

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026869.D
 Acq On : 18 Sep 2018 17:57
 Operator : MD/SY
 Sample : J4896-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M4

Quant Time: Sep 19 07:36:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 05:05:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	220088	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	216040	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	115368	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60060	36.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.78%
7) Chloroethane-d5	1.68	69	57643	41.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.72%
11) 1,1-Dichloroethene-d2	2.27	63	90540	29.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.78%#
21) 2-Butanone-d5	4.18	46	124955	115.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.65%
24) Chloroform-d	4.65	84	137804	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
26) 1,2-Dichloroethane-d4	5.31	65	90538	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
32) Benzene-d6	5.34	84	263150	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.92%
36) 1,2-Dichloropropane-d6	6.33	67	91409	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.72%
41) Toluene-d8	7.57	98	220277	40.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.54%
43) trans-1,3-Dichloropropene-	7.85	79	37565	43.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.26%
47) 2-Hexanone-d5	8.31	63	85964	112.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	133201	48.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	107145	44.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.28%

Target Compounds

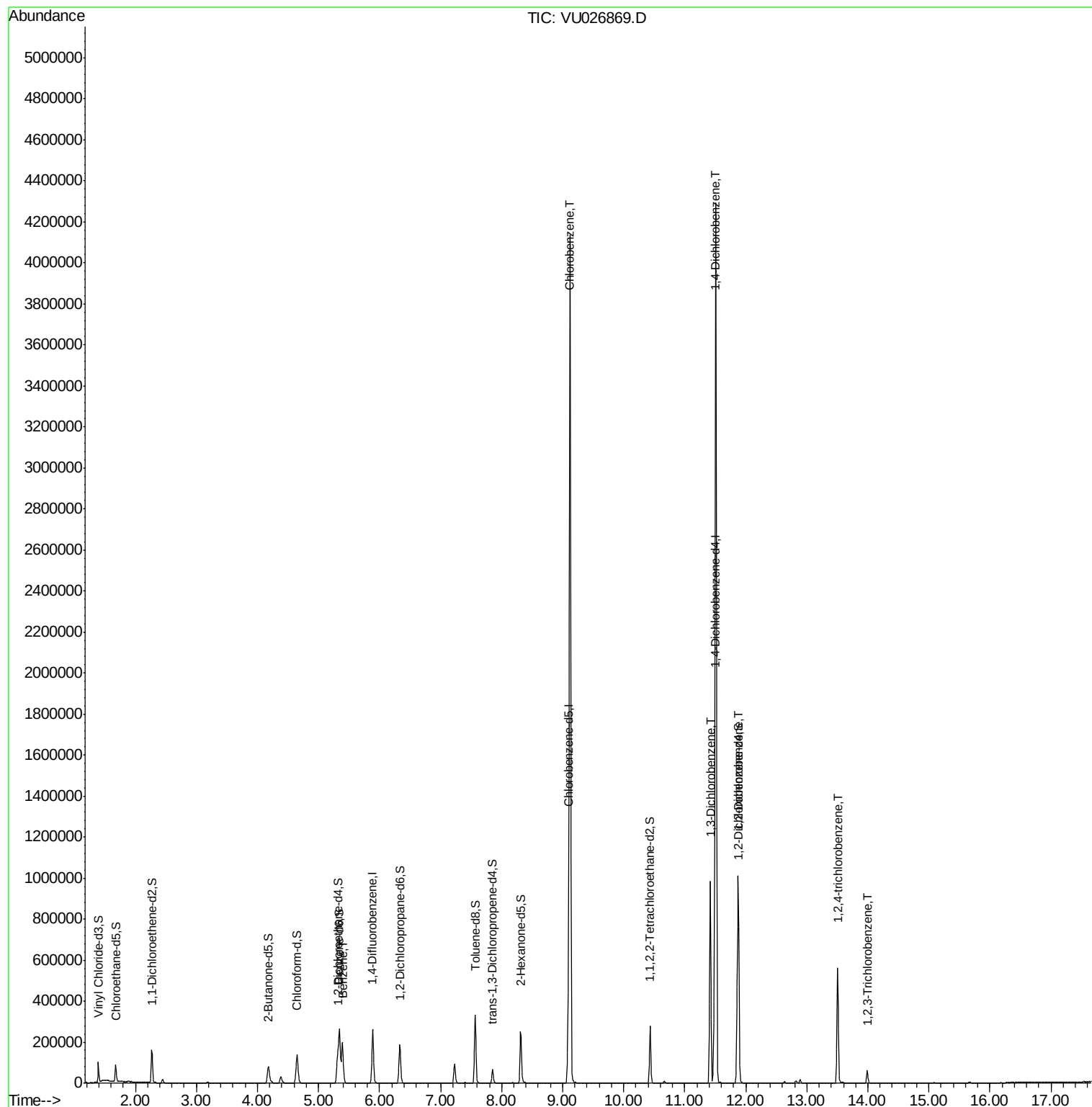
					Ovalue
33) Benzene	5.39	78	194060	28.973	ug/L 100
51) Chlorobenzene	9.12	112	2170519	471.926	ug/L 98
62) 1,3-Dichlorobenzene	11.42	146	400691	113.931	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	1730717	446.910	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	379458	97.442	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	185335	79.026	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	21414	8.292	ug/L 98

