

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032519\
 Data File : VU030423.D
 Acq On : 25 Mar 2019 23:26
 Operator : JC/SP
 Sample : K2070-05 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A8

Manual Integrations
 APPROVED

apatel
 4/10/2019 10:37:32 AM

Quant Time: Mar 26 04:25:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 01:25:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	479290	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	448740	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182717	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	198099	51.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.72%
7) Chloroethane-d5	1.68	69	154048	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.78%
11) 1,1-Dichloroethene-d2	2.27	63	264775	36.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.38%
21) 2-Butanone-d5	4.17	46	316853	87.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.38%
24) Chloroform-d	4.64	84	307308	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	5.31	65	206255	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.34	84	642758	49.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.90%
36) 1,2-Dichloropropane-d6	6.33	67	223603	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.58%
41) Toluene-d8	7.56	98	557304	48.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.44%
43) trans-1,3-Dichloropropene-	7.85	79	92473	44.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.34%
47) 2-Hexanone-d5	8.31	63	199435	83.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.59%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	289759	45.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	183891	50.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.46%

Target Compounds

					Ovalue
33) Benzene	5.39	78	792901	51.906	ug/L 100
51) Chlorobenzene	9.12	112	803129	83.588	ug/L 99
62) 1,3-Dichlorobenzene	11.41	146	13873	2.322	ug/L 98
63) 1,4-Dichlorobenzene	11.50	146	230563	37.481	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	199882	33.082	ug/L 98
68) 1,2,4-trichlorobenzene	13.51	180	11712m	3.013	ug/L

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

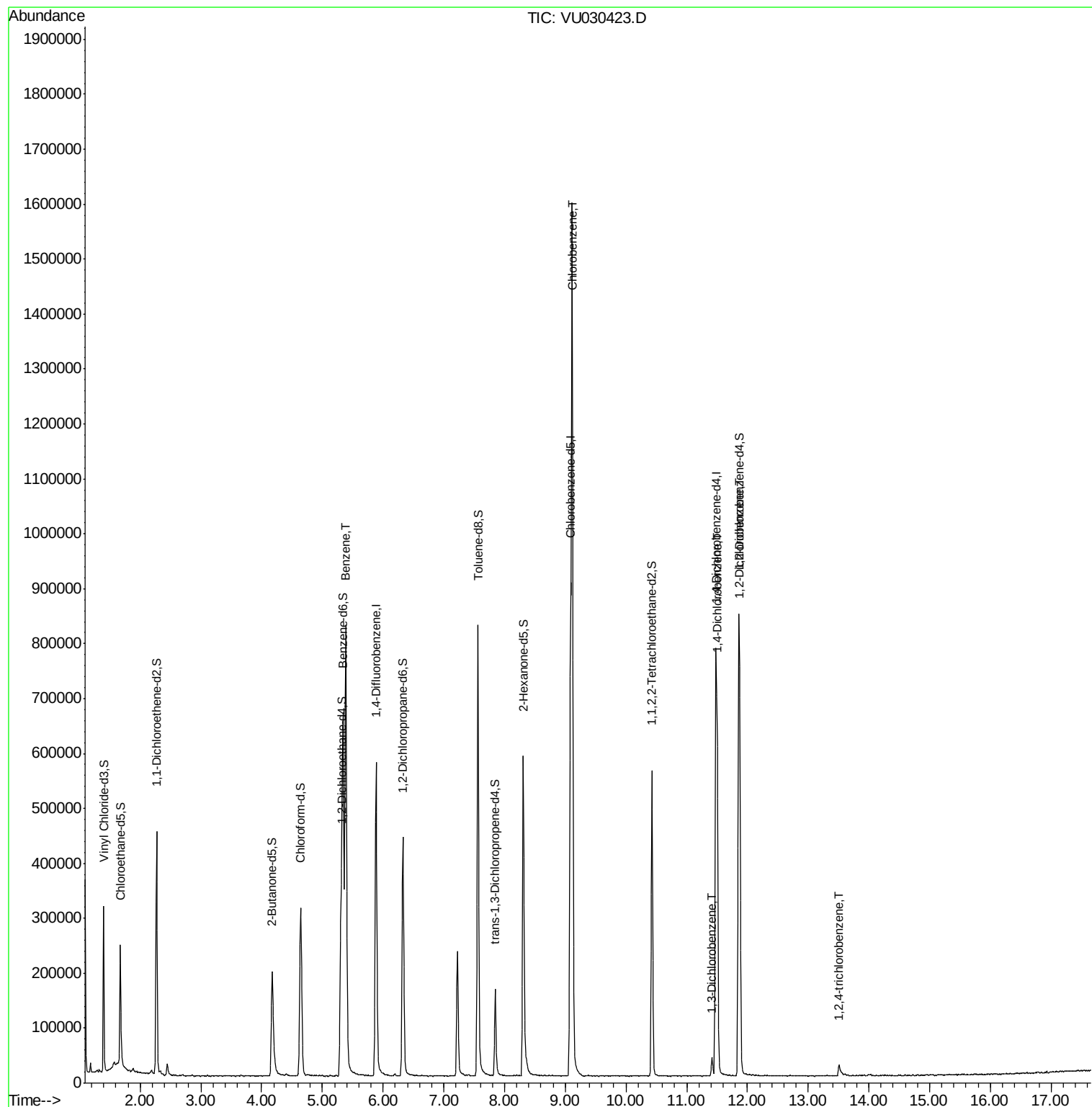
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032519\
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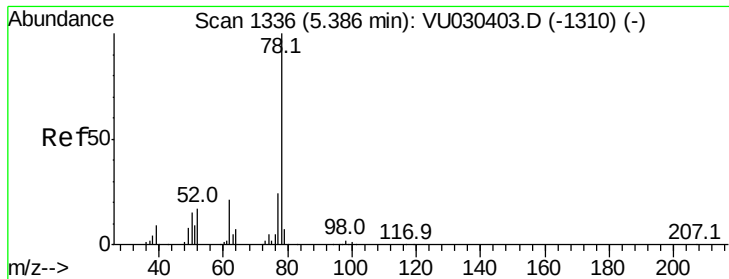
Instrument :
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Quant Title : VOC Analysis
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Response via : Initial Calibration





