

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037091.D
 Acq On : 05 Mar 2020 18:26
 Operator : JC/MD
 Sample : L1780-05DL 400X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF9DL

Quant Time: Mar 06 01:26:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 22:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	256821	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	243085	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	92188	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76914	35.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.32%
7) Chloroethane-d5	1.93	69	80260	44.98	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.96%
11) 1,1-Dichloroethene-d2	2.59	63	108371	30.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.02%
21) 2-Butanone-d5	4.67	46	151578	104.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.78%
24) Chloroform-d	5.11	84	157941	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	5.74	65	110242	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
32) Benzene-d6	5.76	84	334656	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
36) 1,2-Dichloropropane-d6	6.72	67	112191	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.52%
41) Toluene-d8	7.93	98	289096	44.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.66%
43) trans-1,3-Dichloropropene-	8.20	79	45587	43.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.14%
47) 2-Hexanone-d5	8.66	63	101923	91.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.53%
57) 1,1,1,2,2-Tetrachloroethane-	10.77	84	158593	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
64) 1,2-Dichlorobenzene-d4	12.21	152	92538	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%

Target Compounds

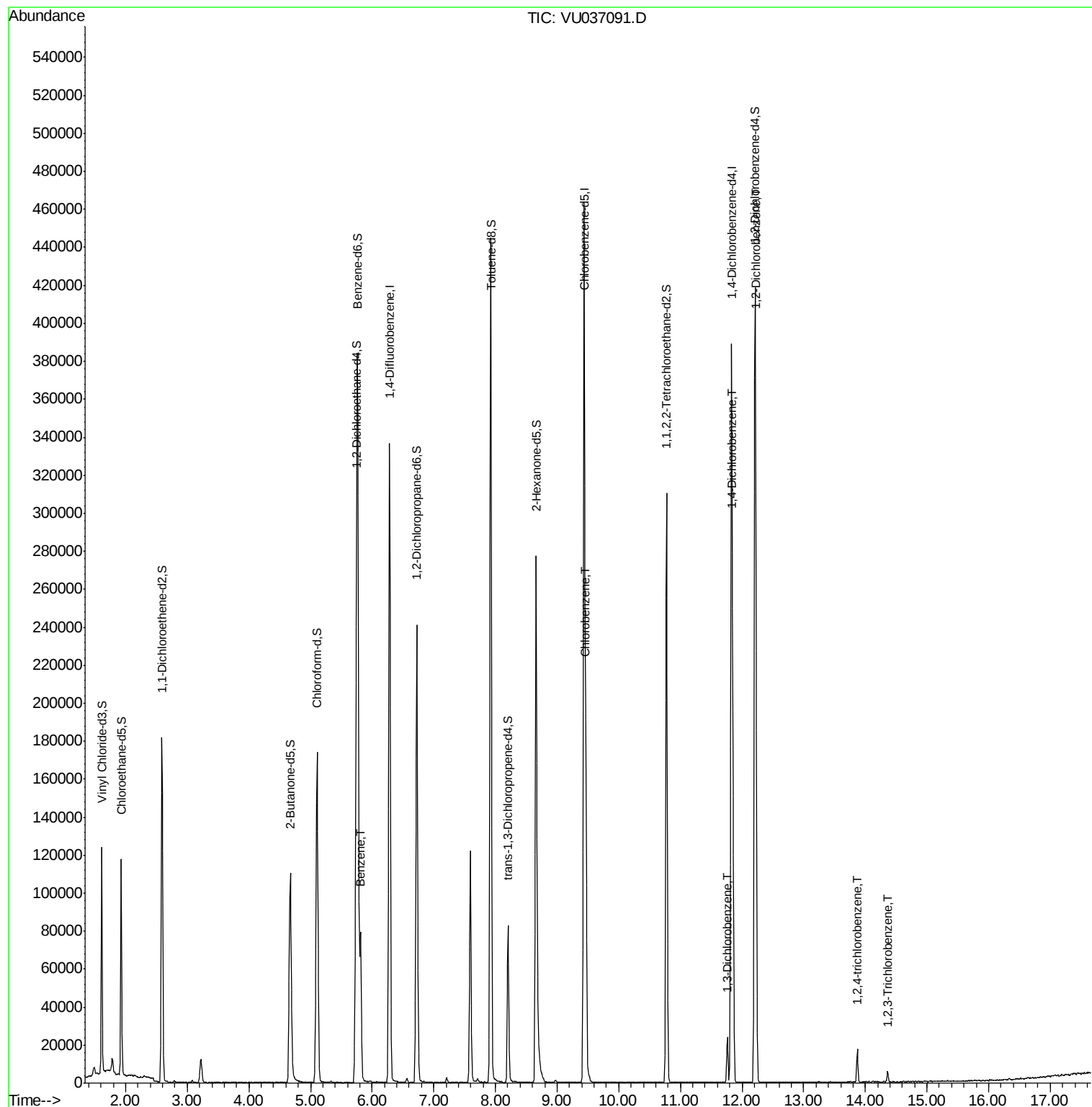
					Ovalue
33) Benzene	5.81	78	71246	9.278	ug/L 100
51) Chlorobenzene	9.47	112	82517	17.022	ug/L 99
62) 1,3-Dichlorobenzene	11.76	146	9946	3.326	ug/L 96
63) 1,4-Dichlorobenzene	11.85	146	58615	19.838	ug/L 100
65) 1,2-Dichlorobenzene	12.23	146	66432	22.248	ug/L 97
68) 1,2,4-trichlorobenzene	13.87	180	4943	3.476	ug/L 94
70) 1,2,3-Trichlorobenzene	14.36	180	1696	1.193	ug/L 92

