

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037829.D
 Acq On : 21 Apr 2020 16:59
 Operator : JC/MD
 Sample : L2317-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0F09

Quant Time: Apr 22 03:03:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 22 02:16:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	498346	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	480769	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	241964	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	200709	45.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.12%
7) Chloroethane-d5	1.93	69	169072	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.04%
11) 1,1-Dichloroethene-d2	2.59	63	262906	34.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.82%
21) 2-Butanone-d5	4.66	46	359980	99.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.00%
24) Chloroform-d	5.10	84	337062	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
26) 1,2-Dichloroethane-d4	5.74	65	240402	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.04%
32) Benzene-d6	5.76	84	726314	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
36) 1,2-Dichloropropane-d6	6.72	67	242822	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.90%
41) Toluene-d8	7.92	98	654406	48.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.04%
43) trans-1,3-Dichloropropene-	8.20	79	119796	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
47) 2-Hexanone-d5	8.65	63	260378	99.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.42%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	330789	47.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.94%
64) 1,2-Dichlorobenzene-d4	12.20	152	246467	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

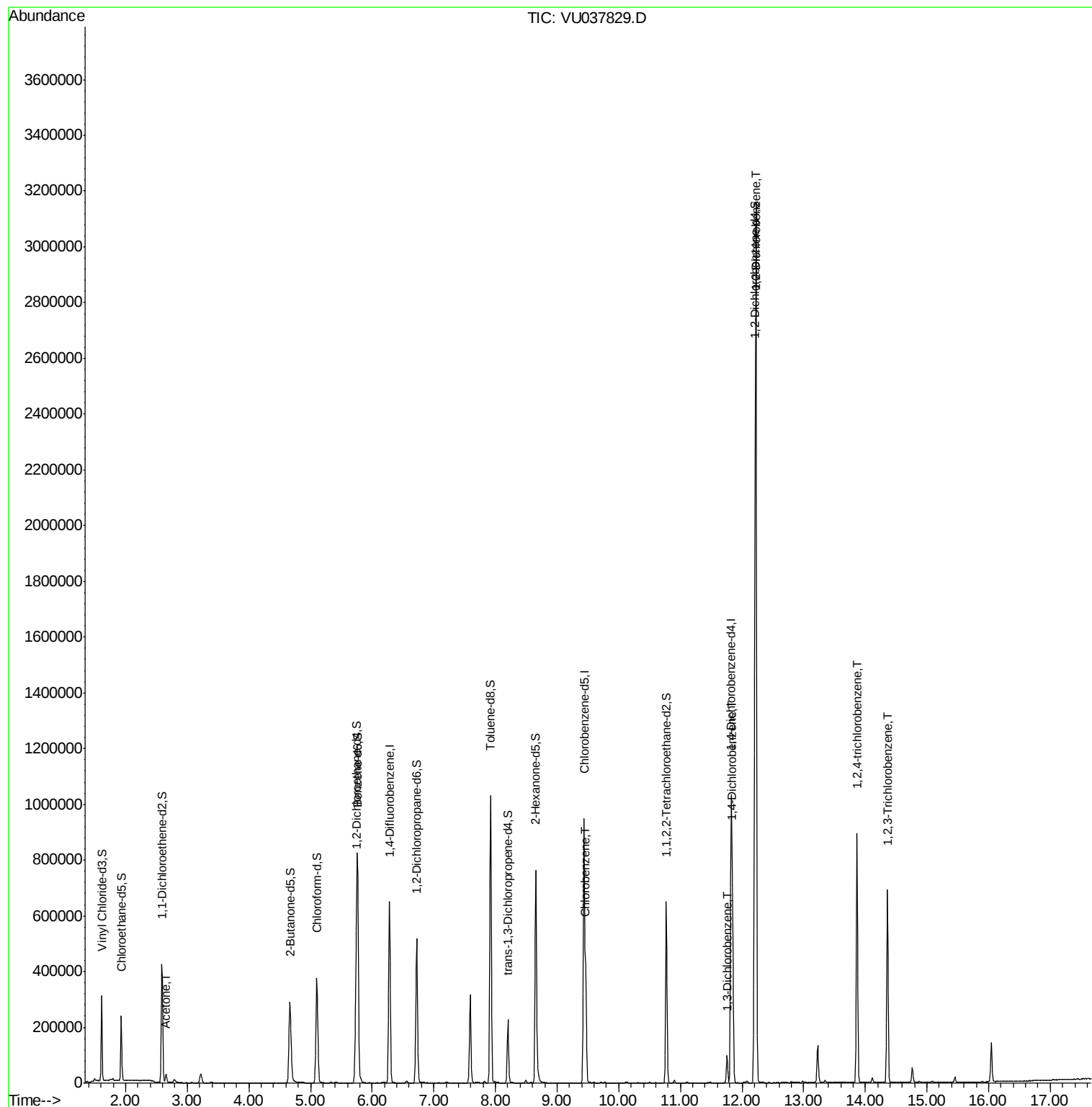
					Ovalue
13) Acetone	2.66	43	33466	13.837	ug/L 99
51) Chlorobenzene	9.47	112	190197	18.251	ug/L 97
62) 1,3-Dichlorobenzene	11.76	146	36018	4.401	ug/L 96
63) 1,4-Dichlorobenzene	11.85	146	226343	27.391	ug/L 99
65) 1,2-Dichlorobenzene	12.22	146	1106760	137.078	ug/L 99
68) 1,2,4-trichlorobenzene	13.86	180	261205	46.216	ug/L 100
70) 1,2,3-Trichlorobenzene	14.36	180	199421	35.458	ug/L 100

