

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026743.D
 Acq On : 13 Sep 2018 22:09
 Operator : MD/SY
 Sample : J4893-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08P0

Quant Time: Sep 14 03:04:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 01:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	183403	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177016	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92570	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58773	43.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.00%
7) Chloroethane-d5	1.68	69	49075	44.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.12%
11) 1,1-Dichloroethene-d2	2.27	63	84058	34.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.74%
21) 2-Butanone-d5	4.18	46	85203	100.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.18%
24) Chloroform-d	4.65	84	96868	42.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.26%
26) 1,2-Dichloroethane-d4	5.31	65	66183	44.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.00%
32) Benzene-d6	5.34	84	203918	44.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.02%
36) 1,2-Dichloropropane-d6	6.33	67	69037	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.80%
41) Toluene-d8	7.57	98	188559	43.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.72%
43) trans-1,3-Dichloropropene-	7.85	79	30221	42.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.56%
47) 2-Hexanone-d5	8.31	63	59124	94.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.25%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	90183	42.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.68%
64) 1,2-Dichlorobenzene-d4	11.87	152	86933	47.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.22%

Target Compounds

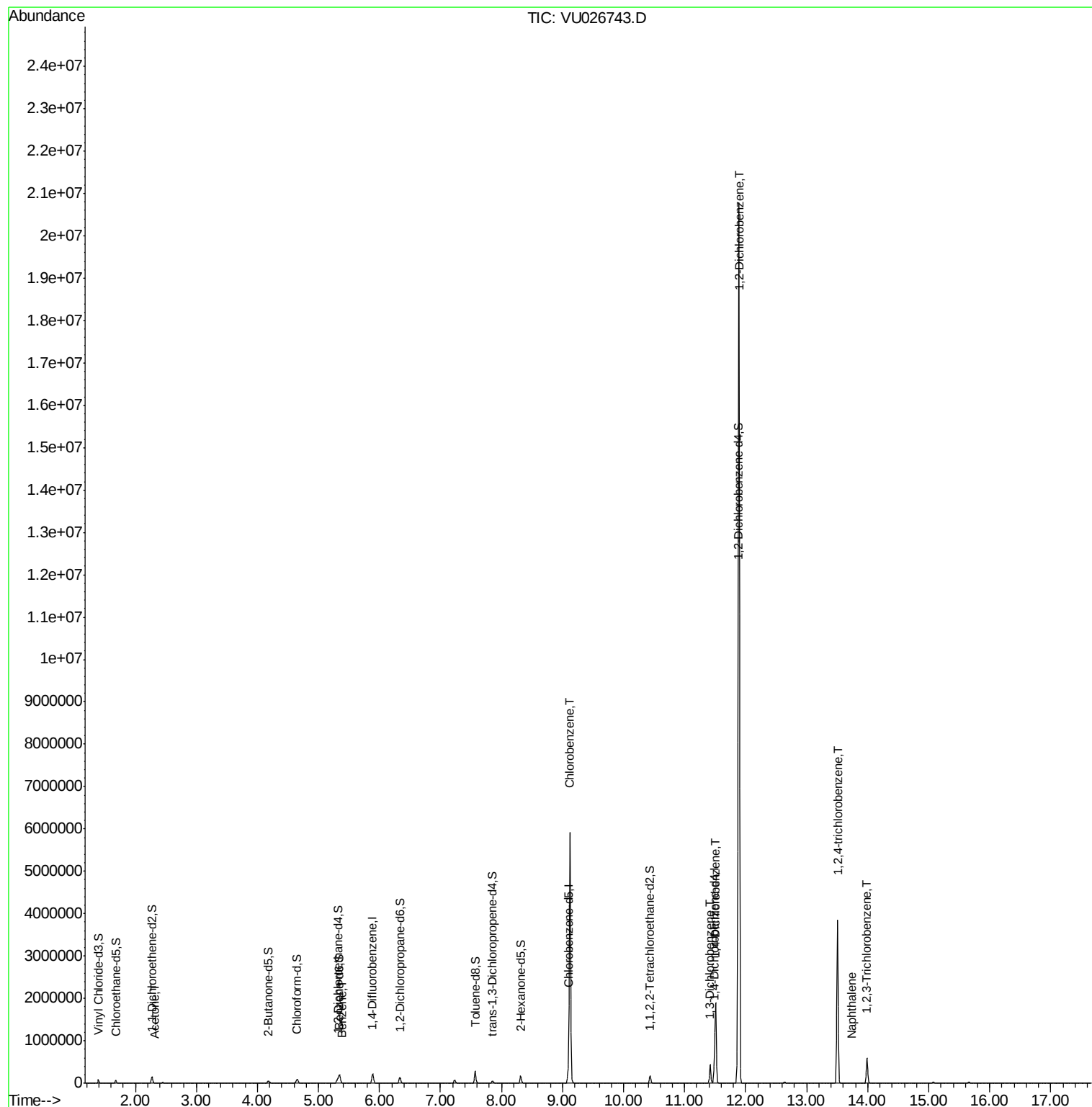
					Ovalue
13) Acetone	2.32	43	2141	2.210	ug/L 91
33) Benzene	5.39	78	3889	0.785	ug/L 100
51) Chlorobenzene	9.12	112	3022157	895.839	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	178606	67.196	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	747383	265.428	ug/L 100
65) 1,2-Dichlorobenzene	11.89	146	8098181	2882.773	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	1179743	643.786	ug/L 99
69) Naphthalene	13.75	128	2114	0.376	ug/L 95
70) 1,2,3-Trichlorobenzene	13.99	180	187055	94.234	ug/L 99

