

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010719\
 Data File : VU029055.D
 Acq On : 07 Jan 2019 13:22
 Operator : MD/SY
 Sample : VIBLK40
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK40

Quant Time: Jan 08 02:56:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 08 01:37:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	228789	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	220662	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	99740	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	94024	51.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.52%
7) Chloroethane-d5	1.68	69	73362	51.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.56%
11) 1,1-Dichloroethene-d2	2.27	63	112830	36.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.16%
21) 2-Butanone-d5	4.17	46	113931	88.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.66%
24) Chloroform-d	4.65	84	138019	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
26) 1,2-Dichloroethane-d4	5.31	65	85515	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
32) Benzene-d6	5.34	84	305086	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.88%
36) 1,2-Dichloropropane-d6	6.33	67	102239	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.56%
41) Toluene-d8	7.56	98	274630	48.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.22%
43) trans-1,3-Dichloropropene-	7.85	79	46667	49.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.36%
47) 2-Hexanone-d5	8.31	63	83675	83.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	132622	45.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	100736	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%

Target Compounds

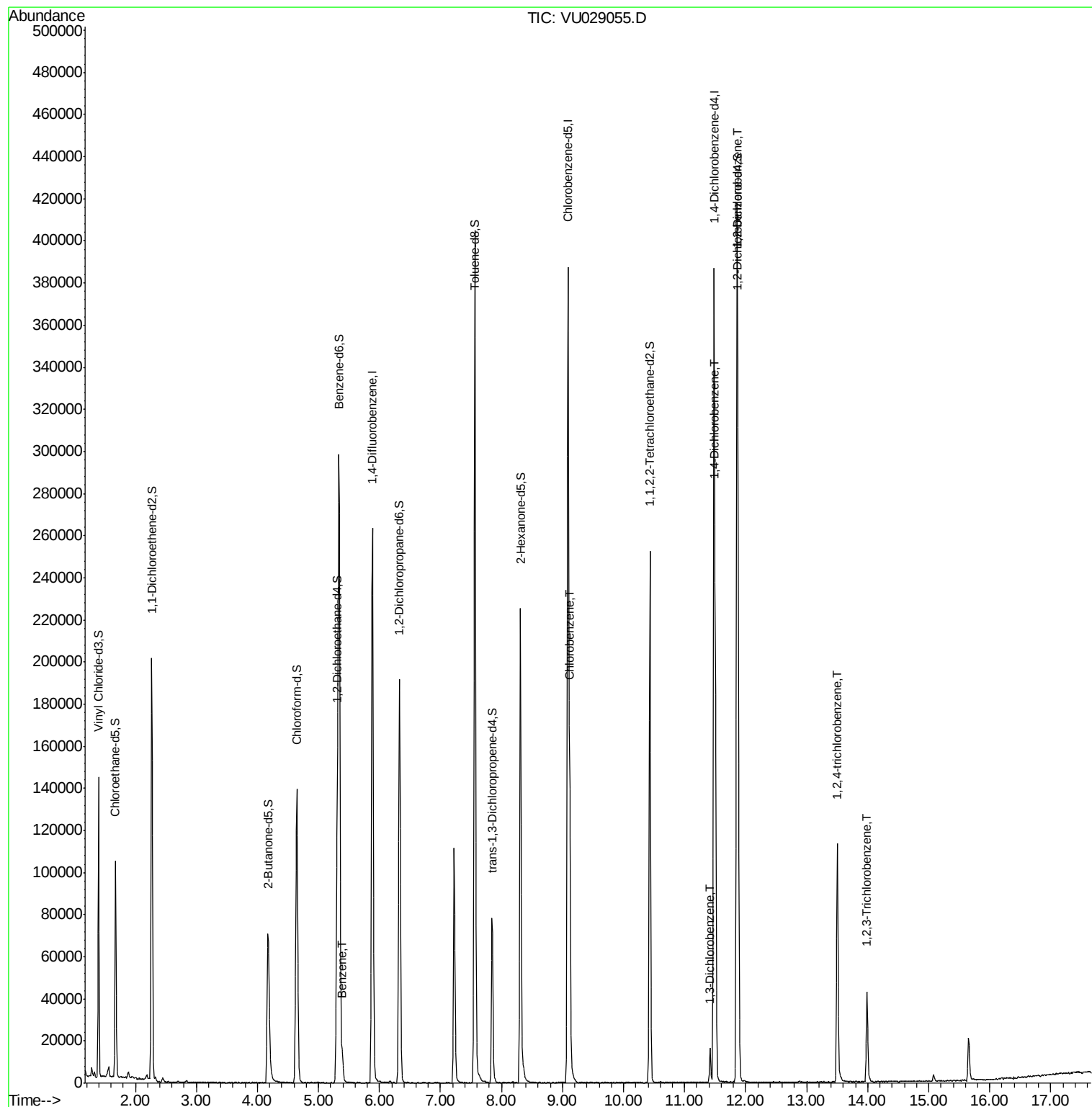
					Ovalue
33) Benzene	5.39	78	12404	1.766	ug/L 100
51) Chlorobenzene	9.12	112	83747	18.660	ug/L 98
62) 1,3-Dichlorobenzene	11.42	146	7910	2.497	ug/L 97
63) 1,4-Dichlorobenzene	11.50	146	69452	21.276	ug/L 100
65) 1,2-Dichlorobenzene	11.88	146	89272	27.010	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	41154	21.037	ug/L 97
70) 1,2,3-Trichlorobenzene	13.99	180	16734	7.933	ug/L 97

