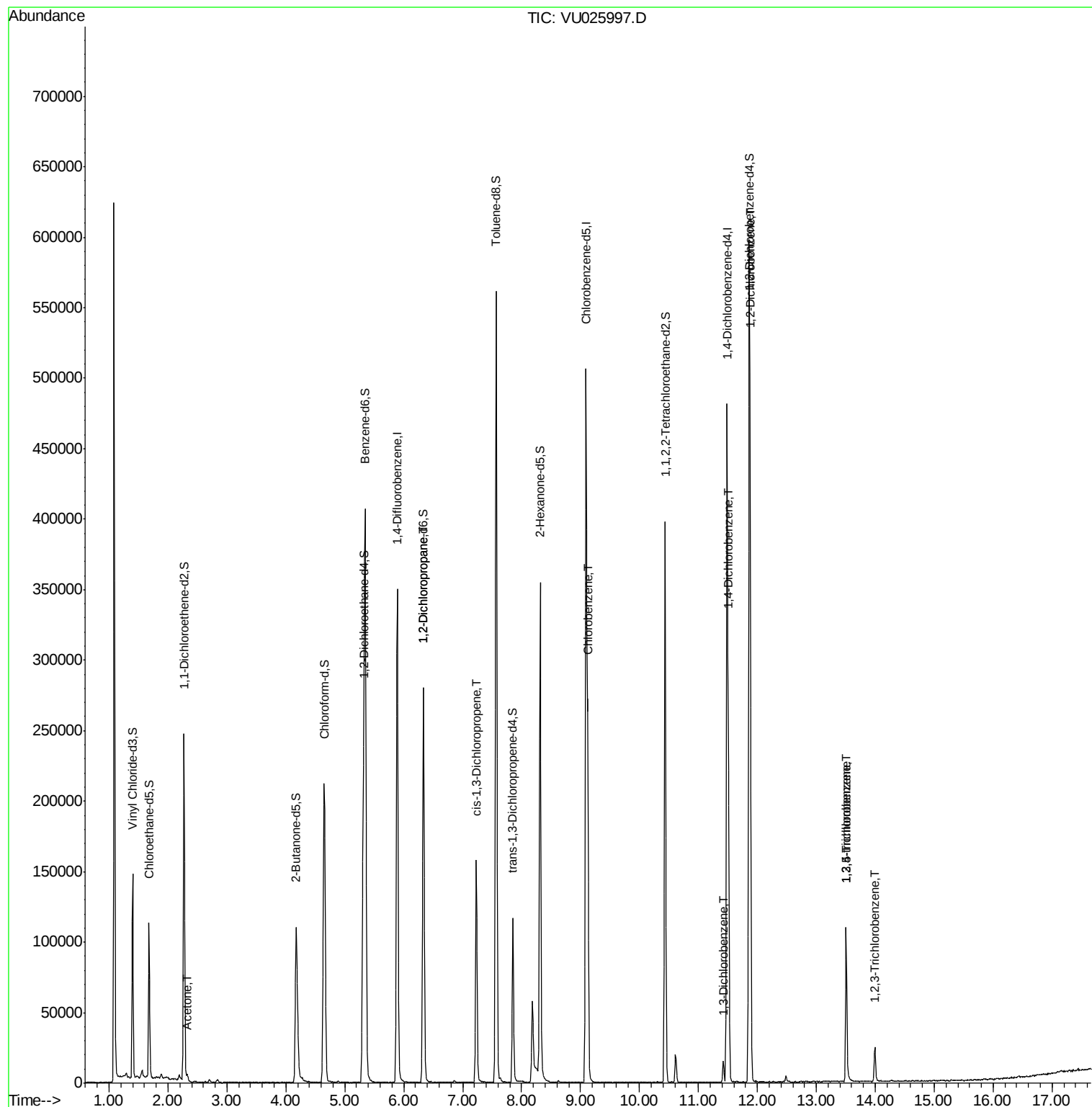
					Ovalue
13) Acetone	2.32	43	3425	3.054	ug/L 91
37) 1,2-Dichloropropane	6.34	63	14738	6.861	ug/L # 89
39) cis-1,3-Dichloropropene	7.23	75	4229	1.299	ug/L # 68
51) Chlorobenzene	9.12	112	132587	23.599	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	6871	1.808	ug/L 98
63) 1,4-Dichlorobenzene	11.51	146	74259	18.640	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	88733	21.936	ug/L 97
67) 1,3,5-Trichlorobenzene	13.51	180	36381	12.809	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	36381	15.147	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	9449	3.660	ug/L 95

