

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030439.D
 Acq On : 26 Mar 2019 13:11
 Operator : JC/SP
 Sample : K2070-17 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E3

Quant Time: Mar 27 05:22:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 04:29:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	453642	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	427740	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	188428	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	193760	53.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.14%
7) Chloroethane-d5	1.67	69	151740	52.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.88%
11) 1,1-Dichloroethene-d2	2.27	63	269009	38.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.68%
21) 2-Butanone-d5	4.17	46	347522	101.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.26%
24) Chloroform-d	4.64	84	313526	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
26) 1,2-Dichloroethane-d4	5.31	65	211465	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
32) Benzene-d6	5.34	84	643769	52.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.96%
36) 1,2-Dichloropropane-d6	6.33	67	228089	54.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.70%
41) Toluene-d8	7.56	98	559562	50.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.58%
43) trans-1,3-Dichloropropene-	7.85	79	97617	49.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.94%
47) 2-Hexanone-d5	8.31	63	218682	96.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	296854	49.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	196321	52.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

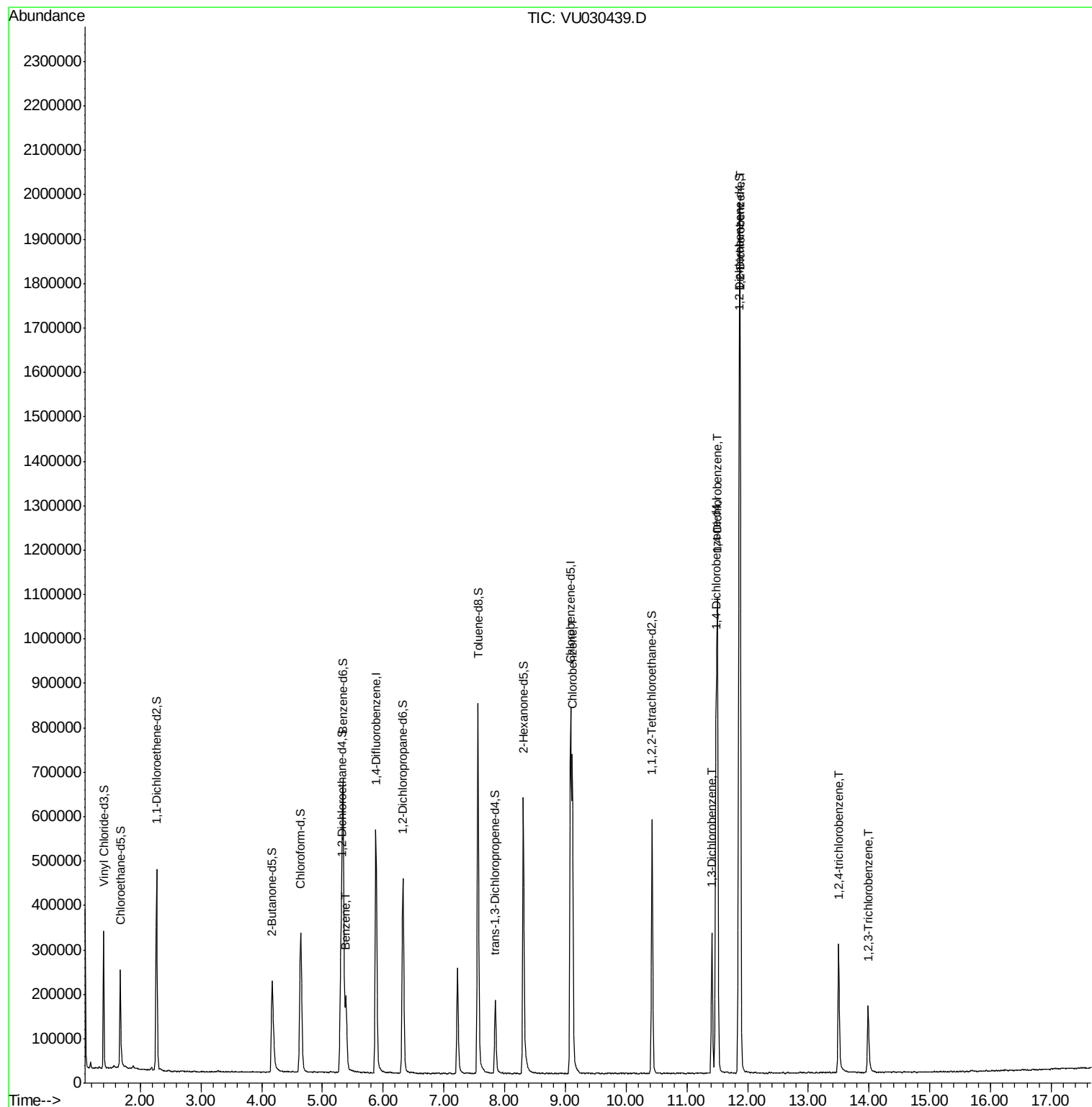
					Ovalue
33) Benzene	5.39	78	164317	11.285	ug/L 100
51) Chlorobenzene	9.12	112	362515	39.582	ug/L 100
62) 1,3-Dichlorobenzene	11.41	146	123976	20.119	ug/L 97
63) 1,4-Dichlorobenzene	11.50	146	374568	59.045	ug/L 99
65) 1,2-Dichlorobenzene	11.87	146	689792	110.706	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	96238	24.010	ug/L 95
70) 1,2,3-Trichlorobenzene	13.99	180	54582	12.896	ug/L 99

