

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030233.D
 Acq On : 20 Mar 2019 19:23
 Operator : JC/SP
 Sample : K1967-20
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0976

Quant Time: Mar 22 13:39:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:27:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	519877	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	510233	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	256434	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	151357	43.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.12%
7) Chloroethane-d5	1.68	69	130774	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.04%
11) 1,1-Dichloroethene-d2	2.27	63	214066	33.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.76%
21) 2-Butanone-d5	4.17	46	260977	100.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.07%
24) Chloroform-d	4.65	84	304152	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.31	65	176538	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.34	84	642695	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.33	67	203536	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.84%
41) Toluene-d8	7.56	98	571458	45.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.85	79	92470	45.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.30%
47) 2-Hexanone-d5	8.31	63	213285	98.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.86%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	307965	48.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.52%
64) 1,2-Dichlorobenzene-d4	11.85	152	250989	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%

Target Compounds

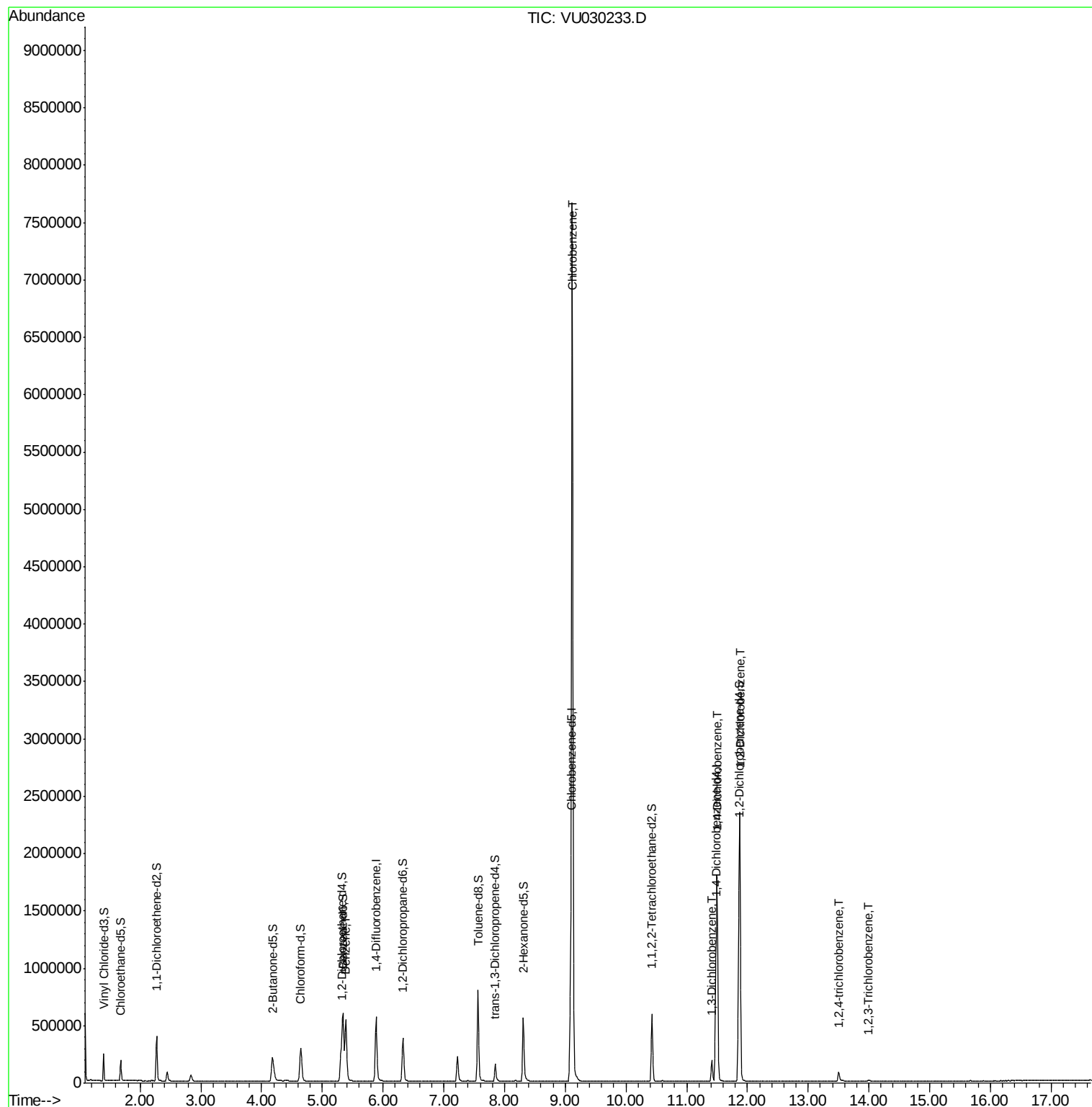
					Ovalue
33) Benzene	5.39	78	574708	39.040 ug/L	100
51) Chlorobenzene	9.12	112	4430674	417.965 ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	80492	9.838 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	759006	89.438 ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	959222	114.754 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	34939	6.179 ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	6046	1.025 ug/L #	95