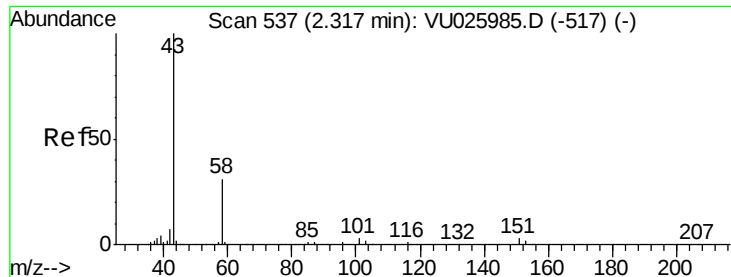
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 3.054 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025997.D

Acq: 09 Aug 2018 15:35

Instrument :

MSVOA_U

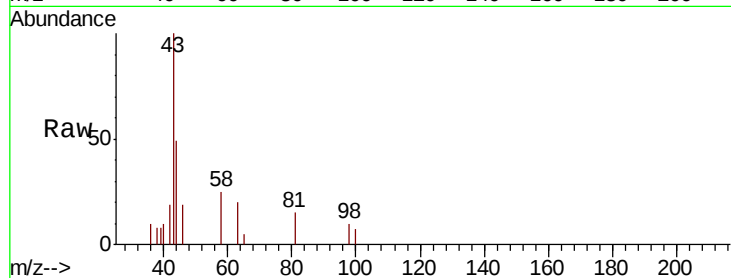
ClientSampleId :

Tot Ion: 43 Resp: 3425

Ion Ratio Lower Upper

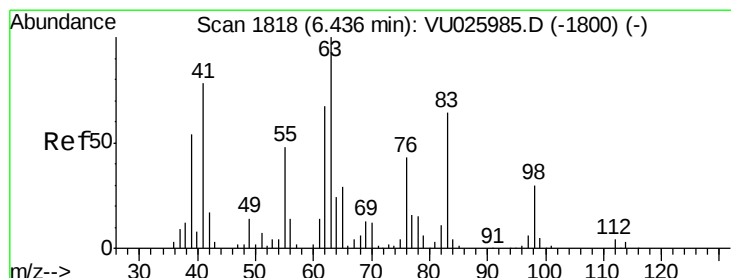
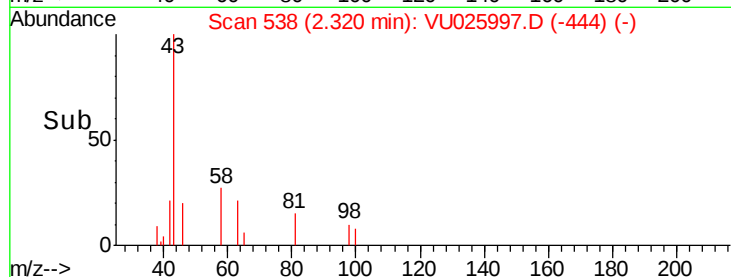
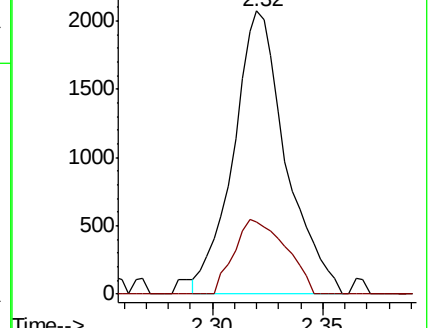
43 100

