

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
 Data File : VU037066.D
 Acq On : 05 Mar 2020 02:49
 Operator : JC/MD
 Sample : L1780-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DH8

Quant Time: Mar 05 04:30:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 02:52:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	270155	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	251231	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	90935	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95382	42.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.08%
7) Chloroethane-d5	1.92	69	92644	49.35	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.70%
11) 1,1-Dichloroethene-d2	2.59	63	123104	32.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.80%
21) 2-Butanone-d5	4.67	46	157906	103.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.76%
24) Chloroform-d	5.10	84	167005	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
26) 1,2-Dichloroethane-d4	5.74	65	115772	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
32) Benzene-d6	5.76	84	362180	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.70%
36) 1,2-Dichloropropane-d6	6.72	67	120422	51.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.32%
41) Toluene-d8	7.92	98	320973	47.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.24%
43) trans-1,3-Dichloropropene-	8.20	79	49775	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.02%
47) 2-Hexanone-d5	8.66	63	112530	97.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.78%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	169589	51.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	93268	52.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.94%

Target Compounds

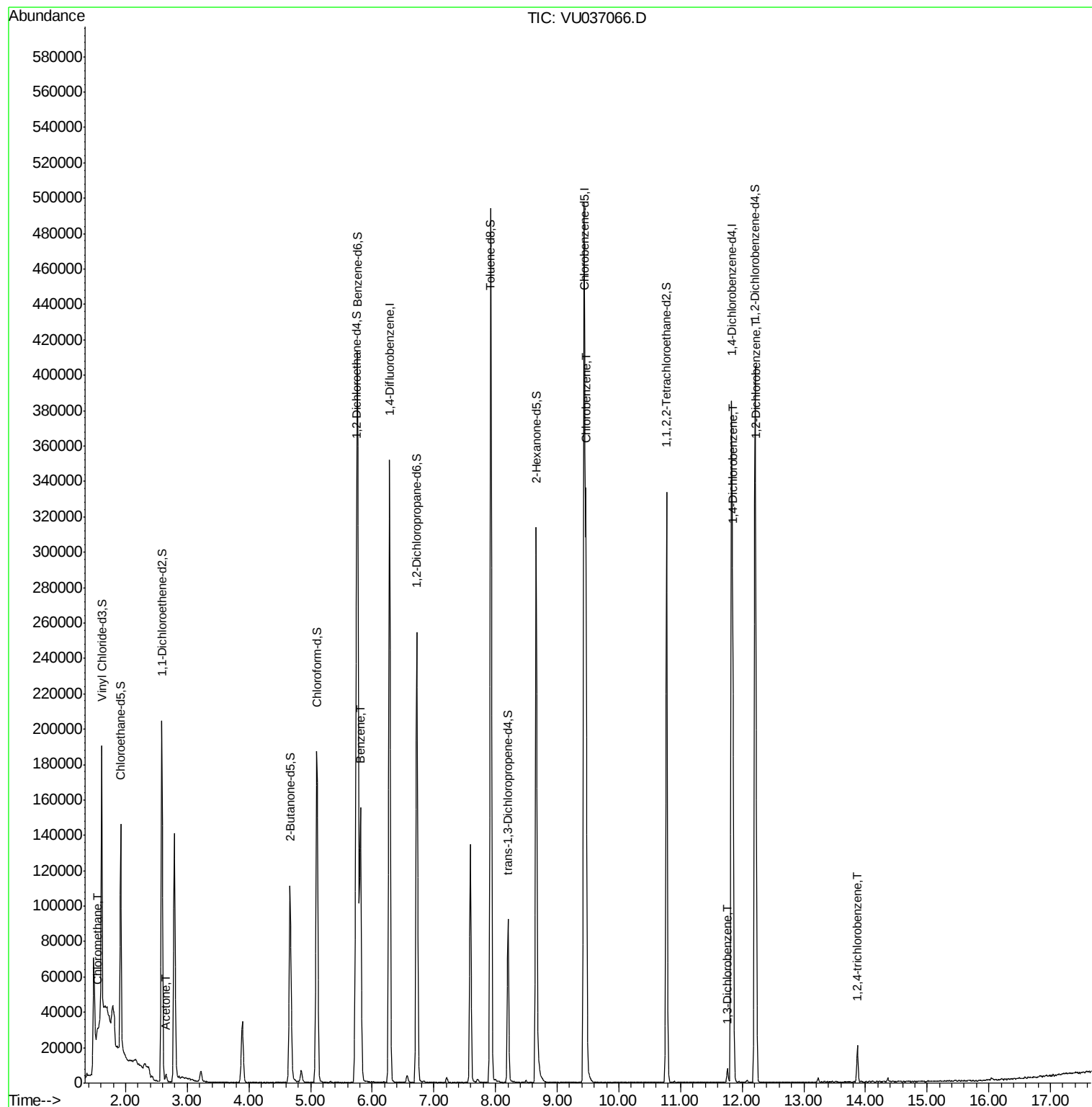
					Ovalue
3) Chloromethane	1.53	50	2781	1.055 ug/L	96
13) Acetone	2.65	43	4072	2.601 ug/L	99
33) Benzene	5.81	78	142658	17.974 ug/L	100
51) Chlorobenzene	9.47	112	163792	32.692 ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	3331	1.129 ug/L	90
63) 1,4-Dichlorobenzene	11.85	146	81124	27.835 ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	44120	14.979 ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	6029	4.298 ug/L	98

