

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010719\
 Data File : VU029062.D
 Acq On : 07 Jan 2019 17:03
 Operator : MD/SY
 Sample : K1048-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0947

Quant Time: Jan 08 03:36:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 08 03:12:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	189633	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178401	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72025	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70509	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.76%
7) Chloroethane-d5	1.67	69	55098	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.84%
11) 1,1-Dichloroethene-d2	2.27	63	88377	34.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.14%
21) 2-Butanone-d5	4.17	46	104575	98.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.18%
24) Chloroform-d	4.64	84	114160	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
26) 1,2-Dichloroethane-d4	5.31	65	72007	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
32) Benzene-d6	5.34	84	247861	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
36) 1,2-Dichloropropane-d6	6.33	67	84136	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.28%
41) Toluene-d8	7.56	98	216782	47.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.92%
43) trans-1,3-Dichloropropene-	7.85	79	35890	46.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.56%
47) 2-Hexanone-d5	8.31	63	74221	91.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	115336	48.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	75476	51.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.62%

Target Compounds

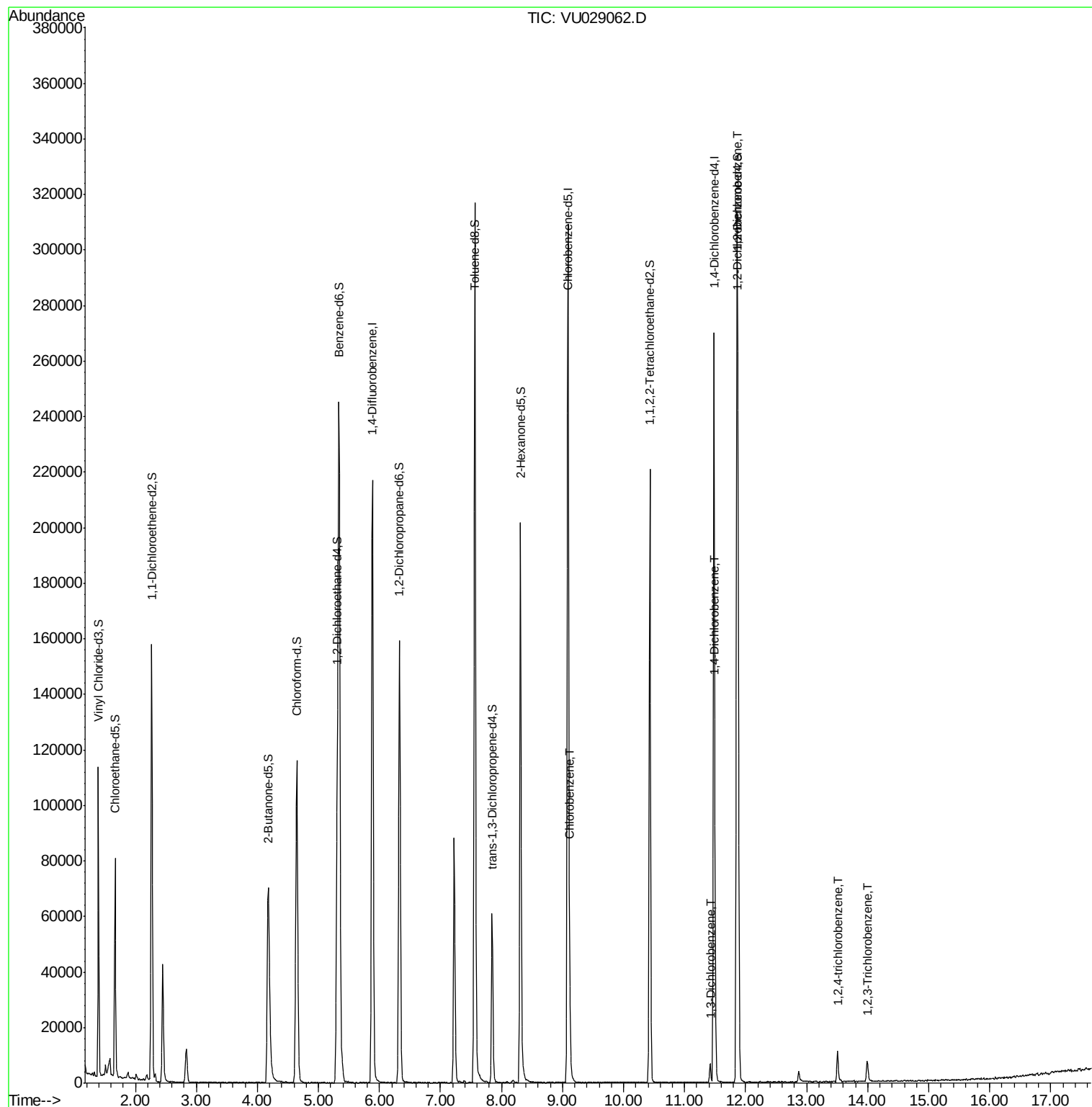
					Ovalue
51) Chlorobenzene	9.12	112	15785	4.350 ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	3349	1.464 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	5938	2.519 ug/L	94
65) 1,2-Dichlorobenzene	11.88	146	70880	29.698 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	4810	3.405 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	4014	2.635 ug/L	97