58 25.8 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-517) (-)

Ion 58.00 (57.70 to 58.70): VU025985.D (-517) (-)



#37

1,2-Dichloropropane

Concen: 6.861 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU025997.D

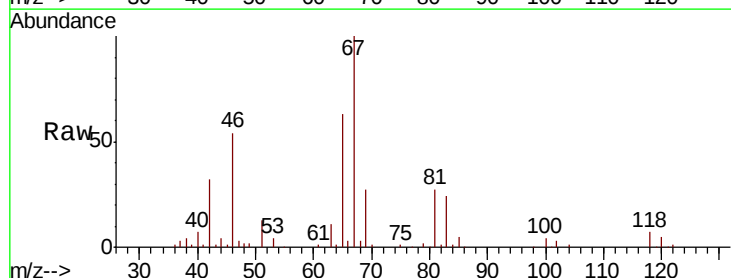
Acq: 09 Aug 2018 15:35

Tgt Ion: 63 Resp: 14738

Ion Ratio Lower Upper

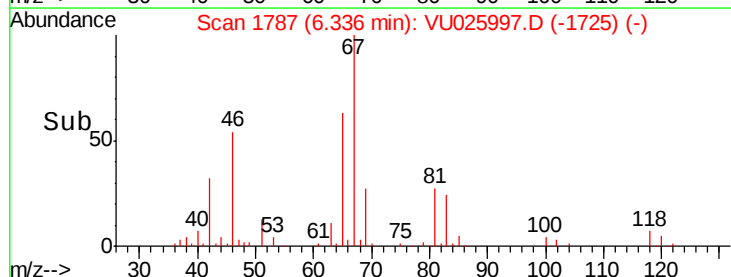
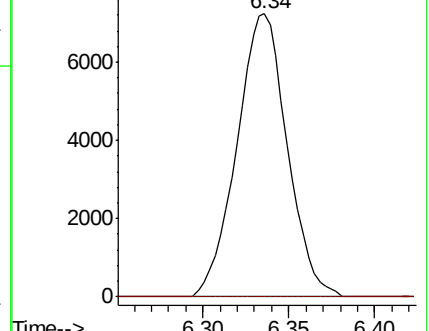
63 100

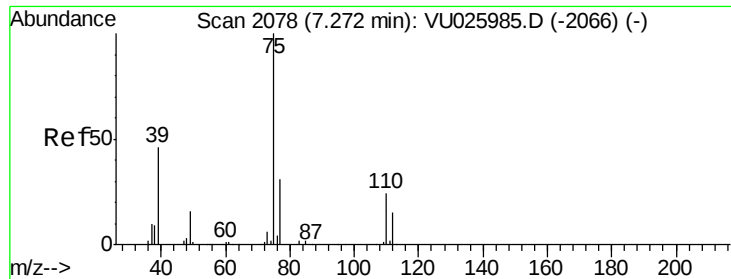
112 0.3 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU025985.D (-1800) (-)

Ion 112.00 (111.70 to 112.70): VU025985.D (-1800) (-)

