

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\
 Data File : VU037102.D
 Acq On : 06 Mar 2020 12:28
 Operator : JC/MD
 Sample : L1780-03DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF7DL

Quant Time: Mar 07 01:11:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	267952	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256492	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	97071	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88089	39.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.30%
7) Chloroethane-d5	1.93	69	80217	43.08	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.16%
11) 1,1-Dichloroethene-d2	2.59	63	115745	30.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.44%
21) 2-Butanone-d5	4.67	46	119434	79.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.13%
24) Chloroform-d	5.11	84	143607	41.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.58%
26) 1,2-Dichloroethane-d4	5.74	65	100463	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.40%
32) Benzene-d6	5.76	84	316395	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.32%
36) 1,2-Dichloropropane-d6	6.72	67	103106	42.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.82%
41) Toluene-d8	7.93	98	282136	41.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.20	79	41135	36.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.66%
47) 2-Hexanone-d5	8.66	63	80640	68.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	68.63%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	137491	40.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.16%
64) 1,2-Dichlorobenzene-d4	12.21	152	84721	44.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.30%

Target Compounds

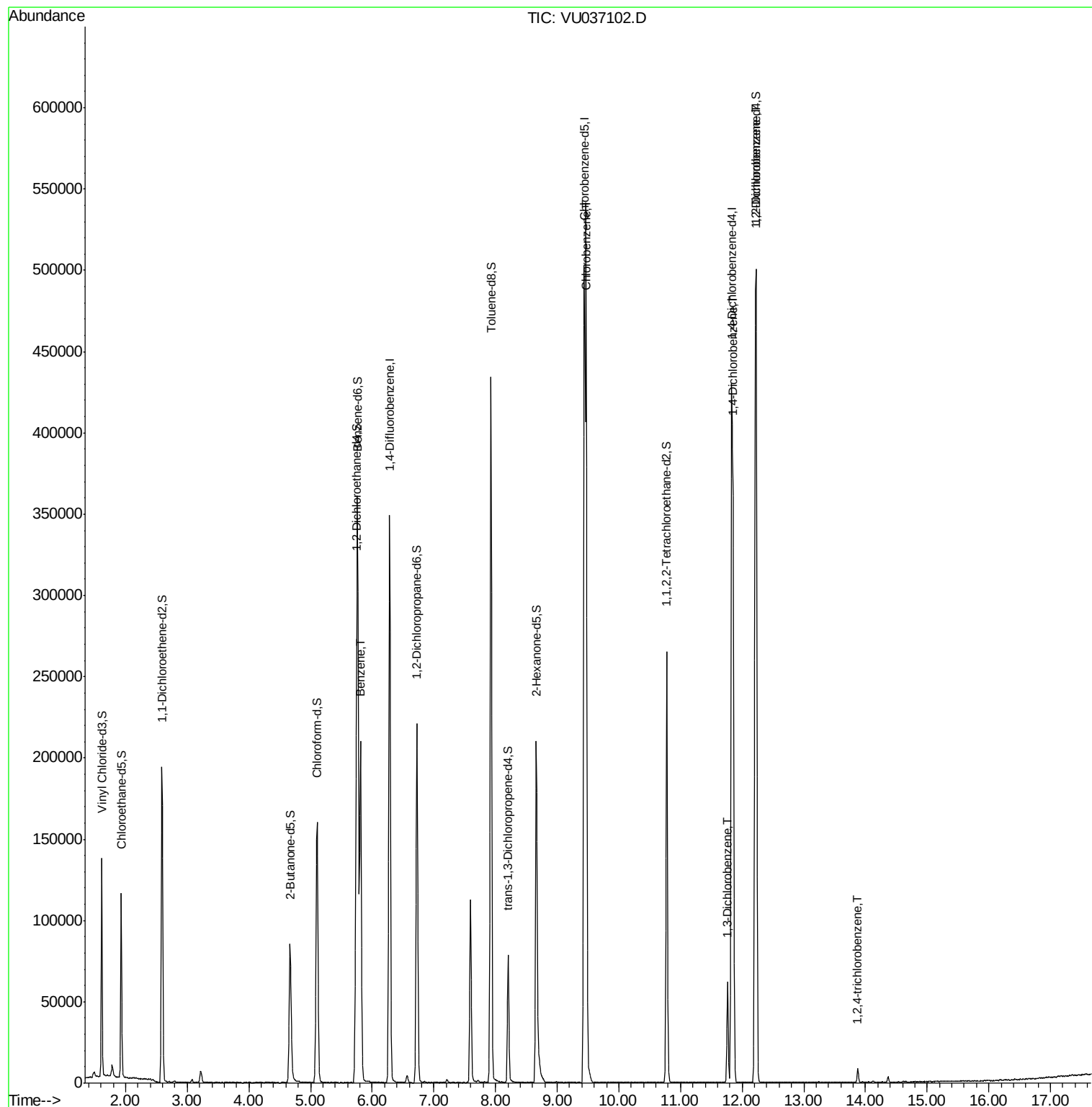
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.81	78	193461	23.875	ug/L	100
51) Chlorobenzene	9.47	112	259088	50.652	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	24139	7.666	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	122778	39.464	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	148263	47.155	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	2757	1.841	ug/L	92

