

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030478.D
 Acq On : 27 Mar 2019 13:09
 Operator : JC/SP
 Sample : K2022-18 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F3

Quant Time: Mar 28 02:09:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 01:25:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	427061	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	418481	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	173185	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	157013	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.36%
7) Chloroethane-d5	1.68	69	134499	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.74%
11) 1,1-Dichloroethene-d2	2.27	63	227935	34.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.92%
21) 2-Butanone-d5	4.17	46	337753	104.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.54%
24) Chloroform-d	4.65	84	297151	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	5.31	65	201444	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.98%
32) Benzene-d6	5.34	84	596619	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
36) 1,2-Dichloropropane-d6	6.33	67	211685	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.12%
41) Toluene-d8	7.56	98	509855	47.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.62%
43) trans-1,3-Dichloropropene-	7.85	79	91758	47.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.06%
47) 2-Hexanone-d5	8.31	63	214084	96.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	291953	49.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.38%
64) 1,2-Dichlorobenzene-d4	11.86	152	183056	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%

Target Compounds

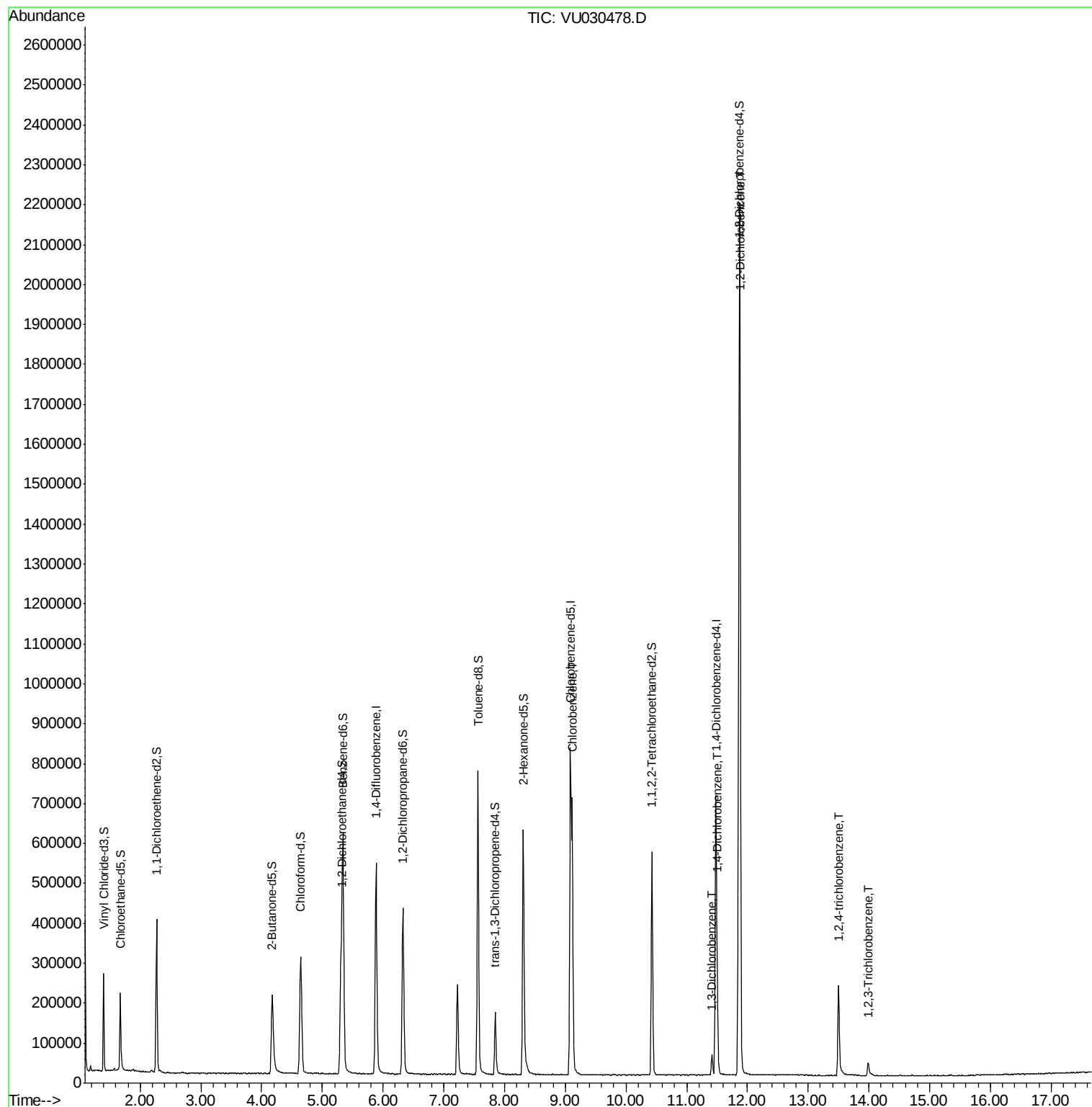
					Ovalue
51) Chlorobenzene	9.12	112	340776	38.032	ug/L 99
62) 1,3-Dichlorobenzene	11.41	146	20722	3.659	ug/L 95
63) 1,4-Dichlorobenzene	11.50	146	76130	13.057	ug/L 99
65) 1,2-Dichlorobenzene	11.87	146	784829	137.045	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	75229	20.421	ug/L 97
70) 1,2,3-Trichlorobenzene	13.99	180	12946	3.328	ug/L 96