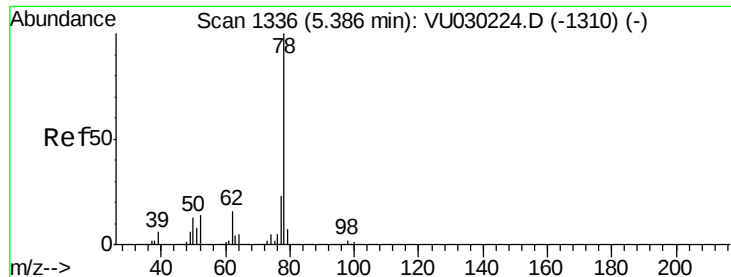
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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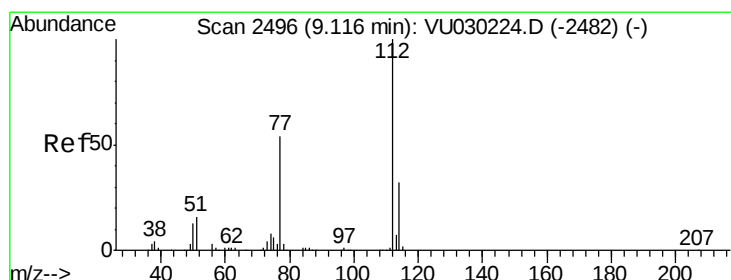
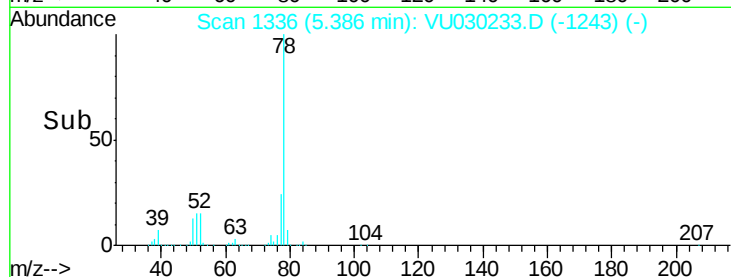
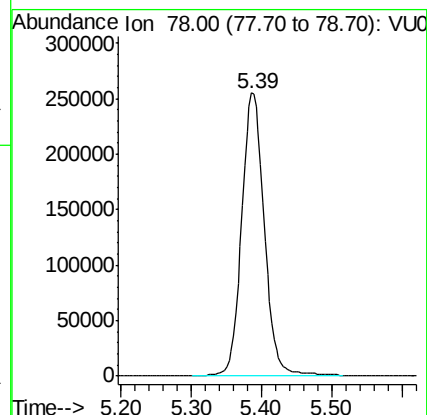
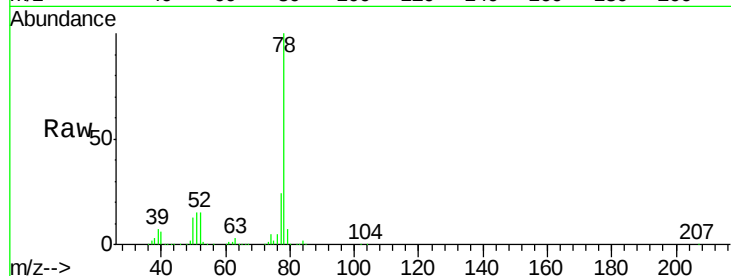