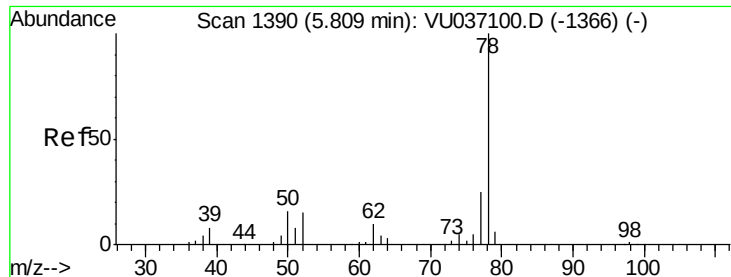
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 06 23:54:55 2020
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#33

Benzene

Concen: 23.875 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037102.D

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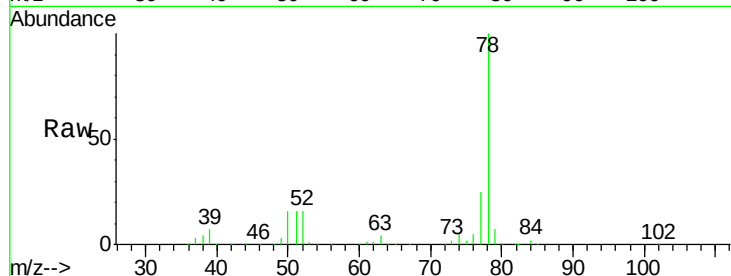
Instrument :

MSVOA_U

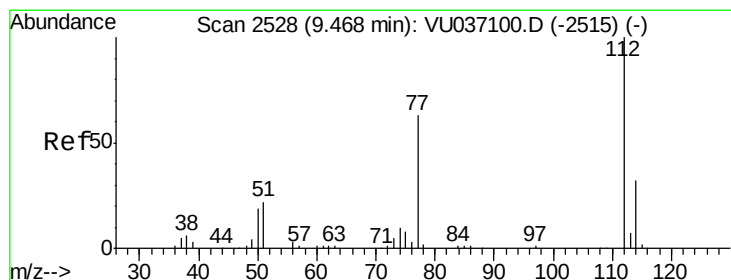
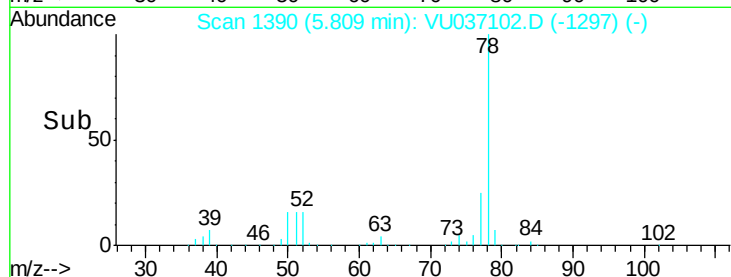
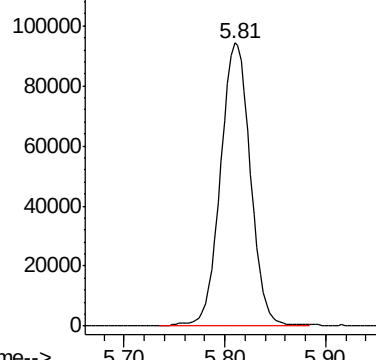
ClientSampleId :

