

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031819\
 Data File : VV009764.D
 Acq On : 18 Mar 2019 17:24
 Operator : SY/MD
 Sample : K1967-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B6

Quant Time: Mar 19 05:13:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 18 12:32:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	131498	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	124861	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51302	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40346	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.02%
7) Chloroethane-d5	1.55	69	33696	51.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.02%
11) 1,1-Dichloroethene-d2	2.12	63	68096	36.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.14%
21) 2-Butanone-d5	3.93	46	54442	103.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.09%
24) Chloroform-d	4.40	84	77149	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	5.08	65	50620	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
32) Benzene-d6	5.10	84	166620	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.14%
36) 1,2-Dichloropropane-d6	6.12	67	50986	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.66%
41) Toluene-d8	7.36	98	159950	50.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.90%
43) trans-1,3-Dichloropropene-	7.67	79	22609	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.26%
47) 2-Hexanone-d5	8.13	63	41727	103.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.21%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	74462	49.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.82%
64) 1,2-Dichlorobenzene-d4	11.68	152	54369	52.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.74%

Target Compounds

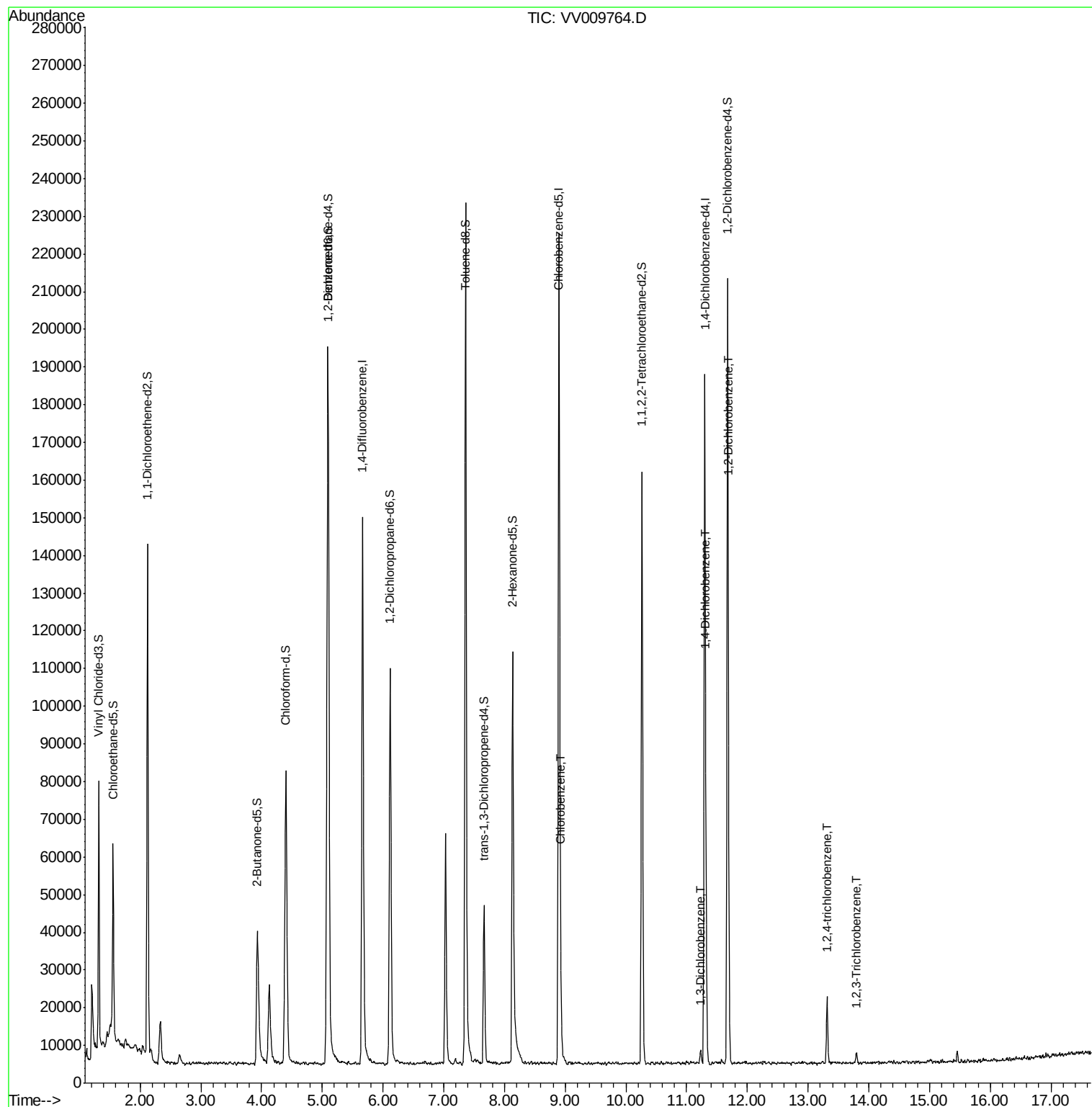
					Ovalue
51) Chlorobenzene	8.93	112	8410	3.298 ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	1867	1.109 ug/L	86
63) 1,4-Dichlorobenzene	11.32	146	7494	4.414 ug/L	91
65) 1,2-Dichlorobenzene	11.69	146	4350	2.533 ug/L	92
68) 1,2,4-trichlorobenzene	13.31	180	5731	7.639 ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	1010	1.343 ug/L #	89