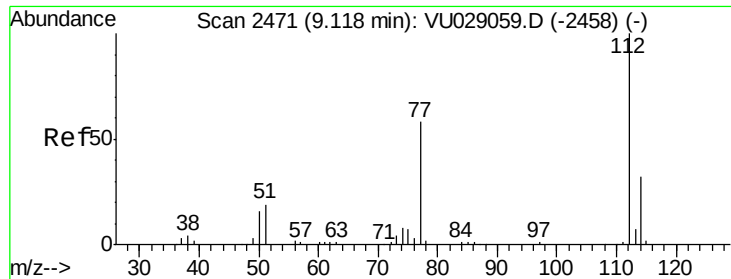
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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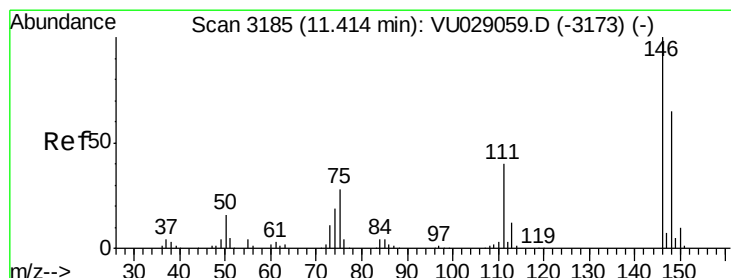
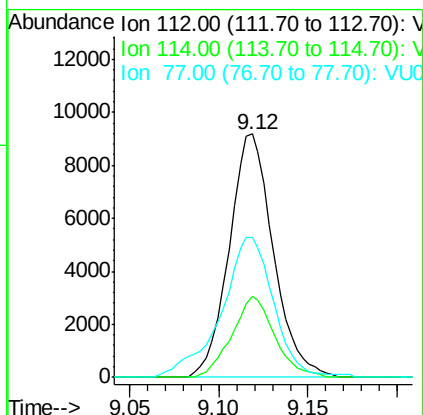
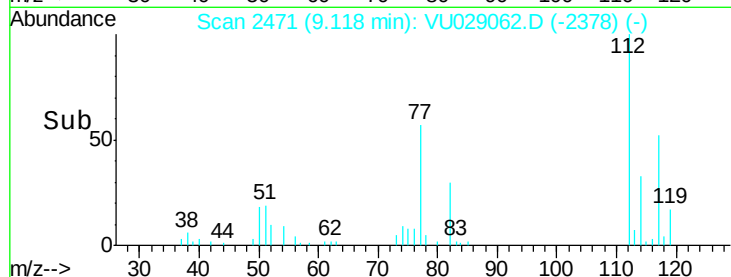
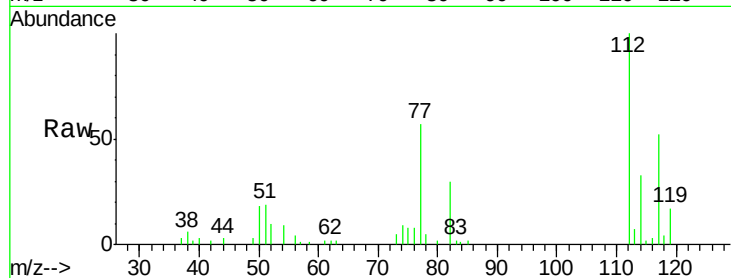