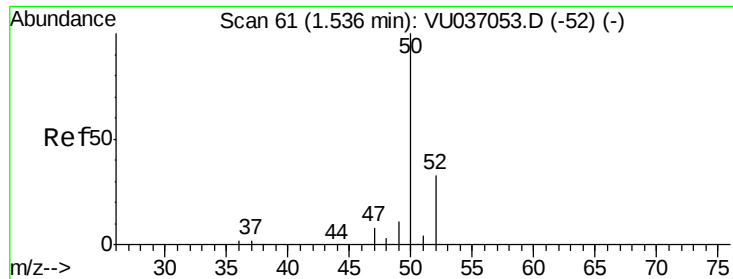
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.055 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

Instrument :

MSVOA_U

ClientSampled :

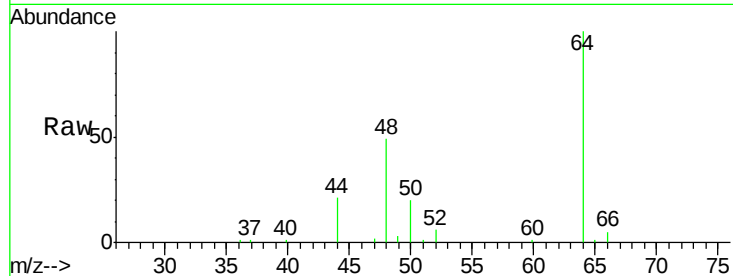
C0DH8

Tot Ion: 50 Resp: 2781

Ion Ratio Lower Upper

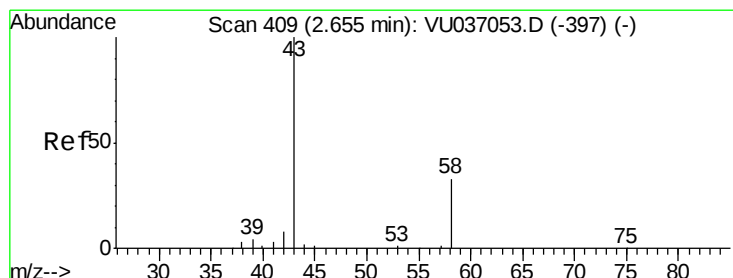
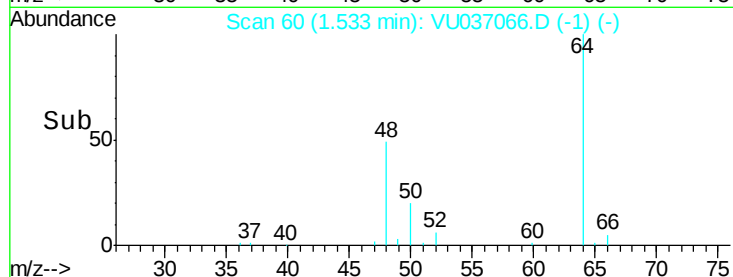
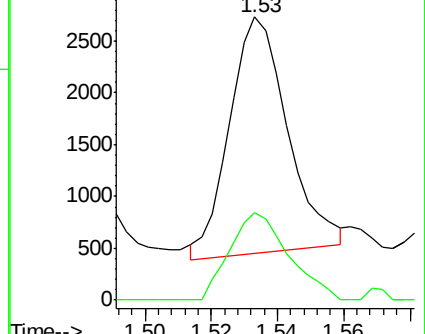
50 100

