

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030476.D
 Acq On : 27 Mar 2019 12:21
 Operator : JC/SP
 Sample : K2022-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F4

Quant Time: Mar 28 02:01:56 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	369987	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	348126	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	141362	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	163587	54.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.88%
7) Chloroethane-d5	1.68	69	140072	59.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.70%
11) 1,1-Dichloroethene-d2	2.27	63	237037	41.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.94%
21) 2-Butanone-d5	4.17	46	348273	124.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.42%
24) Chloroform-d	4.64	84	305451	59.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.08%
26) 1,2-Dichloroethane-d4	5.31	65	212055	63.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	126.34%#
32) Benzene-d6	5.34	84	612785	61.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.76%
36) 1,2-Dichloropropane-d6	6.33	67	224881	65.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	131.68%#
41) Toluene-d8	7.56	98	518360	57.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.62%
43) trans-1,3-Dichloropropene-	7.85	79	95501	59.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	118.92%
47) 2-Hexanone-d5	8.31	63	216420	116.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	300087	61.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	122.80%#
64) 1,2-Dichlorobenzene-d4	11.86	152	181990	64.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	128.50%#

Target Compounds

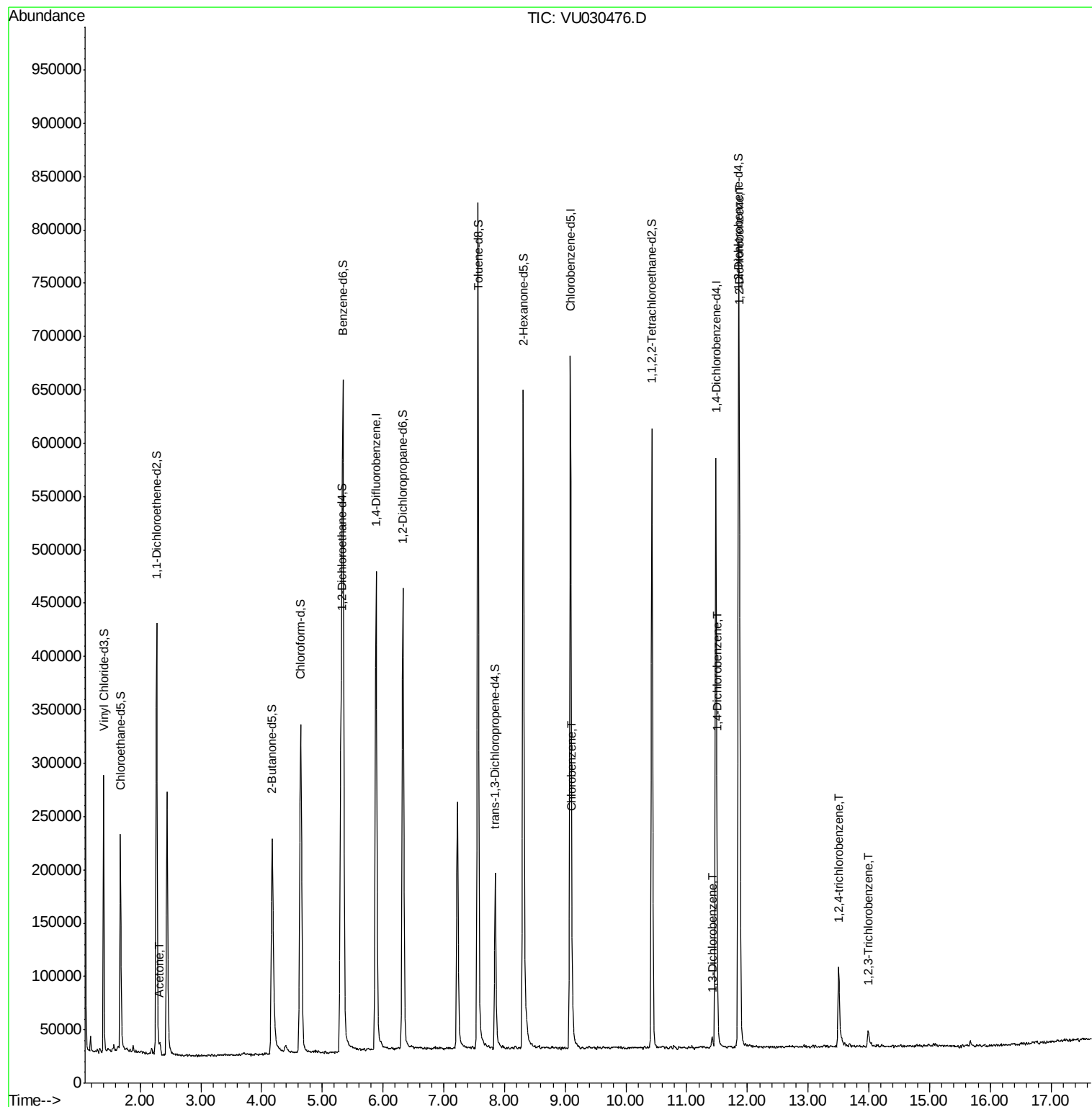
					Ovalue
13) Acetone	2.32	43	8667	3.062	ug/L 96
51) Chlorobenzene	9.12	112	21291	2.856	ug/L 94
62) 1,3-Dichlorobenzene	11.42	146	4353	0.942	ug/L 95
63) 1,4-Dichlorobenzene	11.50	146	15703	3.300	ug/L 95
65) 1,2-Dichlorobenzene	11.87	146	89265	19.096	ug/L 97
68) 1,2,4-trichlorobenzene	13.50	180	29206	9.713	ug/L 92
70) 1,2,3-Trichlorobenzene	13.99	180	5709	1.798	ug/L # 81