#33
Benzene
Concen: 39.040 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030233.D
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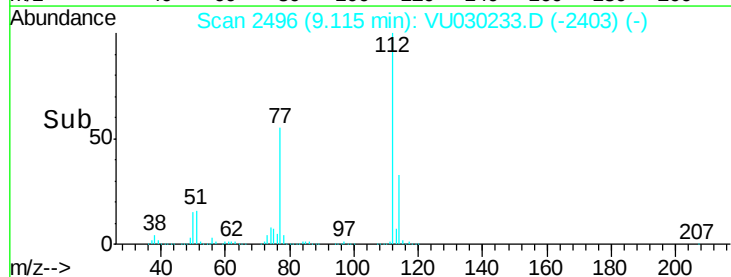
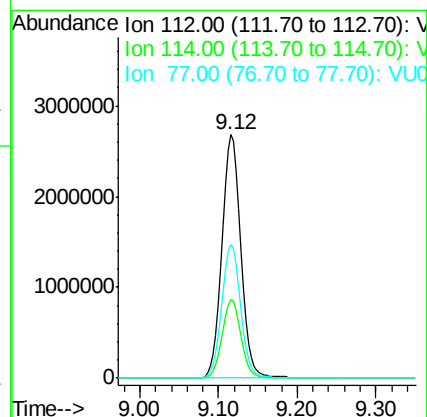
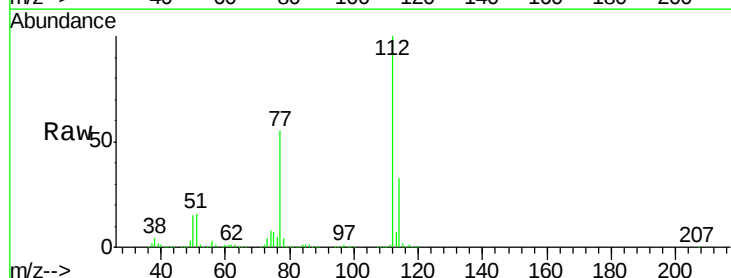
Tgt Ion: 78 Resp: 574708

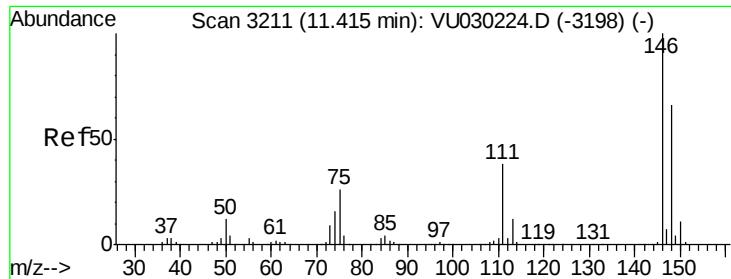


#51
Chlorobenzene
Concen: 417.965 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030233.D
Acq: 20 Mar 2019 19:23

