

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026002.D
 Acq On : 09 Aug 2018 17:36
 Operator : MD/SY
 Sample : J4361-03DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 05:17:51 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	289525	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	267869	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	122163	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88955	42.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.06%
7) Chloroethane-d5	1.68	69	77249	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.08%
11) 1,1-Dichloroethene-d2	2.27	63	136639	33.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.96%
21) 2-Butanone-d5	4.18	46	169003	95.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.82%
24) Chloroform-d	4.65	84	209183	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
26) 1,2-Dichloroethane-d4	5.31	65	143895	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
32) Benzene-d6	5.35	84	401309	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
36) 1,2-Dichloropropane-d6	6.33	67	131053	48.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.38%
41) Toluene-d8	7.57	98	361197	45.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.78%
43) trans-1,3-Dichloropropene-	7.85	79	63096	46.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.06%
47) 2-Hexanone-d5	8.31	63	119808	98.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.01%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	187120	47.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	150709	50.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.08%

Target Compounds

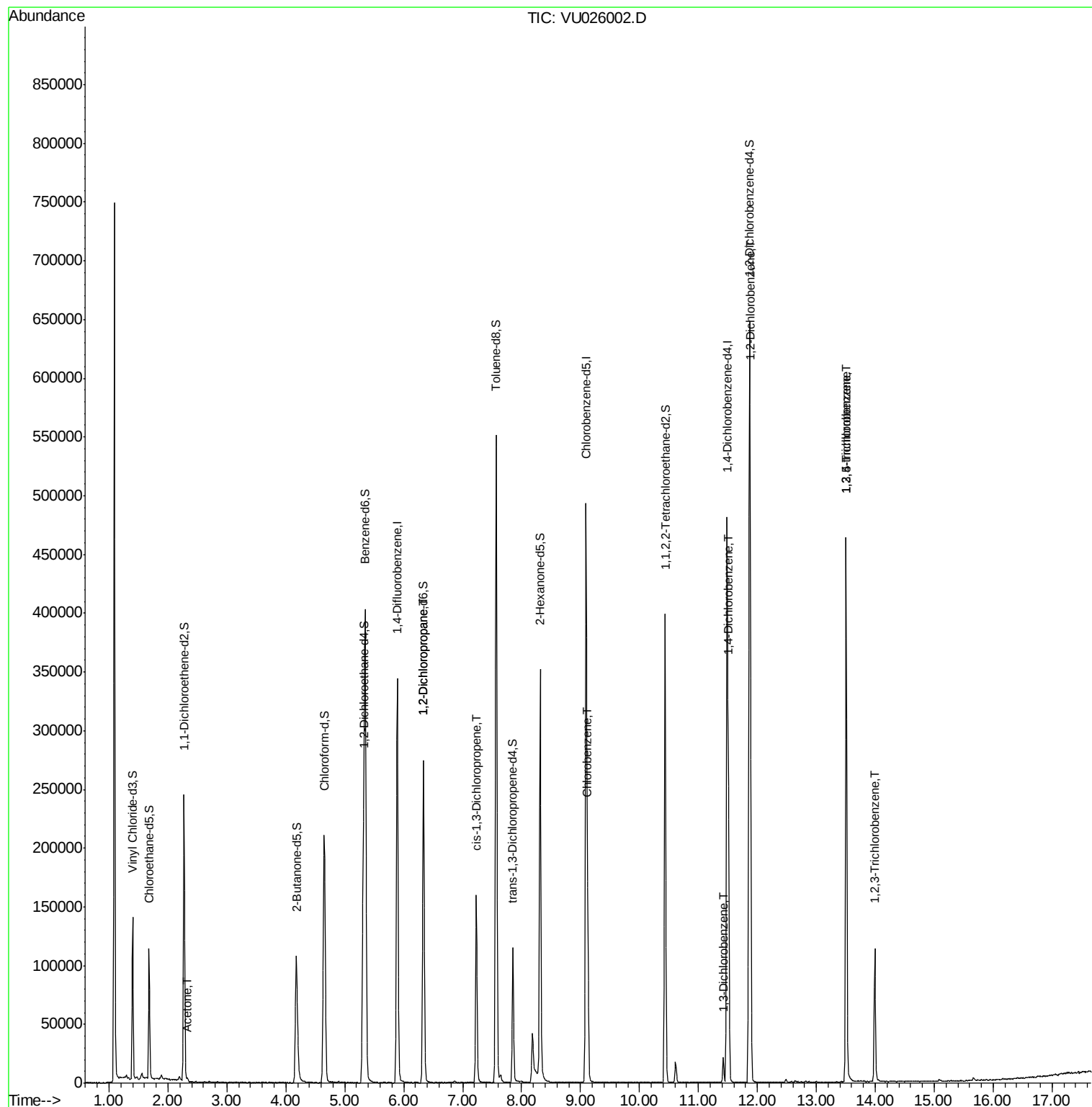
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	1442	1.316	ug/L	63
37) 1,2-Dichloropropane	6.34	63	15432	7.392	ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	3957	1.251	ug/L #	68
51) Chlorobenzene	9.12	112	76870	14.078	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	8909	2.343	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	84793	21.268	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	122426	30.242	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	143923	50.634	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	143923	59.876	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	37112	14.365	ug/L	99