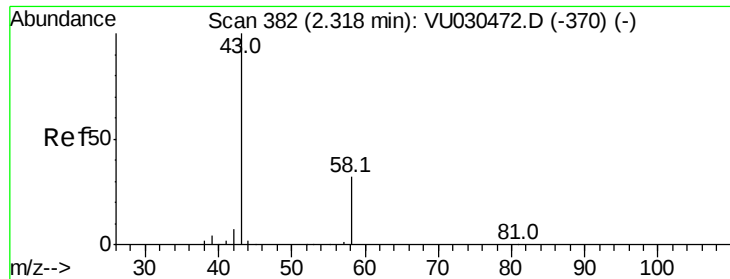
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 3.062 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

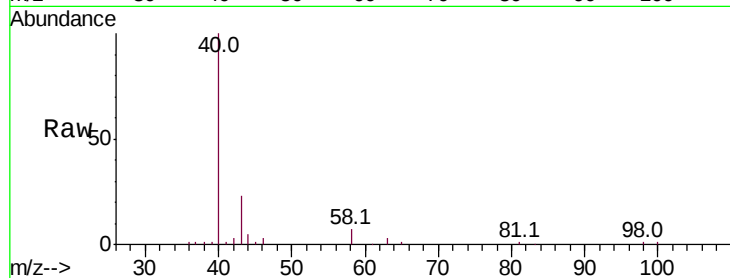
C09F4

Tot Ion: 43 Resp: 8667

Ion Ratio Lower Upper

43 100

58 33.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030472.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU030472.D (-370) (-)