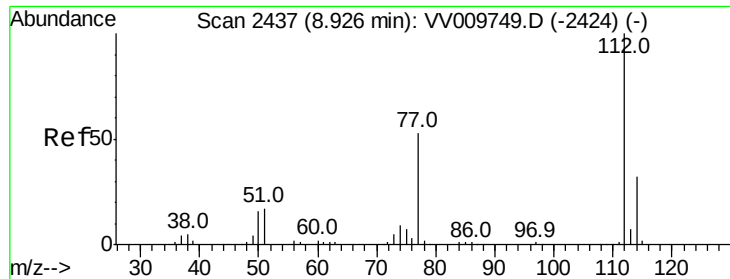
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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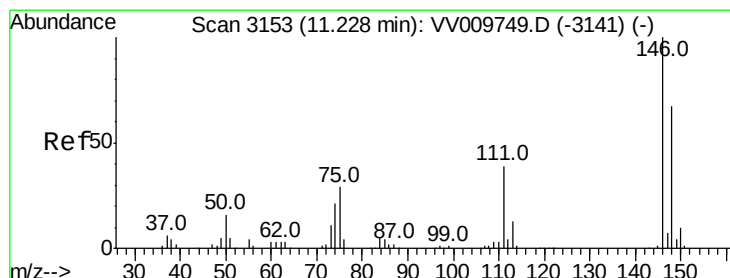
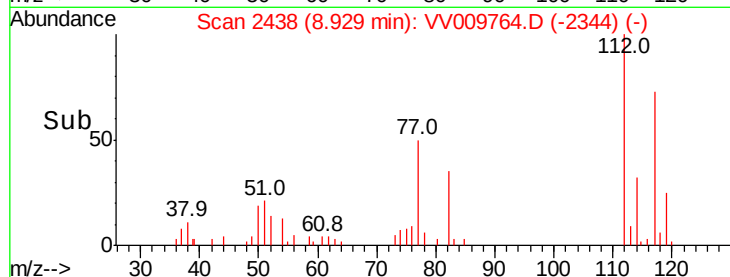
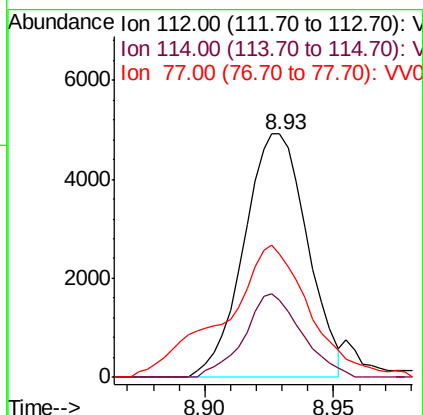
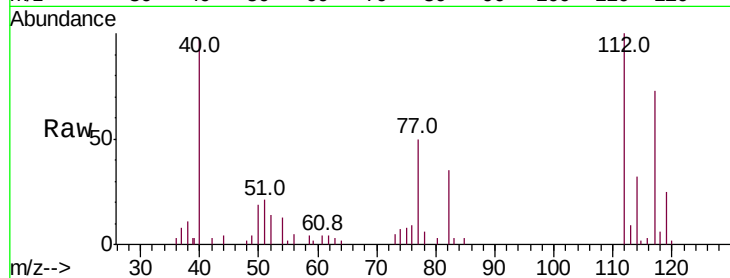




