

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 :
 A4ZB2DL

Quant Time: Aug 10 07:16:40 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

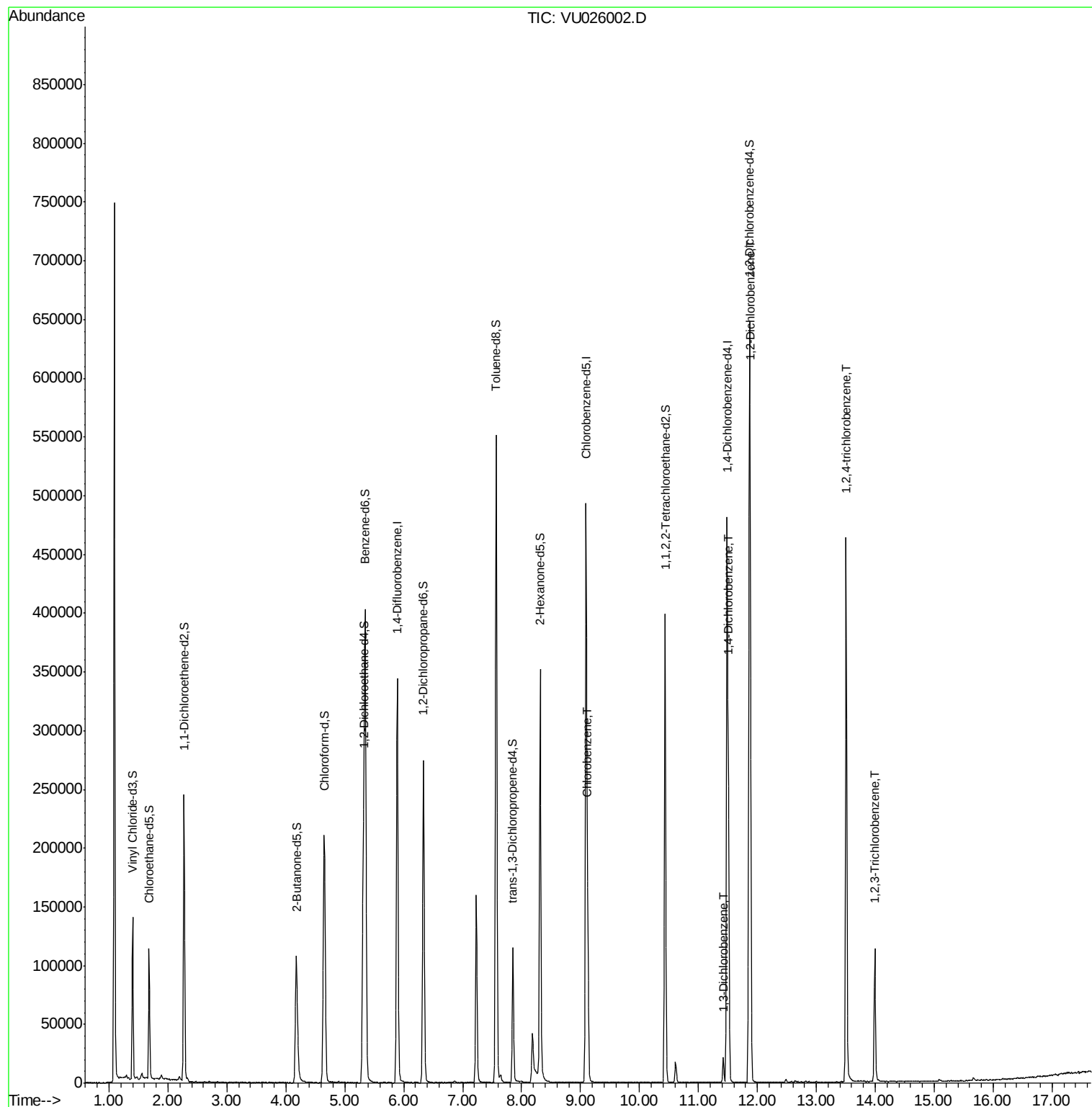
						Ovalue
51) Chlorobenzene	9.12	112	76870	14.08	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	8909	2.34	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	84793	21.27	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	122426	30.24	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	143923	59.88	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	37112	14.37	ug/L	99

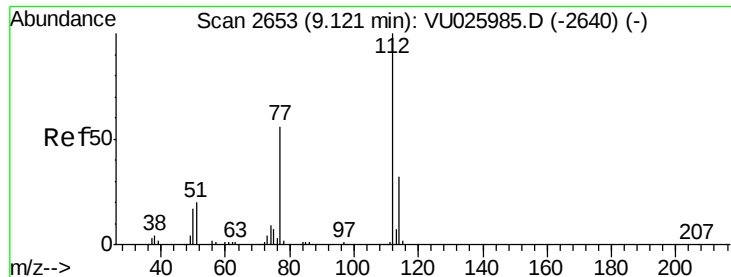
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#51