2.32

6000

5000

4000

3000

2000

1000

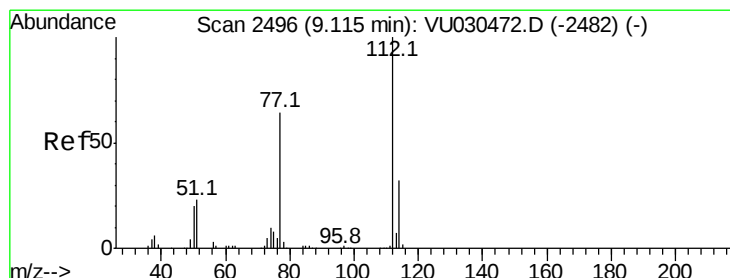
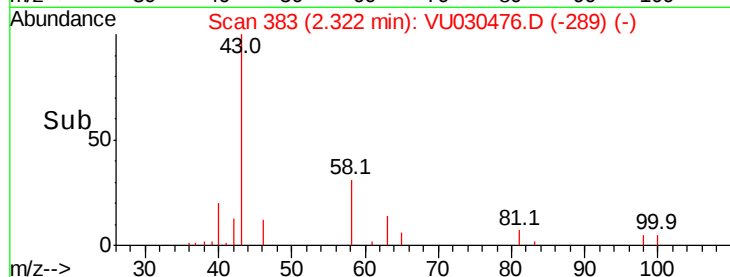
0

Time-->

2.25

2.30

2.35



#51

Chlorobenzene

Concen: 2.856 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

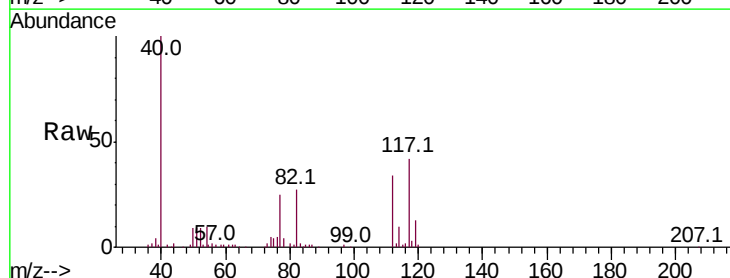
Tgt Ion: 112 Resp: 21291

Ion Ratio Lower Upper

112 100

114 30.4 21.5 39.9

77 71.4 51.4 77.0



Abundance Ion 112.00 (111.70 to 112.70): VU030472.D (-2482) (-)

Ion 114.00 (113.70 to 114.70): VU030472.D (-2482) (-)

Ion 77.00 (76.70 to 77.70): VU030472.D (-2482) (-)