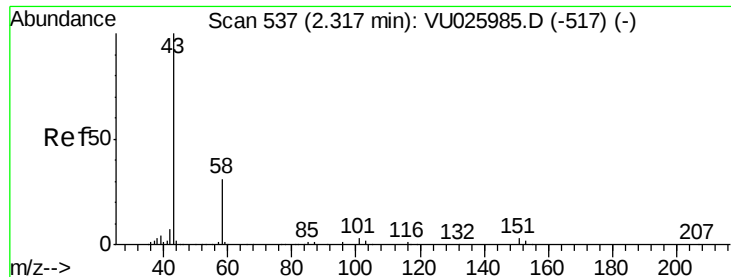
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 1.316 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026002.D

Acq: 09 Aug 2018 17:36

Instrument :

MSVOA_U

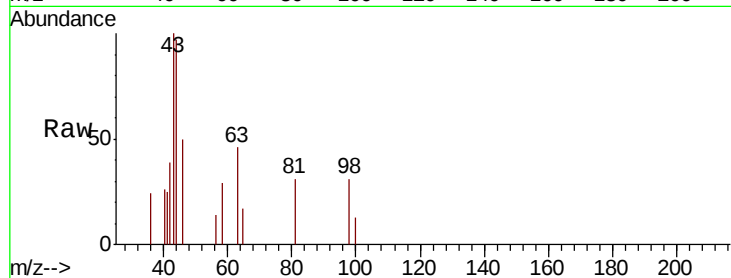
ClientSampleId :

Tot Ion: 43 Resp: 1442

Ion Ratio Lower Upper

43 100

58 10.8 0.0 61.8

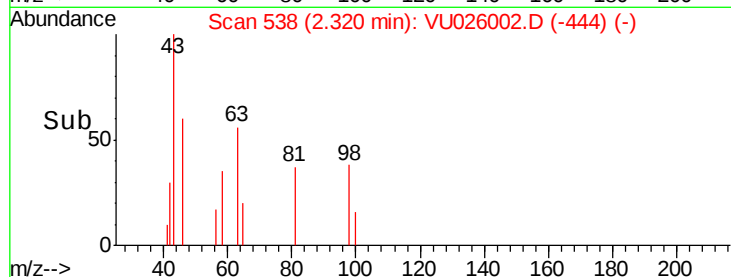


Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-517) (-)

