

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010719\
 Data File : VU029051.D
 Acq On : 07 Jan 2019 11:39
 Operator : MD/SY
 Sample : K1048-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0947

Quant Time: Jan 08 02:03:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 08 01:37:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	190660	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178887	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	75301	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75149	49.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.34%
7) Chloroethane-d5	1.67	69	59071	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.06%
11) 1,1-Dichloroethene-d2	2.27	63	95133	37.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.02%
21) 2-Butanone-d5	4.17	46	106161	99.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.13%
24) Chloroform-d	4.65	84	118616	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.70%
26) 1,2-Dichloroethane-d4	5.31	65	75112	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.40%
32) Benzene-d6	5.34	84	262163	51.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.74%
36) 1,2-Dichloropropane-d6	6.33	67	88590	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.20%
41) Toluene-d8	7.56	98	232809	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%
43) trans-1,3-Dichloropropene-	7.85	79	38335	49.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.66%
47) 2-Hexanone-d5	8.31	63	76613	93.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	119020	49.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	82865	54.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.82%

Target Compounds

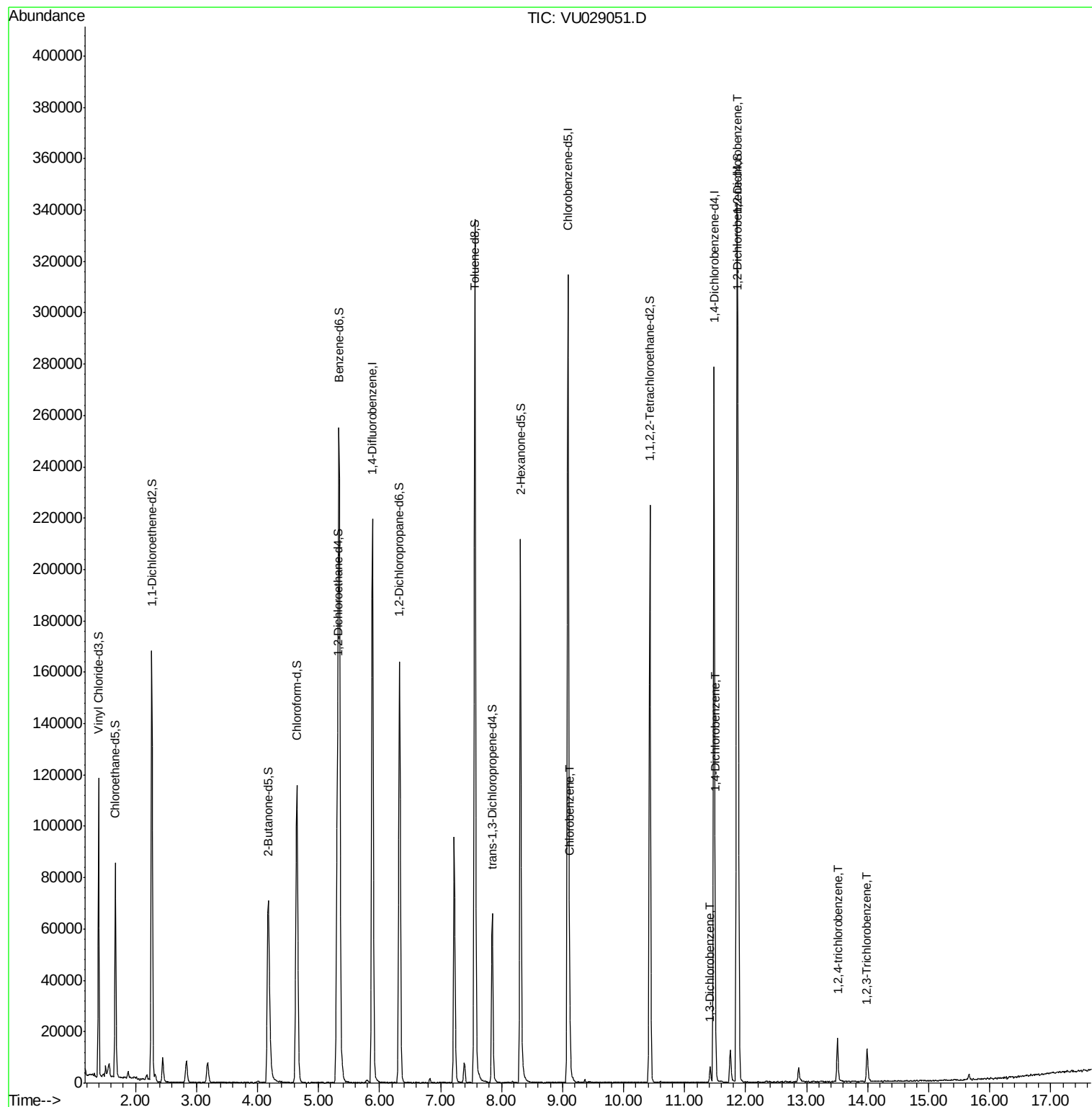
					Ovalue
51) Chlorobenzene	9.12	112	13075	3.594 ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	3076	1.286 ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	4248	1.724 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	72807	29.178 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	6629	4.488 ug/L	92
70) 1,2,3-Trichlorobenzene	13.99	180	5778	3.628 ug/L	99