Tgt Ion: 112 Resp: 4430674

Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.5	41.7
77	55.1	43.4	65.0

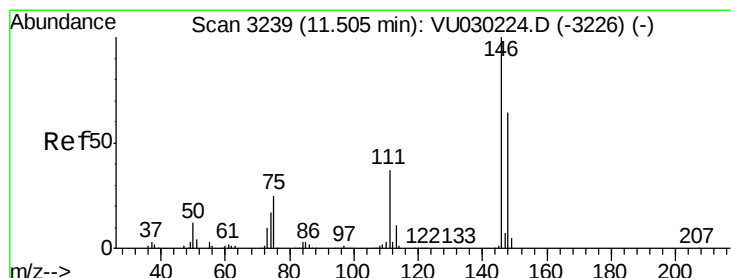
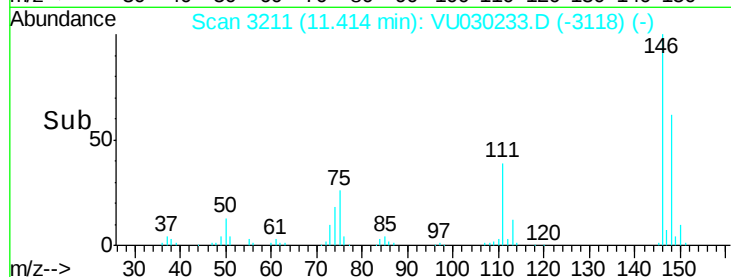
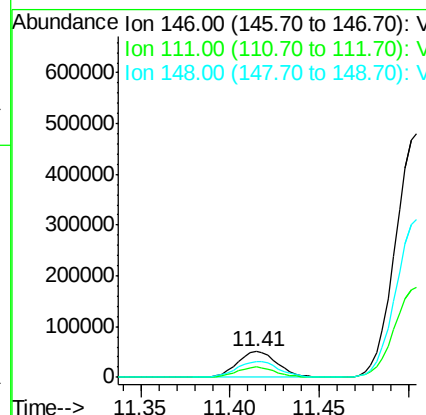
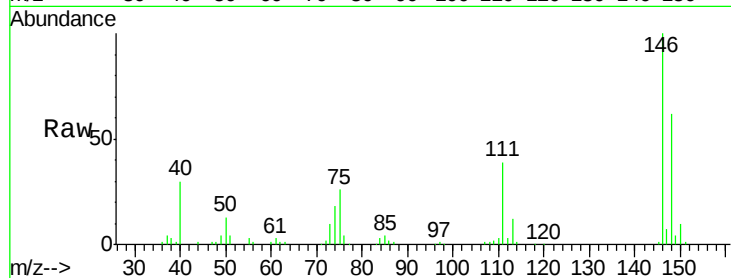




#62
 1,3-Dichlorobenzene
 Concen: 9.838 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030233.D
 Acq: 20 Mar 2019 19:23

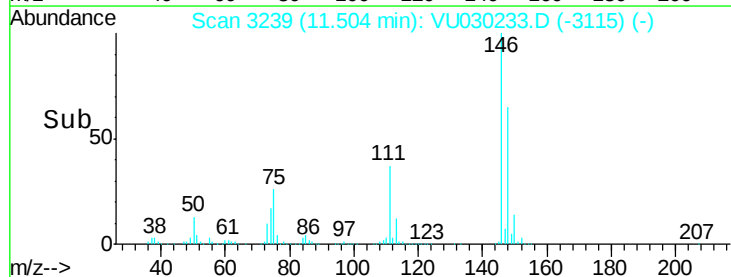
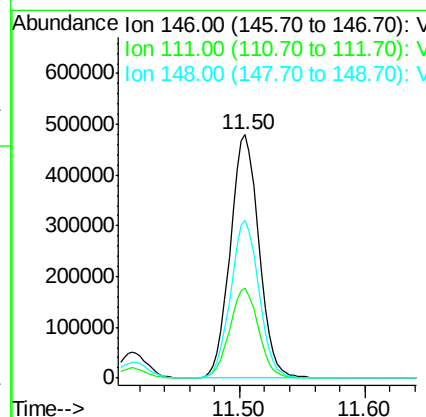
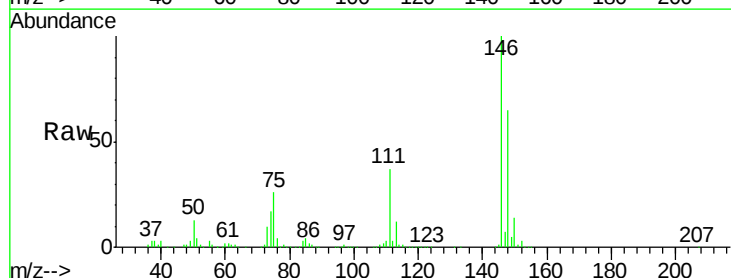
Instrument :
 MSVOA_U
 ClientSampleId :
 C0976