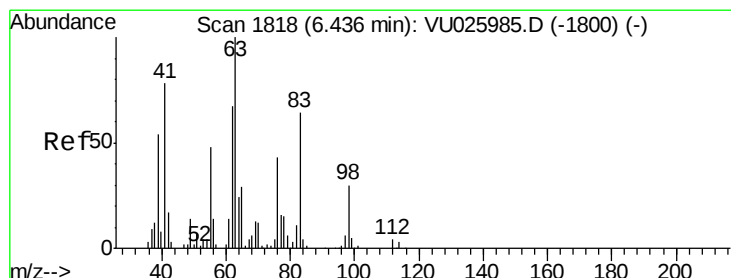
Ion 58.00 (57.70 to 58.70): VU025985.D (-517) (-)

2.32

Time-->



Time-->



#37

1,2-Dichloropropane

Concen: 7.392 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU026002.D

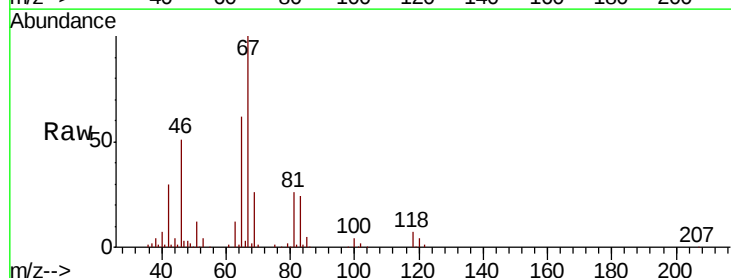
Acq: 09 Aug 2018 17:36

Tgt Ion: 63 Resp: 15432

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#

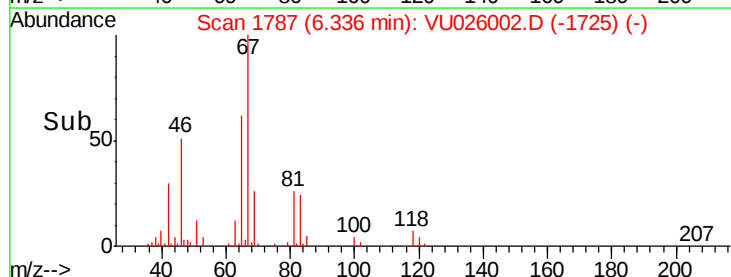


Abundance Ion 63.00 (62.70 to 63.70): VU025985.D (-1800) (-)

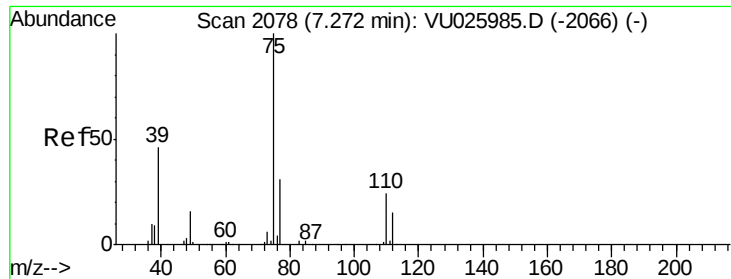
Ion 112.00 (111.70 to 112.70): VU025985.D (-1800) (-)