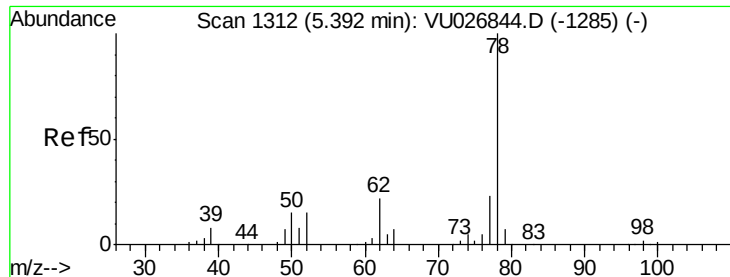
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 28.973 ug/L

RT: 5.39 min Scan# 1312

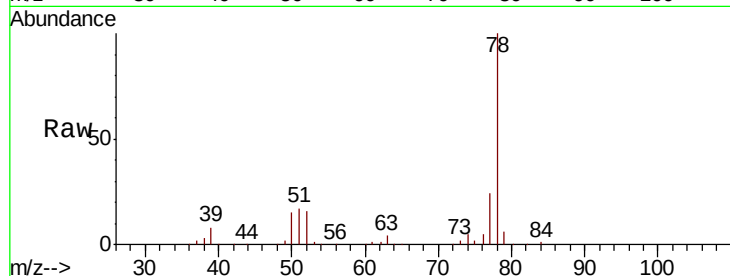
Delta R.T. 0.00 min

Lab File: VU026869.D

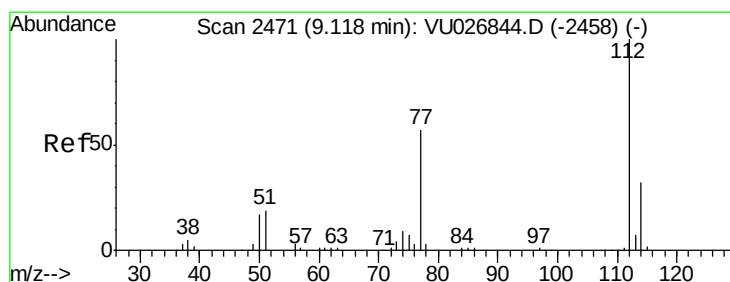
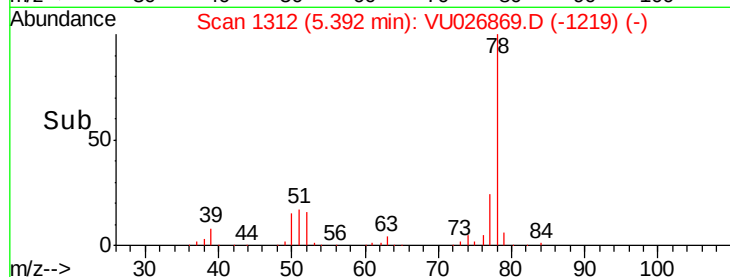
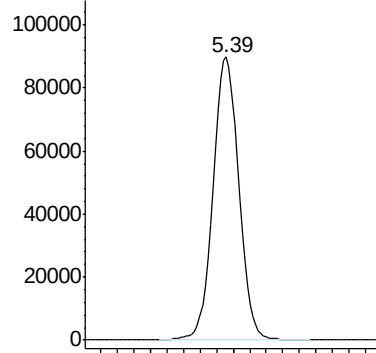
Acq: 18 Sep 2018 17:57