9.12

15000

10000

5000

0

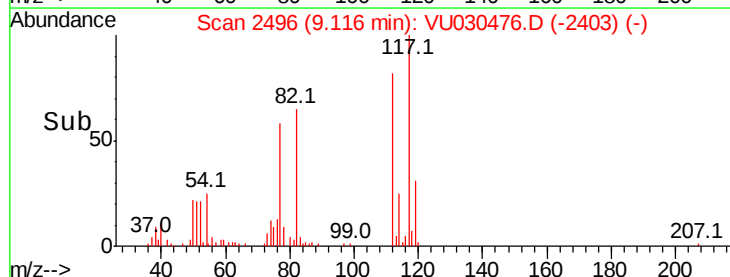
Time-->

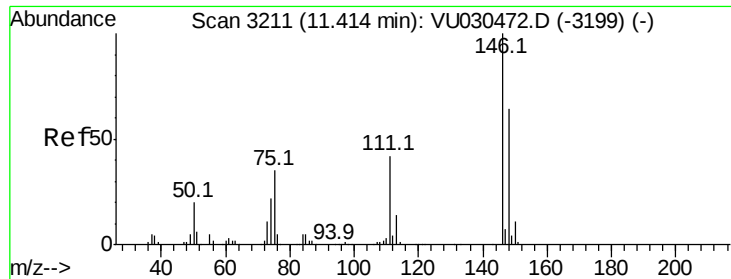
9.05

9.10

9.15

9.20





#62

1,3-Dichlorobenzene

Concen: 0.942 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

C09F4

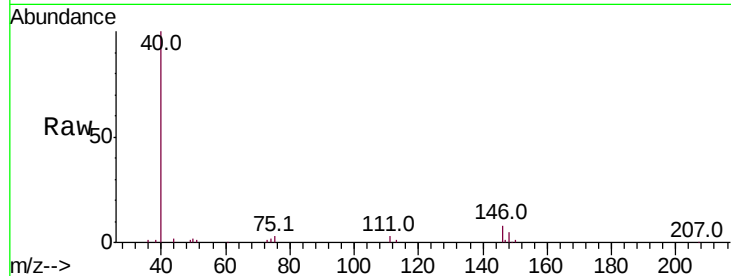
Tot Ion:146 Resp: 4353

Ion Ratio Lower Upper

146 100

111 34.8 29.2 54.2

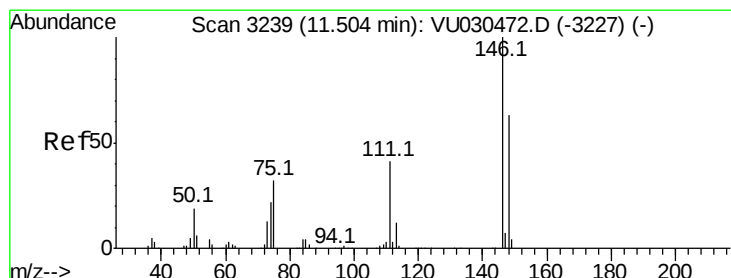
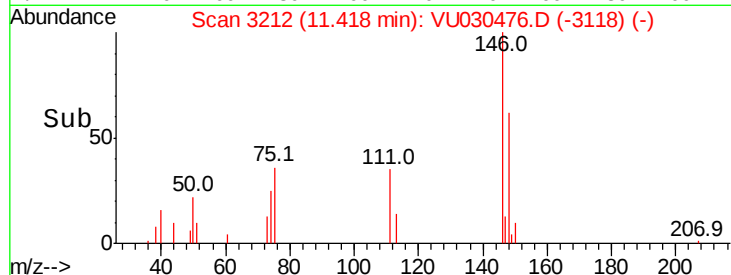
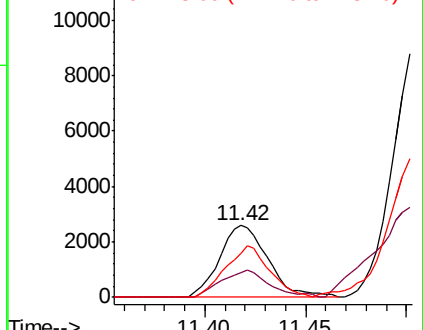
148 61.9 44.4 82.4



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: 3.300 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