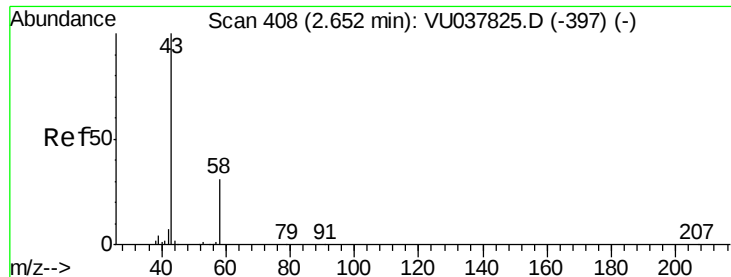
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Apr 22 02:16:18 2020
Response via : Initial Calibration





#13

Acetone

Concen: 13.837 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037829.D

Acq: 21 Apr 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

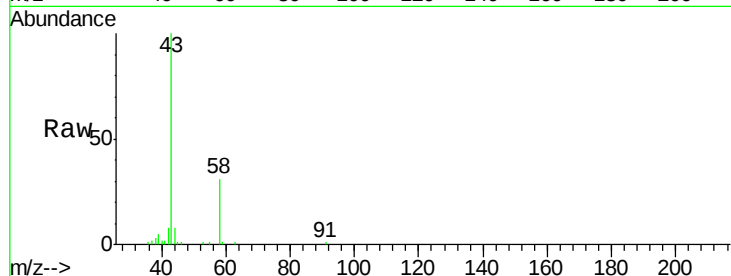
C0F09

Tot Ion: 43 Resp: 33466

Ion Ratio Lower Upper

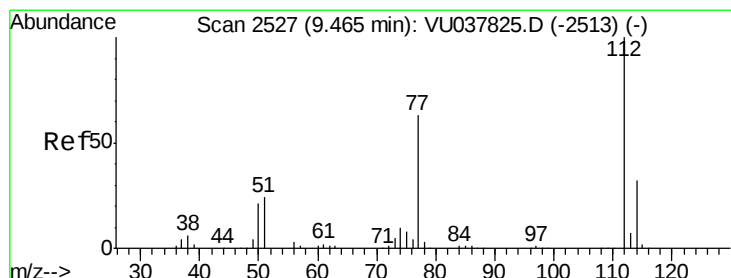
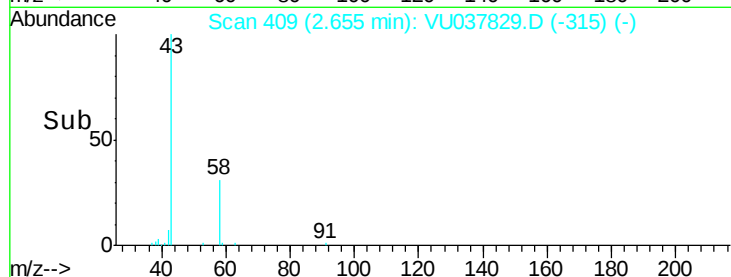
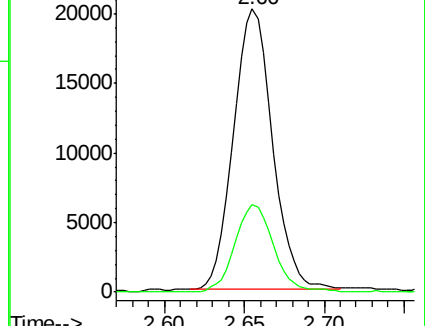
43 100