#51
Chlorobenzene
Concen: 4.350 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

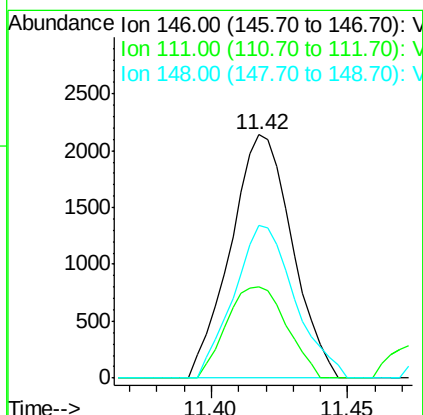
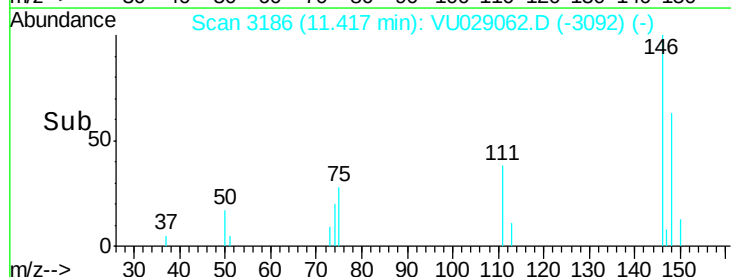
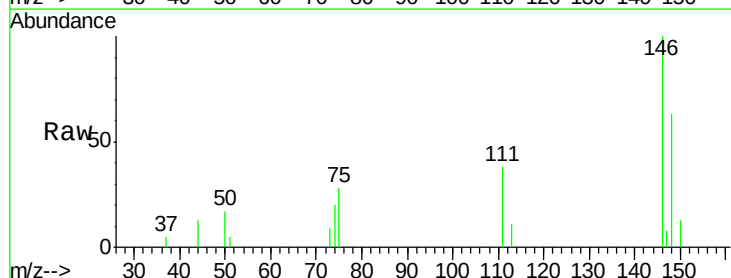
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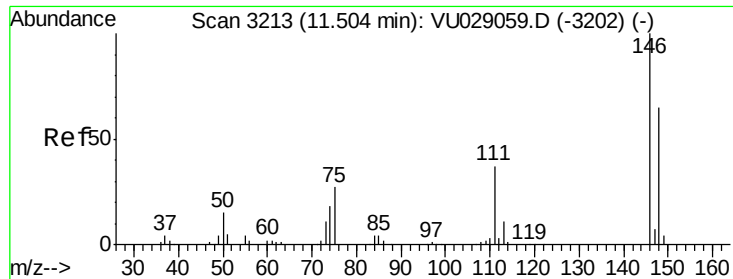
Tot Ion:112 Resp: 15785
Ion Ratio Lower Upper
112 100
114 33.1 22.2 41.2
77 57.4 47.8 71.8



#62
1,3-Dichlorobenzene
Concen: 1.464 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU029062.D
Acq: 07 Jan 2019 17:03

Tgt Ion:146 Resp: 3349
Ion Ratio Lower Upper
146 100
111 37.6 27.4 50.8
148 62.6 44.2 82.2

