

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030477.D
 Acq On : 27 Mar 2019 12:45
 Operator : JC/SP
 Sample : K2022-17 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F2

Quant Time: Mar 28 02:06:34 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	434281	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	413791	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	173433	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	153671	43.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.94%
7) Chloroethane-d5	1.68	69	135583	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.88%
11) 1,1-Dichloroethene-d2	2.27	63	229465	34.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.22%
21) 2-Butanone-d5	4.17	46	335699	102.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.18%
24) Chloroform-d	4.64	84	299277	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.31	65	205193	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.14%
32) Benzene-d6	5.34	84	587171	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.96%
36) 1,2-Dichloropropane-d6	6.33	67	214068	52.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.46%
41) Toluene-d8	7.56	98	503161	47.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.42%
43) trans-1,3-Dichloropropene-	7.85	79	92201	48.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.60%
47) 2-Hexanone-d5	8.31	63	212718	96.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	292928	50.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.84%
64) 1,2-Dichlorobenzene-d4	11.85	152	183006	52.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.32%

Target Compounds

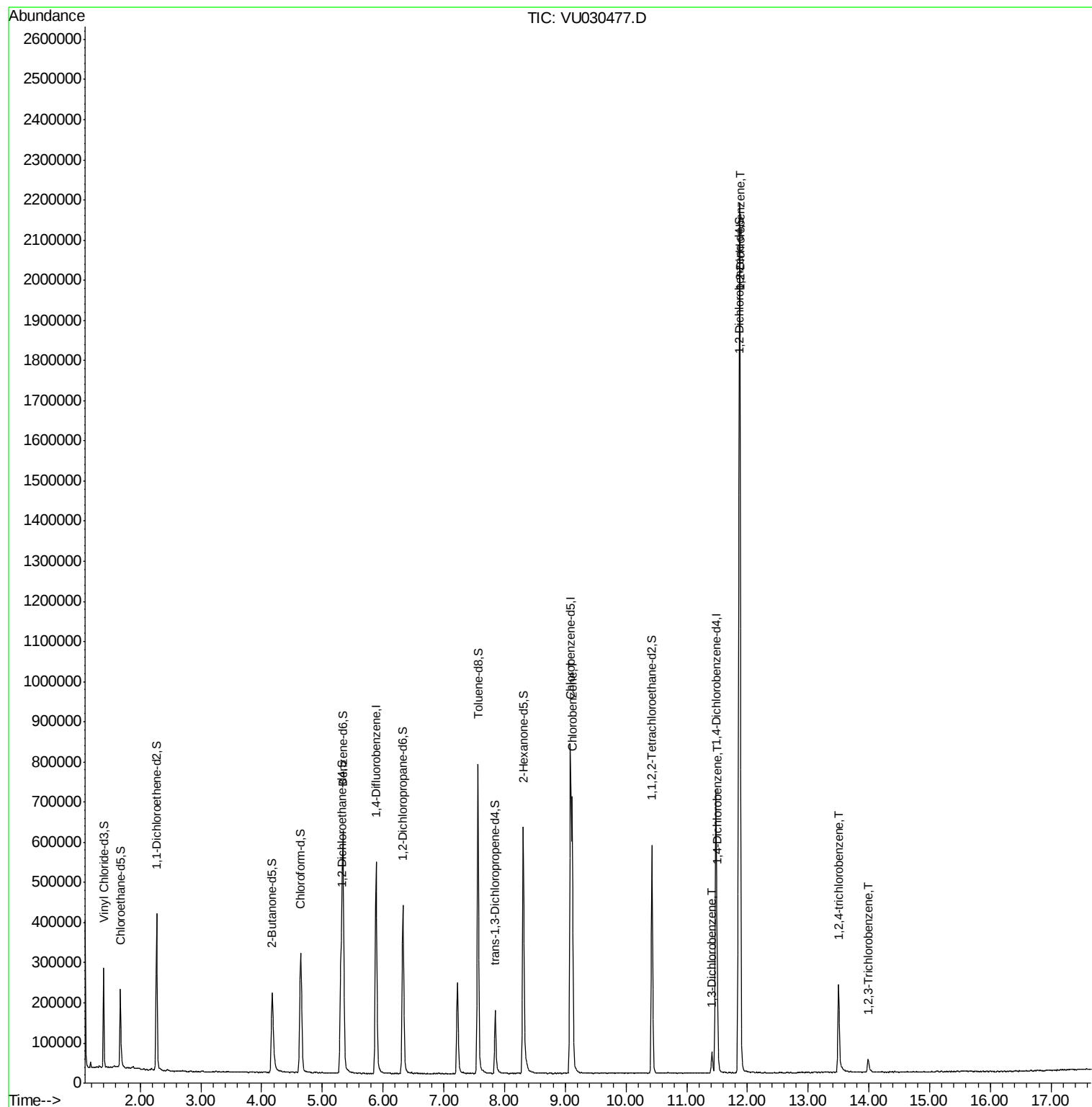
					Ovalue
51) Chlorobenzene	9.12	112	340084	38.385	ug/L 97
62) 1,3-Dichlorobenzene	11.42	146	20423	3.601	ug/L 95
63) 1,4-Dichlorobenzene	11.50	146	75336	12.902	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	776754	135.441	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	74971	20.322	ug/L 97
70) 1,2,3-Trichlorobenzene	13.99	180	12640	3.245	ug/L 95