58 31.0 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU037829.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VU037829.D (-315) (-)



#51

Chlorobenzene

Concen: 18.251 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU037829.D

Acq: 21 Apr 2020 16:59

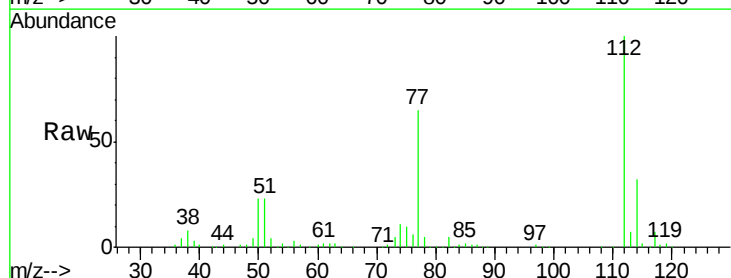
Tgt Ion: 112 Resp: 190197

Ion Ratio Lower Upper

112 100

114 32.1 22.4 41.6

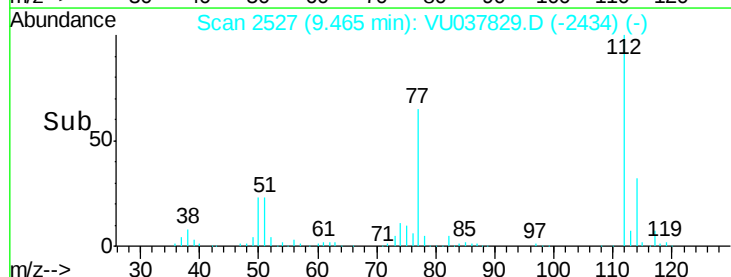
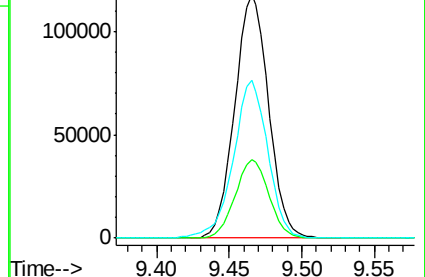
77 64.8 49.1 73.7

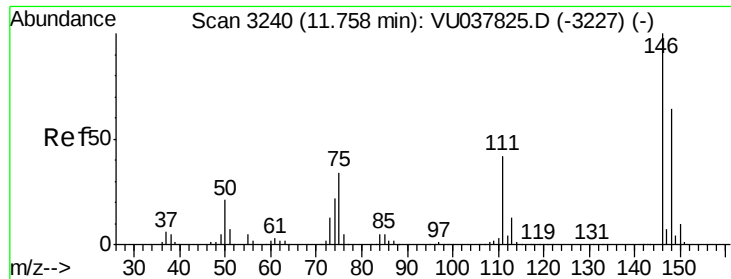


Abundance Ion 112.00 (111.70 to 112.70): VU037829.D (-2434) (-)