52 30.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#13

Acetone

Concen: 2.601 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037066.D

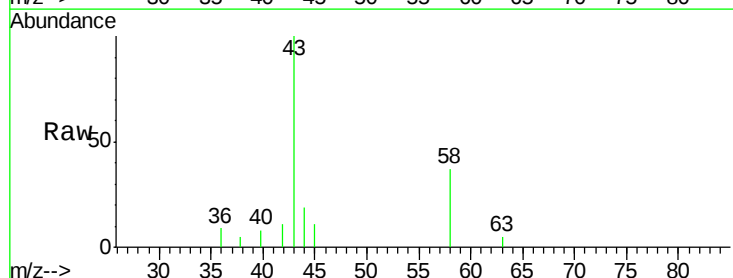
Acq: 05 Mar 2020 02:49

Tgt Ion: 43 Resp: 4072

Ion Ratio Lower Upper

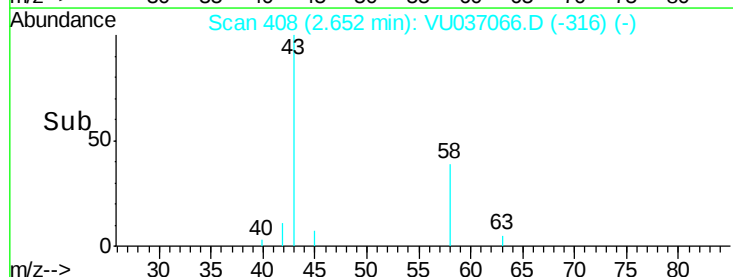
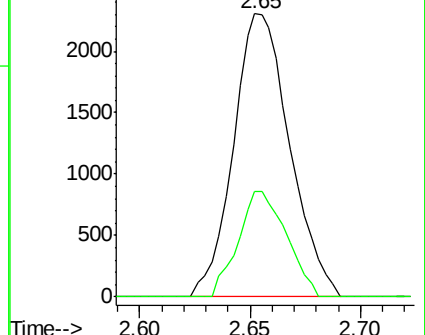
43 100

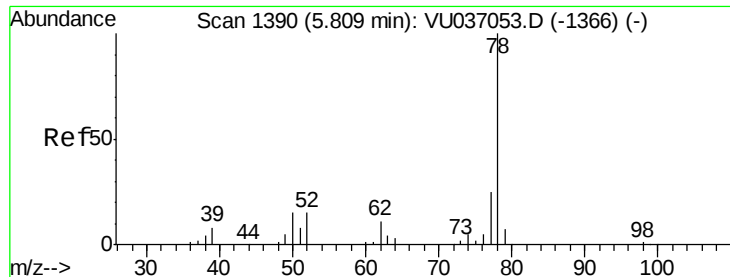
58 31.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#33

Benzene

Concen: 17.974 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

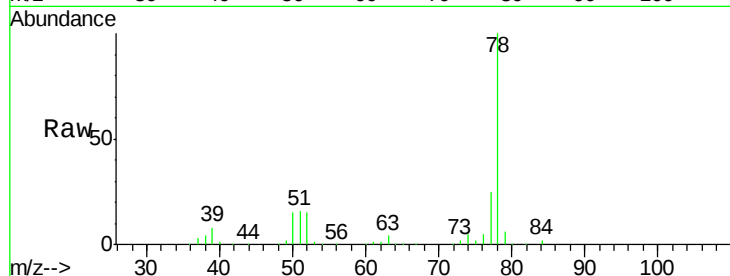
Instrument :

MSVOA_U

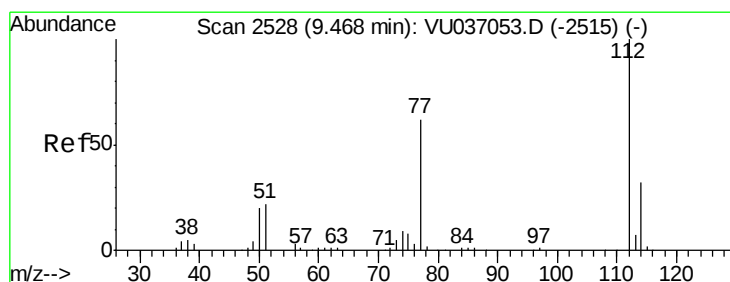
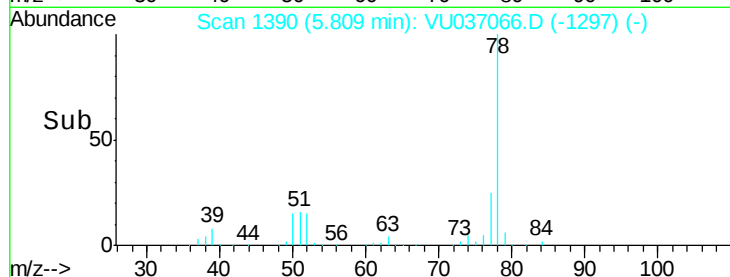
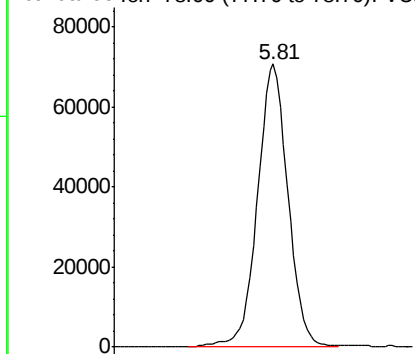
ClientSampleId :