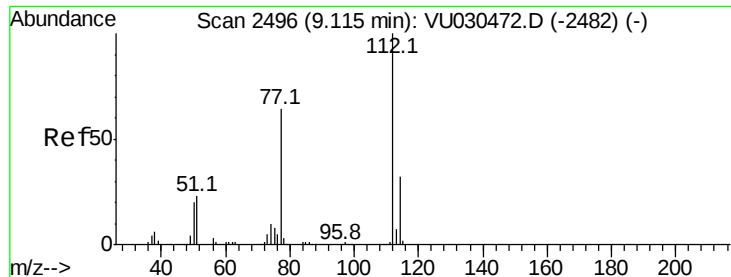
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#51

Chlorobenzene

Concen: 38.385 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030477.D

Acq: 27 Mar 2019 12:45

Instrument :

MSVOA_U

ClientSampled :

C09F2

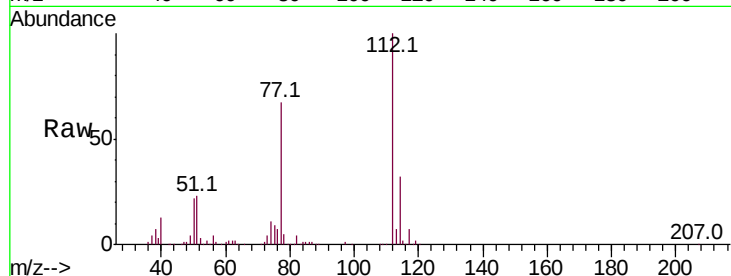
Tot Ion:112 Resp: 340084

Ion Ratio Lower Upper

112 100

114 31.9 21.5 39.9

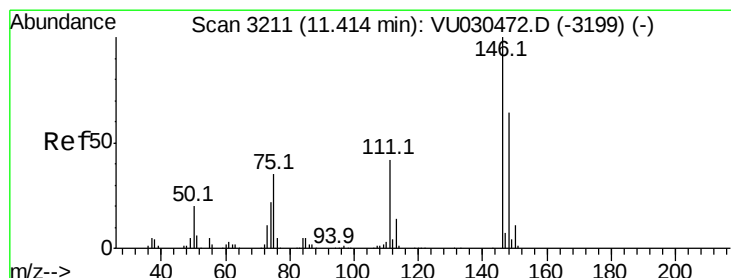
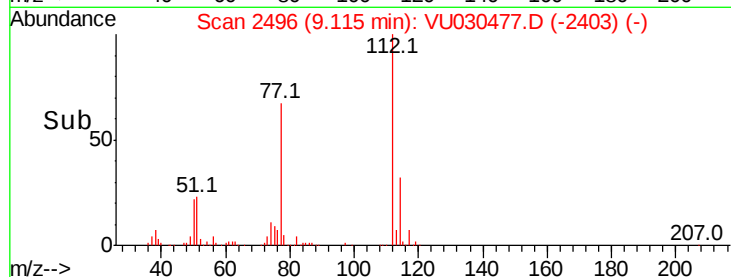
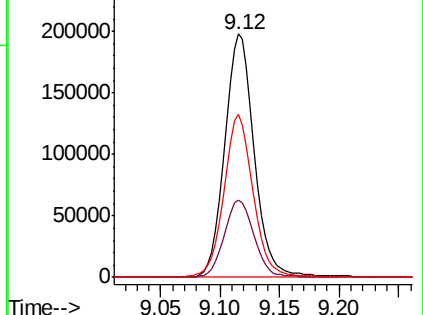
77 66.9 51.4 77.0