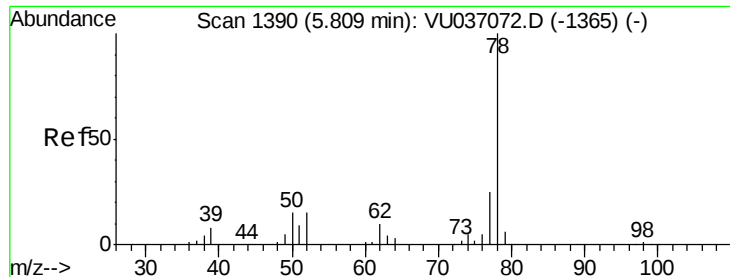
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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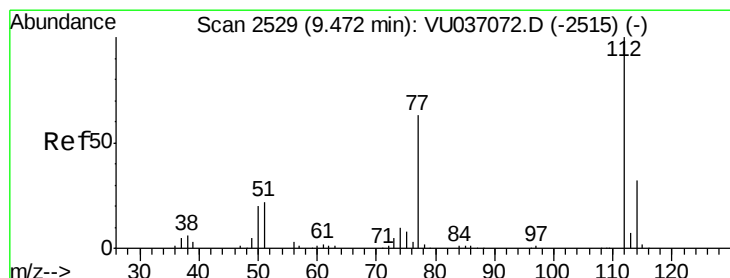
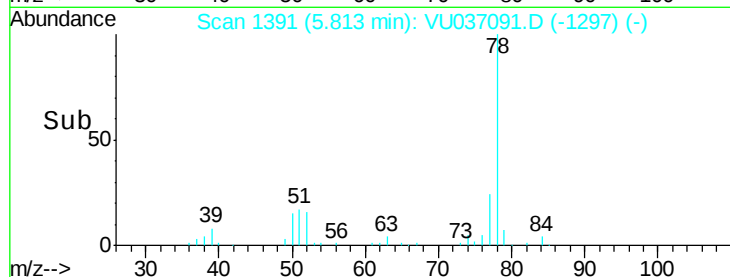
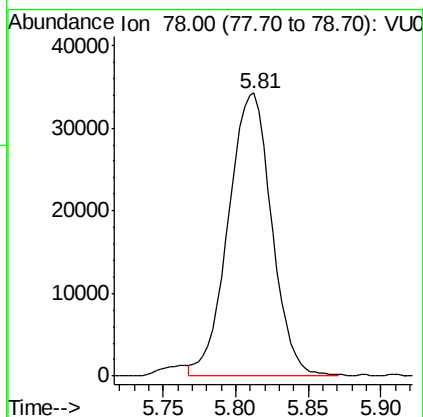
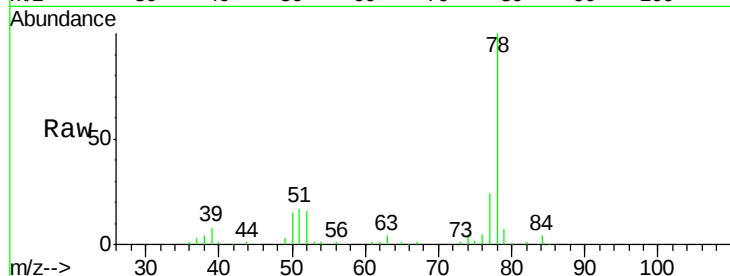