Instrument :
MSVOA_U
ClientSampleId :
C08M4

Tgt Ion: 78 Resp: 194060



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 471.926 ug/L

RT: 9.12 min Scan# 2472

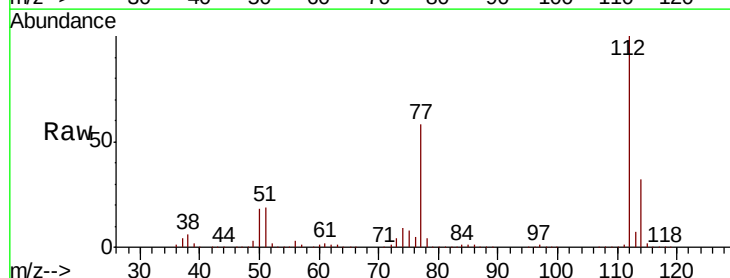
Delta R.T. 0.00 min

Lab File: VU026869.D

Acq: 18 Sep 2018 17:57

Tgt Ion: 112 Resp: 2170519

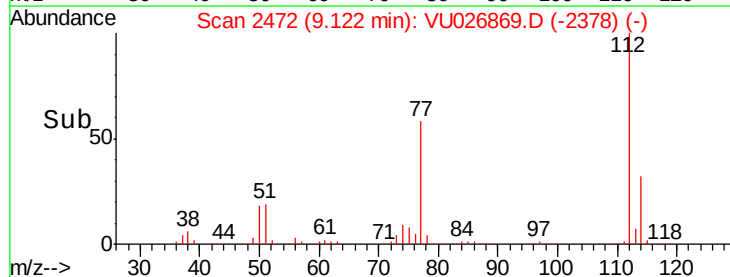
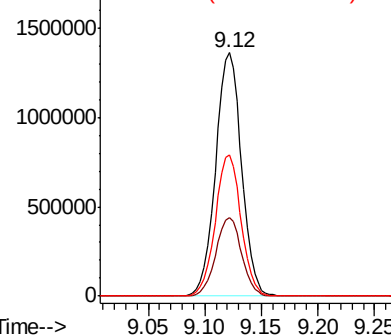
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.5
77	57.8	45.1	67.7

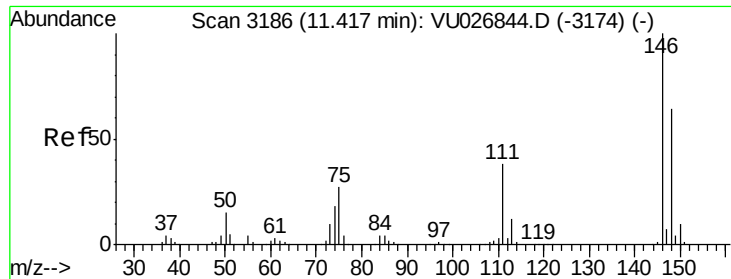


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 113.931 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026869.D

Acq: 18 Sep 2018 17:57

Instrument :