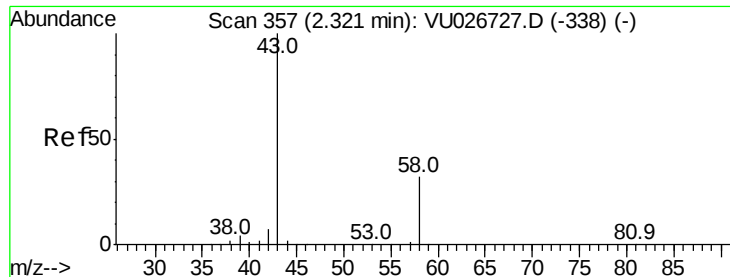
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration





#13

Acetone

Concen: 2.210 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

Instrument :

MSVOA_U

ClientSampleId :

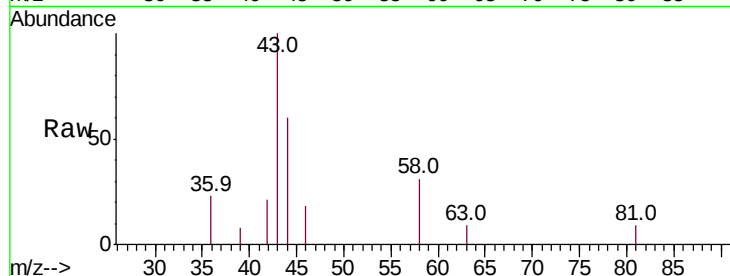
C08P0

Tot Ion: 43 Resp: 2141

Ion Ratio Lower Upper

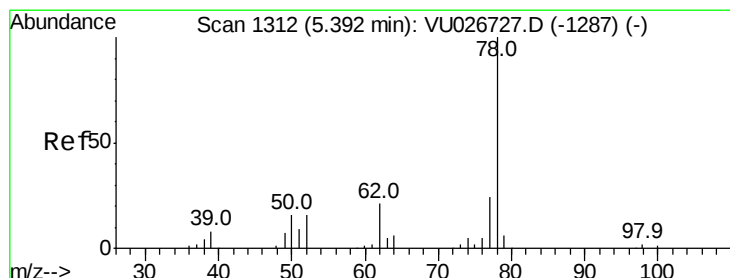
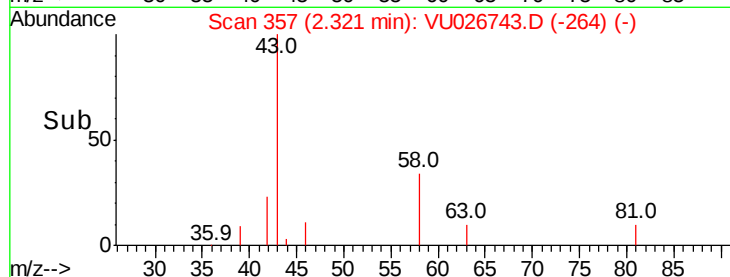
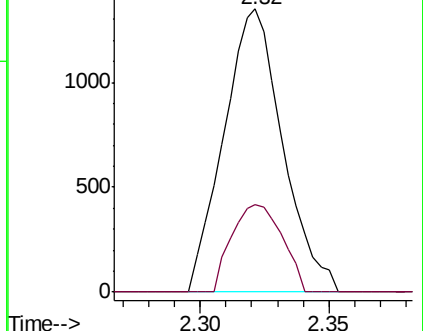
43 100