C0DF7DL

Tgt Ion: 78 Resp: 193461



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 50.652 ug/L

RT: 9.47 min Scan# 2528

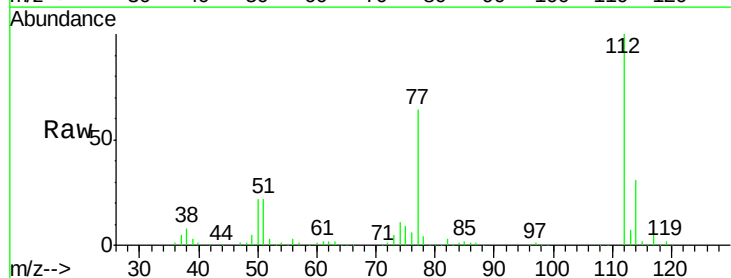
Delta R.T. 0.00 min

Lab File: VU037102.D

Acq: 06 Mar 2020 12:28

Tgt Ion: 112 Resp: 259088

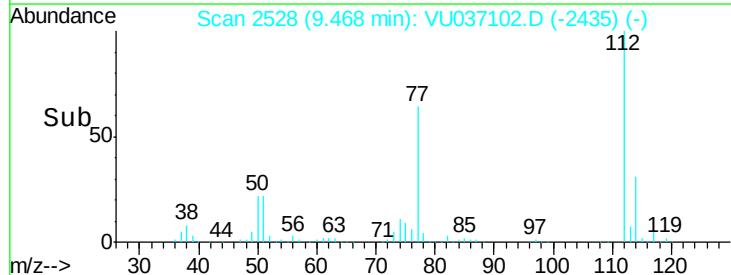
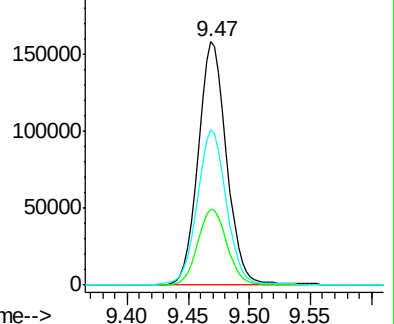
Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.3	41.5
77	63.5	50.1	75.1