#33
Benzene
Concen: 9.278 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU037091.D
Acq: 05 Mar 2020 18:26

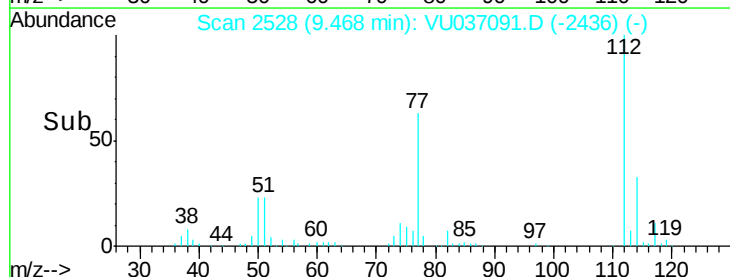
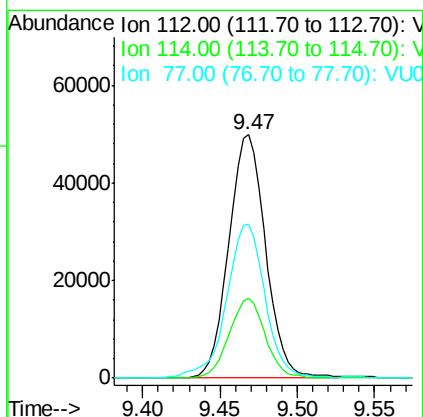
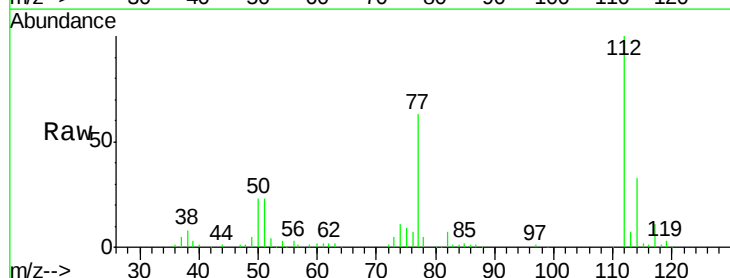
Instrument :
MSVOA_U
ClientSampleId :
C0DF9DL

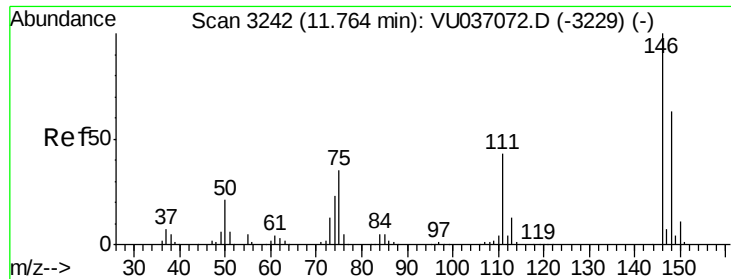
Tgt Ion: 78 Resp: 71246



#51
Chlorobenzene
Concen: 17.022 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037091.D
Acq: 05 Mar 2020 18:26

Tgt Ion: 112 Resp: 82517
Ion Ratio Lower Upper
112 100
114 33.0 22.3 41.5
77 63.4 50.1 75.1