58 26.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#33

Benzene

Concen: 0.785 ug/L

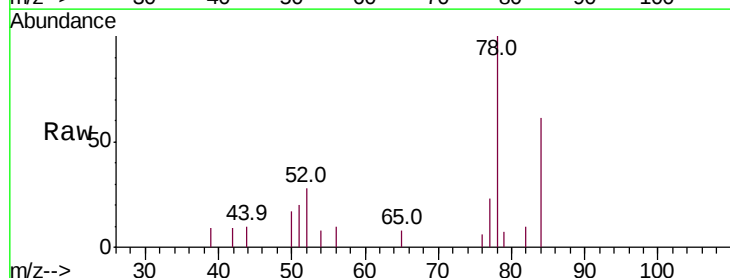
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

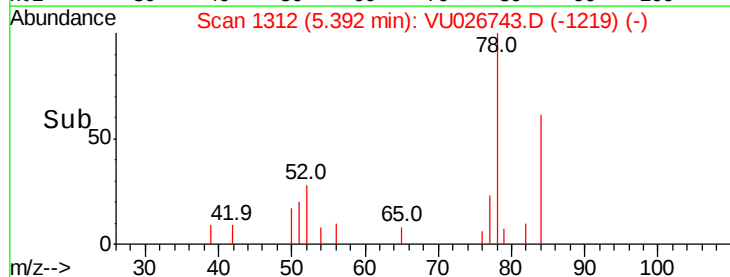
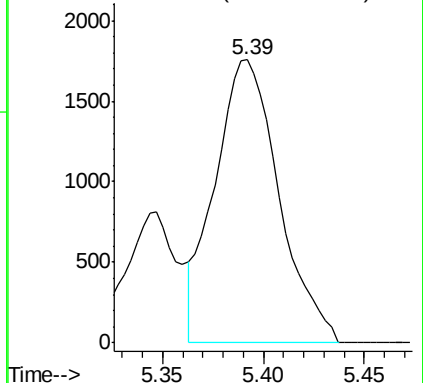
Lab File: VU026743.D

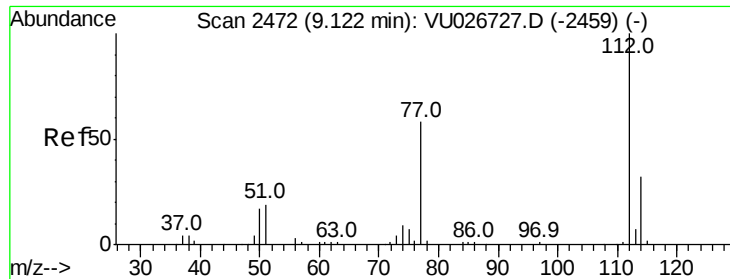
Acq: 13 Sep 2018 22:09

Tgt Ion: 78 Resp: 3889



Abundance Ion 78.00 (77.70 to 78.70): VU0





#51

Chlorobenzene

Concen: 895.839 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

Instrument :

MSVOA_U

ClientSampleId :