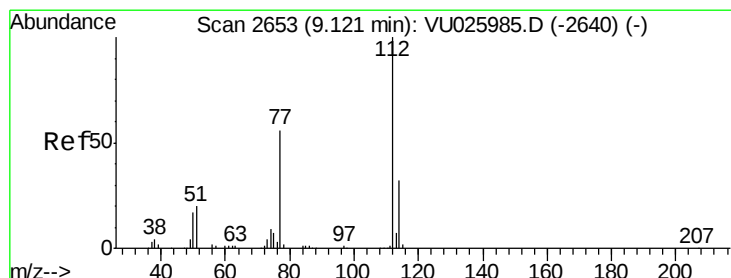
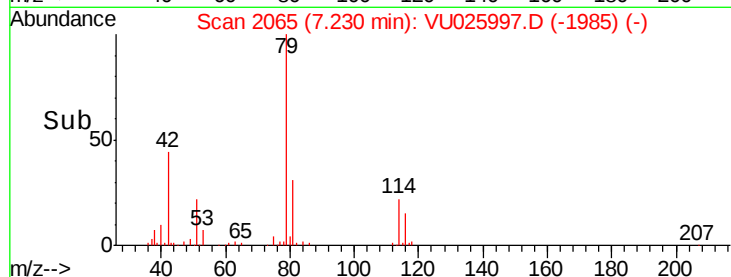
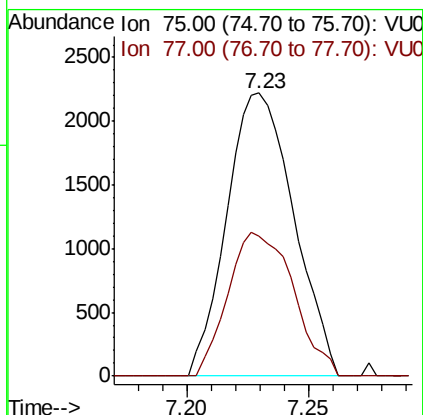
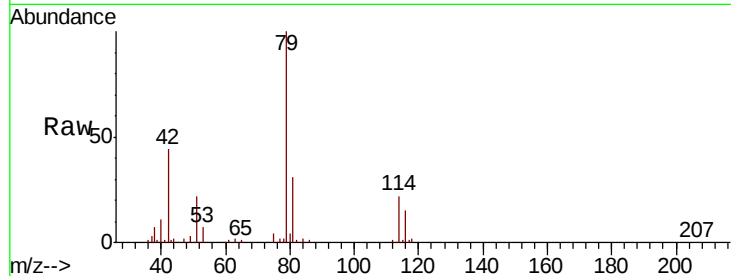




#39
 cis-1,3-Dichloropropene
 Concen: 1.299 ug/L
 RT: 7.23 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: VU025997.D
 Acq: 09 Aug 2018 15:35

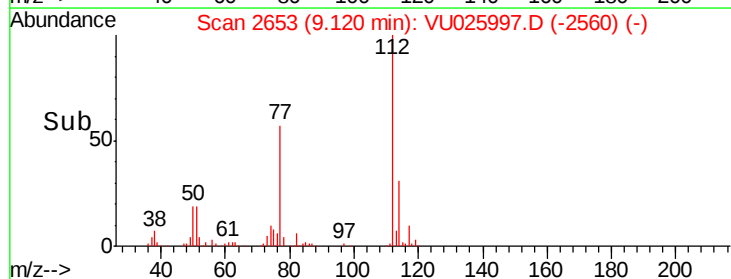
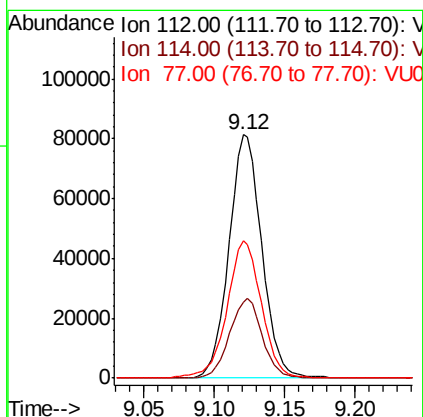
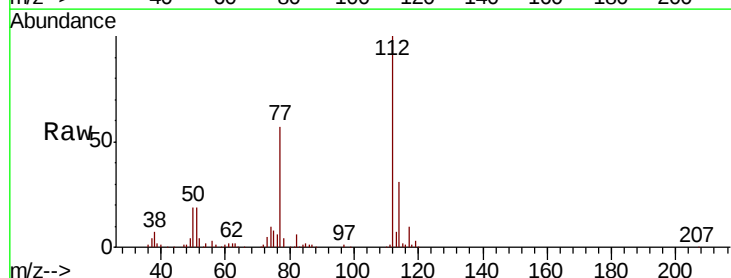
Instrument :
 MSVOA_U
 ClientSampleId :