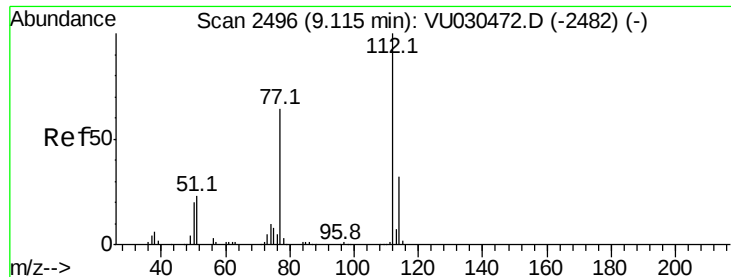
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 38.032 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030478.D

Acq: 27 Mar 2019 13:09

Instrument :

MSVOA_U

ClientSampled :

C09F3

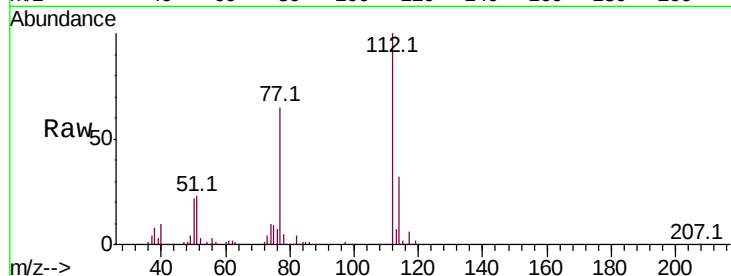
Tot Ion:112 Resp: 340776

Ion Ratio Lower Upper

112 100

114 31.8 21.5 39.9

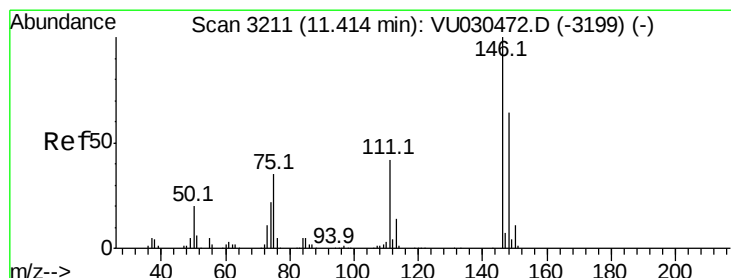
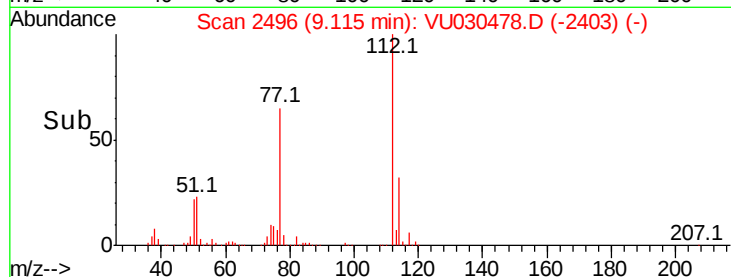
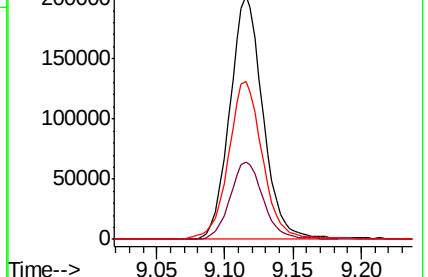
77 64.9 51.4 77.0