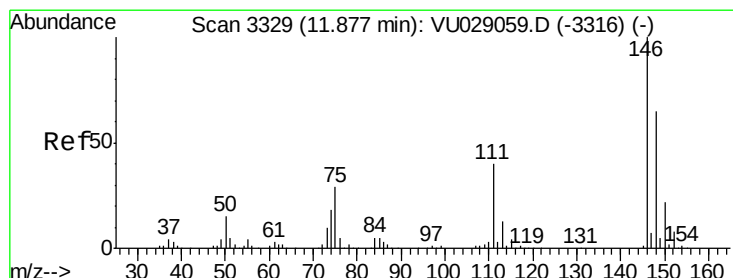
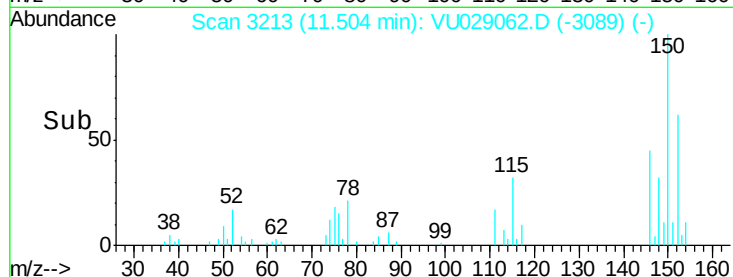
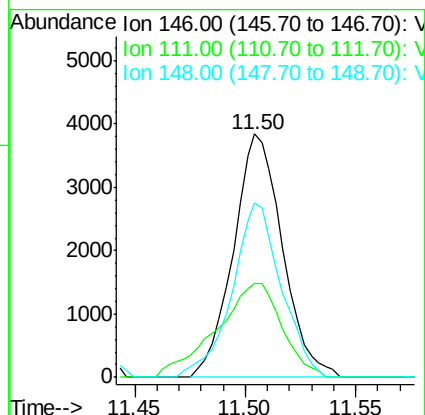
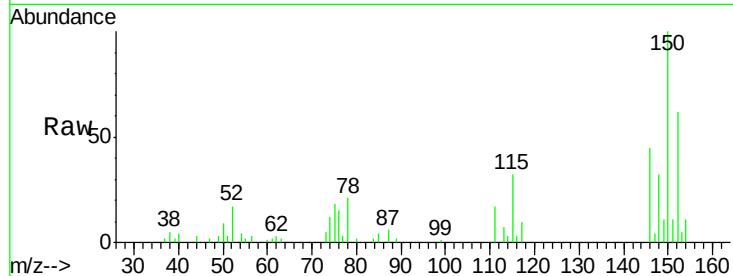




#63
 1,4-Dichlorobenzene
 Concen: 2.519 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029062.D
 Acq: 07 Jan 2019 17:03

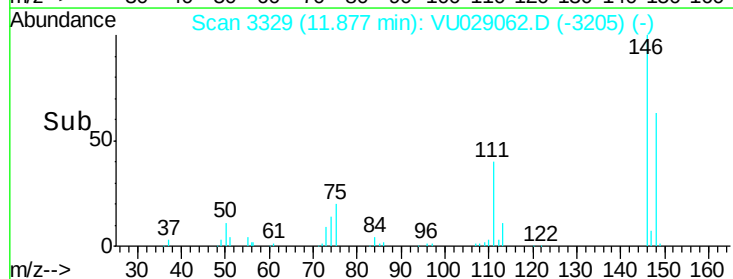
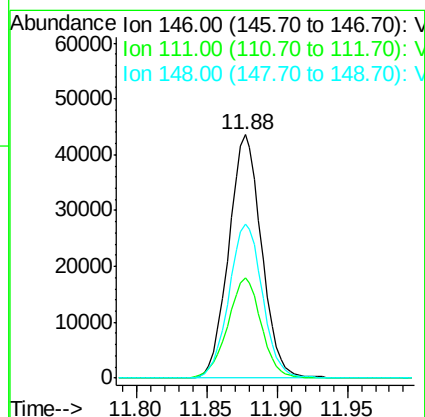
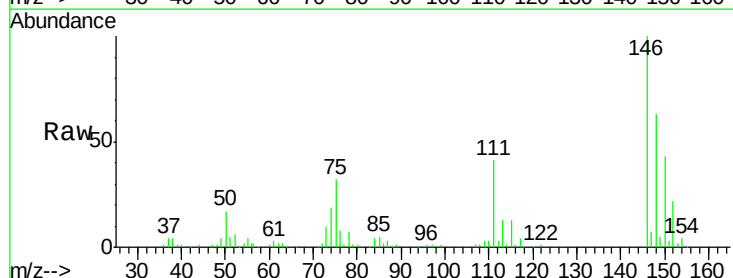
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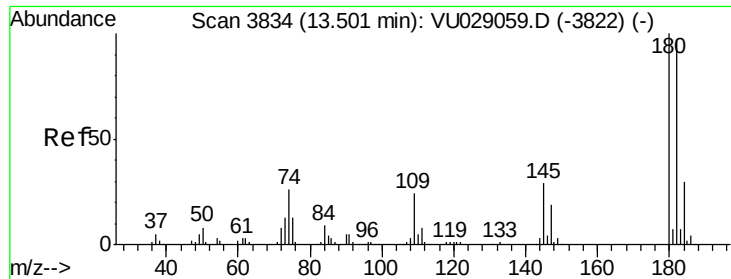
Tot Ion:146 Resp: 5938
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.5 49.1
 148 71.8 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 29.698 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029062.D
 Acq: 07 Jan 2019 17:03