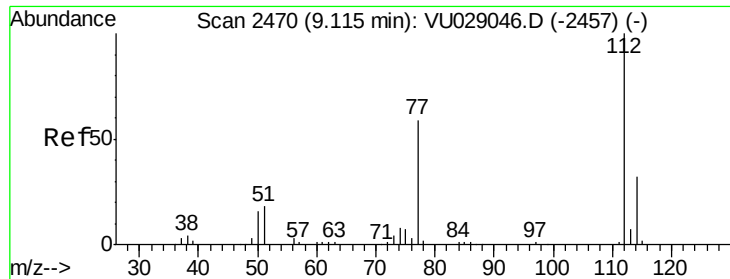
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#51

Chlorobenzene

Concen: 3.594 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

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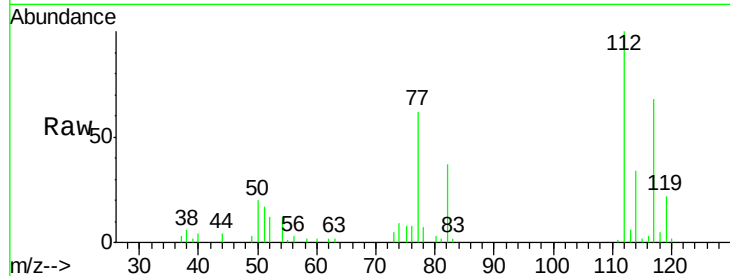
Tot Ion:112 Resp: 13075

Ion Ratio Lower Upper

112 100

114 33.5 22.2 41.2

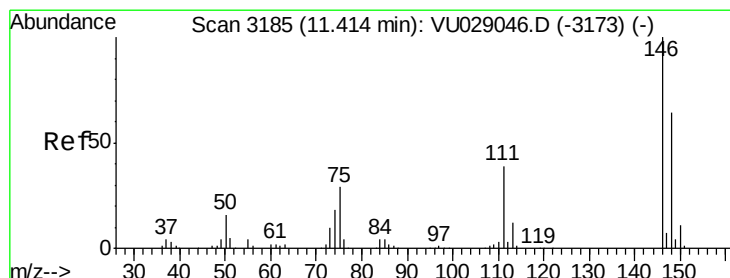
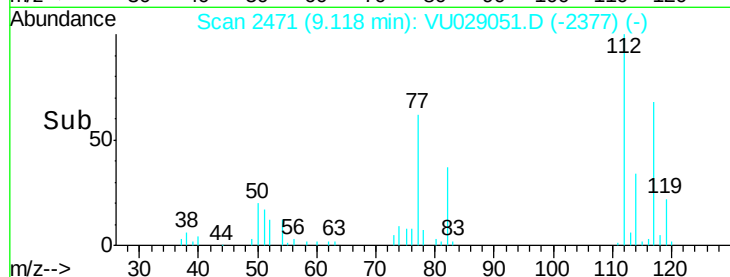
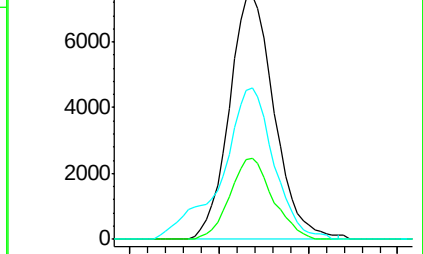
77 62.4 47.8 71.8