#51
Chlorobenzene
Concen: 3.298 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV009764.D
Acq: 18 Mar 2019 17:24

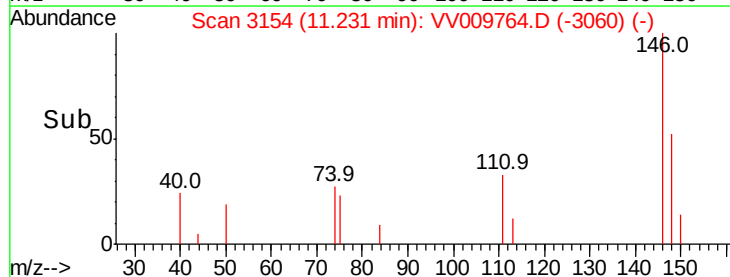
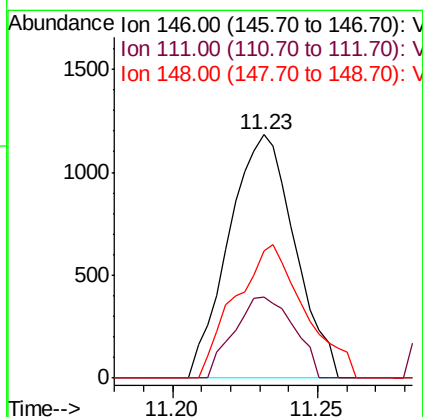
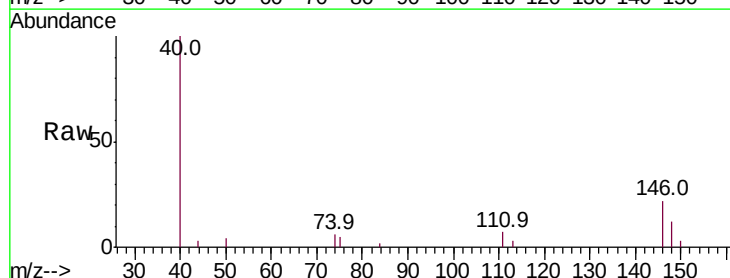
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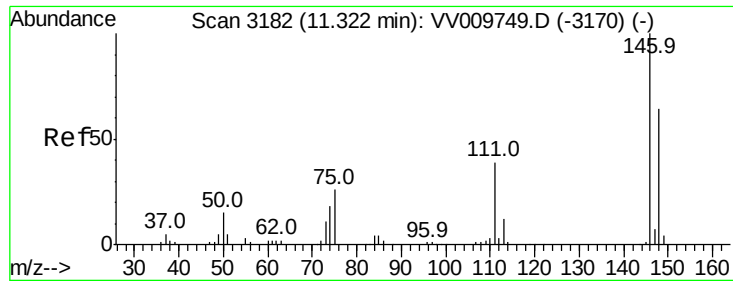
Tot Ion:112 Resp: 8410
Ion Ratio Lower Upper
112 100
114 31.7 22.5 41.9
77 50.4 45.4 68.2



#62
1,3-Dichlorobenzene
Concen: 1.109 ug/L
RT: 11.23 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VV009764.D
Acq: 18 Mar 2019 17:24

Tgt Ion:146 Resp: 1867
Ion Ratio Lower Upper
146 100
111 33.4 28.8 53.4
148 52.5 44.8 83.2