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: 3.601 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030477.D

Acq: 27 Mar 2019 12:45

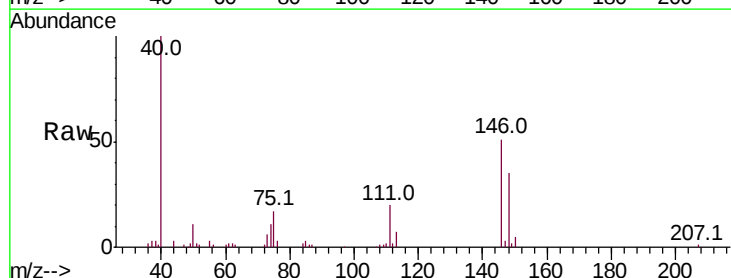
Tgt Ion:146 Resp: 20423

Ion Ratio Lower Upper

146 100

111 39.8 29.2 54.2

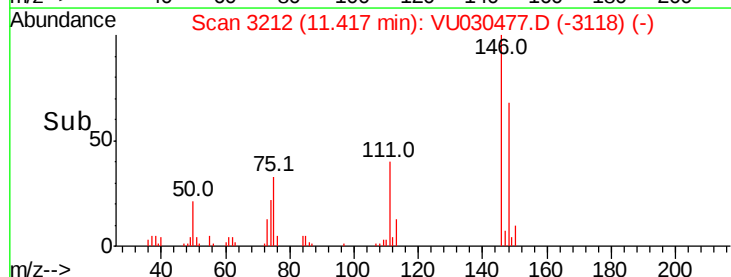
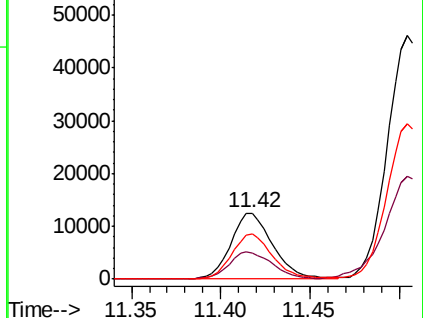
148 68.0 44.4 82.4