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): V



#62

1,3-Dichlorobenzene

Concen: 3.659 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030478.D

Acq: 27 Mar 2019 13:09

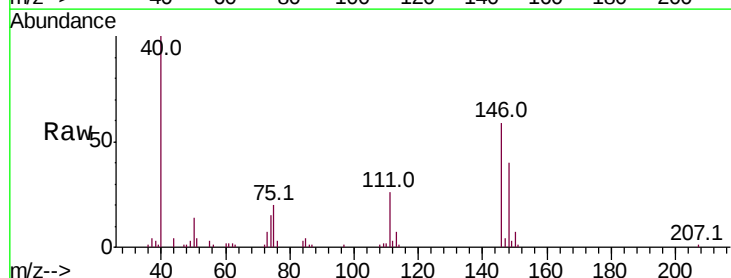
Tgt Ion:146 Resp: 20722

Ion Ratio Lower Upper

146 100

111 44.5 29.2 54.2

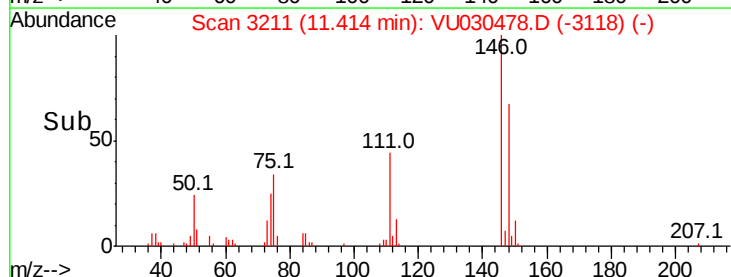
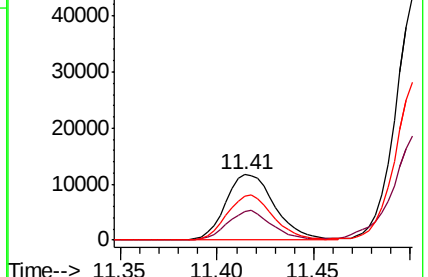
148 67.3 44.4 82.4

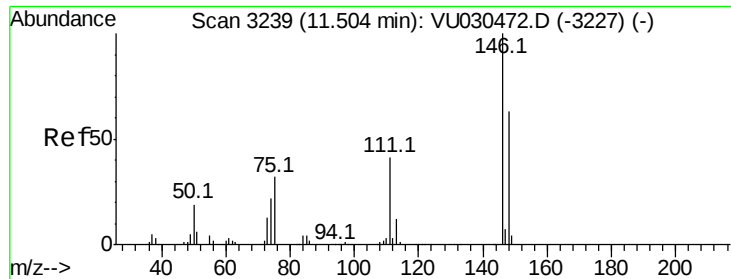


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 13.057 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030478.D

Acq: 27 Mar 2019 13:09

Instrument :

MSVOA_U

ClientSampleId :