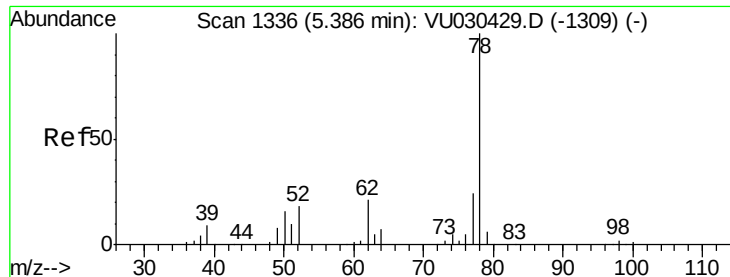
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 11.285 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU030439.D

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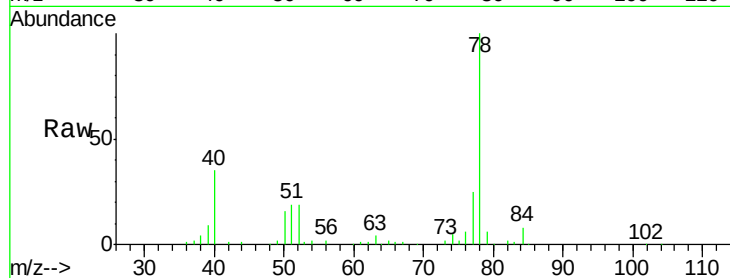
Instrument :

MSVOA_U

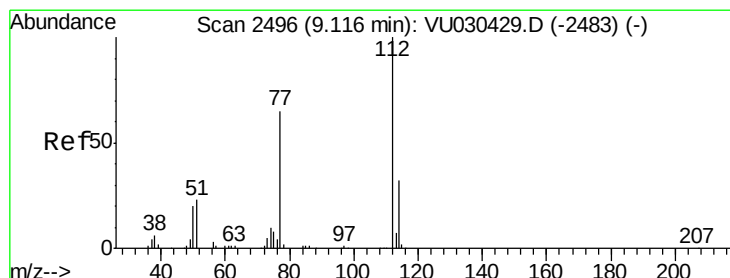
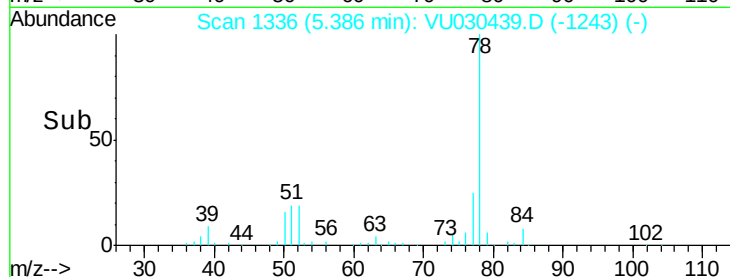
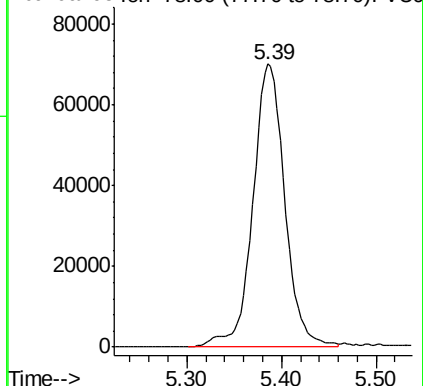
ClientSampleId :