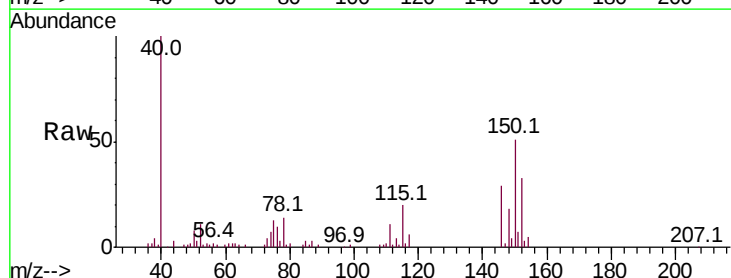
Tgt Ion:146 Resp: 15703

Ion Ratio Lower Upper

146 100

111 37.6 28.7 53.3

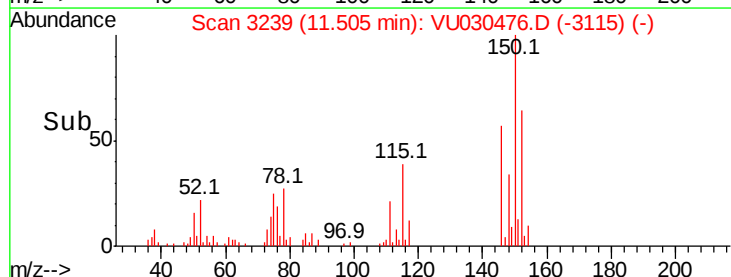
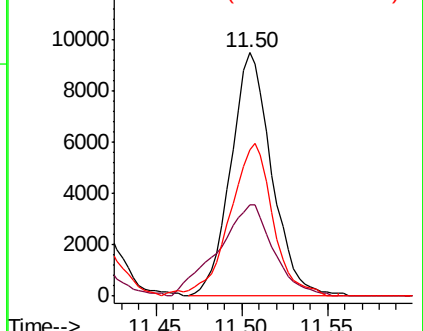
148 59.9 44.3 82.3

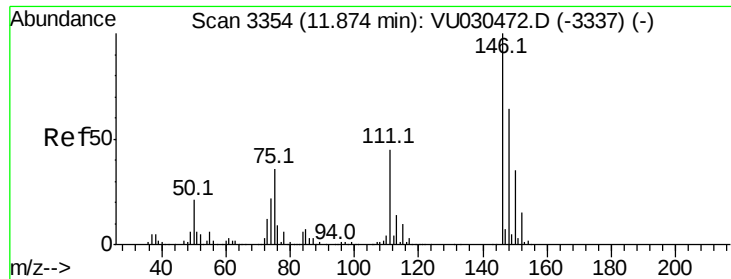


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 19.096 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

C09F4

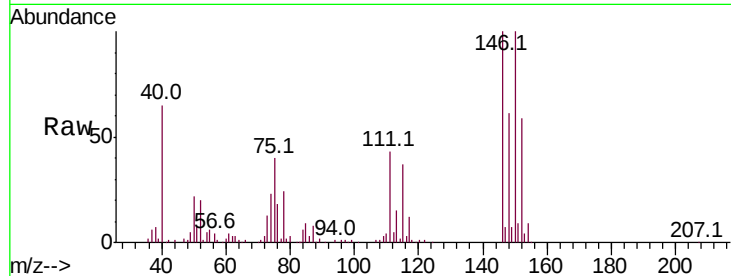
Tot Ion:146 Resp: 89265

Ion Ratio Lower Upper

146 100

111 43.0 34.9 52.3

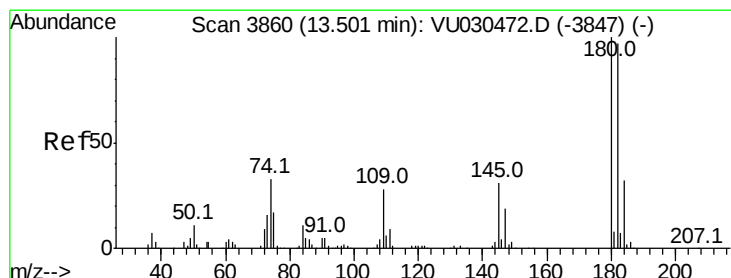
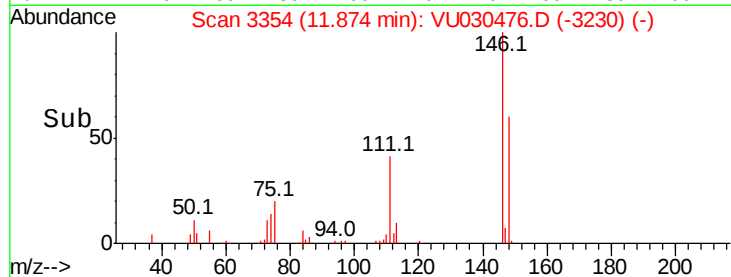
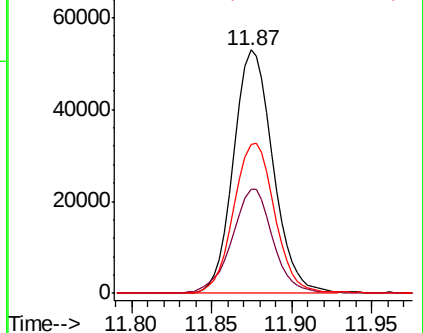
148 61.0 51.2 76.8