Ion 114.00 (113.70 to 114.70): VU037829.D (-2434) (-)

Ion 77.00 (76.70 to 77.70): VU037829.D (-2434) (-)

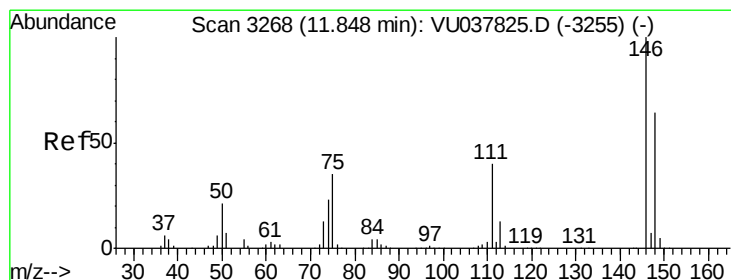
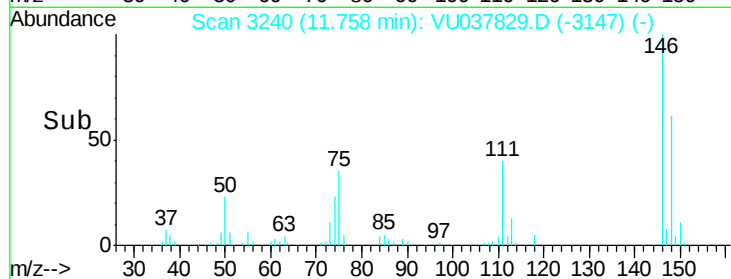
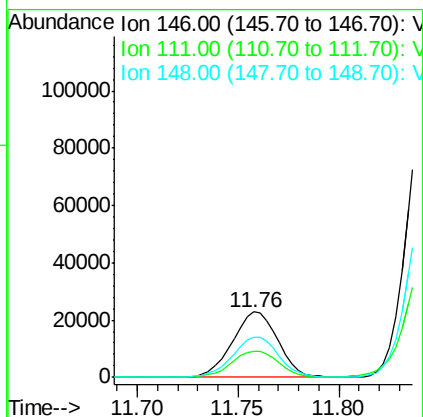
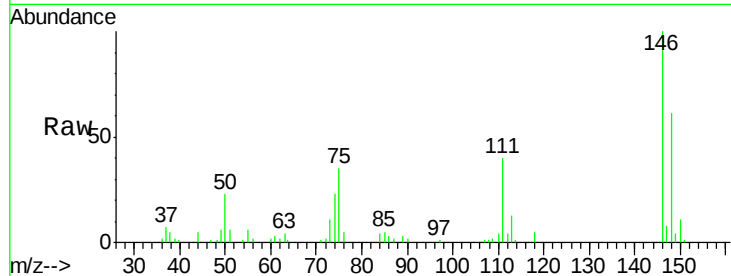




#62
 1,3-Dichlorobenzene
 Concen: 4.401 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU037829.D
 Acq: 21 Apr 2020 16:59