Chlorobenzene

Concen: 14.08 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

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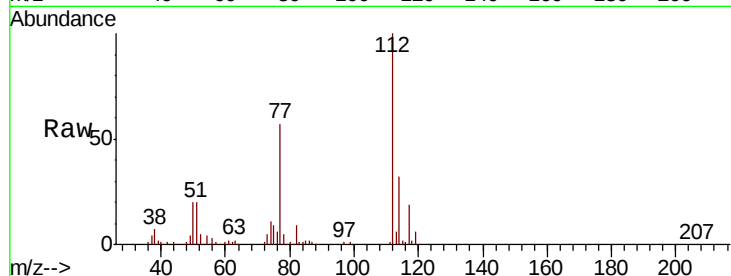
Tot Ion:112 Resp: 76870

Ion Ratio Lower Upper

112 100

114 32.1 22.7 42.3

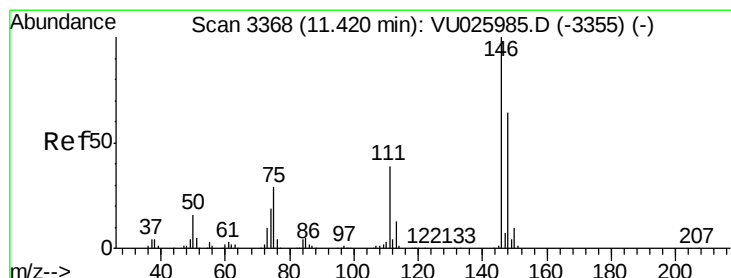
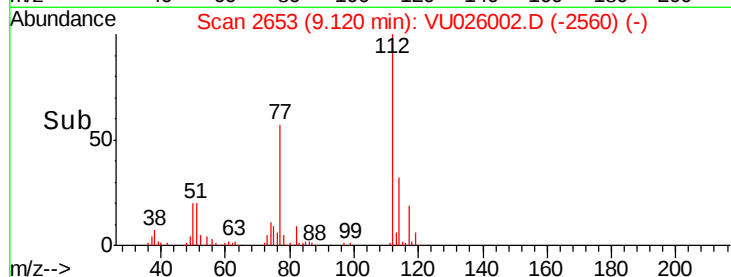
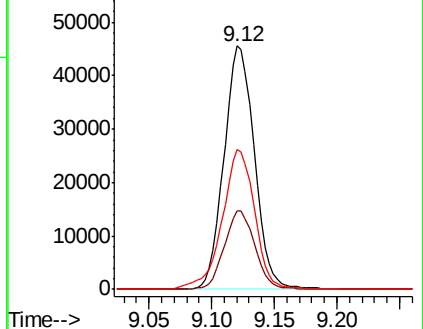
77 57.4 45.2 67.8



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): VU0



#62

1,3-Dichlorobenzene

Concen: 2.34 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026002.D

Acq: 09 Aug 2018 17:36

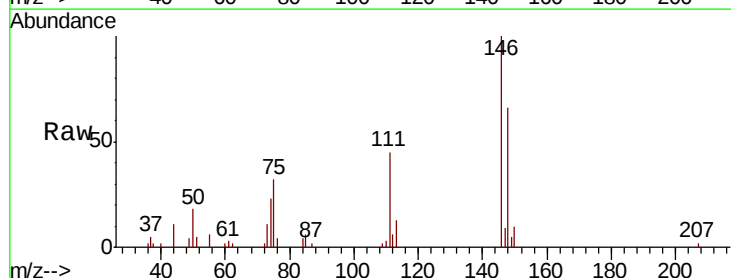
Tgt Ion:146 Resp: 8909

Ion Ratio Lower Upper

146 100

111 45.4 27.9 51.9

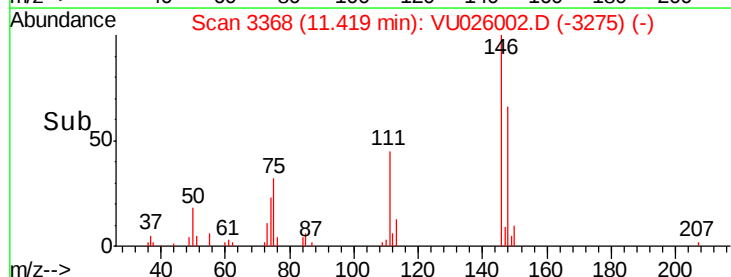
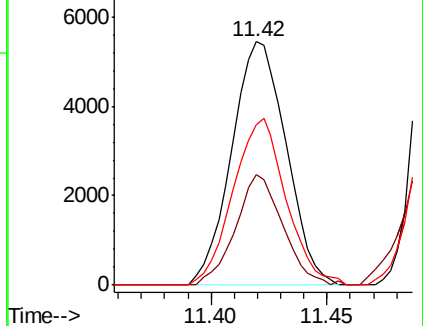
148 66.1 46.0 85.4