#33

Benzene

Concen: 51.906 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU030423.D

Acq: 25 Mar 2019 23:26

Instrument :

MSVOA_U

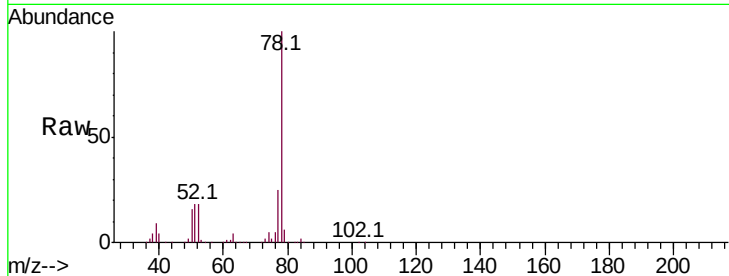
ClientSampled :

C09A8

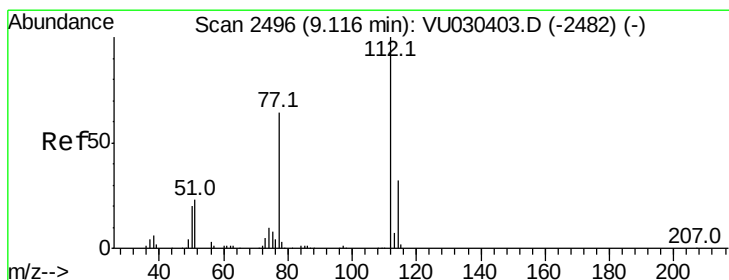
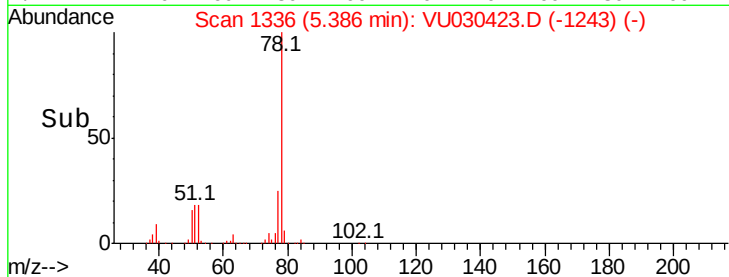
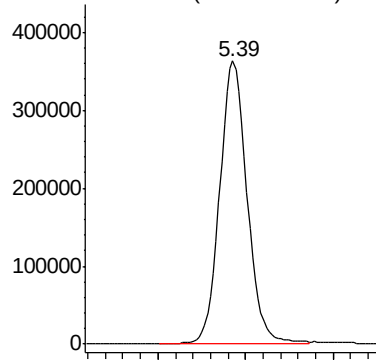
Tgt Ion: 78 Resp: 792901