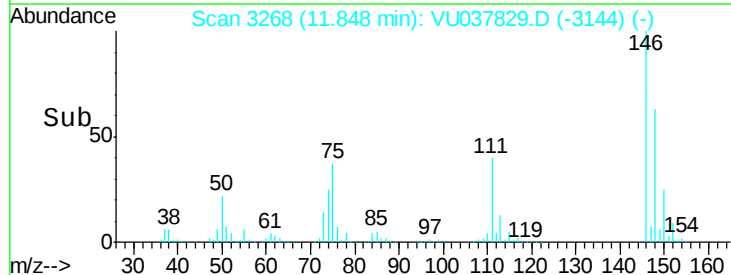
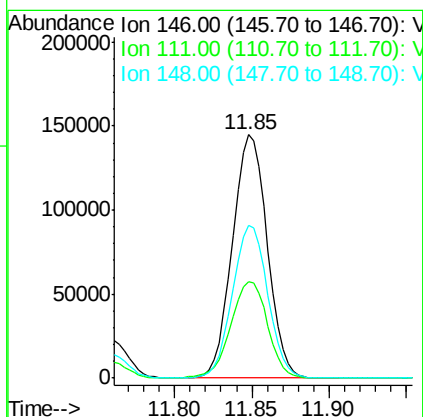
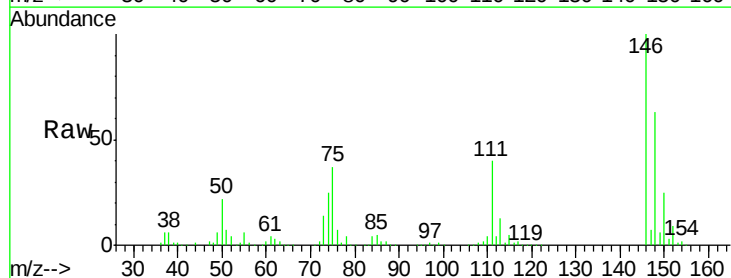
Instrument :
 MSVOA_U
 ClientSampled :
 C0F09

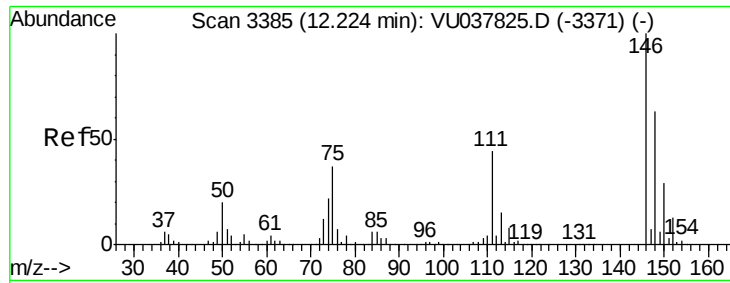
Tot Ion:146 Resp: 36018
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.9 53.7
 148 61.1 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 27.391 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU037829.D
 Acq: 21 Apr 2020 16:59

Tgt Ion:146 Resp: 226343
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.6 53.2
 148 62.8 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 137.078 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037829.D

Acq: 21 Apr 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

C0F09

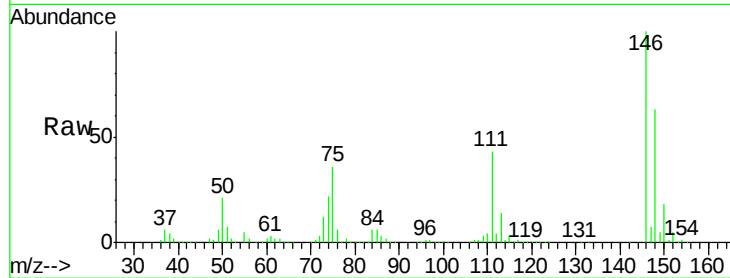
Tot Ion:146 Resp: 1106760

Ion Ratio Lower Upper

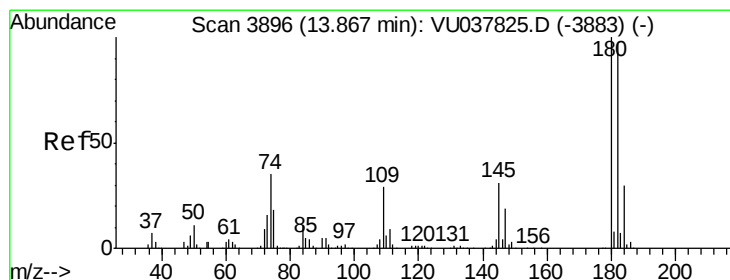
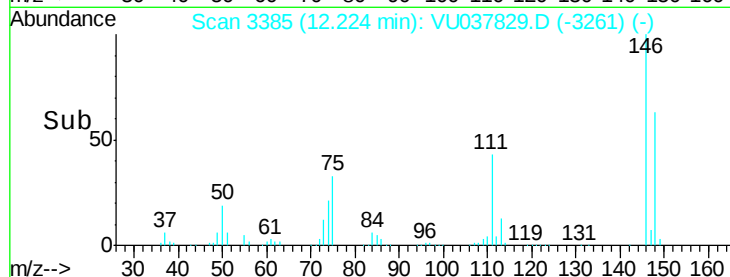
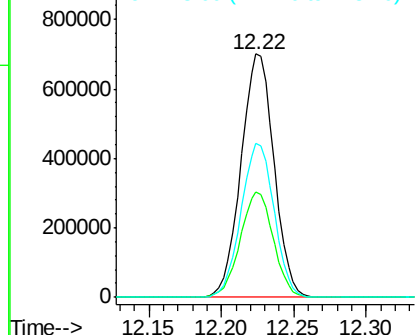
146 100