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: 1.286 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU029051.D

Acq: 07 Jan 2019 11:39

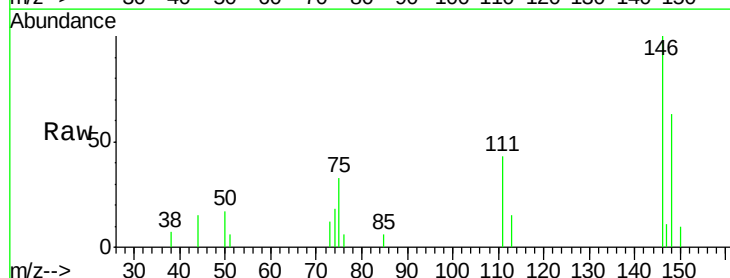
Tgt Ion:146 Resp: 3076

Ion Ratio Lower Upper

146 100

111 43.2 27.4 50.8

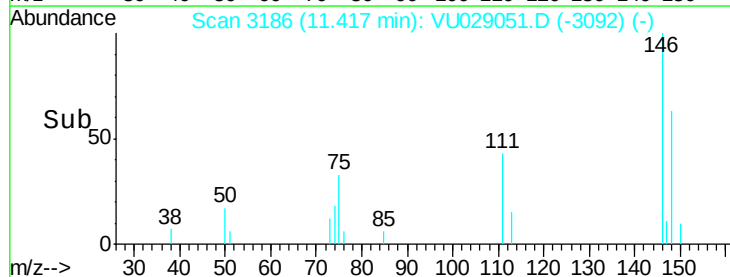
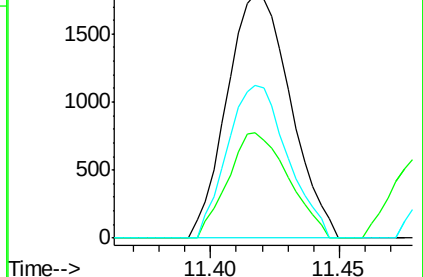
148 62.8 44.2 82.2