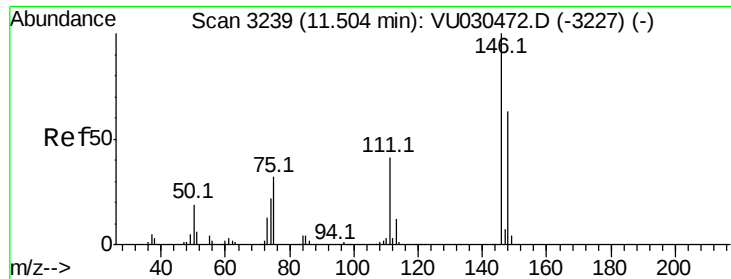


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

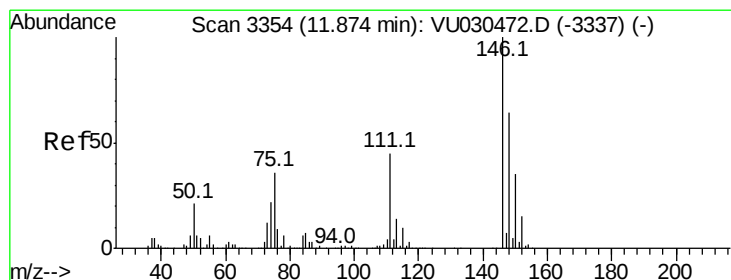
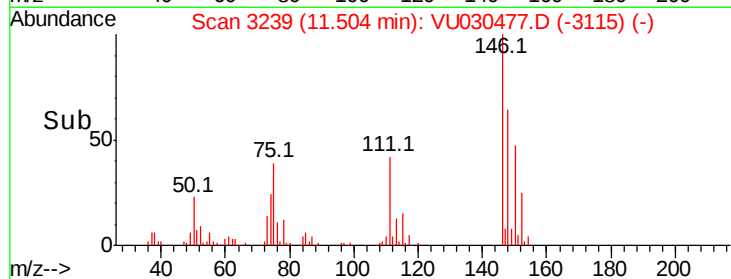
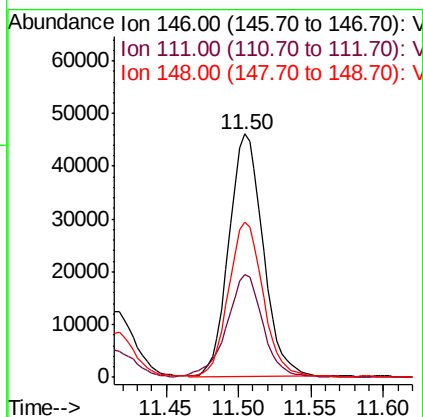
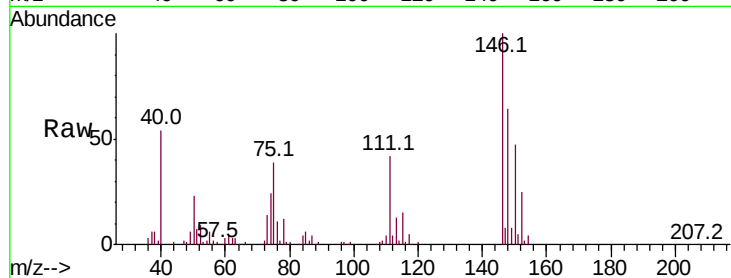




#63
 1,4-Dichlorobenzene
 Concen: 12.902 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030477.D
 Acq: 27 Mar 2019 12:45

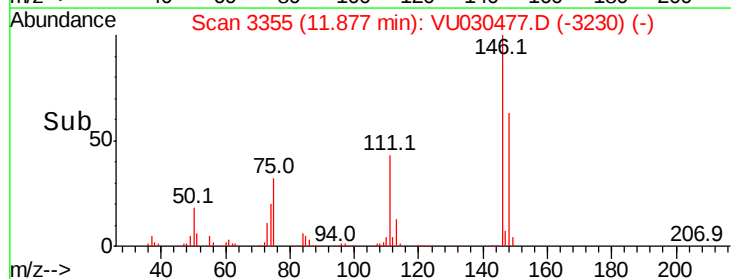
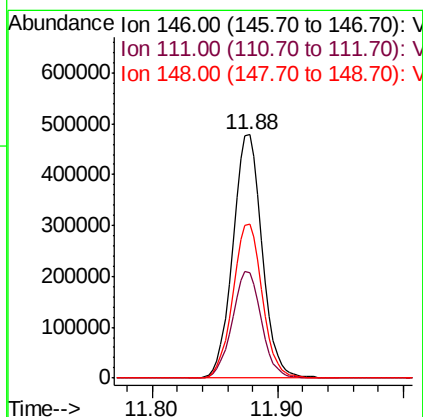
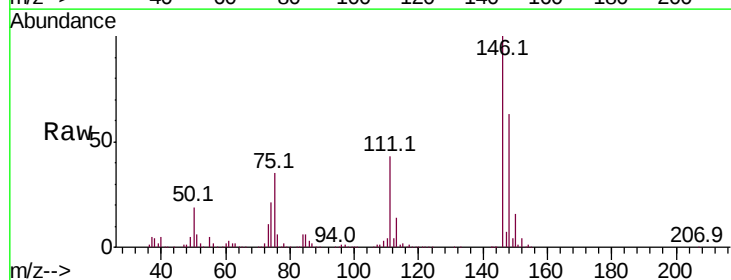
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 C09F2

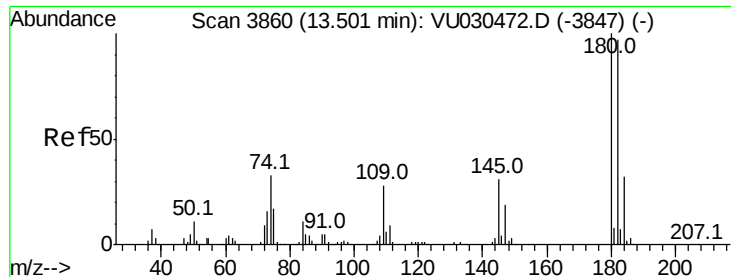
Tot Ion:146 Resp: 75336
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.7 53.3
 148 64.0 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 135.441 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030477.D
 Acq: 27 Mar 2019 12:45