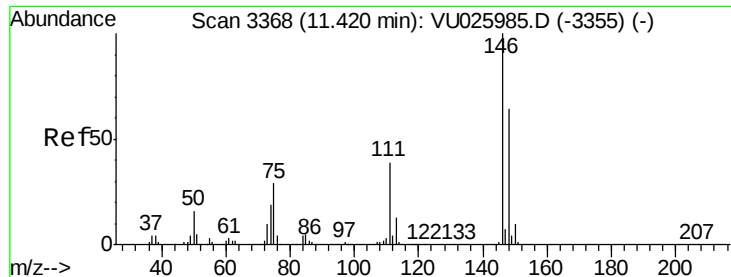
Tot Ion: 75 Resp: 4229
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.1 41.1#



#51
 Chlorobenzene
 Concen: 23.599 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU025997.D
 Acq: 09 Aug 2018 15:35

Tgt Ion: 112 Resp: 132587
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.7 42.3
 77 56.6 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 1.808 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025997.D

Acq: 09 Aug 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

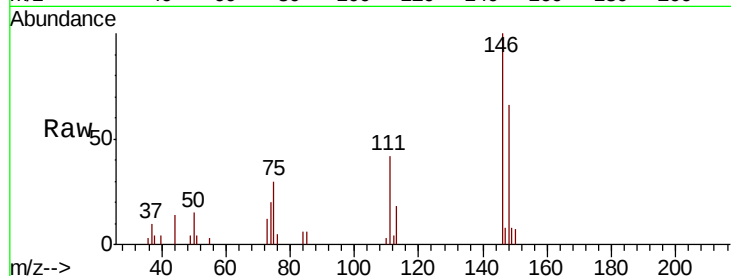
Tot Ion:146 Resp: 6871

Ion Ratio Lower Upper

146 100

111 42.0 27.9 51.9

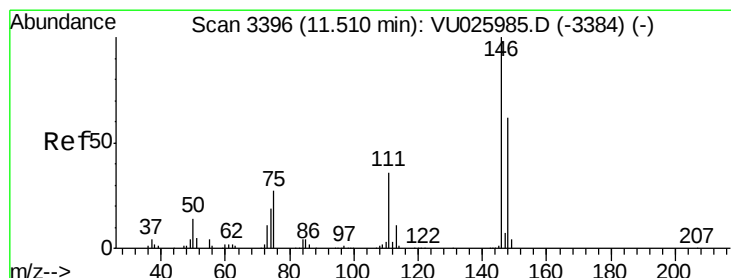
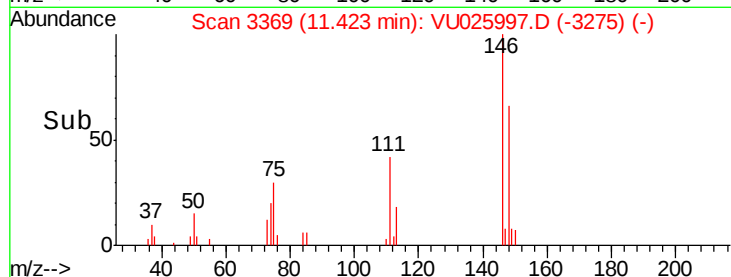
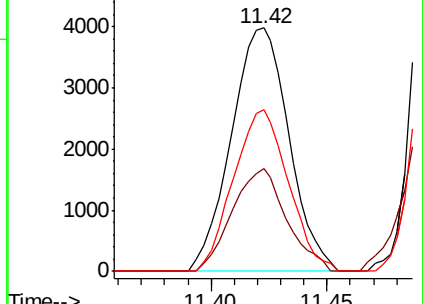
148 66.3 46.0 85.4



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: 18.640 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025997.D