Tgt Ion:146 Resp: 70880
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.1 48.1
 148 63.1 49.7 74.5

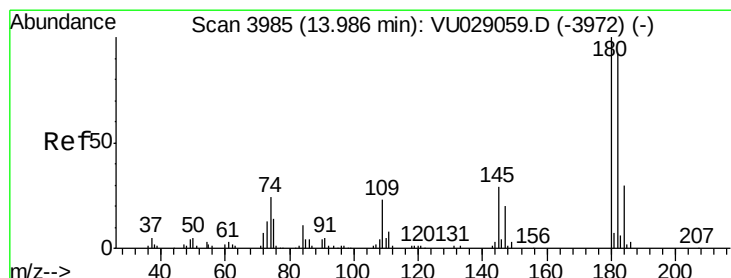
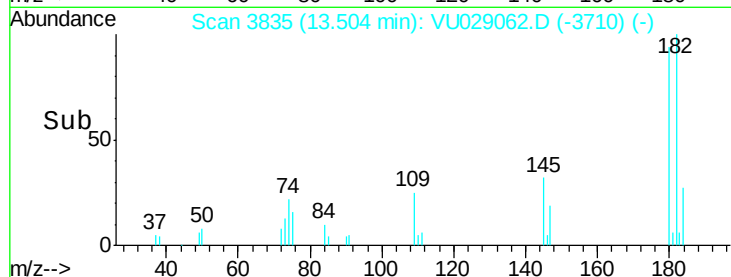
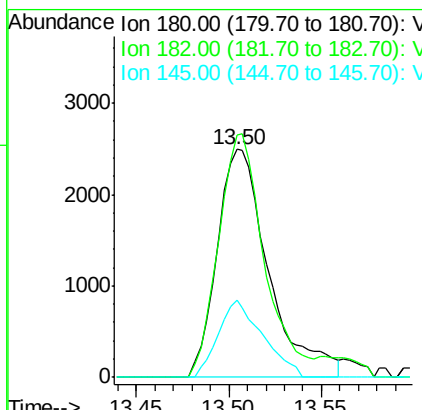
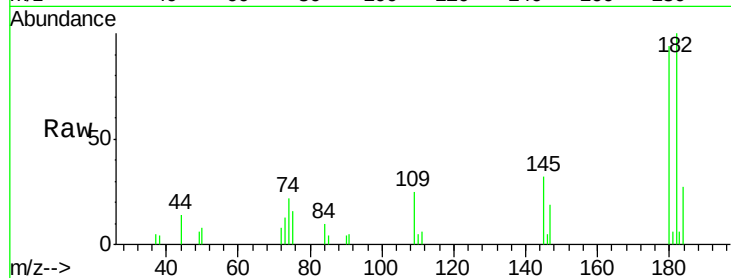




#68
 1,2,4-trichlorobenzene
 Concen: 3.405 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU029062.D
 Acq: 07 Jan 2019 17:03

Instrument :
 MSVOA_U
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 C0947

Tot Ion:180 Resp: 4810
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.4 116.0
 145 29.3 23.5 35.3



#70
 1,2,3-Trichlorobenzene
 Concen: 2.635 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU029062.D
 Acq: 07 Jan 2019 17:03

Tgt Ion:180 Resp: 4014
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.8 113.8
 145 25.1 24.5 36.7