111 43.3 35.3 52.9

148 63.1 51.3 76.9



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



#68

1,2,4-trichlorobenzene

Concen: 46.216 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. -0.00 min

Lab File: VU037829.D

Acq: 21 Apr 2020 16:59

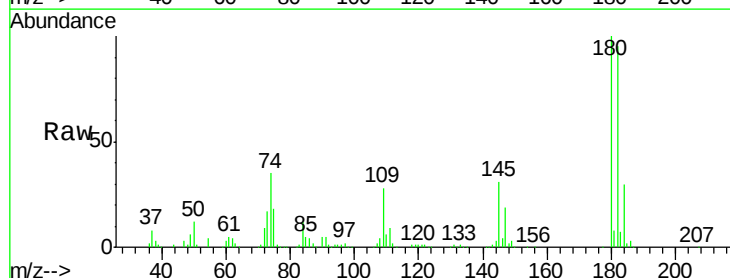
Tgt Ion:180 Resp: 261205

Ion Ratio Lower Upper

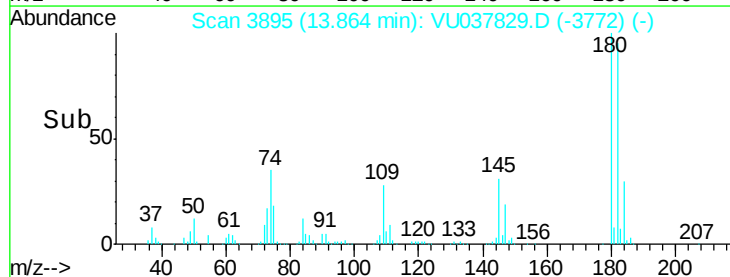
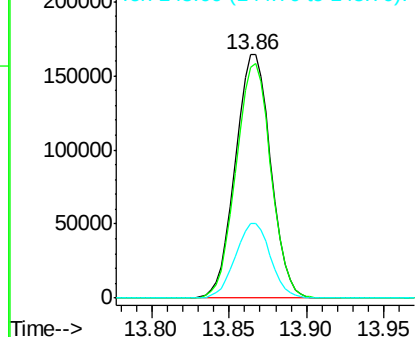
180 100

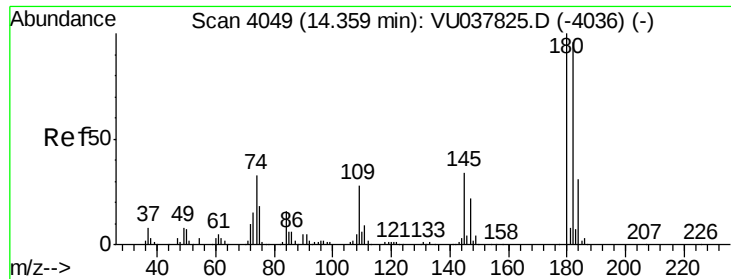
182 95.1 76.2 114.4

145 30.3 24.3 36.5



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: 35.458 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. 0.00 min
 Lab File: VU037829.D
 Acq: 21 Apr 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C0F09

Tot Ion:	180	Resp:	199421
Ion Ratio	Lower	Upper	
180	100		
182	96.0	77.0	115.4
145	32.4	26.2	39.4