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 83.588 ug/L

RT: 9.12 min Scan# 2496

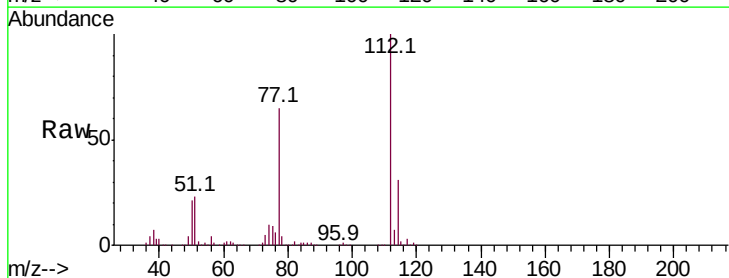
Delta R.T. -0.00 min

Lab File: VU030423.D

Acq: 25 Mar 2019 23:26

Tgt Ion: 112 Resp: 803129

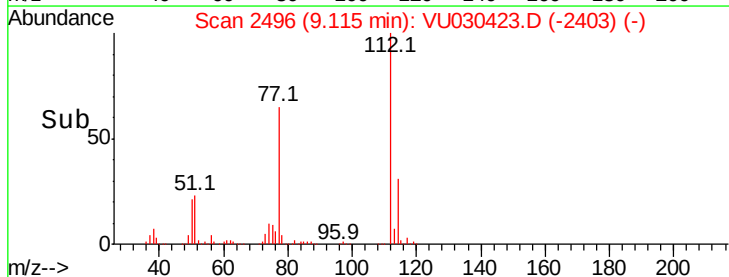
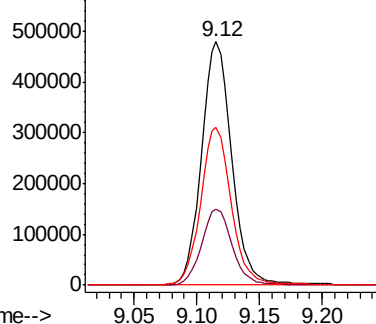
Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.5	39.9
77	64.9	51.4	77.0