6.34

Time-->



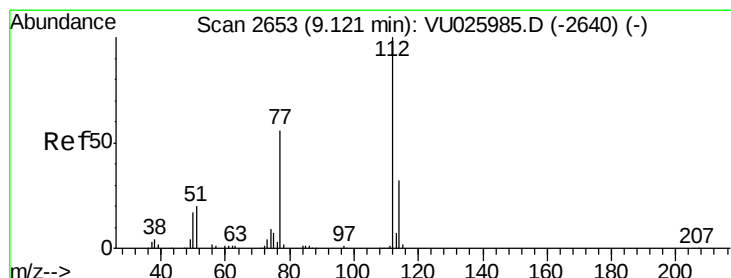
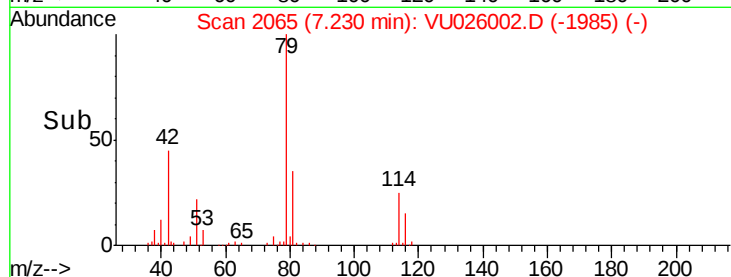
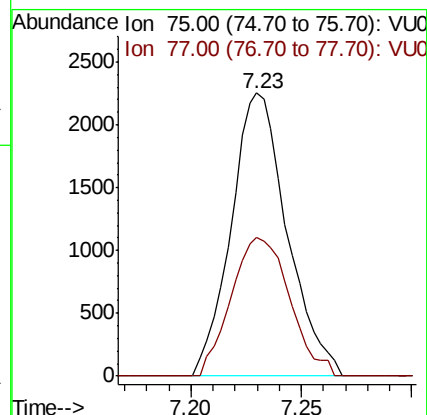
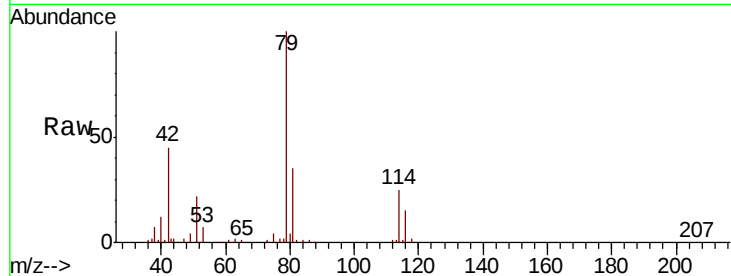
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 1.251 ug/L
 RT: 7.23 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: VU026002.D
 Acq: 09 Aug 2018 17:36

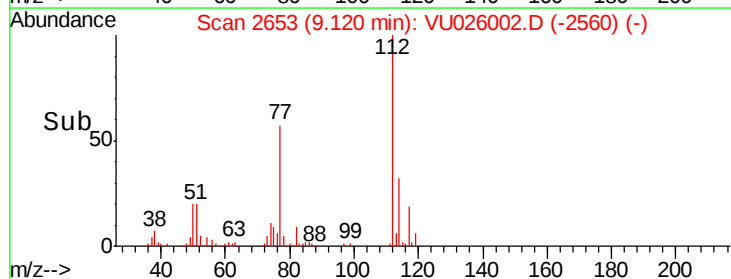
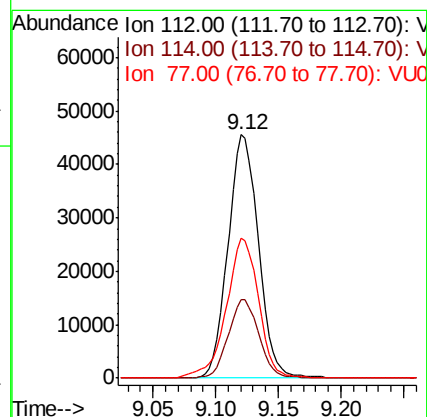
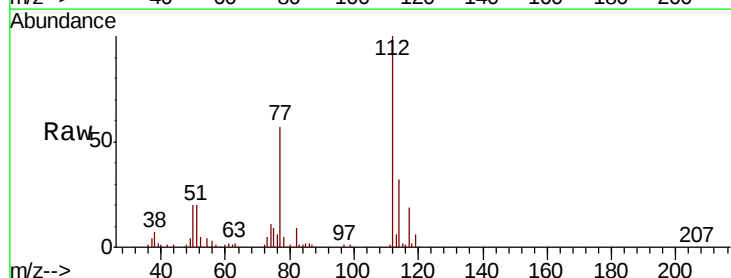
Instrument :
 MSVOA_U
 ClientSampled :