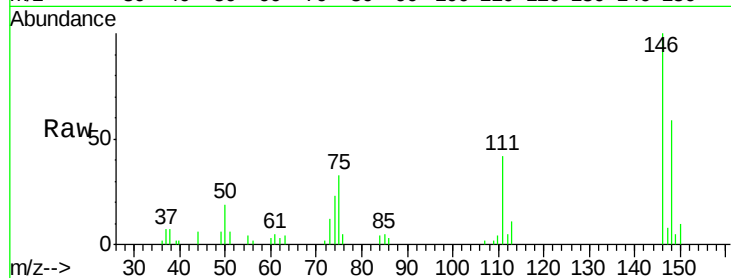




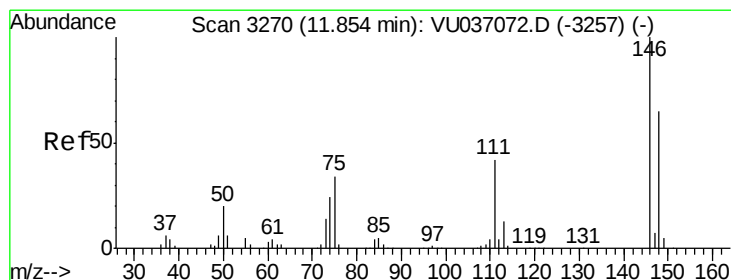
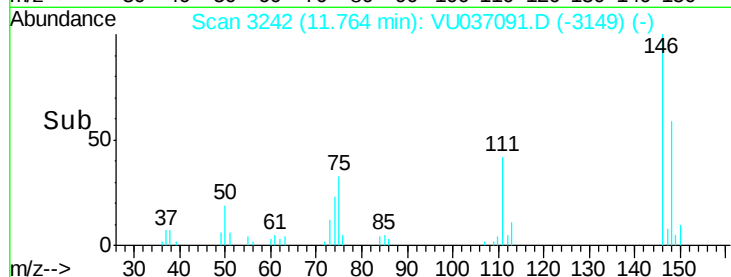
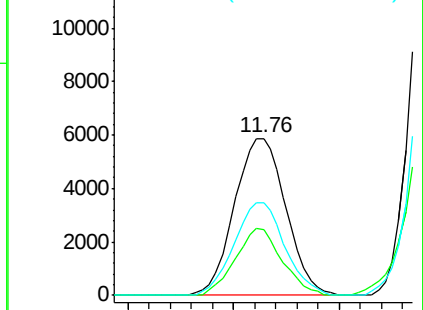
#62
 1,3-Dichlorobenzene
 Concen: 3.326 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037091.D
 Acq: 05 Mar 2020 18:26

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF9DL

Tot Ion:146 Resp: 9946
 Ion Ratio Lower Upper
 146 100
 111 41.5 30.7 56.9
 148 59.4 44.2 82.2

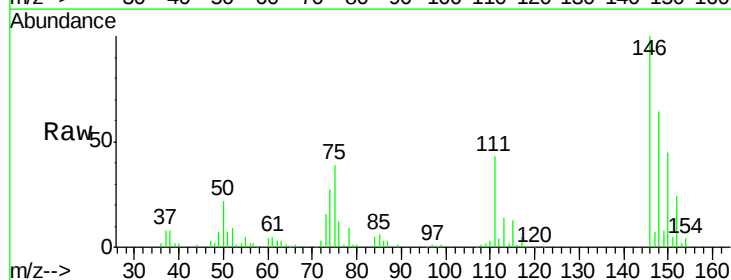


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

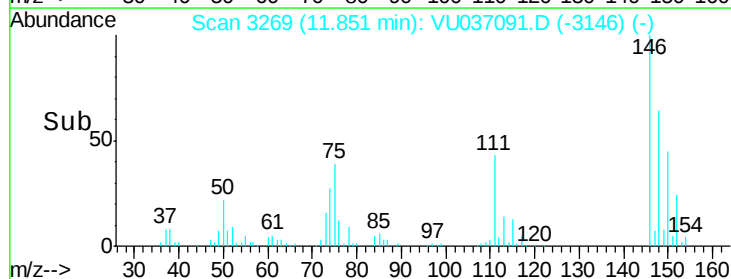
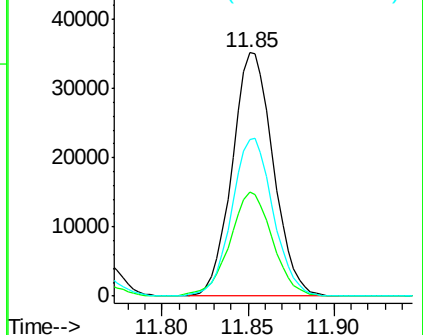