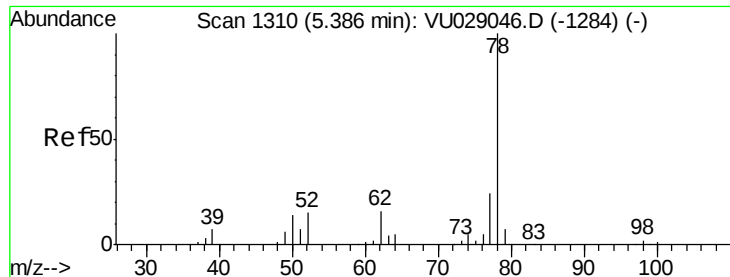
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 1.766 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU029055.D

Acq: 07 Jan 2019 13:22

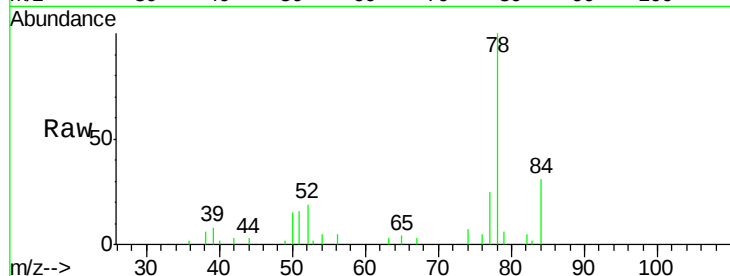
Instrument :