C0DH8

Tgt Ion: 78 Resp: 142658



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 32.692 ug/L

RT: 9.47 min Scan# 2528

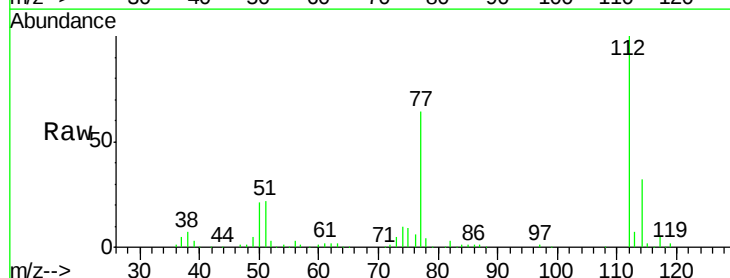
Delta R.T. 0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

Tgt Ion: 112 Resp: 163792

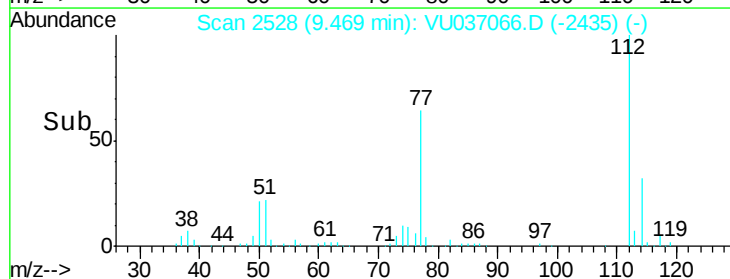
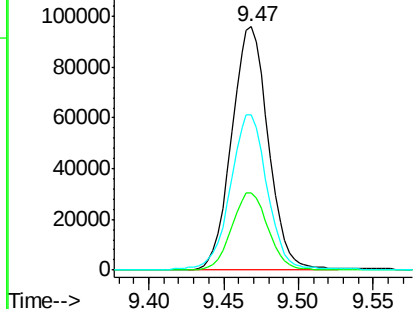
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	63.7	50.1	75.1

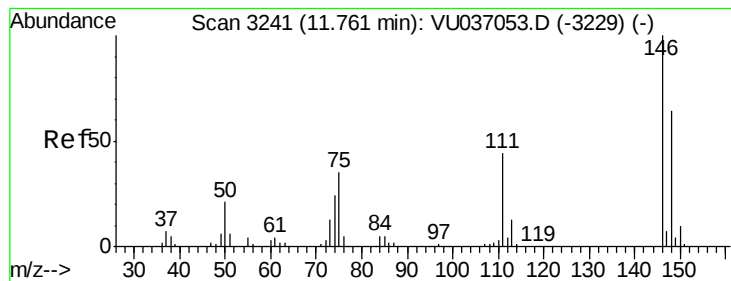


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 1.129 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

Instrument :

MSVOA_U

ClientSampleId :