C09E3

Tgt Ion: 78 Resp: 164317



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 39.582 ug/L

RT: 9.12 min Scan# 2496

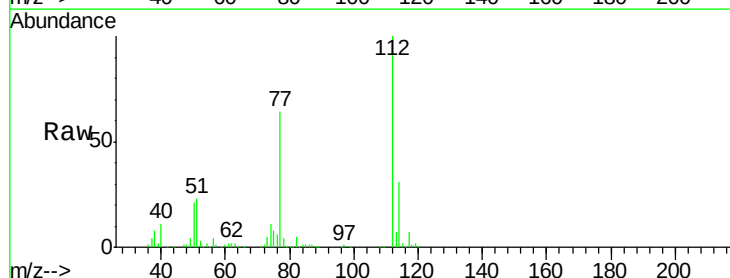
Delta R.T. -0.00 min

Lab File: VU030439.D

Acq: 26 Mar 2019 13:11

Tgt Ion: 112 Resp: 362515

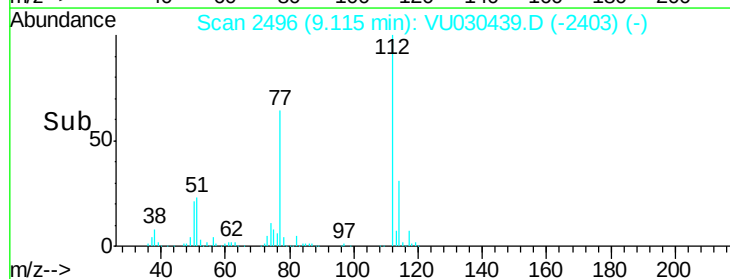
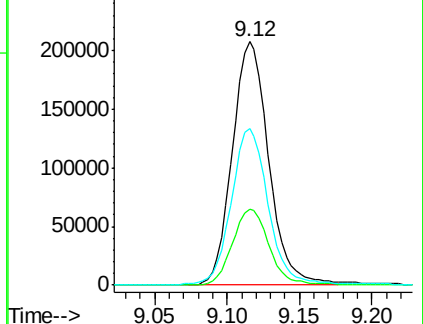
Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.5	39.9
77	64.2	51.4	77.0