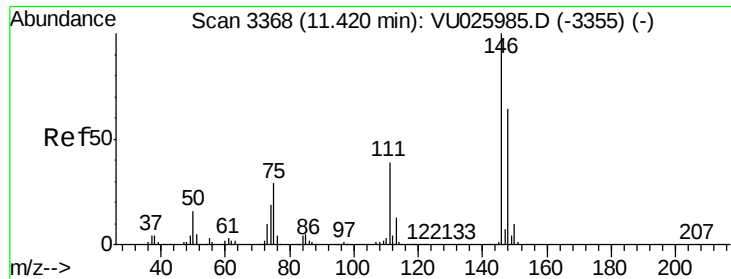
Tot Ion: 75 Resp: 3957
 Ion Ratio Lower Upper
 75 100
 77 49.2 22.1 41.1#



#51
 Chlorobenzene
 Concen: 14.078 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026002.D
 Acq: 09 Aug 2018 17:36

Tgt Ion: 112 Resp: 76870
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.7 42.3
 77 57.4 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 2.343 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026002.D

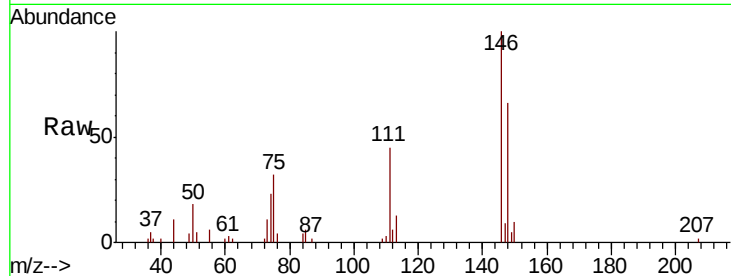
Acq: 09 Aug 2018 17:36

Instrument :

MSVOA_U

ClientSampled :

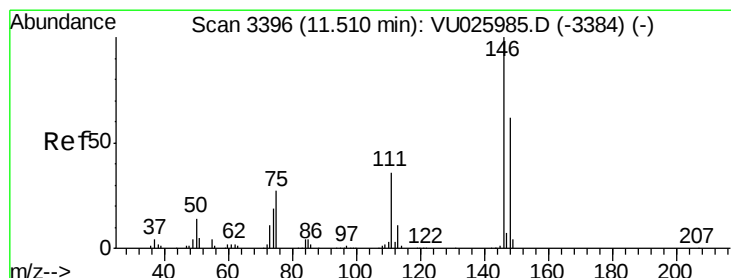
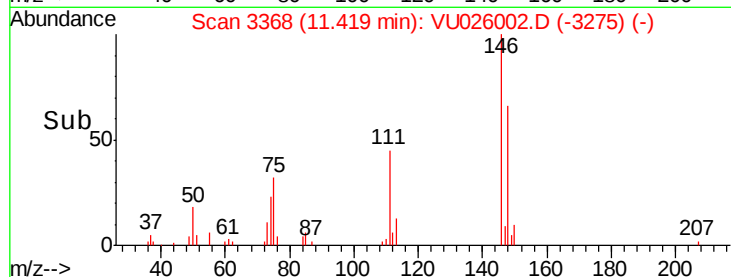
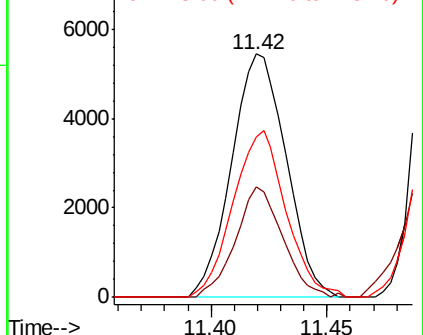
Tot Ion:146	Resp:	8909
Ion	Ratio	Lower Upper
146	100	
111	45.4	27.9 51.9
148	66.1	46.0 85.4