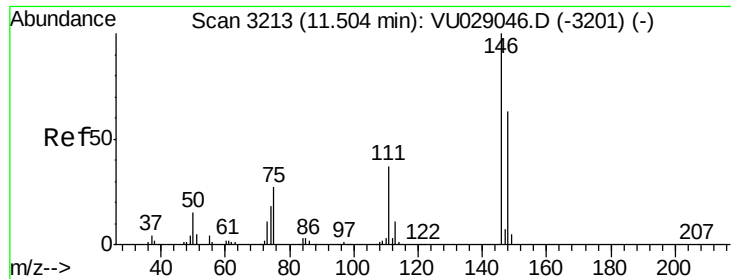


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

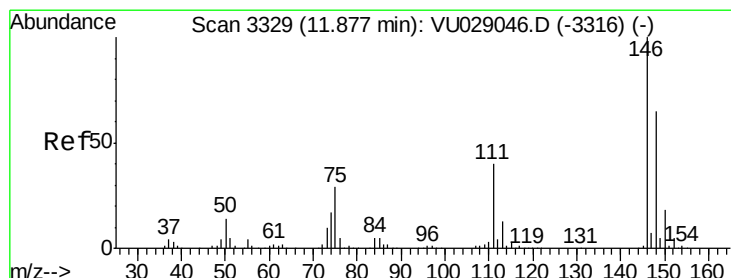
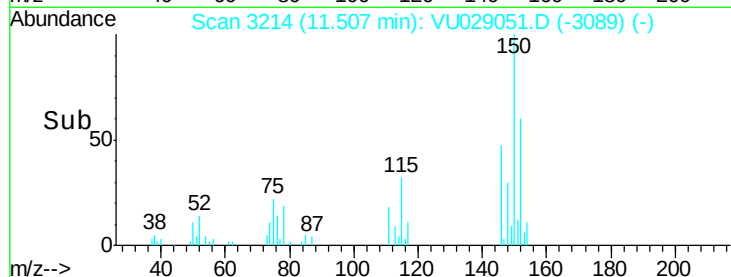
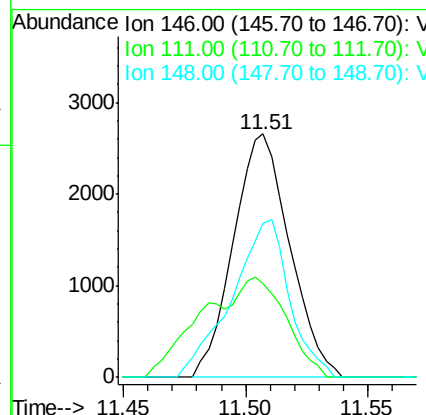
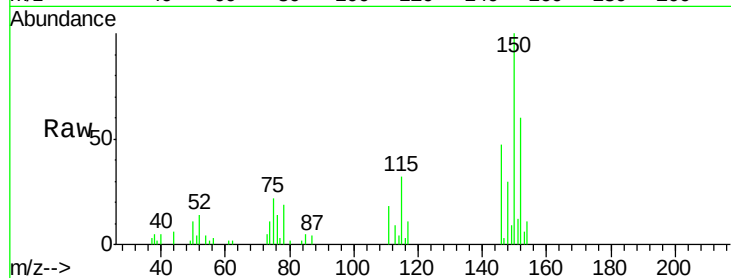




#63
 1,4-Dichlorobenzene
 Concen: 1.724 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029051.D
 Acq: 07 Jan 2019 11:39

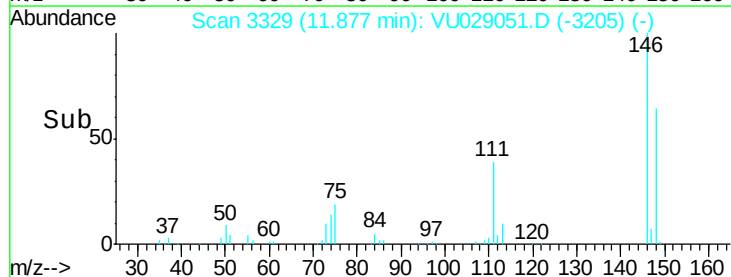
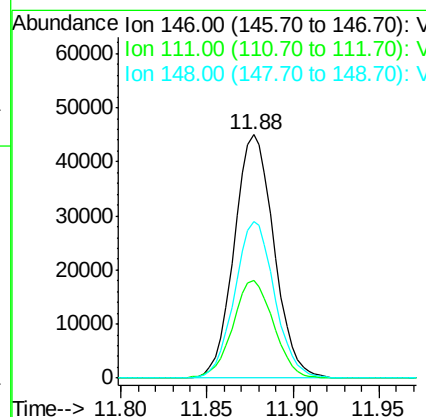
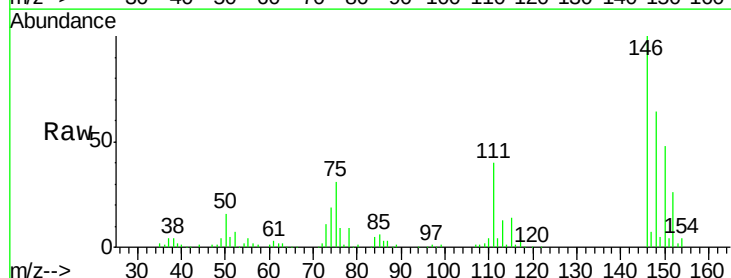
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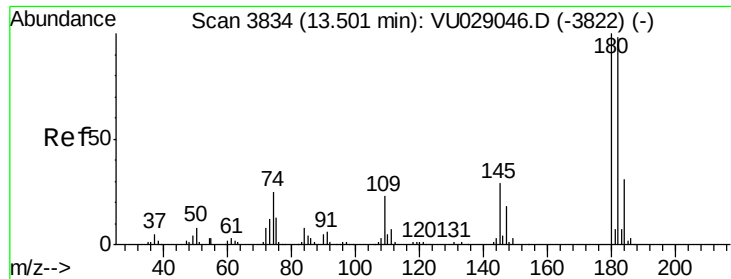
Tot Ion:146 Resp: 4248
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.5 49.1
 148 63.4 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 29.178 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU029051.D
 Acq: 07 Jan 2019 11:39