C08P0

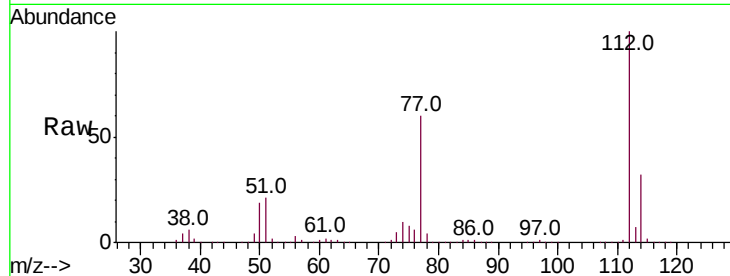
Tot Ion:112 Resp: 3022157

Ion Ratio Lower Upper

112 100

114 32.4 22.9 42.5

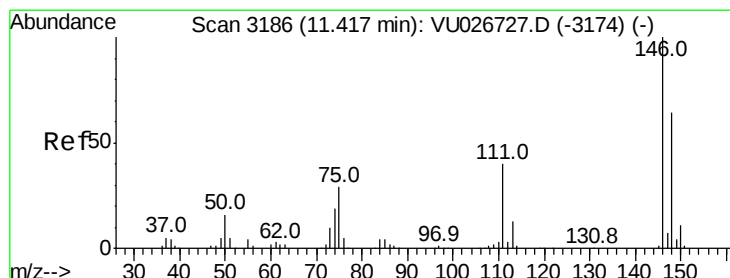
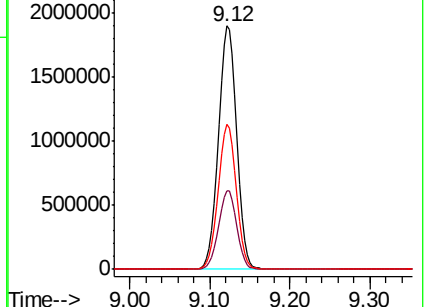
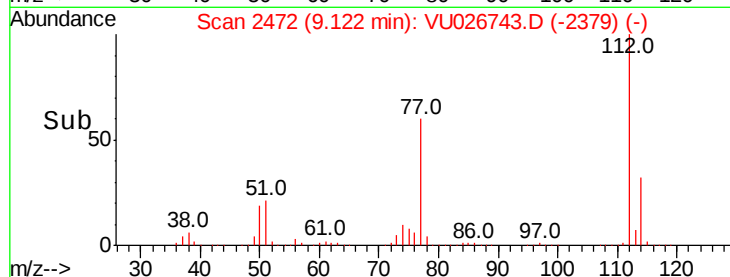
77 59.6 47.2 70.8



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: 67.196 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

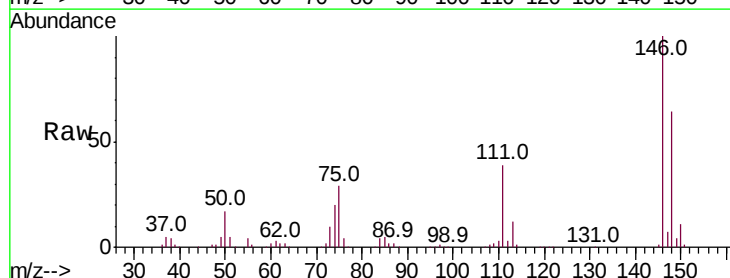
Tgt Ion:146 Resp: 178606

Ion Ratio Lower Upper

146 100

111 39.3 26.7 49.5

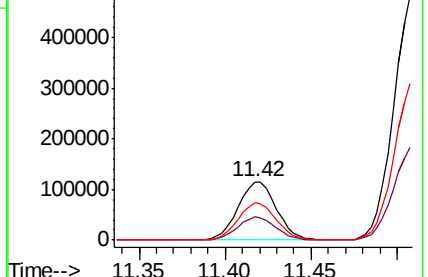
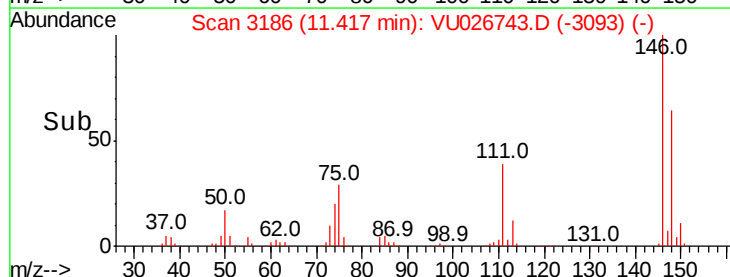
148 63.9 44.2 82.2