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: 21.268 ug/L

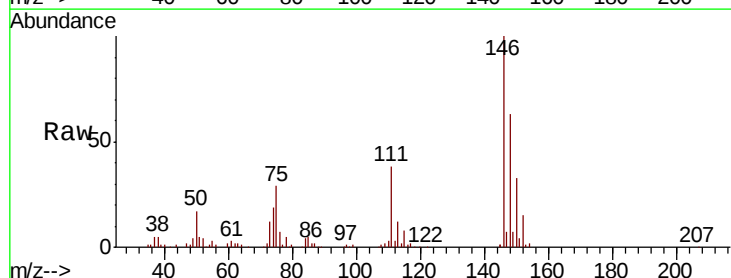
RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026002.D

Acq: 09 Aug 2018 17:36

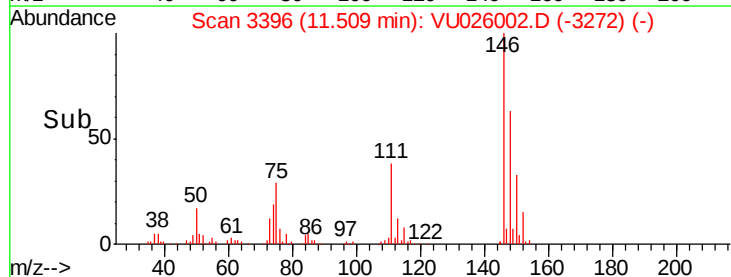
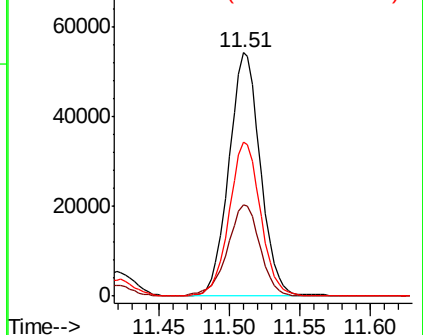
Tgt Ion:146	Resp:	84793
Ion	Ratio	Lower Upper
146	100	
111	37.8	26.4 49.0
148	63.1	43.8 81.4

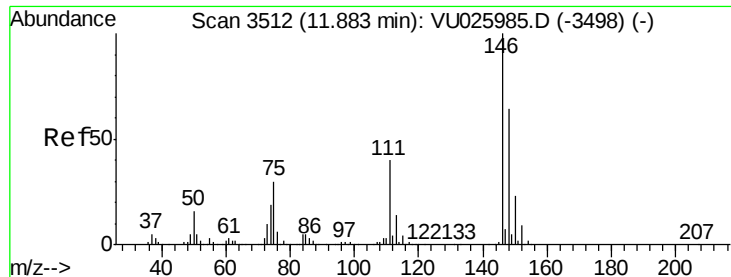


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 30.242 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026002.D

Acq: 09 Aug 2018 17:36

Instrument :

MSVOA_U

ClientSampleId :