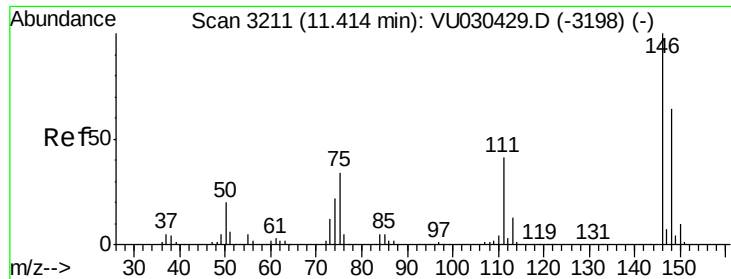


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

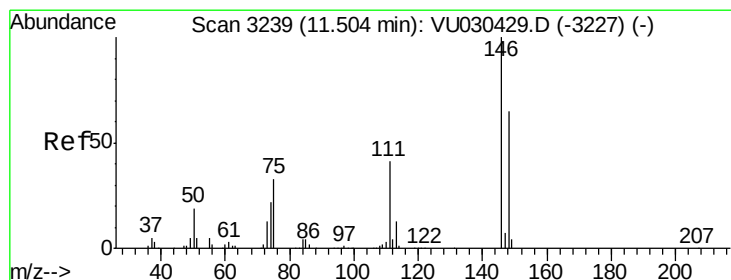
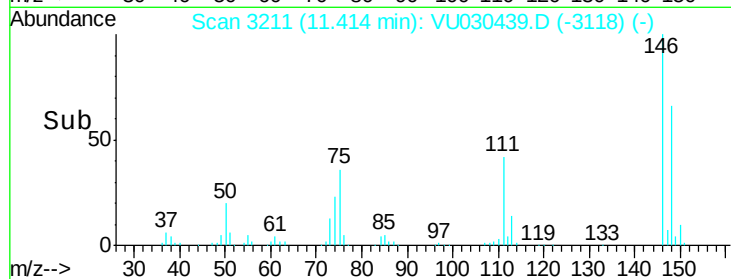
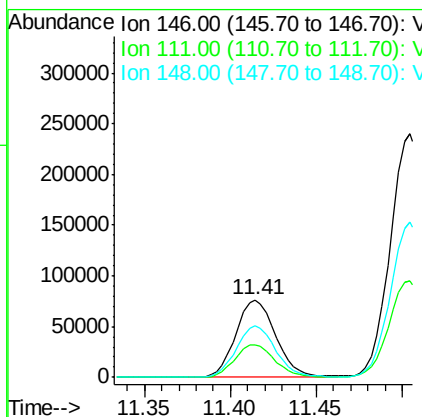
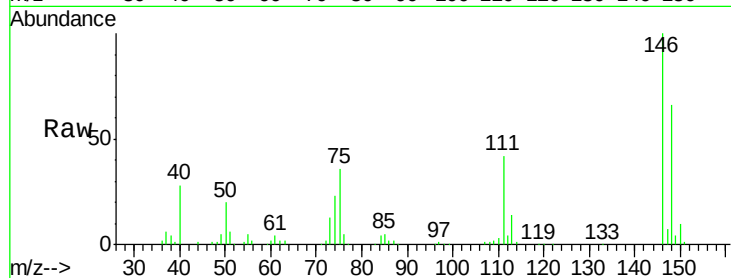




#62
 1,3-Dichlorobenzene
 Concen: 20.119 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030439.D
 Acq: 26 Mar 2019 13:11

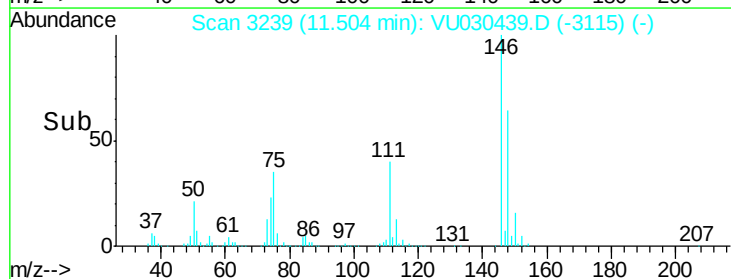
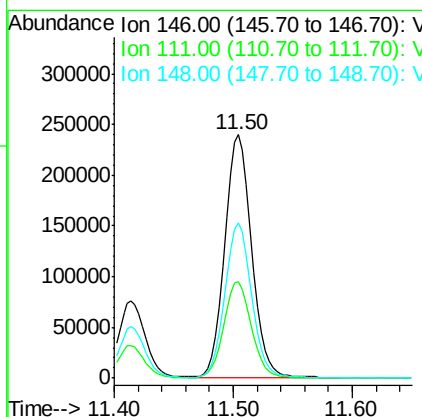
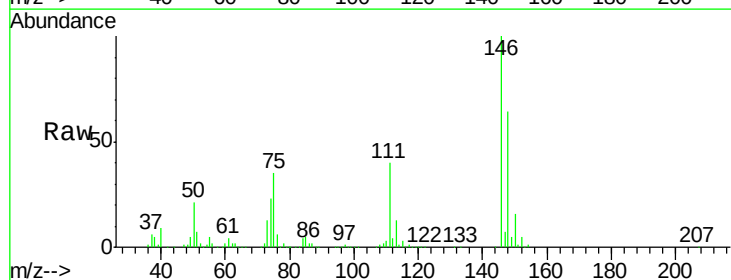
Instrument :
 MSVOA_U
 ClientSampleId :
 C09E3