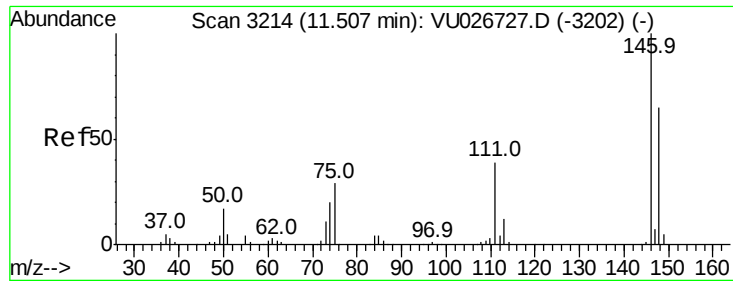


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 265.428 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

Instrument :

MSVOA_U

ClientSampled :

C08P0

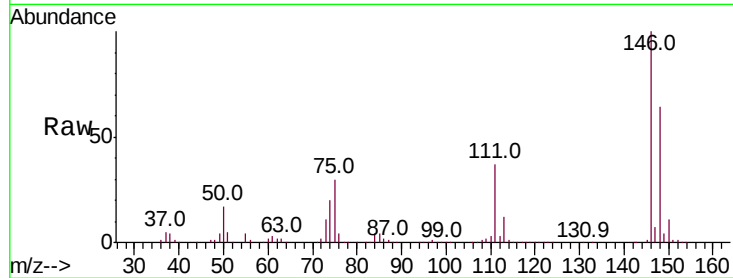
Tot Ion:146 Resp: 747383

Ion Ratio Lower Upper

146 100

111 37.4 26.5 49.3

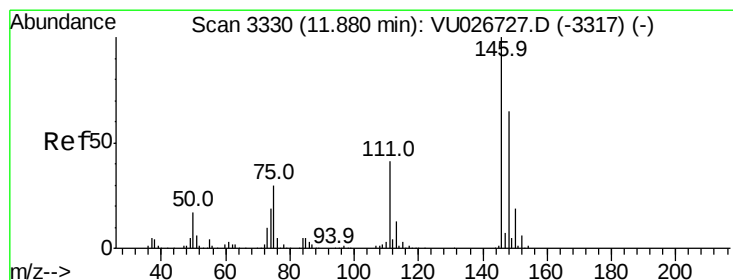
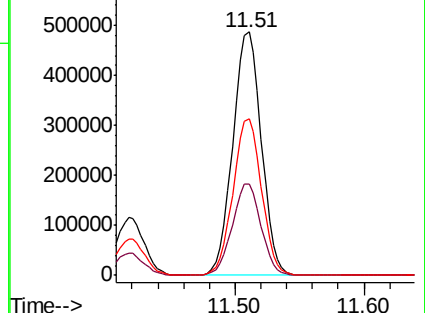
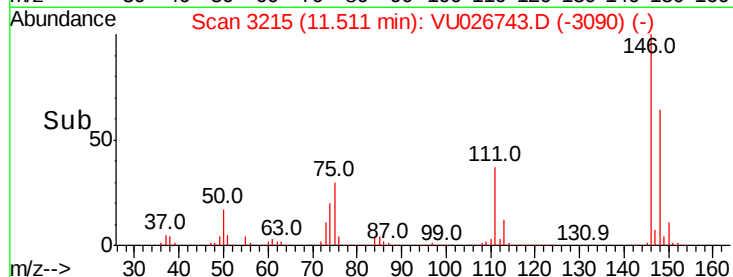
148 64.5 45.2 84.0