MSVOA_U

ClientSampled :

C08M4

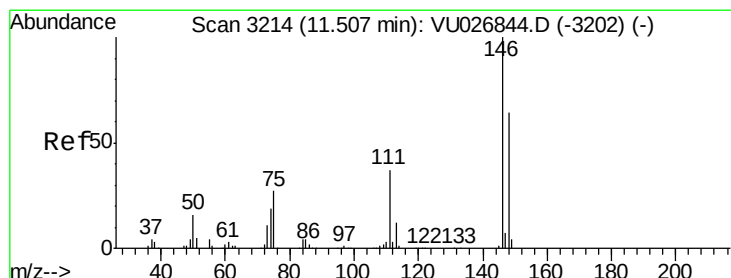
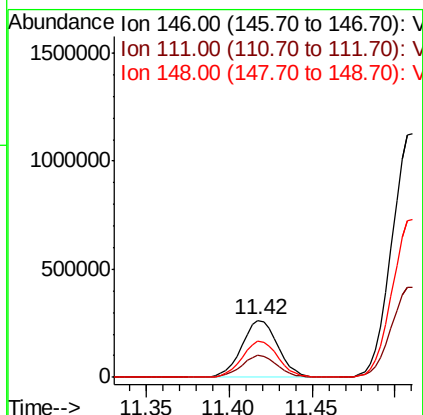
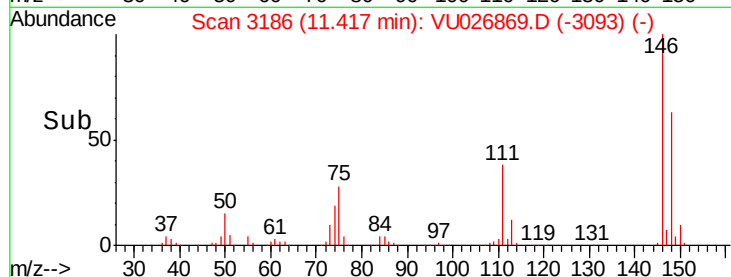
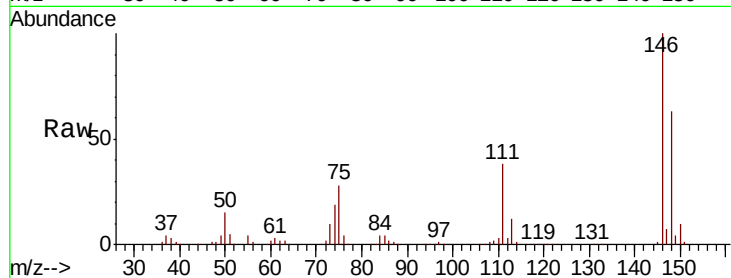
Tot Ion:146 Resp: 400691