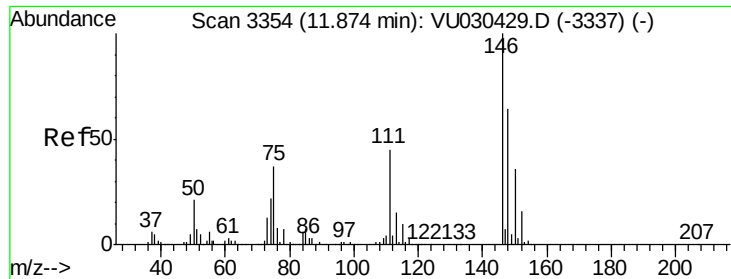
Tot Ion:146 Resp: 123976
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.2 54.2
 148 66.4 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 59.045 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030439.D
 Acq: 26 Mar 2019 13:11

Tgt Ion:146 Resp: 374568
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.7 53.3
 148 64.0 44.3 82.3

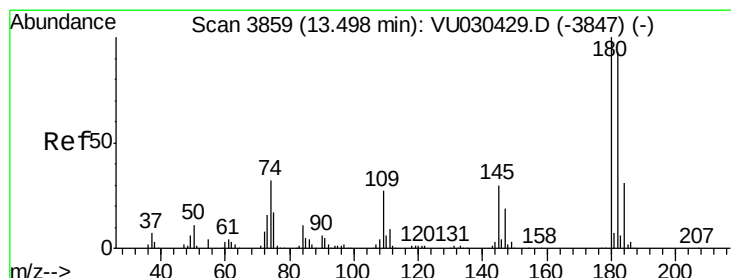
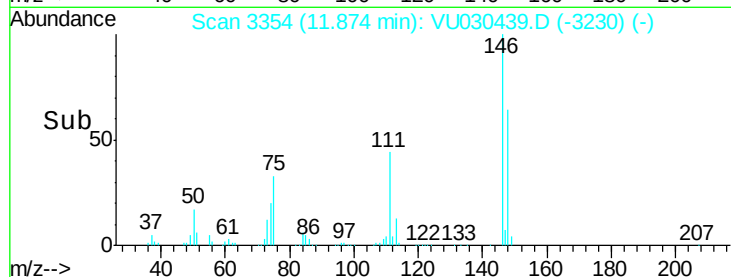
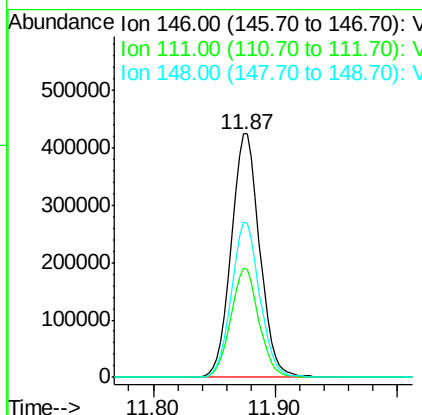
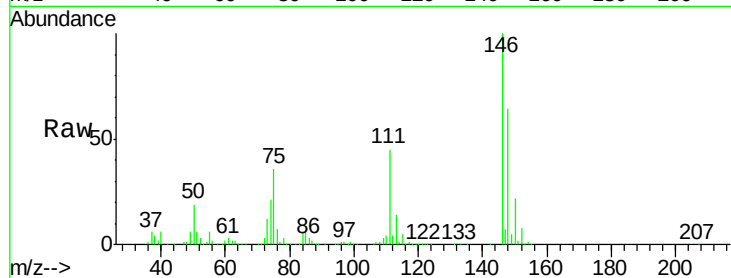




#65
 1,2-Dichlorobenzene
 Concen: 110.706 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030439.D
 Acq: 26 Mar 2019 13:11