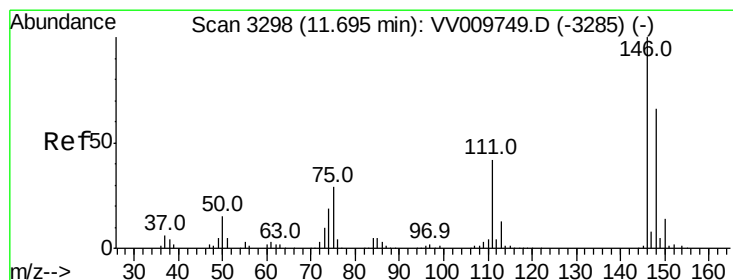
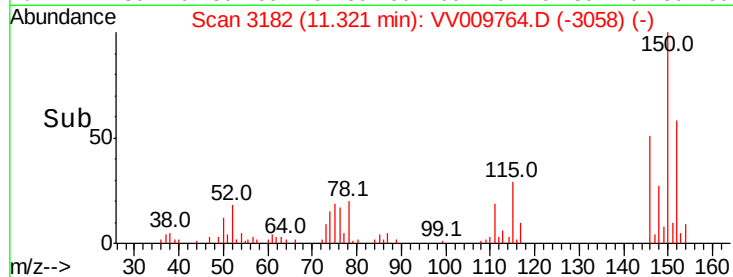
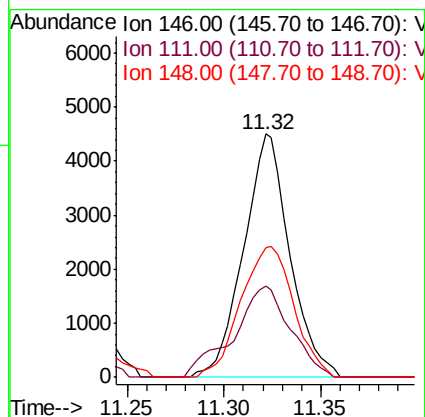
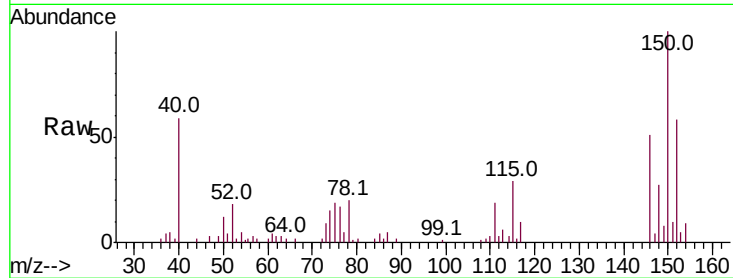




#63
 1,4-Dichlorobenzene
 Concen: 4.414 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009764.D
 Acq: 18 Mar 2019 17:24

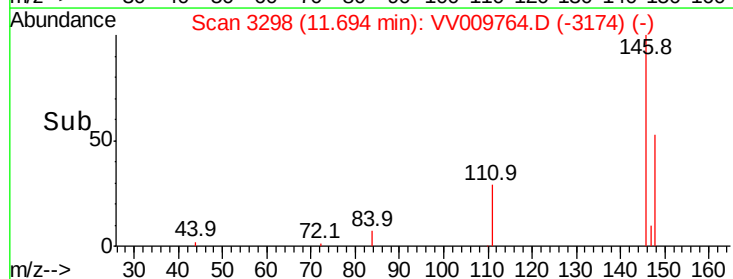
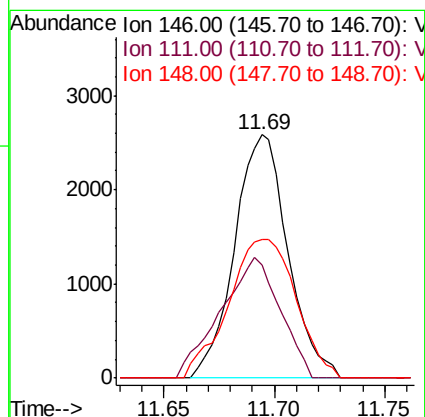
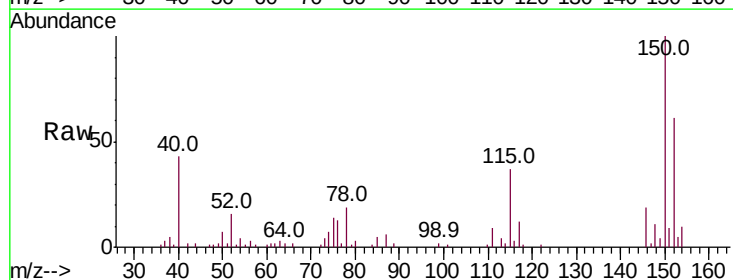
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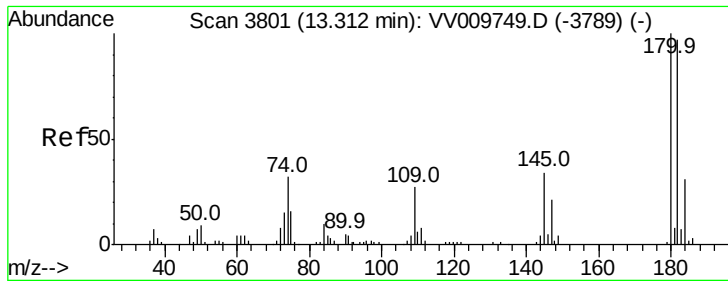
Tot Ion:146 Resp: 7494
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.7 49.5
 148 53.1 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 2.533 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV009764.D
 Acq: 18 Mar 2019 17:24