MSVOA_U

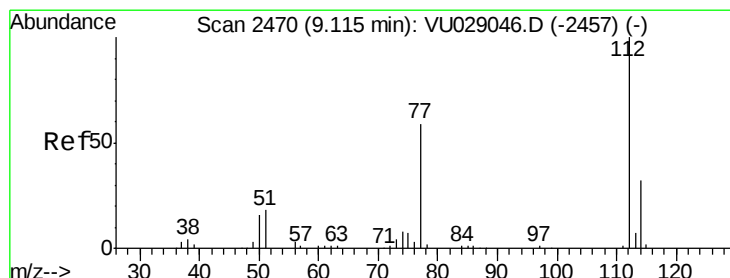
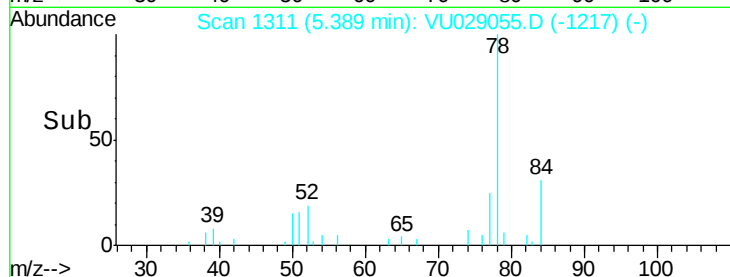
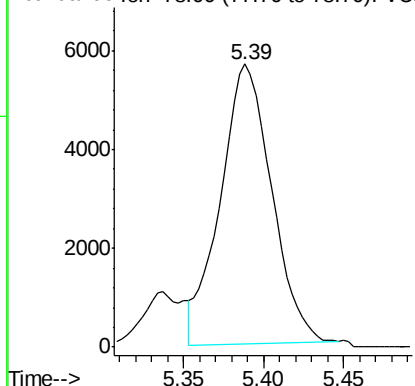
ClientSampleId :

VIBLK40

Tgt Ion: 78 Resp: 12404



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 18.660 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU029055.D

Acq: 07 Jan 2019 13:22

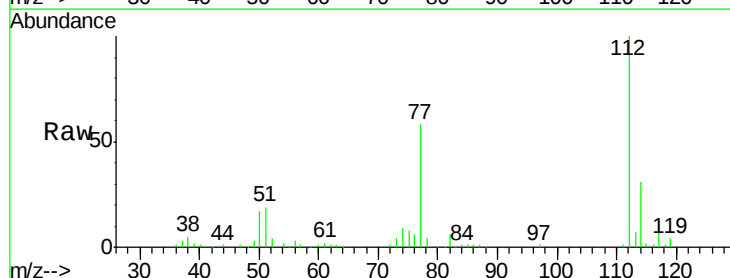
Tgt Ion: 112 Resp: 83747

Ion Ratio Lower Upper

112 100

114 31.2 22.2 41.2

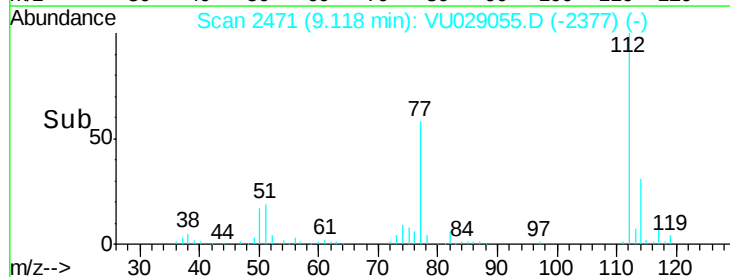
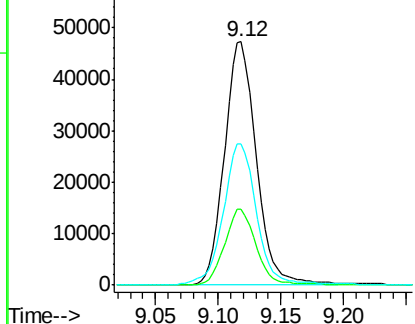
77 58.3 47.8 71.8

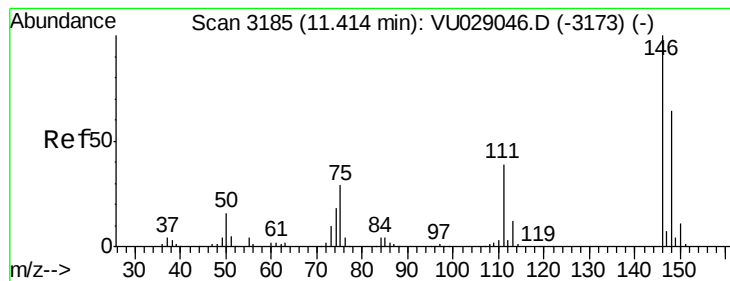


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 2.497 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU029055.D