Tgt Ion:146 Resp: 776754
 Ion Ratio Lower Upper
 146 100
 111 43.1 34.9 52.3
 148 63.5 51.2 76.8





#68

1,2,4-trichlorobenzene

Concen: 20.322 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. -0.00 min

Lab File: VU030477.D

Acq: 27 Mar 2019 12:45

Instrument :

MSVOA_U

ClientSampleId :

C09F2

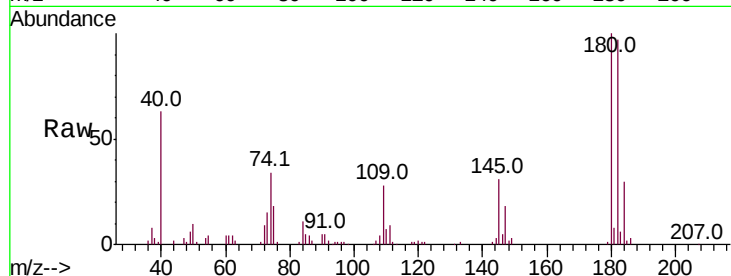
Tot Ion:180 Resp: 74971

Ion Ratio Lower Upper

180 100

182 92.3 76.1 114.1

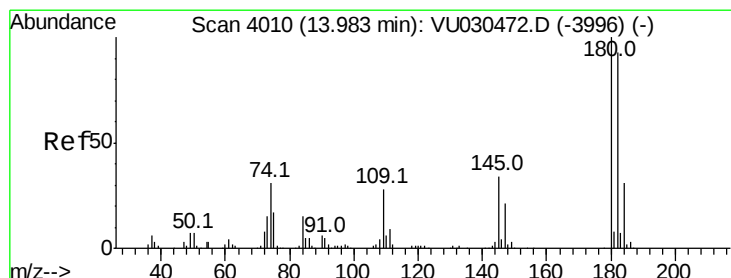
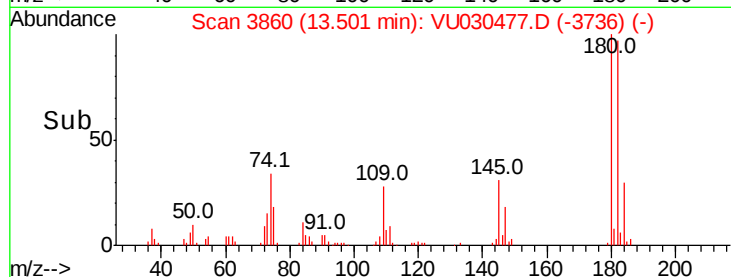
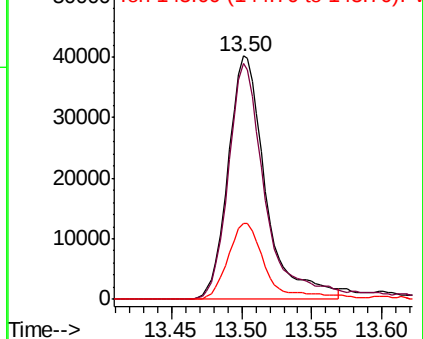
145 28.6 24.5 36.7



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: 3.245 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU030477.D

Acq: 27 Mar 2019 12:45

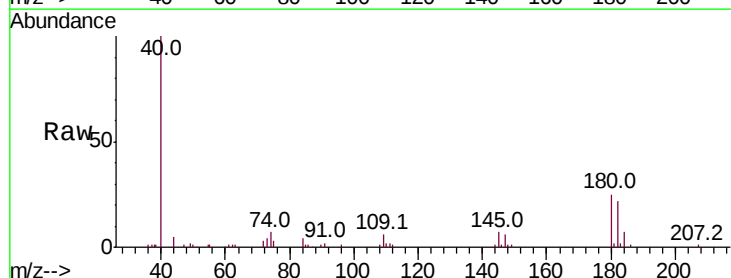
Tgt Ion:180 Resp: 12640

Ion Ratio Lower Upper

180 100

182 91.0 77.4 116.2

145 34.3 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