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: 2882.773 ug/L

RT: 11.89 min Scan# 3333

Delta R.T. 0.01 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

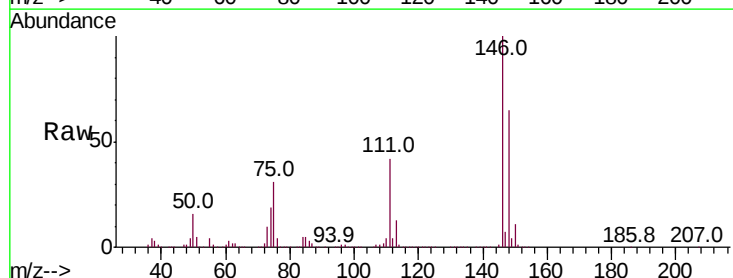
Tgt Ion:146 Resp: 8098181

Ion Ratio Lower Upper

146 100

111 42.3 32.8 49.2

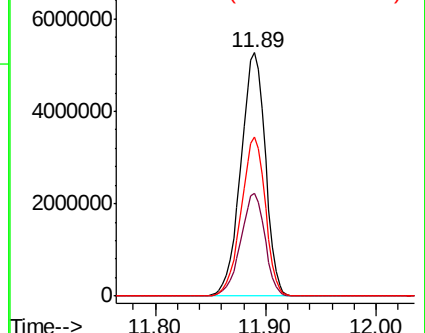
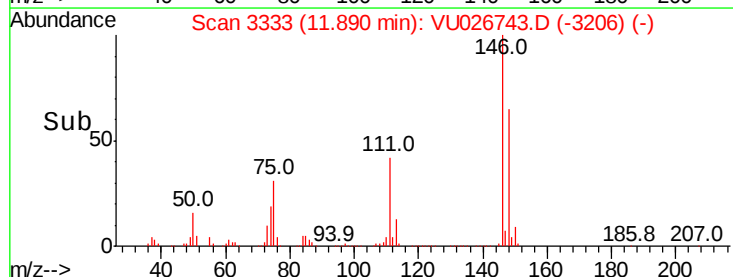
148 65.2 52.2 78.4

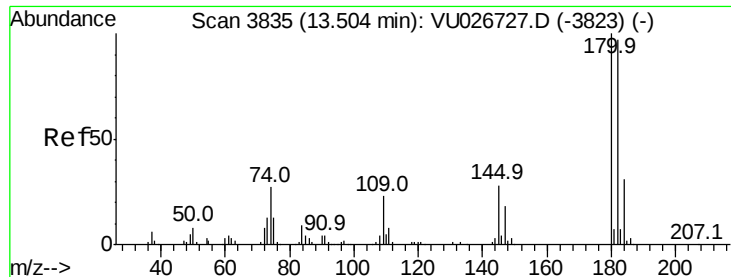


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2,4-trichlorobenzene

Concen: 643.786 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. -0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

Instrument :

MSVOA_U

ClientSampleId :

C08P0

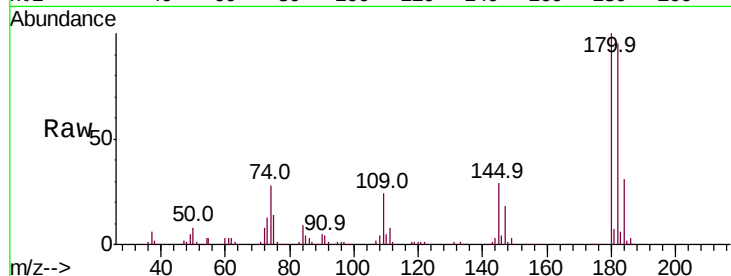
Tot Ion:180 Resp: 1179743

Ion Ratio Lower Upper

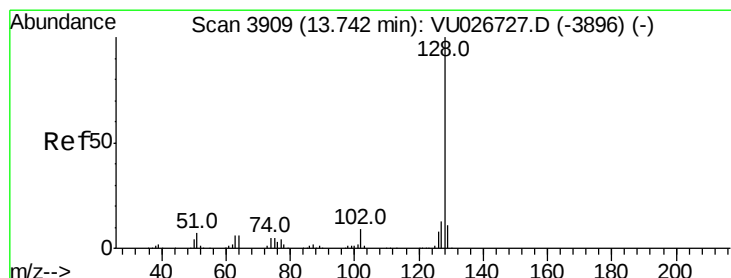
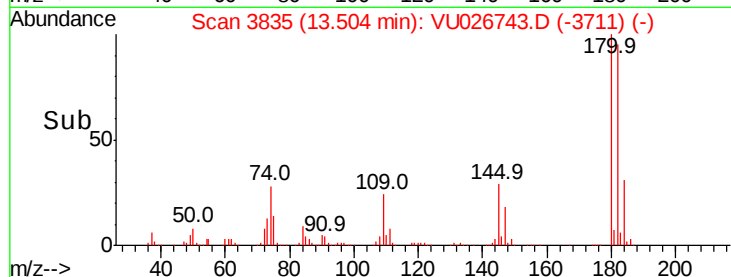
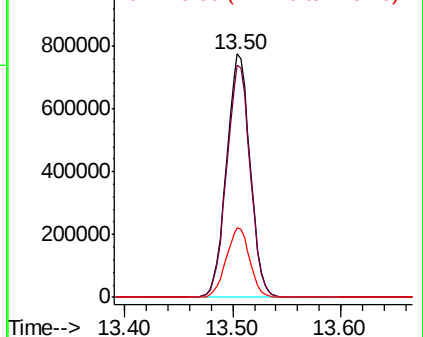
180 100