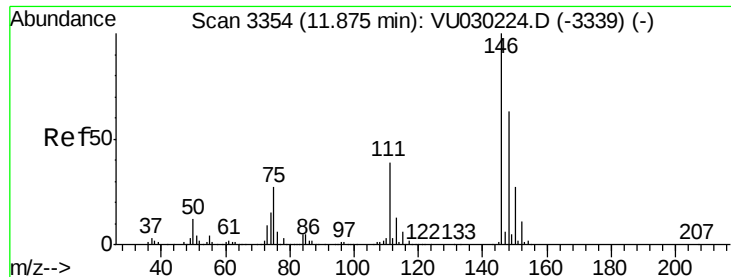
Tot Ion:146 Resp: 80492
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.2 50.4
 148 62.2 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 89.438 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030233.D
 Acq: 20 Mar 2019 19:23

Tgt Ion:146 Resp: 759006
 Ion Ratio Lower Upper
 146 100
 111 36.8 25.3 46.9
 148 64.8 44.7 82.9

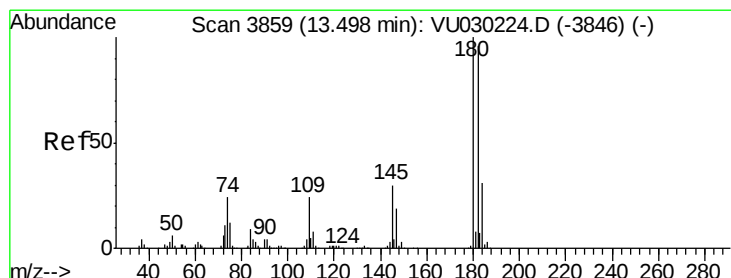
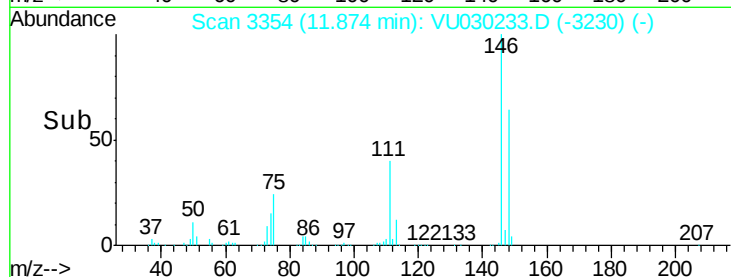
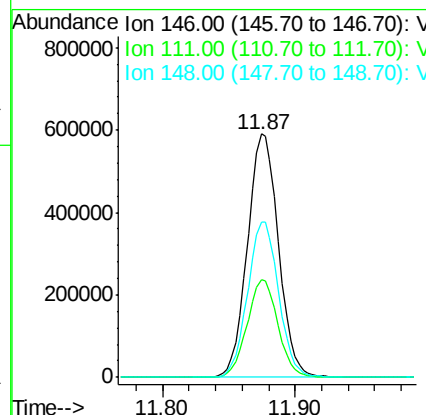
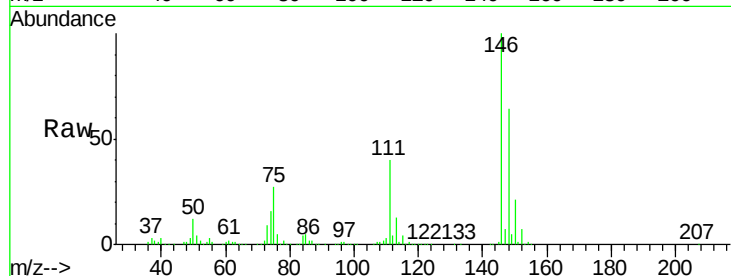