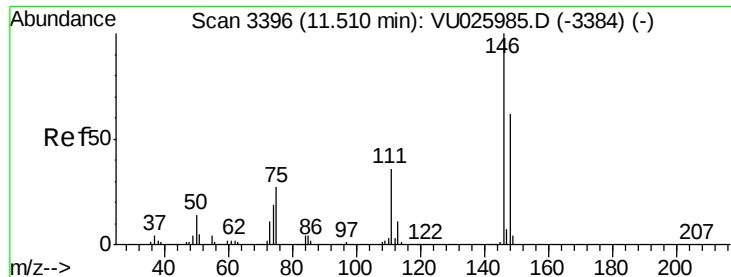


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

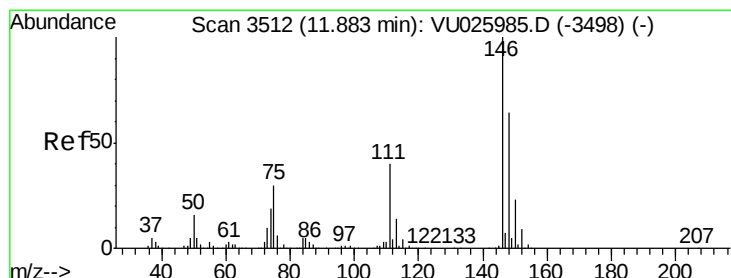
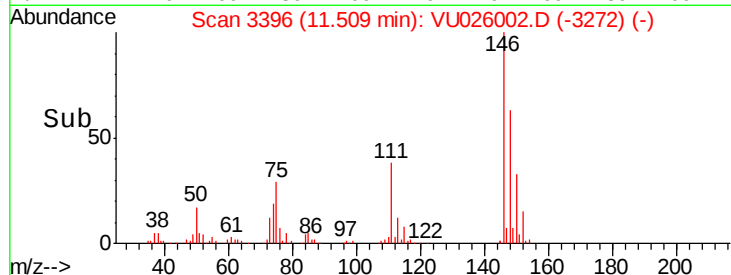
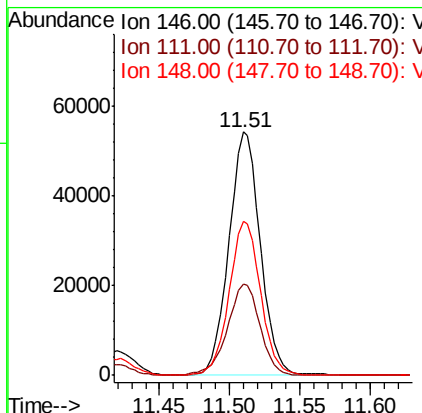
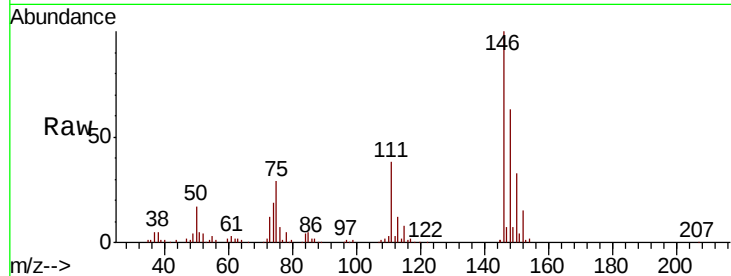




#63
 1,4-Dichlorobenzene
 Concen: 21.27 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026002.D
 Acq: 09 Aug 2018 17:36