Acq: 09 Aug 2018 15:35

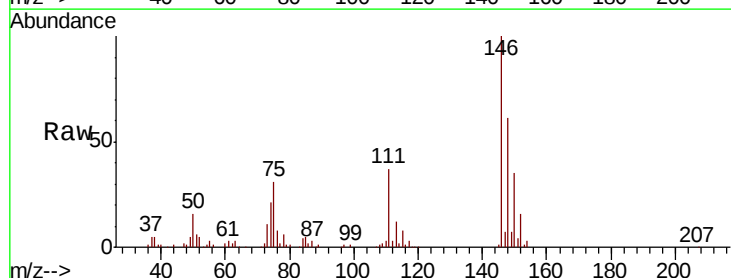
Tgt Ion:146 Resp: 74259

Ion Ratio Lower Upper

146 100

111 37.4 26.4 49.0

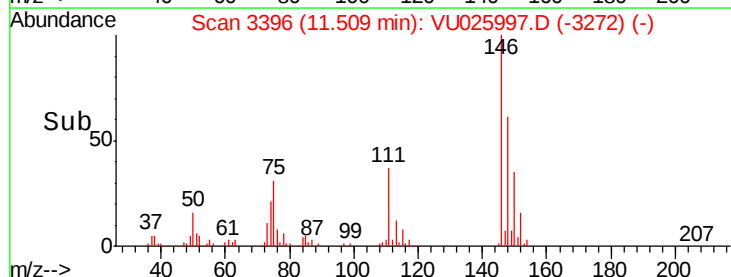
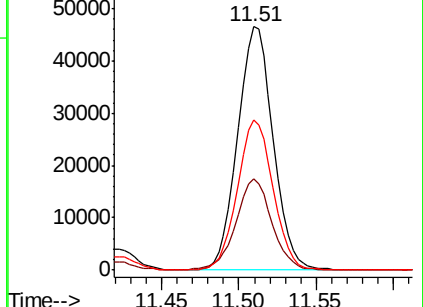
148 61.5 43.8 81.4

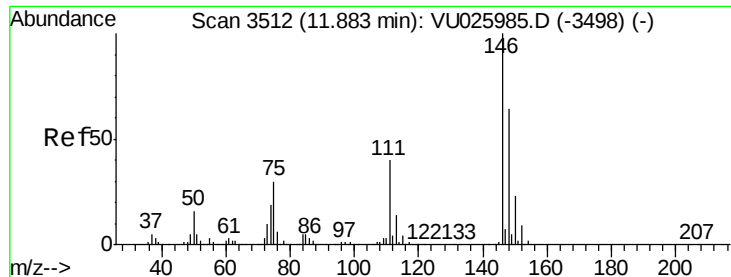


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 21.936 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025997.D