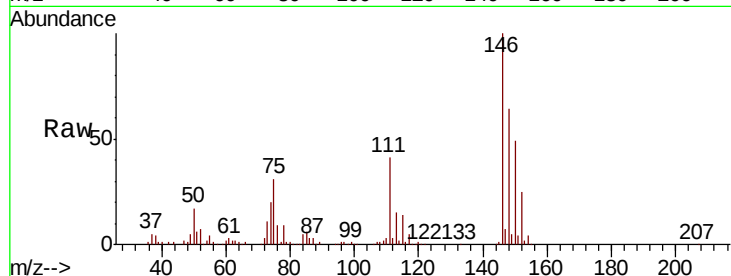
Tot Ion:146 Resp: 122426

Ion Ratio Lower Upper

146 100

111 40.8 32.4 48.6

148 64.5 50.1 75.1

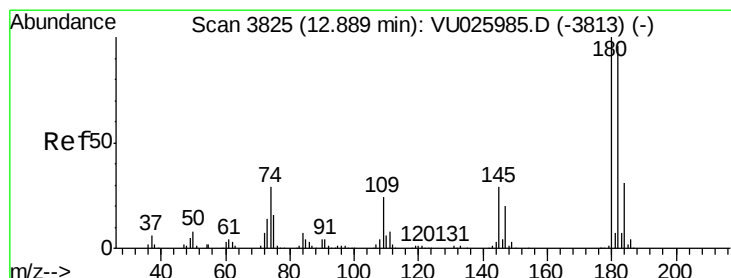
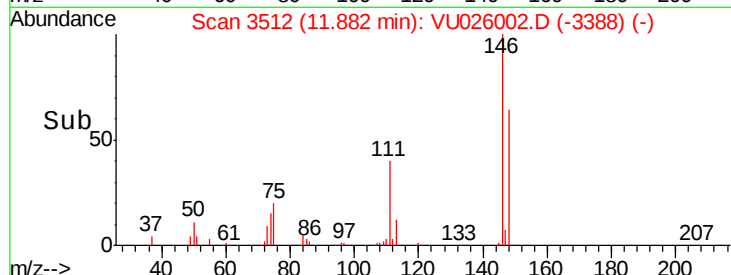
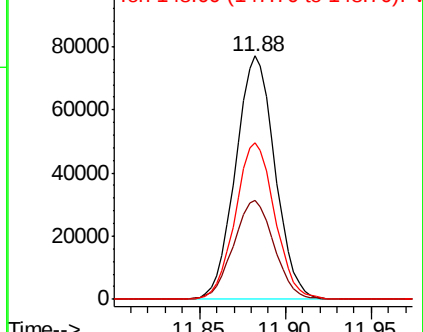


Abundance

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: 50.634 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.62 min

Lab File: VU026002.D

Acq: 09 Aug 2018 17:36

Tgt Ion:180 Resp: 143923

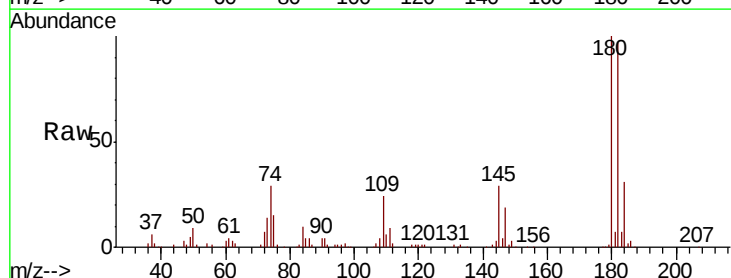
Ion Ratio Lower Upper

180 100

182 96.8 76.5 114.7

184 30.9 24.3 36.5

145 30.4 23.5 35.3



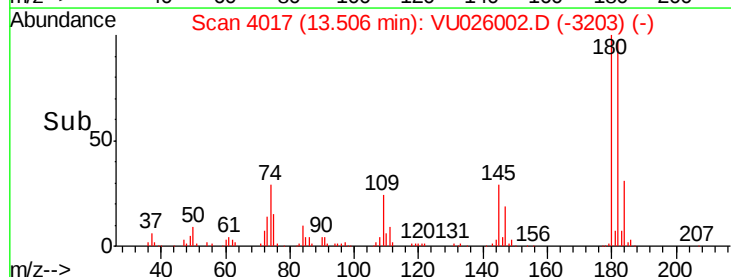
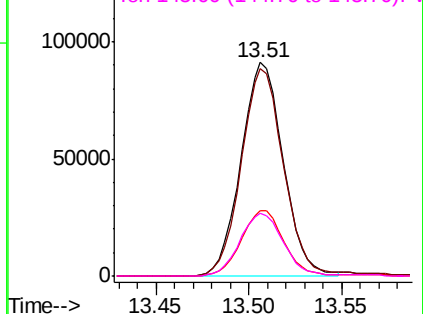
Abundance