Acq: 07 Jan 2019 13:22

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

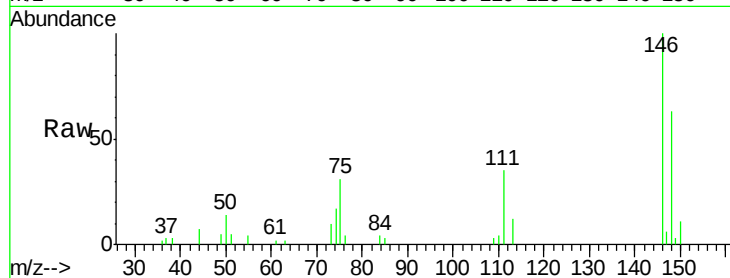
Tot Ion:146 Resp: 7910

Ion Ratio Lower Upper

146 100

111 35.4 27.4 50.8

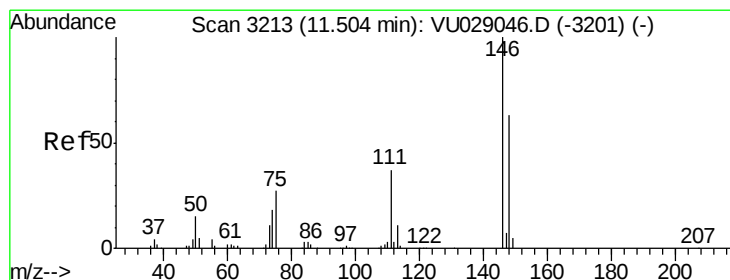
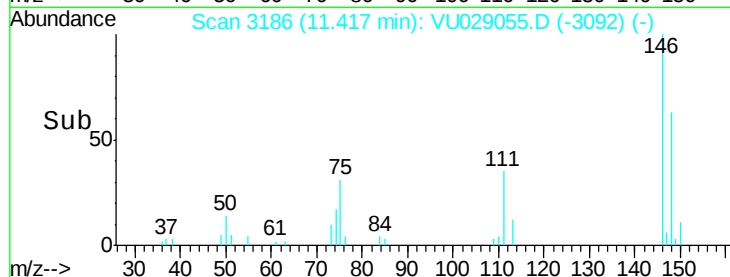
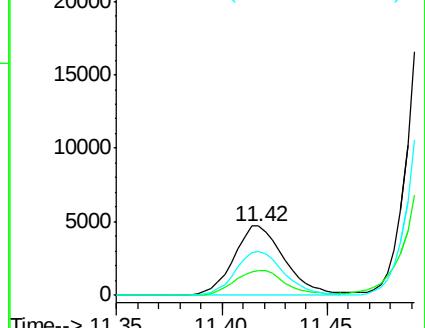
148 62.7 44.2 82.2



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: 21.276 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU029055.D