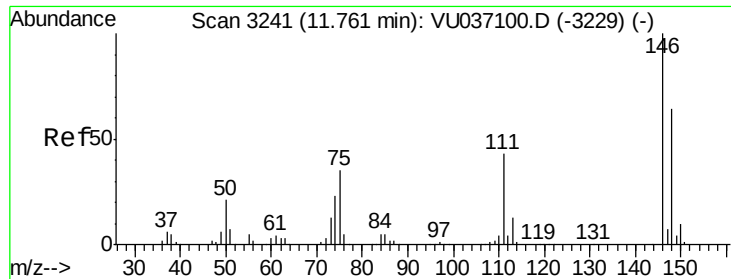


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

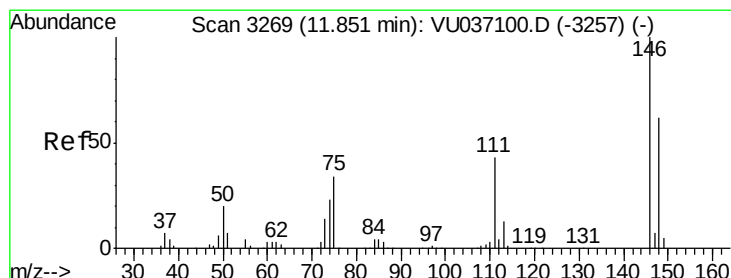
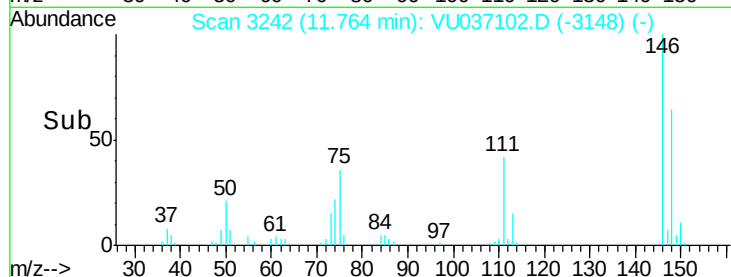
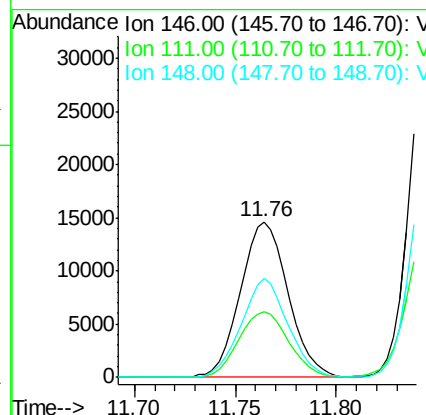
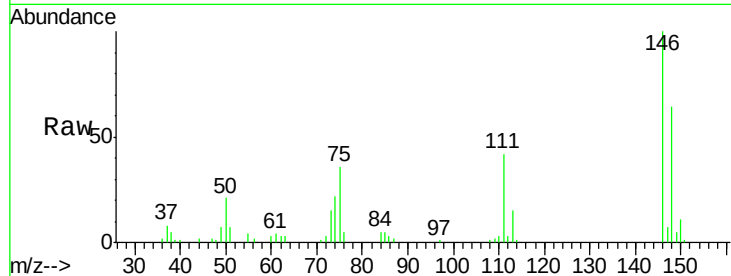




#62
 1,3-Dichlorobenzene
 Concen: 7.666 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037102.D
 Acq: 06 Mar 2020 12:28

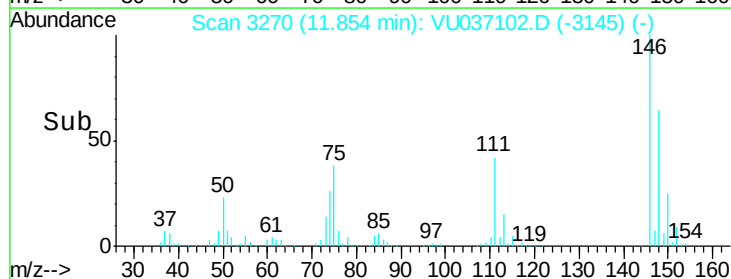
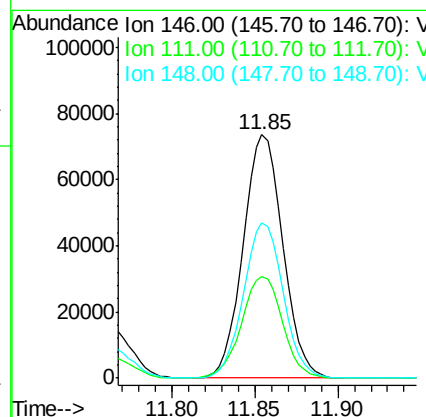
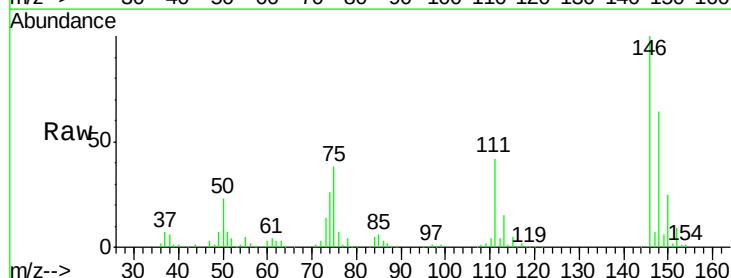
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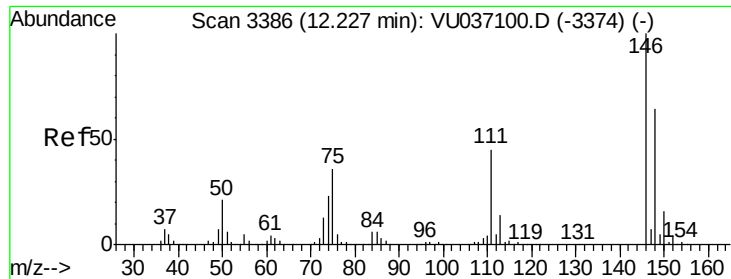
Tot Ion:146 Resp: 24139
 Ion Ratio Lower Upper
 146 100
 111 42.4 30.7 56.9
 148 63.7 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 39.464 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037102.D
 Acq: 06 Mar 2020 12:28