Tgt Ion:146 Resp: 4350
 Ion Ratio Lower Upper
 146 100
 111 46.6 32.2 48.4
 148 57.0 49.6 74.4

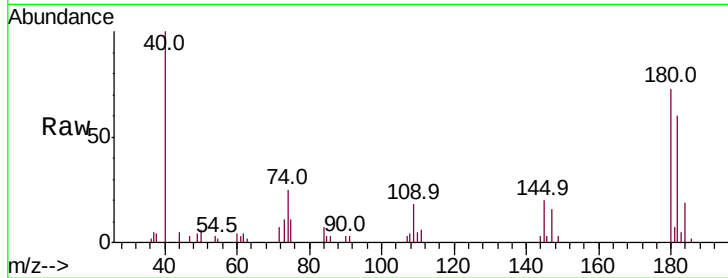




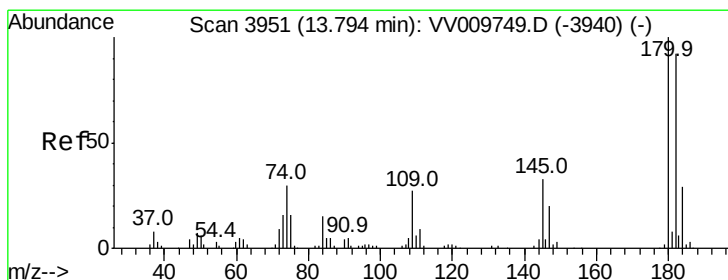
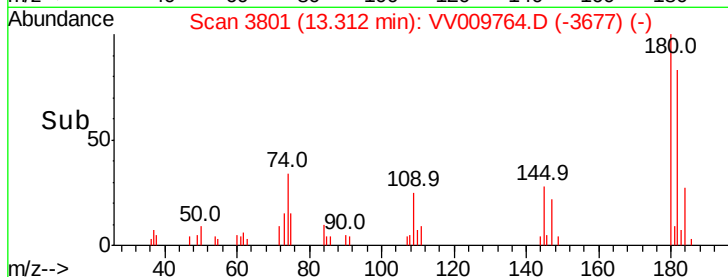
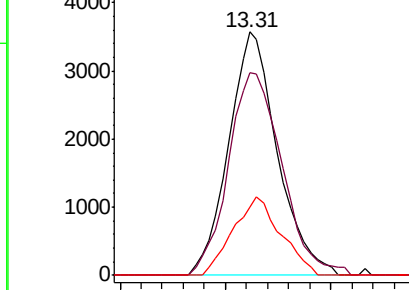
#68
 1,2,4-trichlorobenzene
 Concen: 7.639 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009764.D
 Acq: 18 Mar 2019 17:24

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B6

Tot Ion:180 Resp: 5731
 Ion Ratio Lower Upper
 180 100
 182 91.5 75.7 113.5
 145 31.4 25.3 37.9

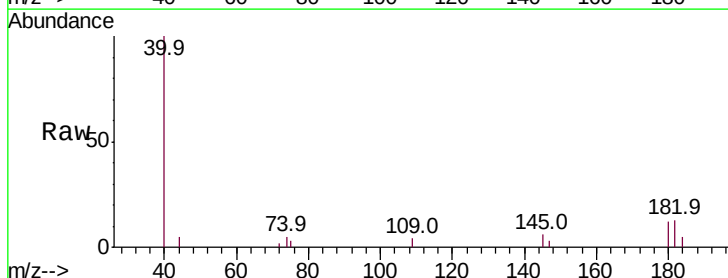


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.343 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009764.D
 Acq: 18 Mar 2019 17:24

Tgt Ion:180 Resp: 1010
 Ion Ratio Lower Upper
 180 100
 182 101.4 73.3 109.9
 145 25.7 26.4 39.6#



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