Ion Ratio Lower Upper

146 100

111 37.8 26.7 49.7

148 63.3 44.9 83.5



#63

1,4-Dichlorobenzene

Concen: 446.910 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026869.D

Acq: 18 Sep 2018 17:57

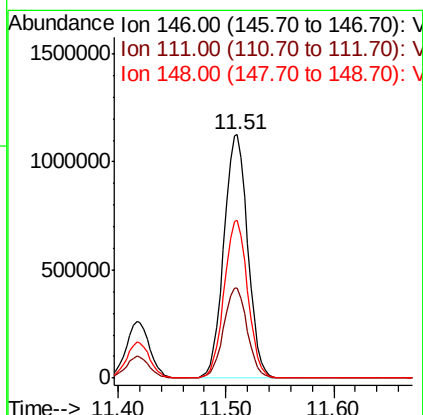
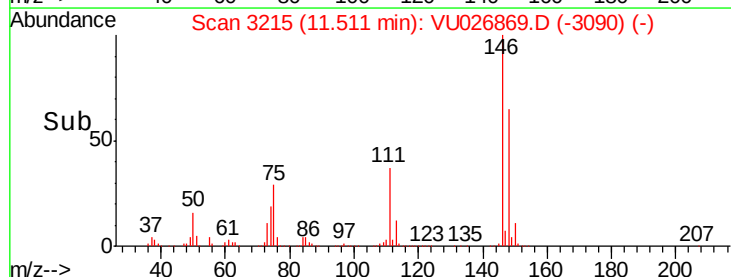
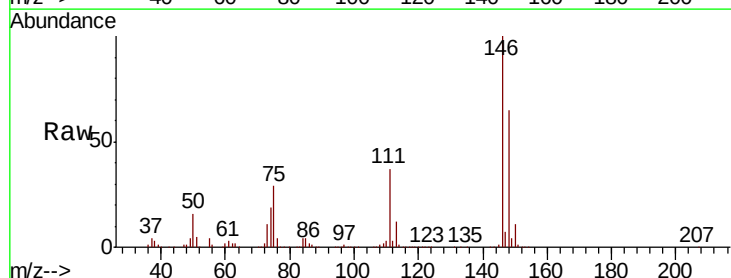
Tgt Ion:146 Resp: 1730717

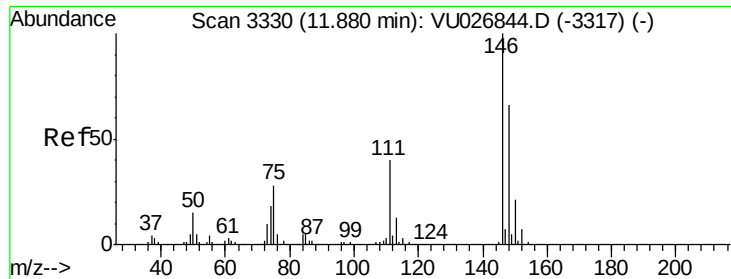
Ion Ratio Lower Upper

146 100

111 36.8 26.0 48.2

148 64.7 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 97.442 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026869.D

Acq: 18 Sep 2018 17:57

Instrument :

MSVOA_U

ClientSampleId :

C08M4

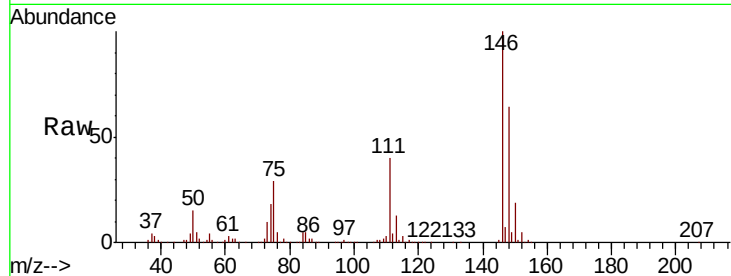
Tot Ion:146 Resp: 379458

Ion Ratio Lower Upper

146 100

111 40.0 31.4 47.0

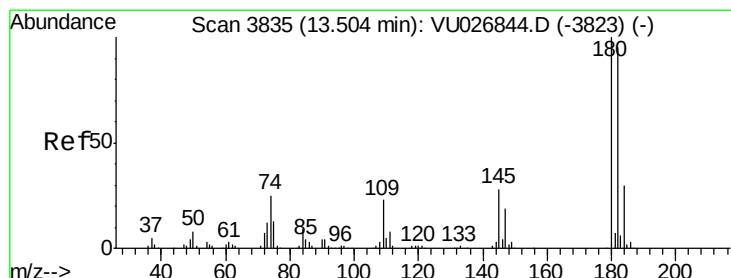
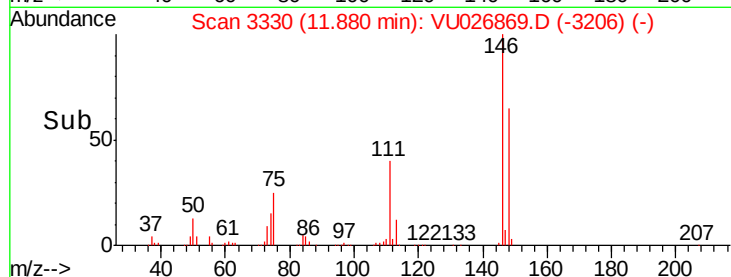
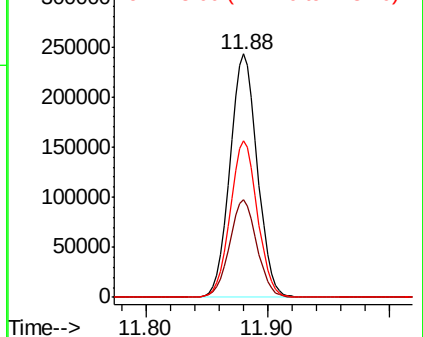
148 64.4 51.4 77.2