Acq: 09 Aug 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

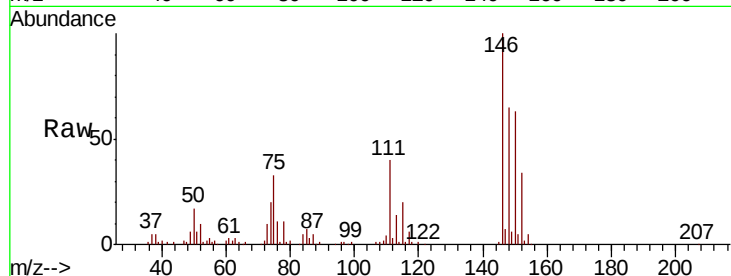
Tot Ion:146 Resp: 88733

Ion Ratio Lower Upper

146 100

111 39.6 32.4 48.6

148 65.2 50.1 75.1

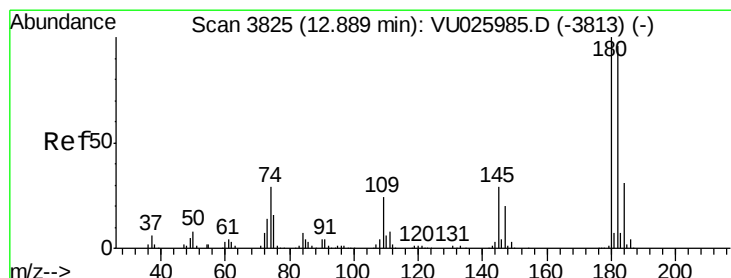
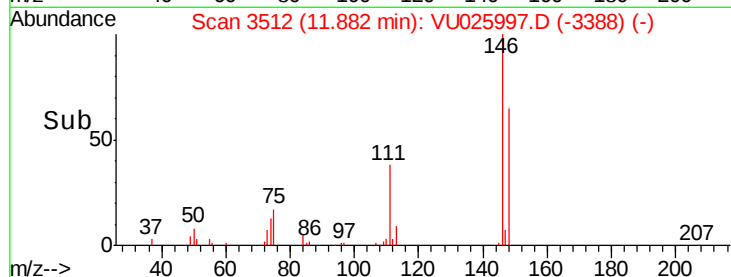
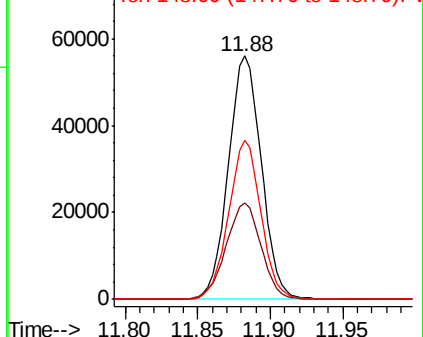


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 12.809 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.62 min

Lab File: VU025997.D

Acq: 09 Aug 2018 15:35

Tgt Ion:180 Resp: 36381

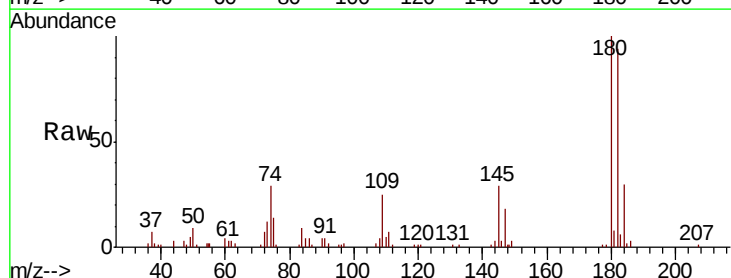
Ion Ratio Lower Upper

180 100

182 96.6 76.5 114.7

184 31.1 24.3 36.5

145 29.8 23.5 35.3



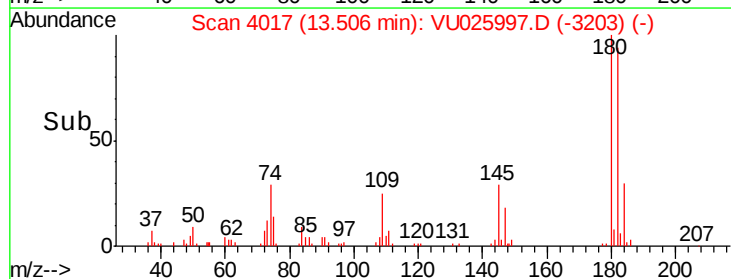
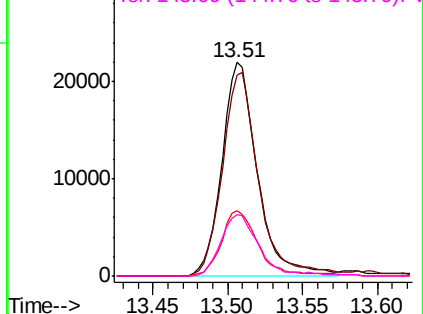
Abundance