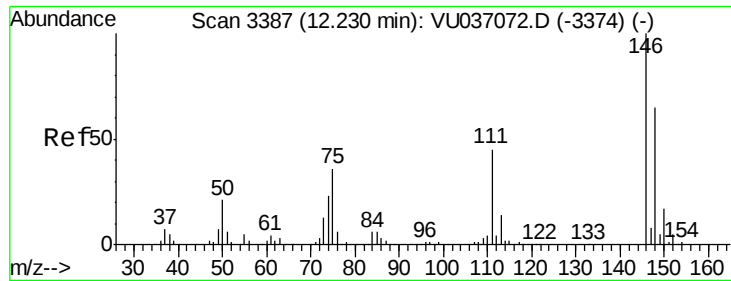
#63
 1,4-Dichlorobenzene
 Concen: 19.838 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037091.D
 Acq: 05 Mar 2020 18:26

Tgt Ion:146 Resp: 58615
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.8 55.4
 148 64.4 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: 22.248 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037091.D

Acq: 05 Mar 2020 18:26

Instrument :

MSVOA_U

ClientSampled :

C0DF9DL

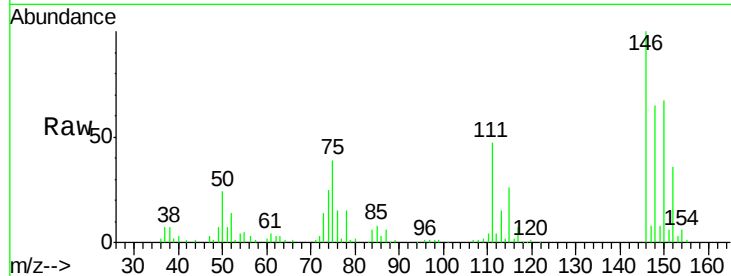
Tot Ion:146 Resp: 66432

Ion Ratio Lower Upper

146 100

111 47.0 35.4 53.0

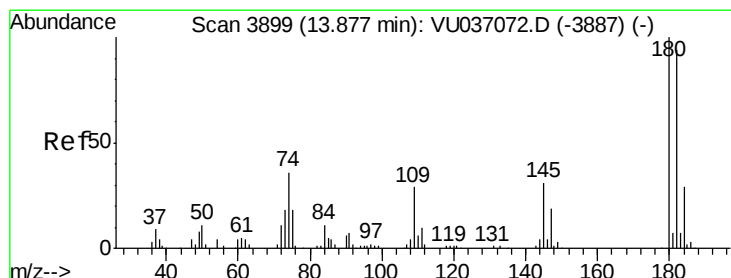
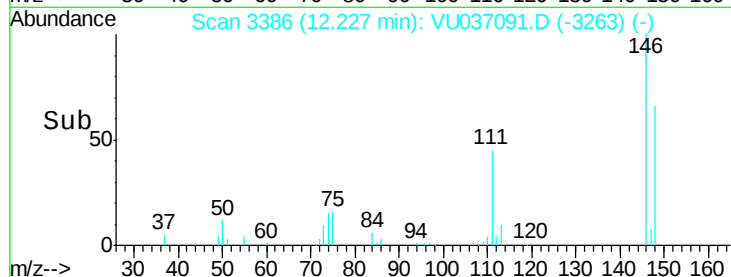
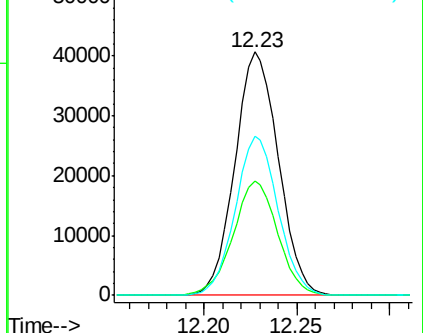
148 65.2 50.5 75.7