C0DH8

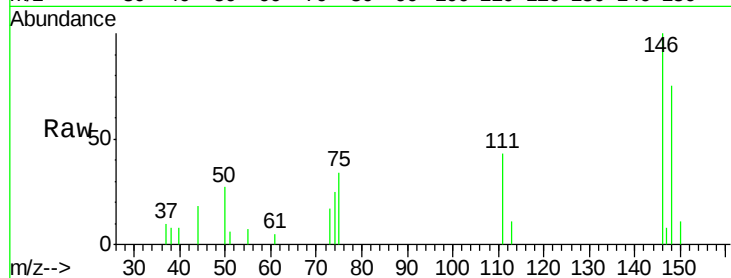
Tot Ion:146 Resp: 3331

Ion Ratio Lower Upper

146 100

111 42.5 30.7 56.9

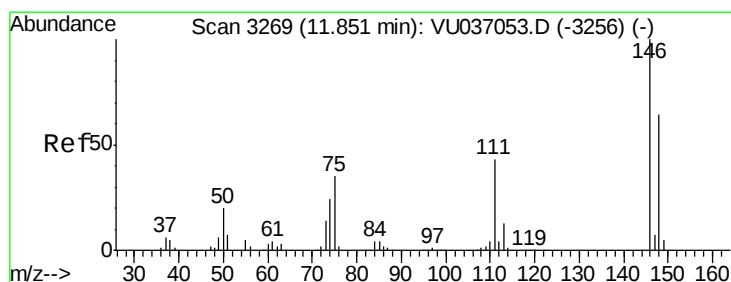
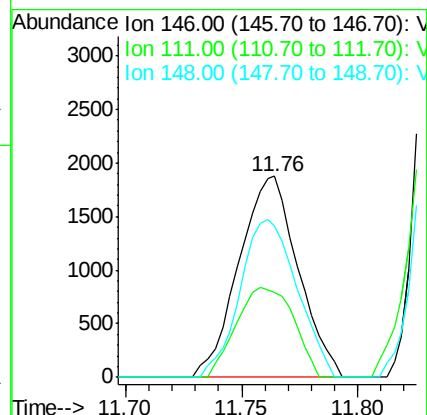
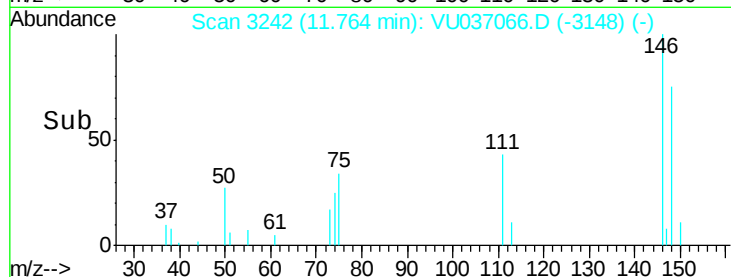
148 75.4 44.2 82.2



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: 27.835 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

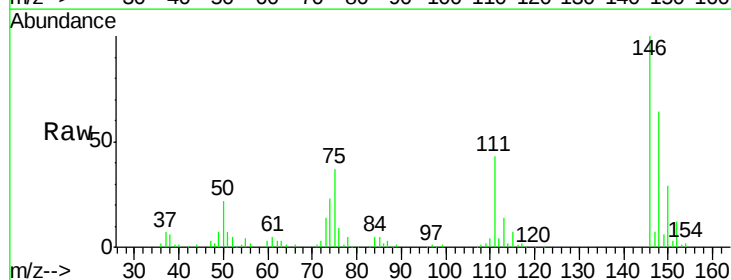
Tgt Ion:146 Resp: 81124

Ion Ratio Lower Upper

146 100

111 42.5 29.8 55.4

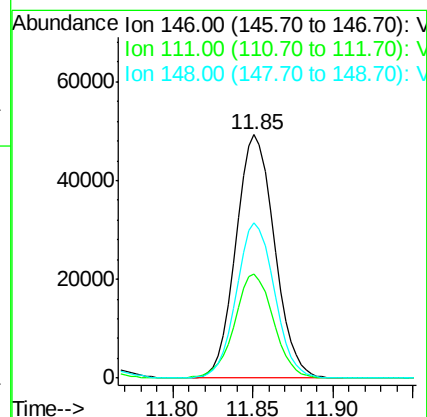
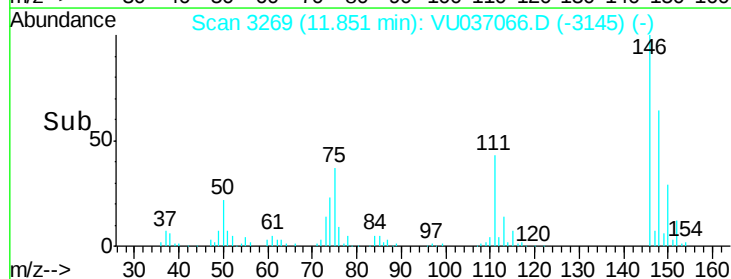
148 63.8 45.1 83.9