C09F3

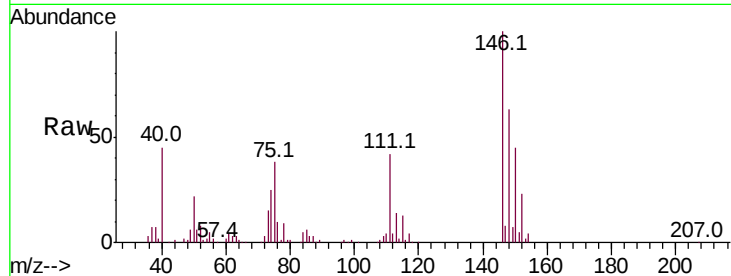
Tot Ion:146 Resp: 76130

Ion Ratio Lower Upper

146 100

111 41.8 28.7 53.3

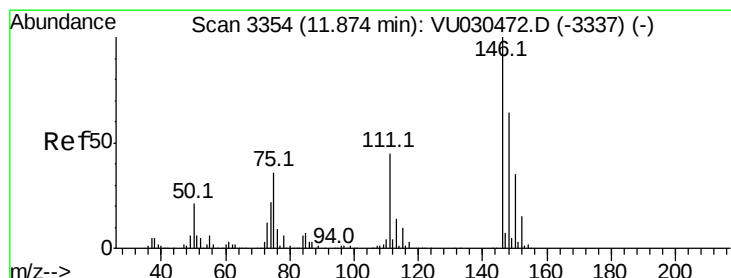
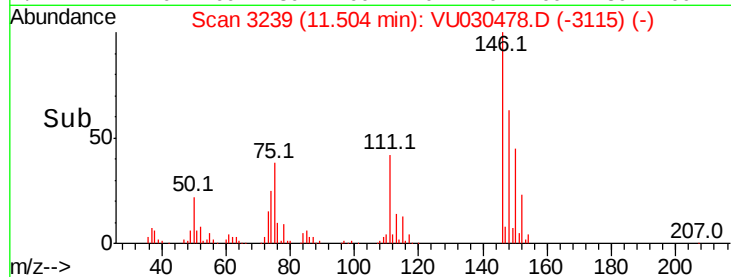
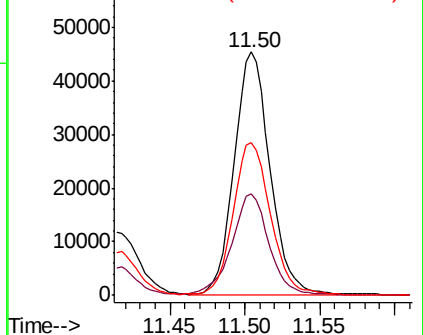
148 62.8 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 137.045 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030478.D

Acq: 27 Mar 2019 13:09

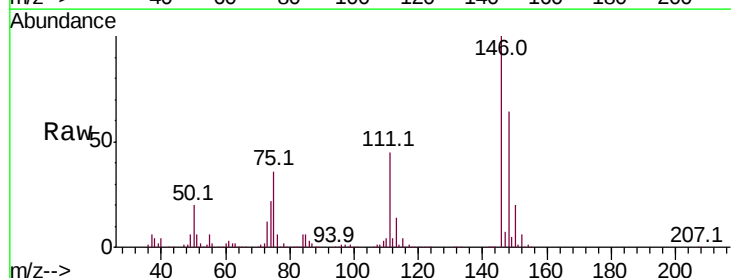
Tgt Ion:146 Resp: 784829

Ion Ratio Lower Upper

146 100

111 44.6 34.9 52.3

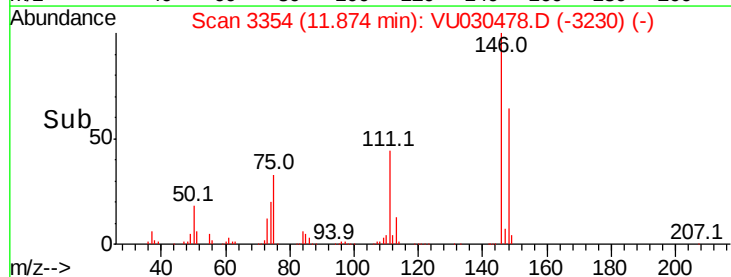
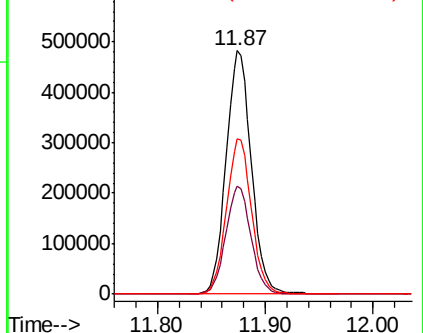
148 63.9 51.2 76.8