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: 9.713 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

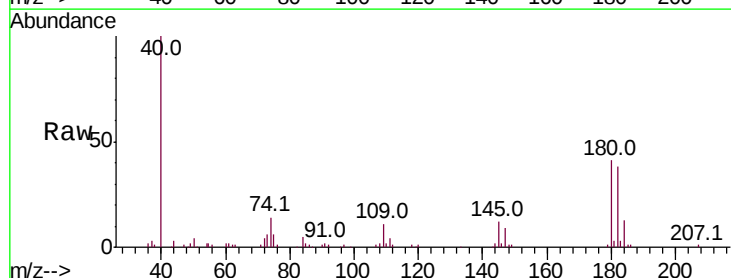
Tgt Ion:180 Resp: 29206

Ion Ratio Lower Upper

180 100

182 86.7 76.1 114.1

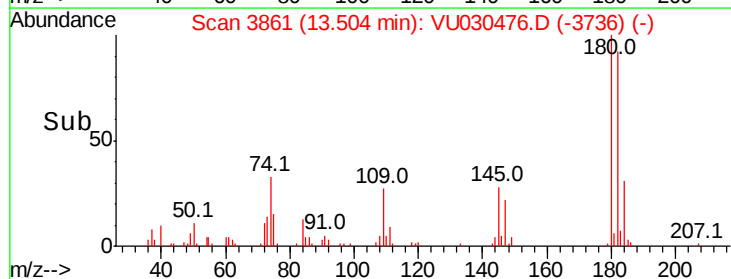
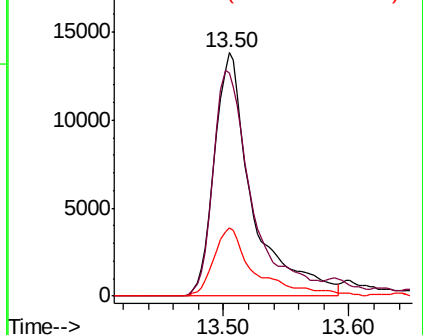
145 27.4 24.5 36.7

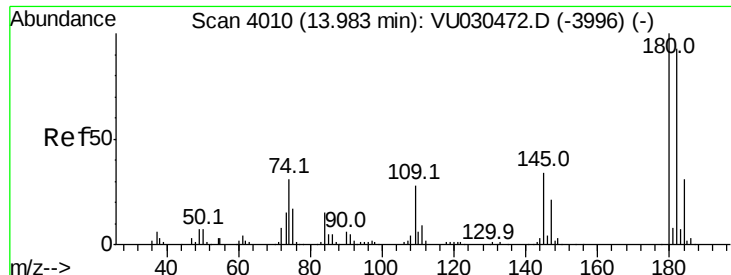


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

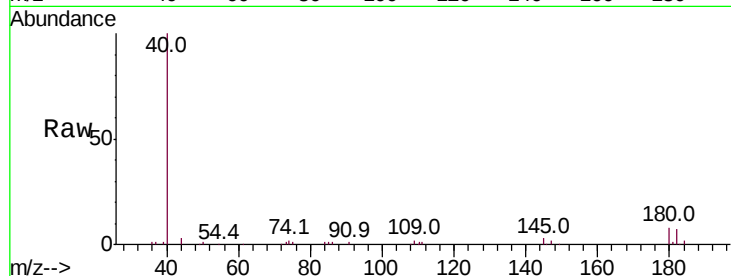




#70
 1,2,3-Trichlorobenzene
 Concen: 1.798 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030476.D
 Acq: 27 Mar 2019 12:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F4

Tot Ion:180 Resp: 5709
 Ion Ratio Lower Upper
 180 100
 182 119.9 77.4 116.2#
 145 35.3 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