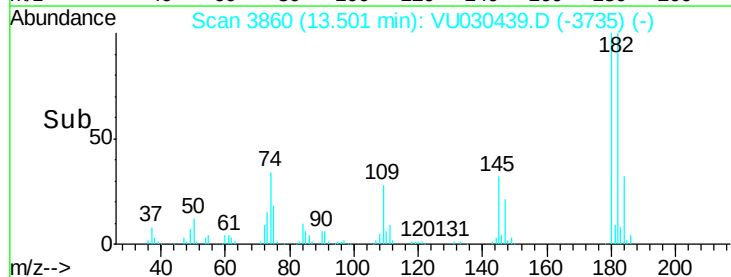
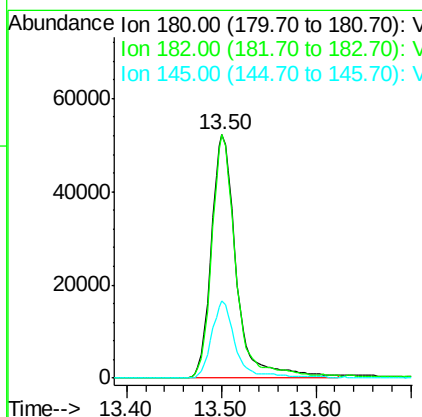
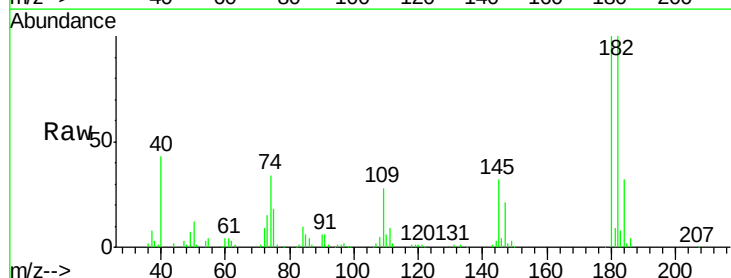
Instrument :
 MSVOA_U
 ClientSampleId :
 C09E3

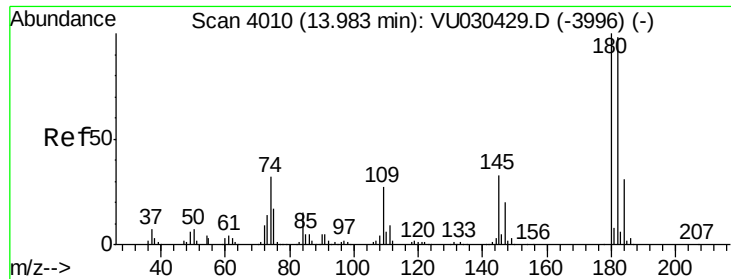
Tot Ion:146 Resp: 689792
 Ion Ratio Lower Upper
 146 100
 111 44.6 34.9 52.3
 148 63.9 51.2 76.8



#68
 1,2,4-trichlorobenzene
 Concen: 24.010 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030439.D
 Acq: 26 Mar 2019 13:11

Tgt Ion:180 Resp: 96238
 Ion Ratio Lower Upper
 180 100
 182 90.5 76.1 114.1
 145 28.3 24.5 36.7

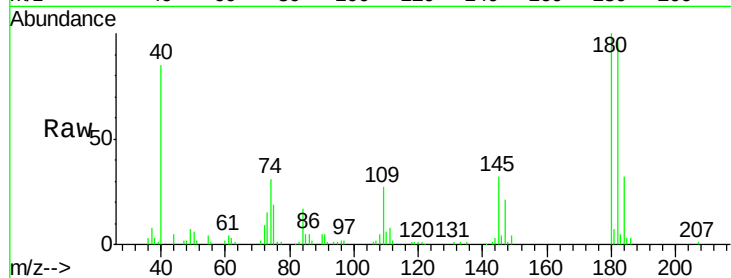




#70
 1,2,3-Trichlorobenzene
 Concen: 12.896 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030439.D
 Acq: 26 Mar 2019 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E3

Tot Ion	180	Resp	54582
Ion Ratio	Lower	Upper	
180	100		
182	95.5	77.4	116.2
145	32.3	25.9	38.9



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