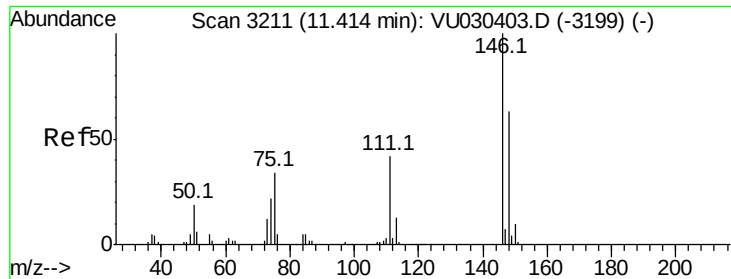


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





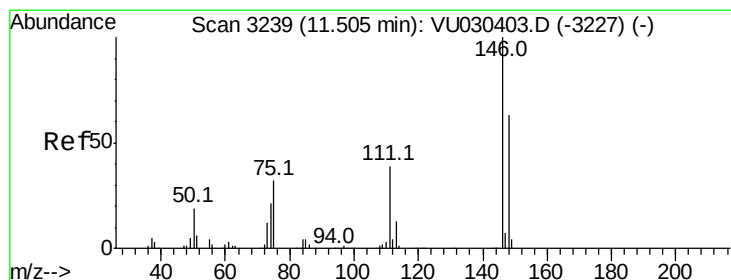
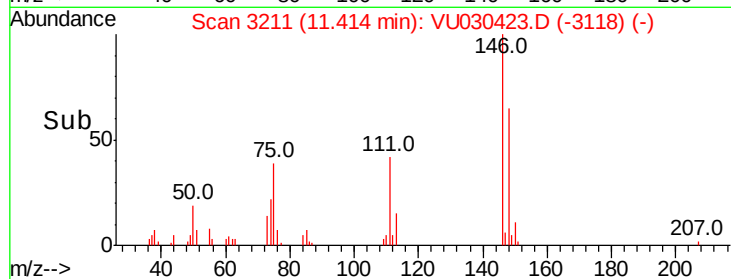
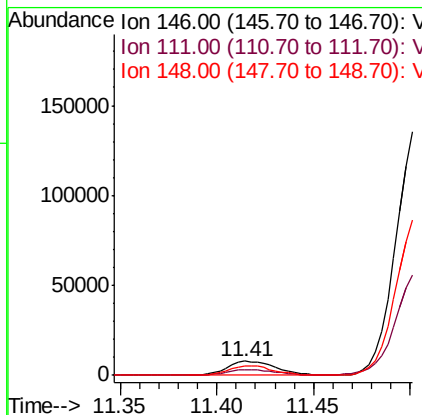
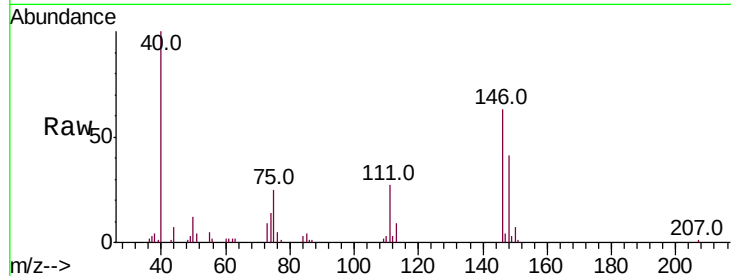
#62
 1,3-Dichlorobenzene
 Concen: 2.322 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030423.D
 Acq: 25 Mar 2019 23:26

Instrument :
 MSVOA_U
 ClientSampled :
 C09A8

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	29.2	54.2
148	65.4	44.4	82.4

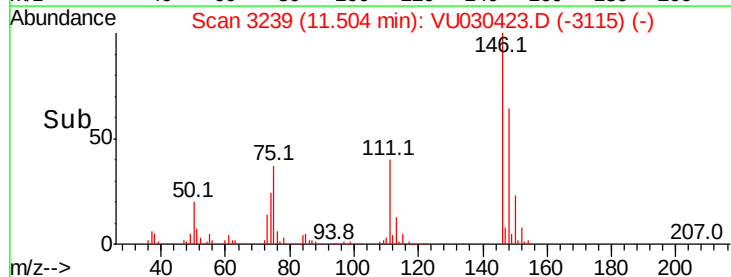
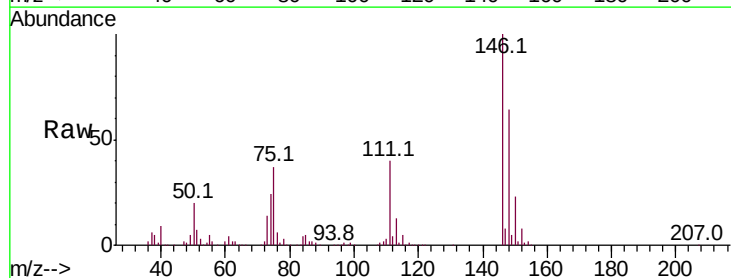
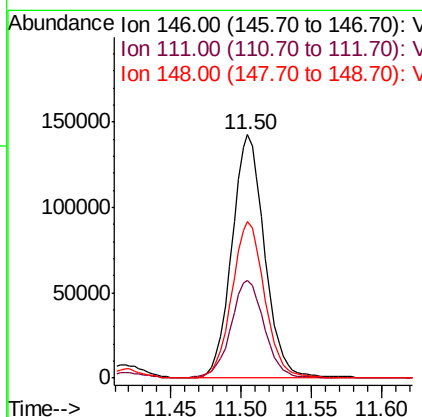
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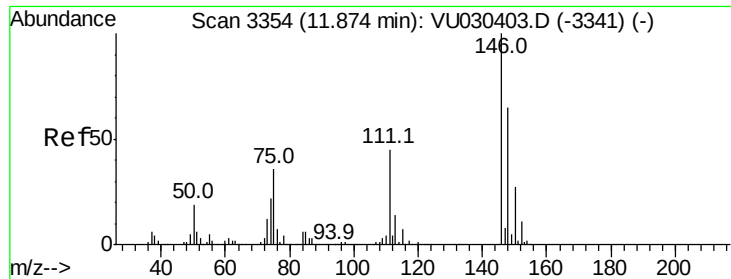
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#63
 1,4-Dichlorobenzene
 Concen: 37.481 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030423.D
 Acq: 25 Mar 2019 23:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.7	53.3
148	64.1	44.3	82.3