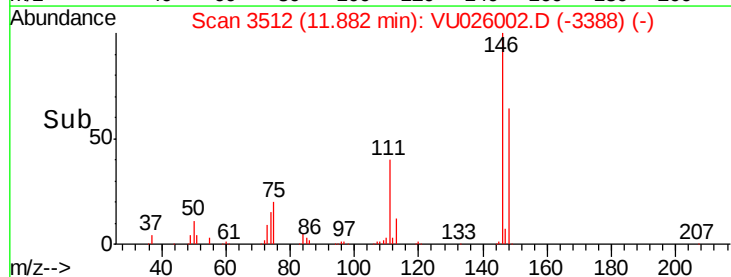
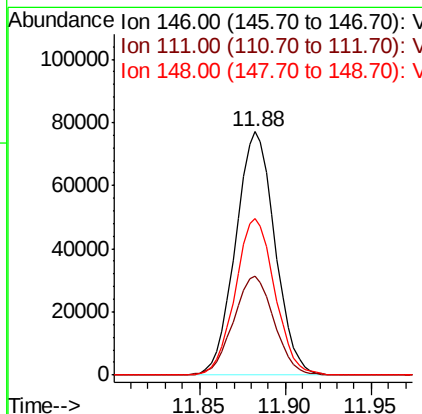
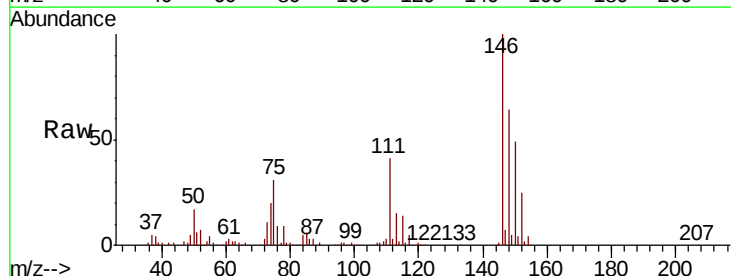
Instrument :
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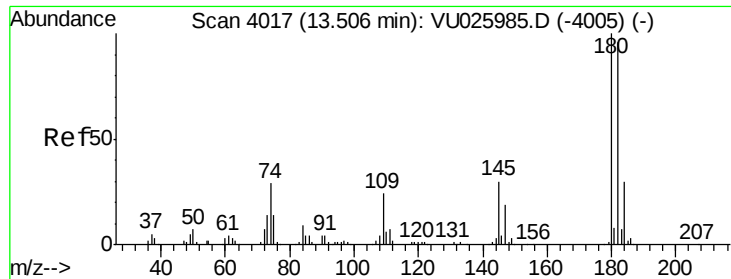
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.4	49.0
148	63.1	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 30.24 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026002.D
 Acq: 09 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	32.4	48.6
148	64.5	50.1	75.1

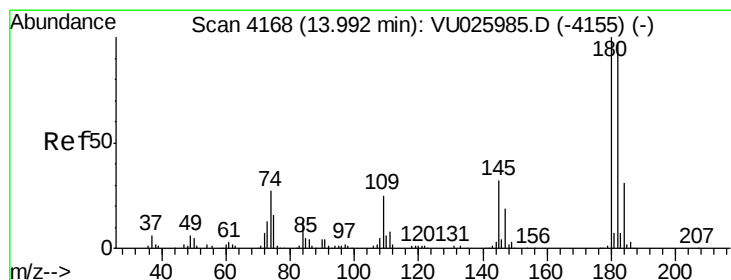
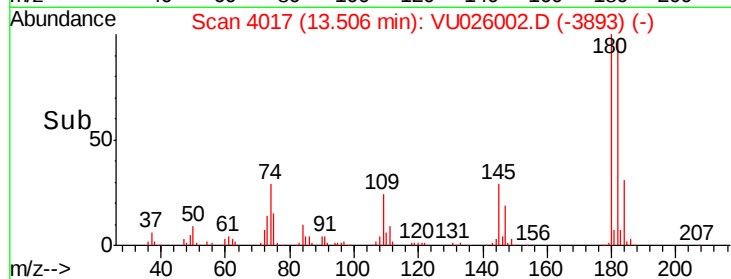
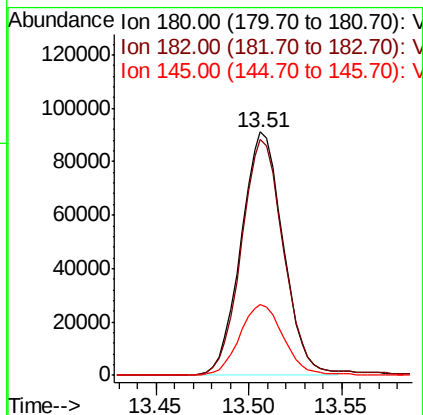
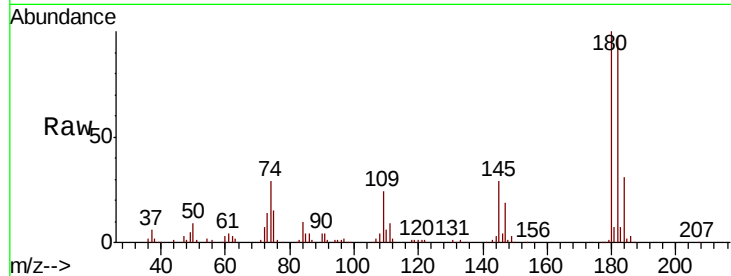




#68
 1,2,4-trichlorobenzene
 Concen: 59.88 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026002.D
 Acq: 09 Aug 2018 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZB2DL

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: 14.37 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