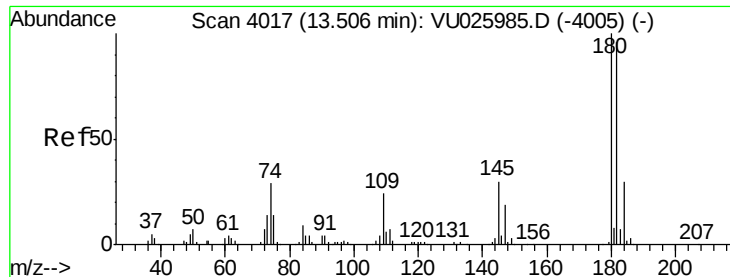
Ion 180.00 (179.70 to 180.70): V

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

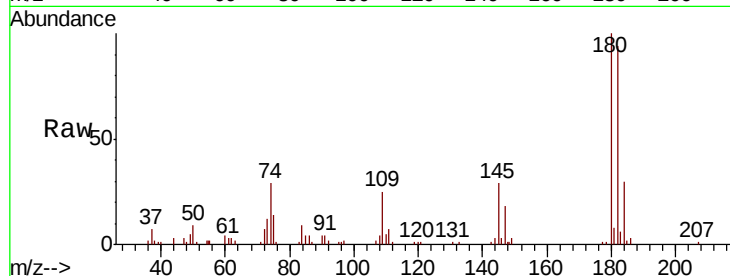




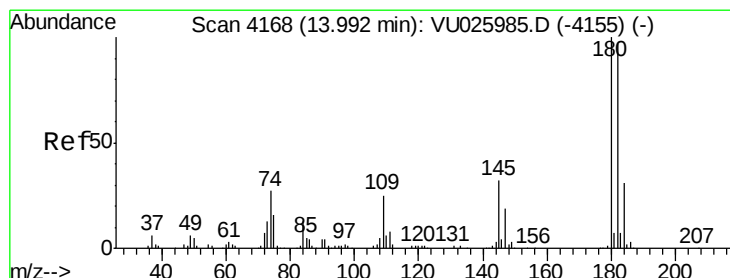
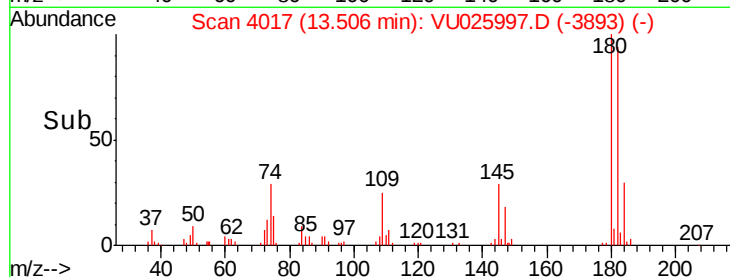
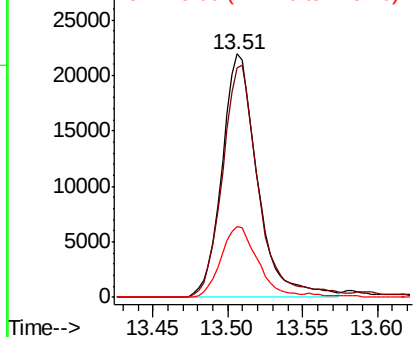
#68
 1,2,4-trichlorobenzene
 Concen: 15.147 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025997.D
 Acq: 09 Aug 2018 15:35

Instrument :
 MSVOA_U
 ClientSampled :

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

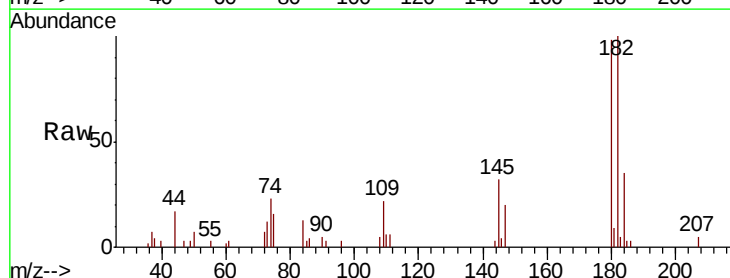


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 3.660 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