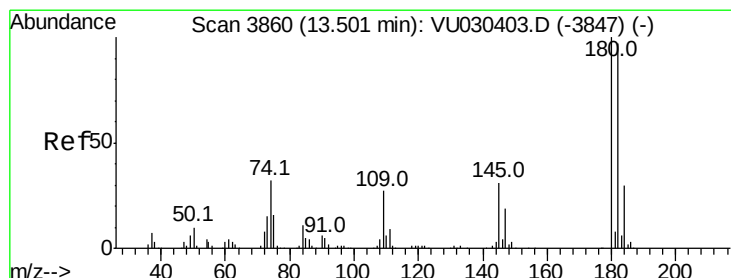
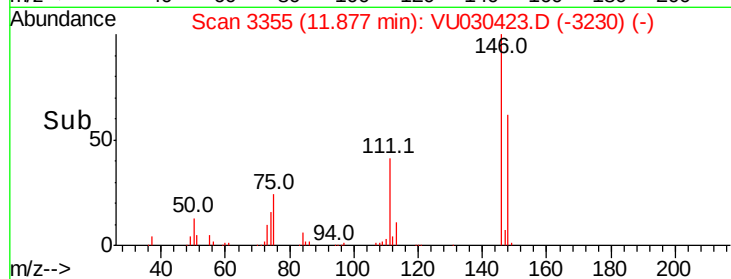
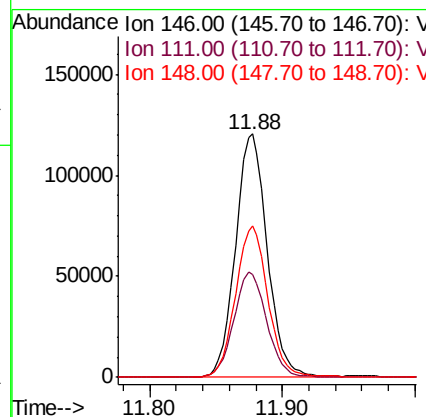
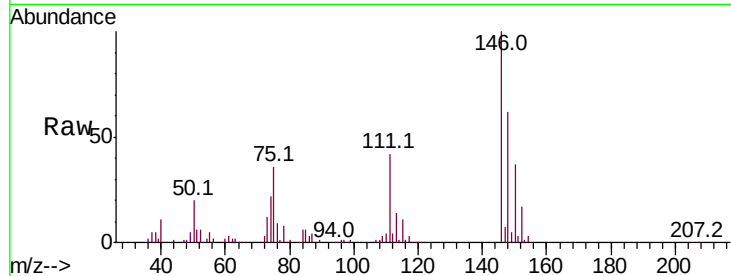
#65
 1,2-Dichlorobenzene
 Concen: 33.082 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030423.D
 Acq: 25 Mar 2019 23:26

Instrument :
 MSVOA_U
 ClientSampled :
 C09A8

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	34.9	52.3
148	62.2	51.2	76.8

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#68
 1,2,4-trichlorobenzene
 Concen: 3.013 ug/L m
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU030423.D
 Acq: 25 Mar 2019 23:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	74.6	76.1	114.1#
145	13.2	24.5	36.7#