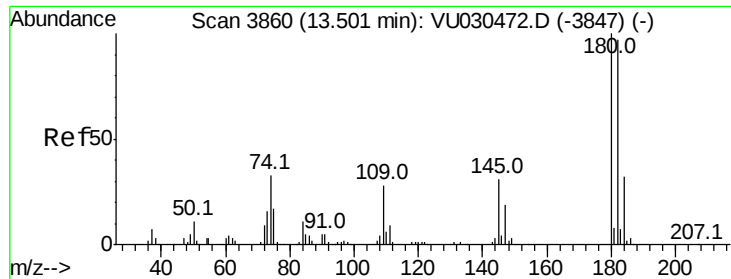


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

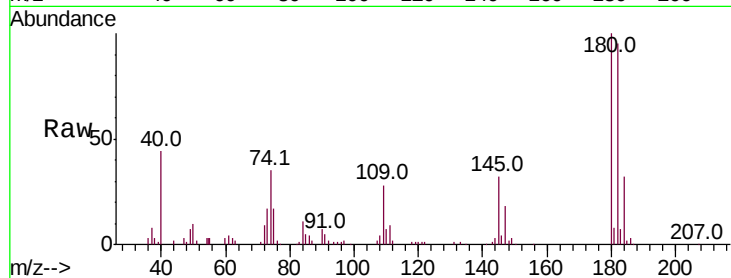




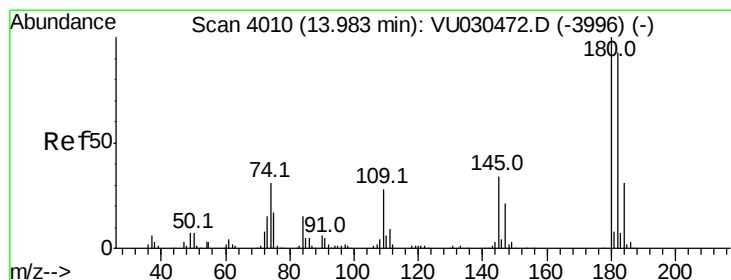
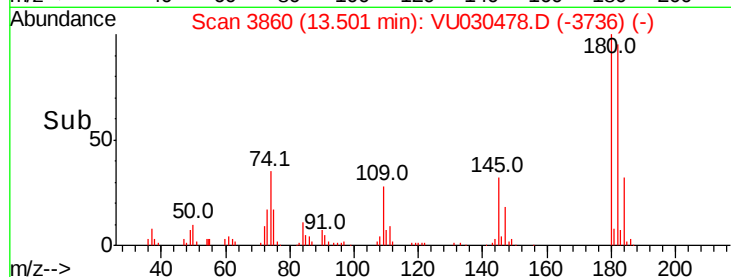
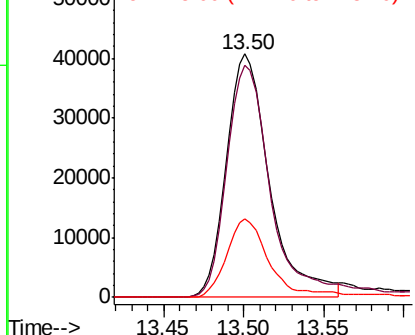
#68
1,2,4-trichlorobenzene
Concen: 20.421 ug/L
RT: 13.50 min Scan# 3860
Delta R.T. -0.00 min
Lab File: VU030478.D
Acq: 27 Mar 2019 13:09

Instrument :
MSVOA_U
ClientSampled :
C09F3

Tot Ion:180 Resp: 75229
Ion Ratio Lower Upper
180 100
182 99.0 76.1 114.1
145 30.6 24.5 36.7

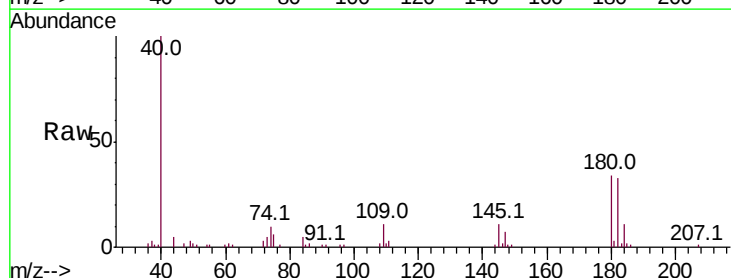


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#70
1,2,3-Trichlorobenzene
Concen: 3.328 ug/L
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU030478.D
Acq: 27 Mar 2019 13:09

Tgt Ion:180 Resp: 12946
Ion Ratio Lower Upper
180 100
182 100.6 77.4 116.2
145 34.9 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