Acq: 07 Jan 2019 13:22

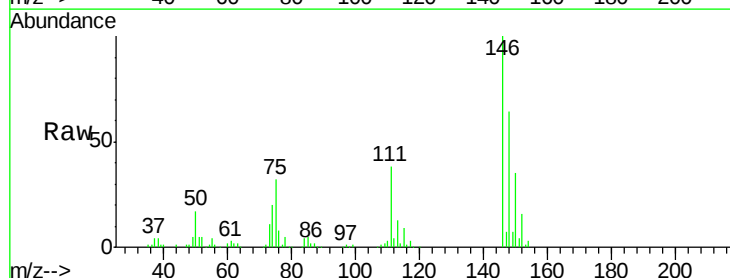
Tgt Ion:146 Resp: 69452

Ion Ratio Lower Upper

146 100

111 38.2 26.5 49.1

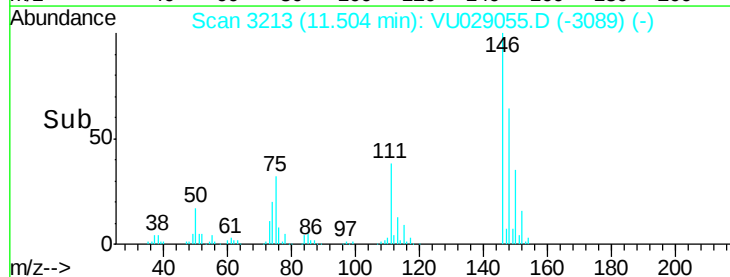
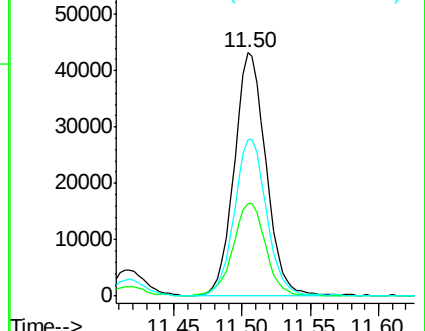
148 64.3 45.1 83.9

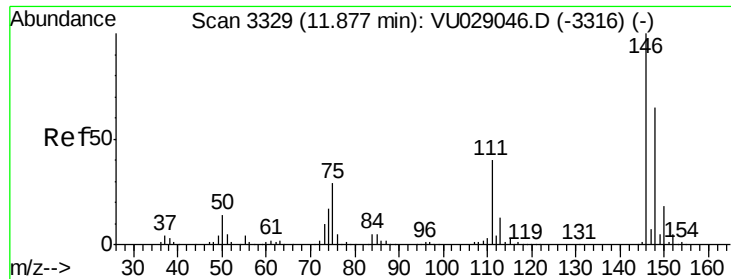


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 27.010 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU029055.D

Acq: 07 Jan 2019 13:22

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

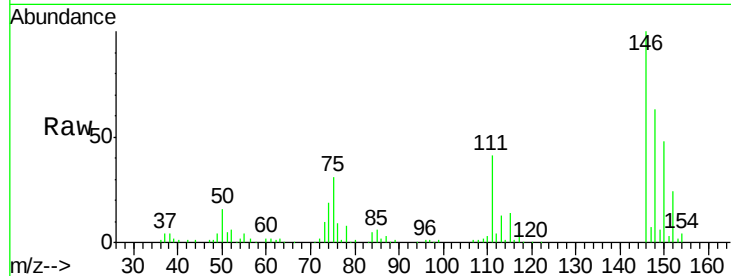
Tot Ion:146 Resp: 89272

Ion Ratio Lower Upper

146 100

111 40.7 32.1 48.1

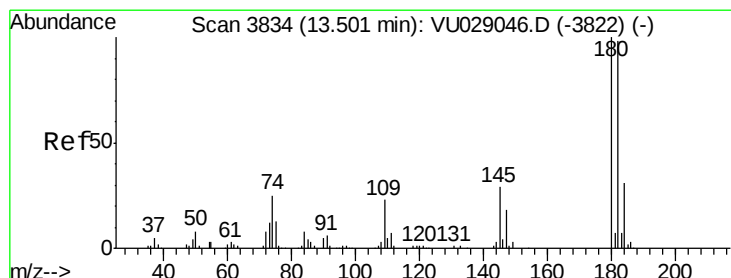
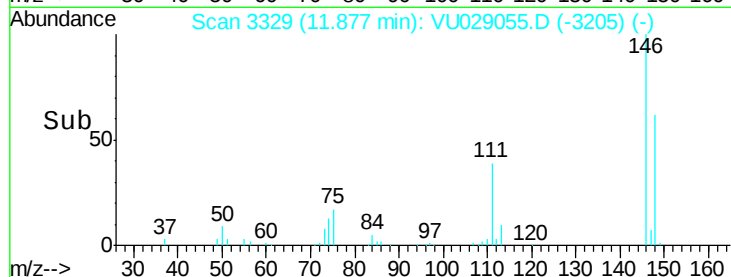
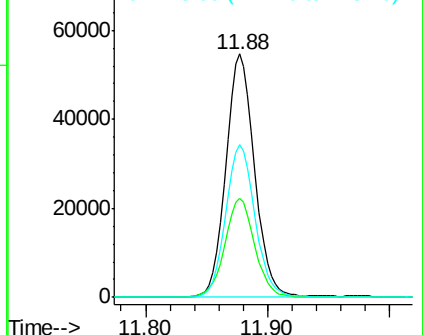
148 62.7 49.7 74.5