Tgt Ion:146 Resp: 122778
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.8 55.4
 148 63.6 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 47.155 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037102.D

Acq: 06 Mar 2020 12:28

Instrument :

MSVOA_U

ClientSampleId :

C0DF7DL

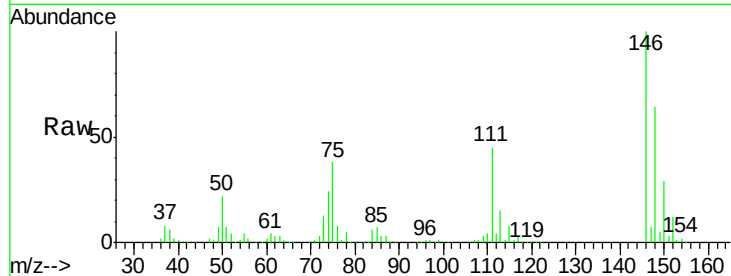
Tot Ion:146 Resp: 148263

Ion Ratio Lower Upper

146 100

111 45.2 35.4 53.0

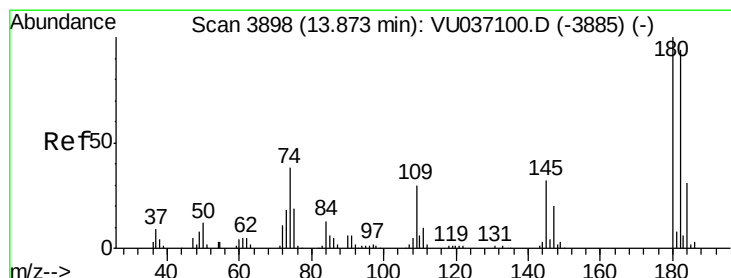
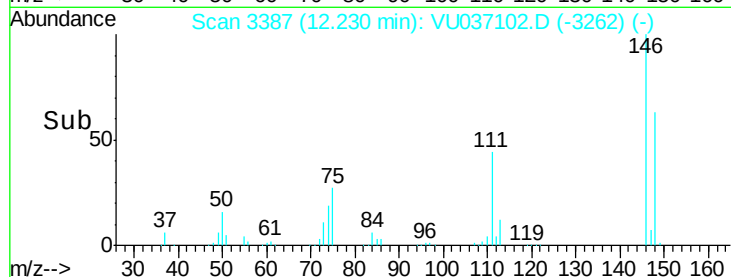
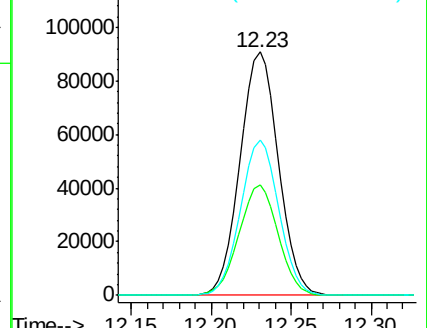
148 63.6 50.5 75.7



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: 1.841 ug/L

RT: 13.88 min Scan# 3899

Delta R.T. 0.00 min

Lab File: VU037102.D

Acq: 06 Mar 2020 12:28

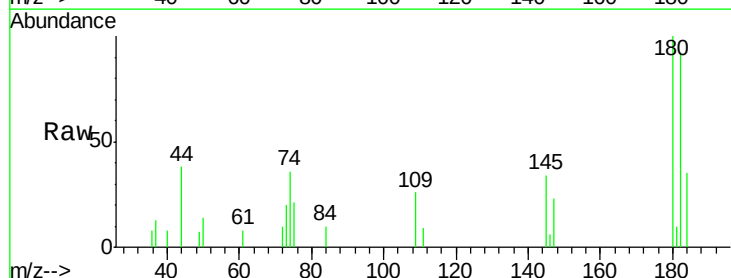
Tgt Ion:180 Resp: 2757

Ion Ratio Lower Upper

180 100

182 87.1 75.3 112.9

145 28.1 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