182 95.6 76.0 114.0

145 28.4 23.4 35.0



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



#69

Naphthalene

Concen: 0.376 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

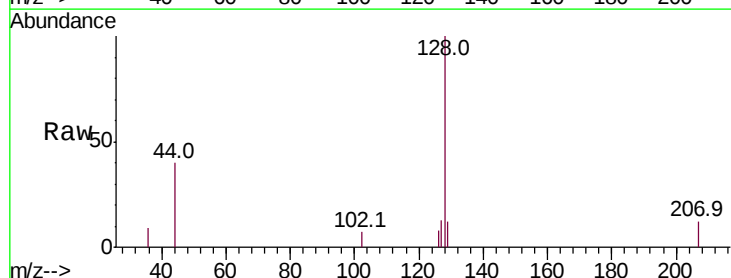
Tgt Ion:128 Resp: 2114

Ion Ratio Lower Upper

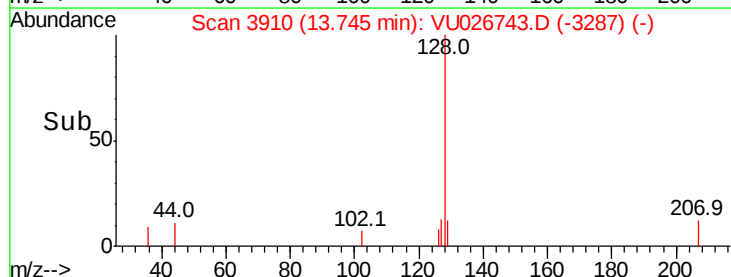
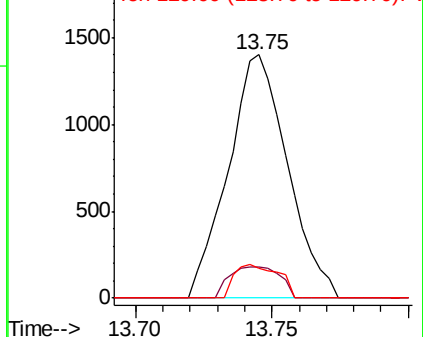
128 100

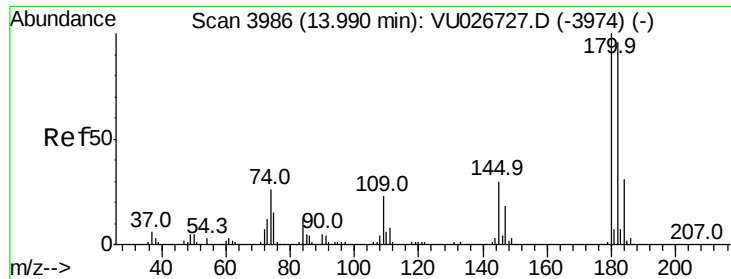
127 10.9 10.3 15.5

129 9.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

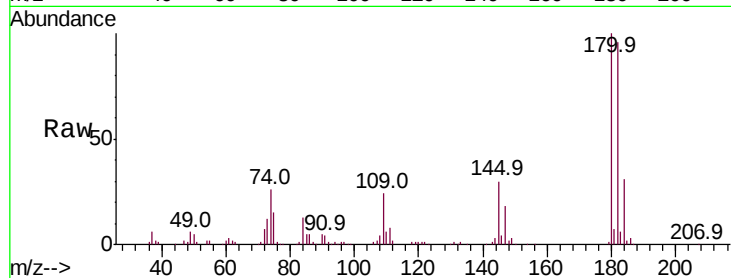




#70
 1,2,3-Trichlorobenzene
 Concen: 94.234 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. -0.00 min
 Lab File: VU026743.D
 Acq: 13 Sep 2018 22:09

Instrument :
 MSVOA_U
 ClientSampleId :
 C08P0

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
145	30.0	23.0	34.6



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