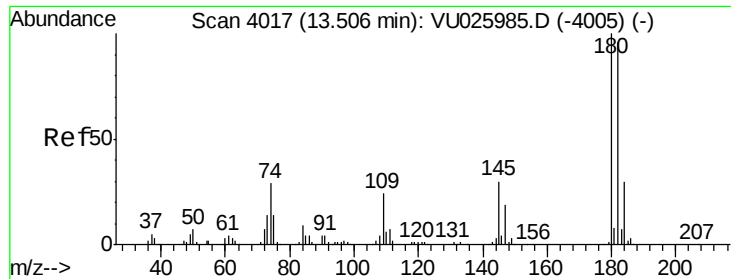
Ion 180.00 (179.70 to 180.70): V

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

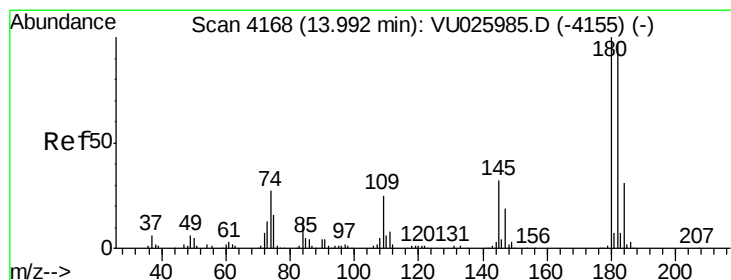
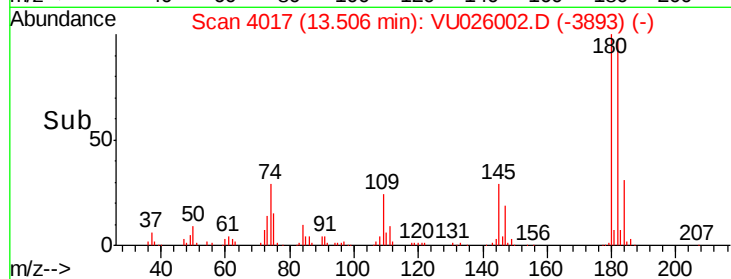
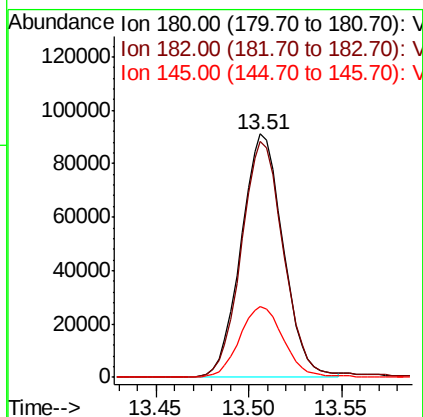
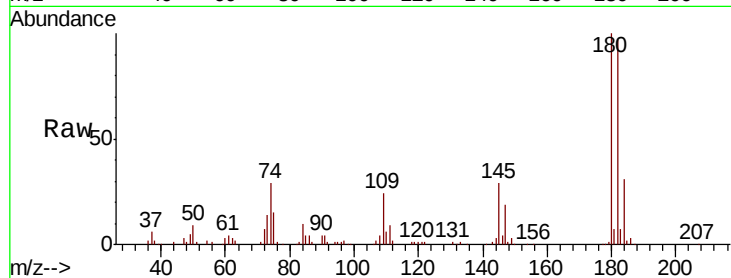




#68
 1,2,4-trichlorobenzene
 Concen: 59.876 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026002.D
 Acq: 09 Aug 2018 17:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 143923
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.5 114.7
 145 30.4 24.2 36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 14.365 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU026002.D
 Acq: 09 Aug 2018 17:36

Tgt Ion:180 Resp: 37112
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.5 114.7
 145 31.6 24.7 37.1