Tgt Ion:146 Resp: 72807
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.1 48.1
 148 64.4 49.7 74.5

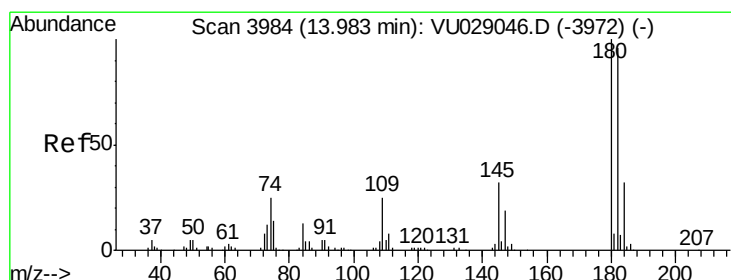
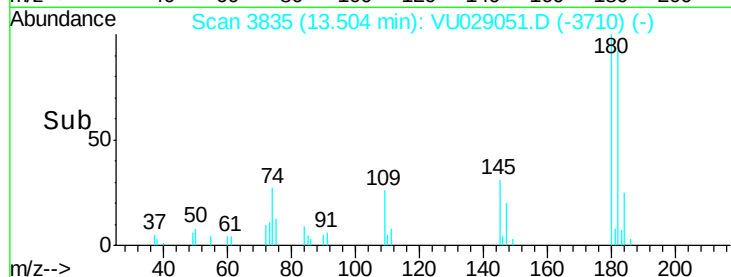
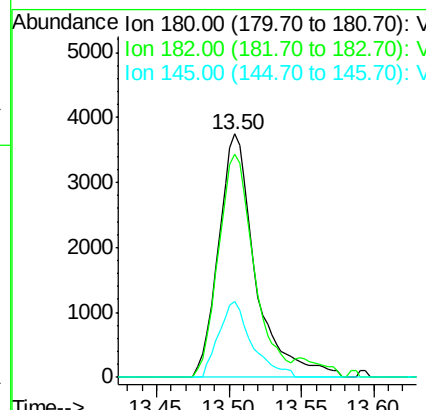
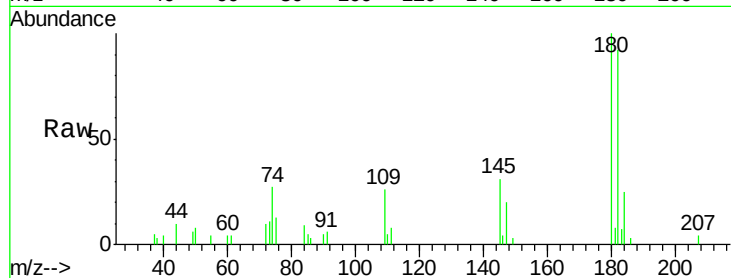




#68
 1,2,4-trichlorobenzene
 Concen: 4.488 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU029051.D
 Acq: 07 Jan 2019 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C0947

Tot Ion:180 Resp: 6629
 Ion Ratio Lower Upper
 180 100
 182 87.9 77.4 116.0
 145 27.6 23.5 35.3



#70
 1,2,3-Trichlorobenzene
 Concen: 3.628 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VU029051.D
 Acq: 07 Jan 2019 11:39

Tgt Ion:180 Resp: 5778
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.8 113.8
 145 29.5 24.5 36.7