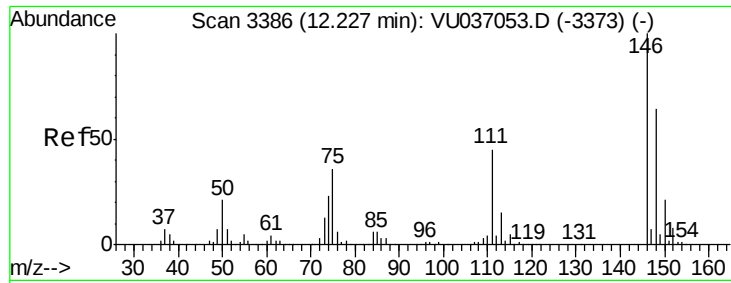


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 14.979 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

Instrument :

MSVOA_U

ClientSampleId :

C0DH8

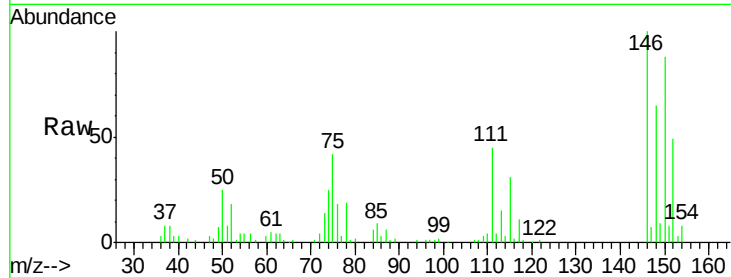
Tot Ion:146 Resp: 44120

Ion Ratio Lower Upper

146 100

111 45.4 35.4 53.0

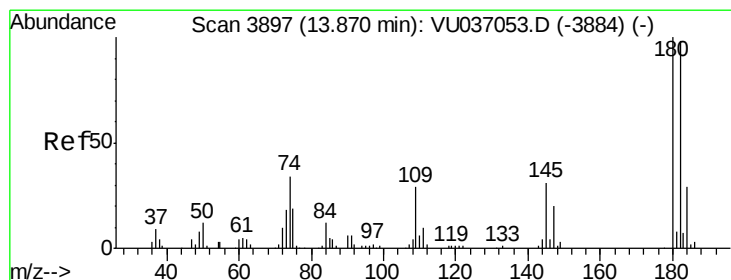
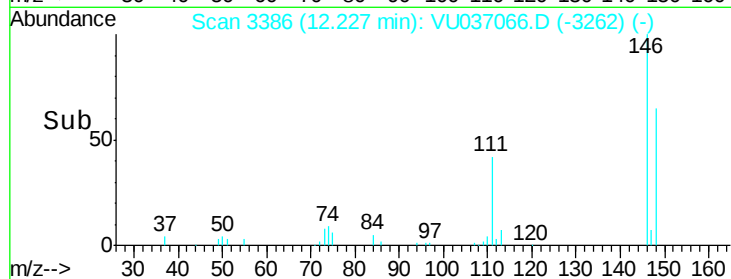
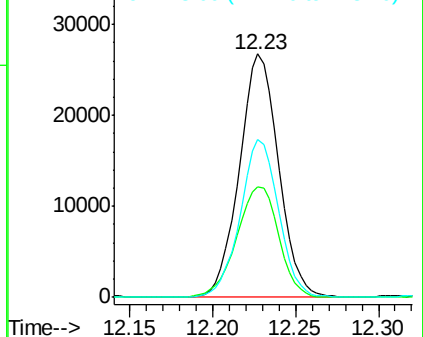
148 64.8 50.5 75.7



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: 4.298 ug/L

RT: 13.87 min Scan# 3897

Delta R.T. 0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

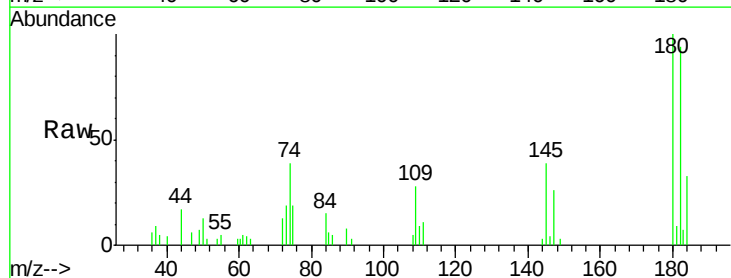
Tgt Ion:180 Resp: 6029

Ion Ratio Lower Upper

180 100

182 96.3 75.3 112.9

145 31.1 26.2 39.4



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