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: 3.476 ug/L

RT: 13.87 min Scan# 3897

Delta R.T. -0.01 min

Lab File: VU037091.D

Acq: 05 Mar 2020 18:26

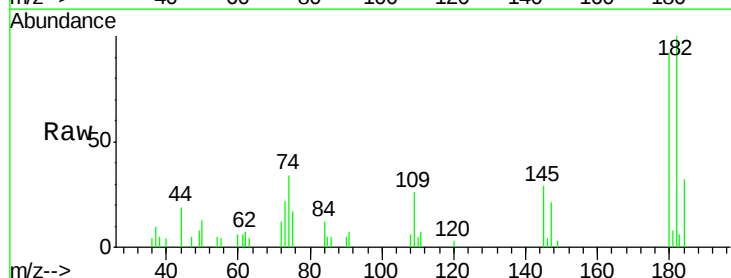
Tgt Ion:180 Resp: 4943

Ion Ratio Lower Upper

180 100

182 100.5 75.3 112.9

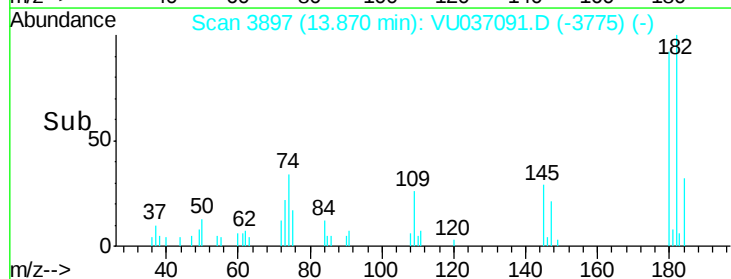
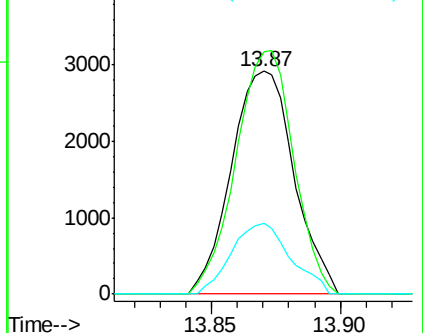
145 29.8 26.2 39.4

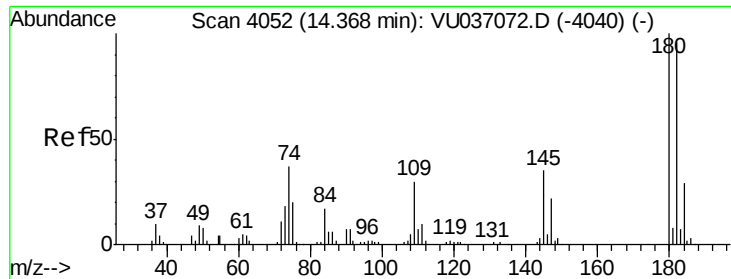


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 1.193 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU037091.D

Acq: 05 Mar 2020 18:26

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C0DF9DL

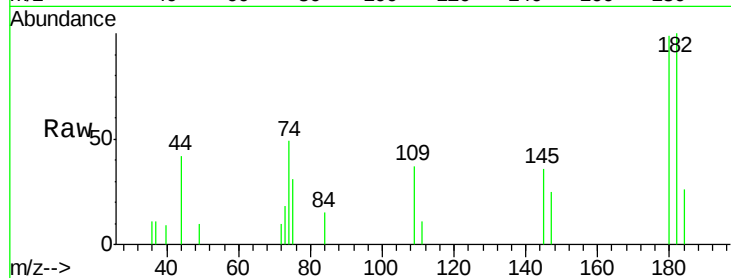
Tot Ion:180 Resp: 1696

Ion Ratio Lower Upper

180 100

182 105.1 77.0 115.6

145 33.0 28.1 42.1



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