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: 21.037 ug/L

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU029055.D

Acq: 07 Jan 2019 13:22

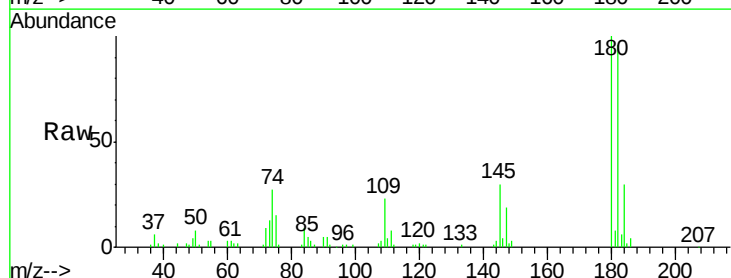
Tgt Ion:180 Resp: 41154

Ion Ratio Lower Upper

180 100

182 94.2 77.4 116.0

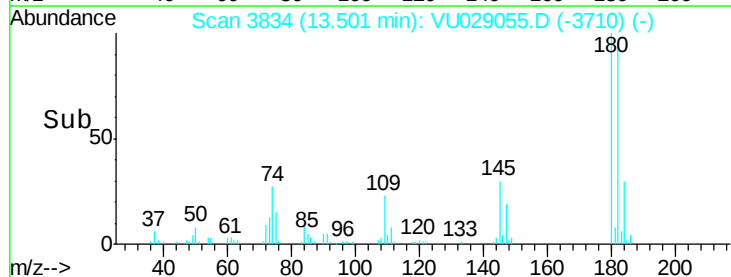
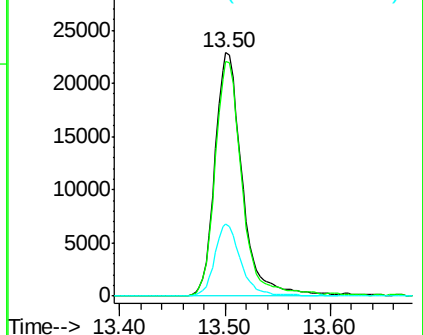
145 27.7 23.5 35.3

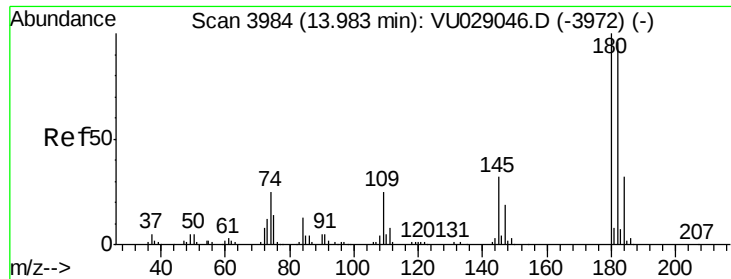


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 7.933 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VU029055.D
 Acq: 07 Jan 2019 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK40

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	92.0	75.8	113.8	
145	29.1	24.5	36.7	