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



#68

1,2,4-trichlorobenzene

Concen: 79.026 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU026869.D

Acq: 18 Sep 2018 17:57

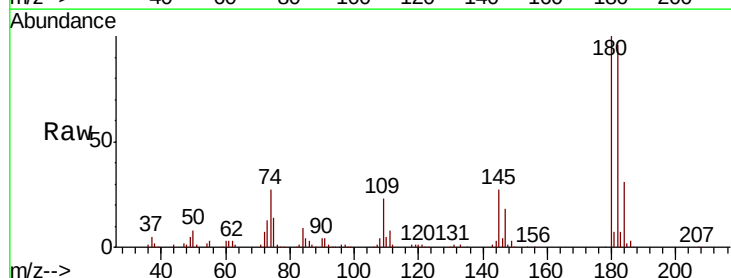
Tgt Ion:180 Resp: 185335

Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

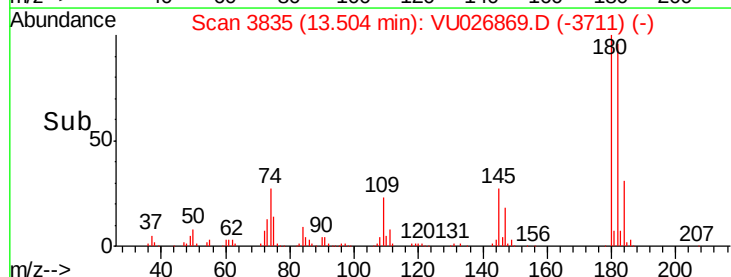
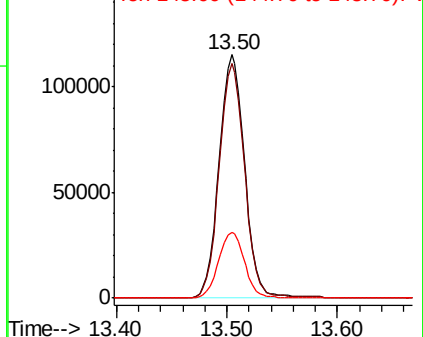
145 27.4 22.2 33.2

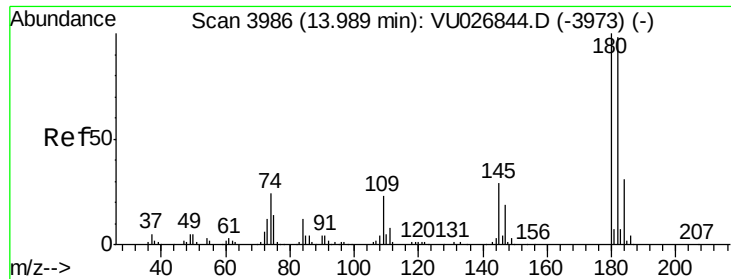


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 8.292 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026869.D
 Acq: 18 Sep 2018 17:57

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M4

Tot Ion:180 Resp: 21414
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.6 113.4
 145 28.6 23.8 35.6