#65
 1,2-Dichlorobenzene
 Concen: 114.754 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030233.D
 Acq: 20 Mar 2019 19:23

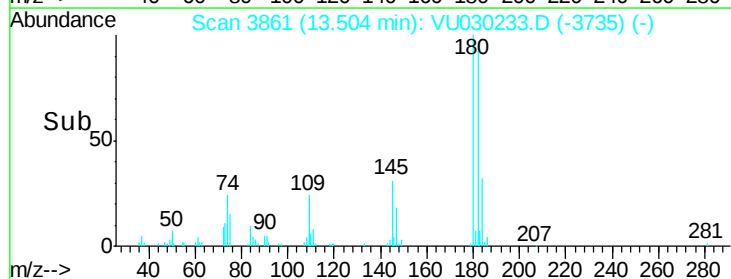
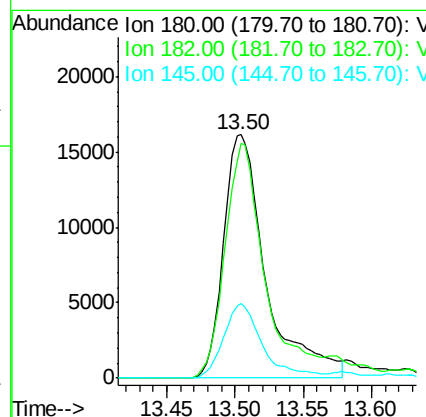
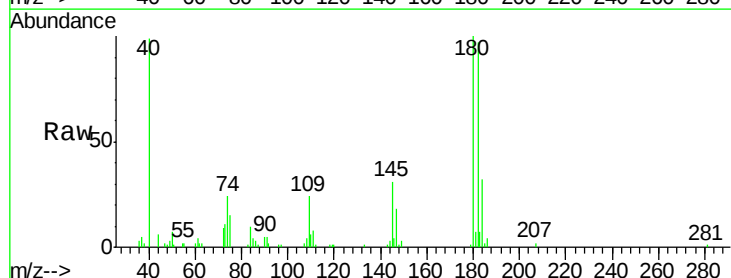
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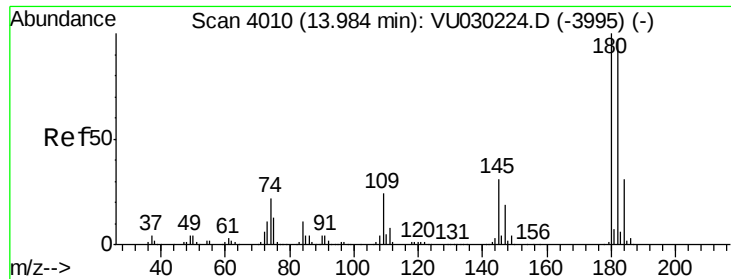
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	31.7	47.5
148	64.0	52.0	78.0



#68
 1,2,4-trichlorobenzene
 Concen: 6.179 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030233.D
 Acq: 20 Mar 2019 19:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.5	76.4	114.6
145	28.1	22.7	34.1





#70
 1,2,3-Trichlorobenzene
 Concen: 1.025 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030233.D
 Acq: 20 Mar 2019 19:23

Instrument :
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 ClientSampleId :
 C0976

Tot Ion:180 Resp: 6046
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.9 113.9
 145 21.4 24.1 36.1#

