

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\
 Data File : VU026112.D
 Acq On : 14 Aug 2018 19:56
 Operator : MD/SY
 Sample : J4402-14MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ2MS

Quant Time: Aug 16 01:46:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 01:12:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	257164	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	240476	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	103075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67627	35.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.96%
7) Chloroethane-d5	1.67	69	62077	41.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.30%
11) 1,1-Dichloroethene-d2	2.27	63	144337	40.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.82%
21) 2-Butanone-d5	4.18	46	141827	90.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.53%
24) Chloroform-d	4.65	84	179278	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.31	65	124805	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
32) Benzene-d6	5.35	84	332788	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.14%
36) 1,2-Dichloropropane-d6	6.33	67	114306	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.62%
41) Toluene-d8	7.57	98	291057	40.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.48%
43) trans-1,3-Dichloropropene-	7.85	79	54142	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.94%
47) 2-Hexanone-d5	8.31	63	96819	88.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	167023	47.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	122588	48.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.48%

Target Compounds

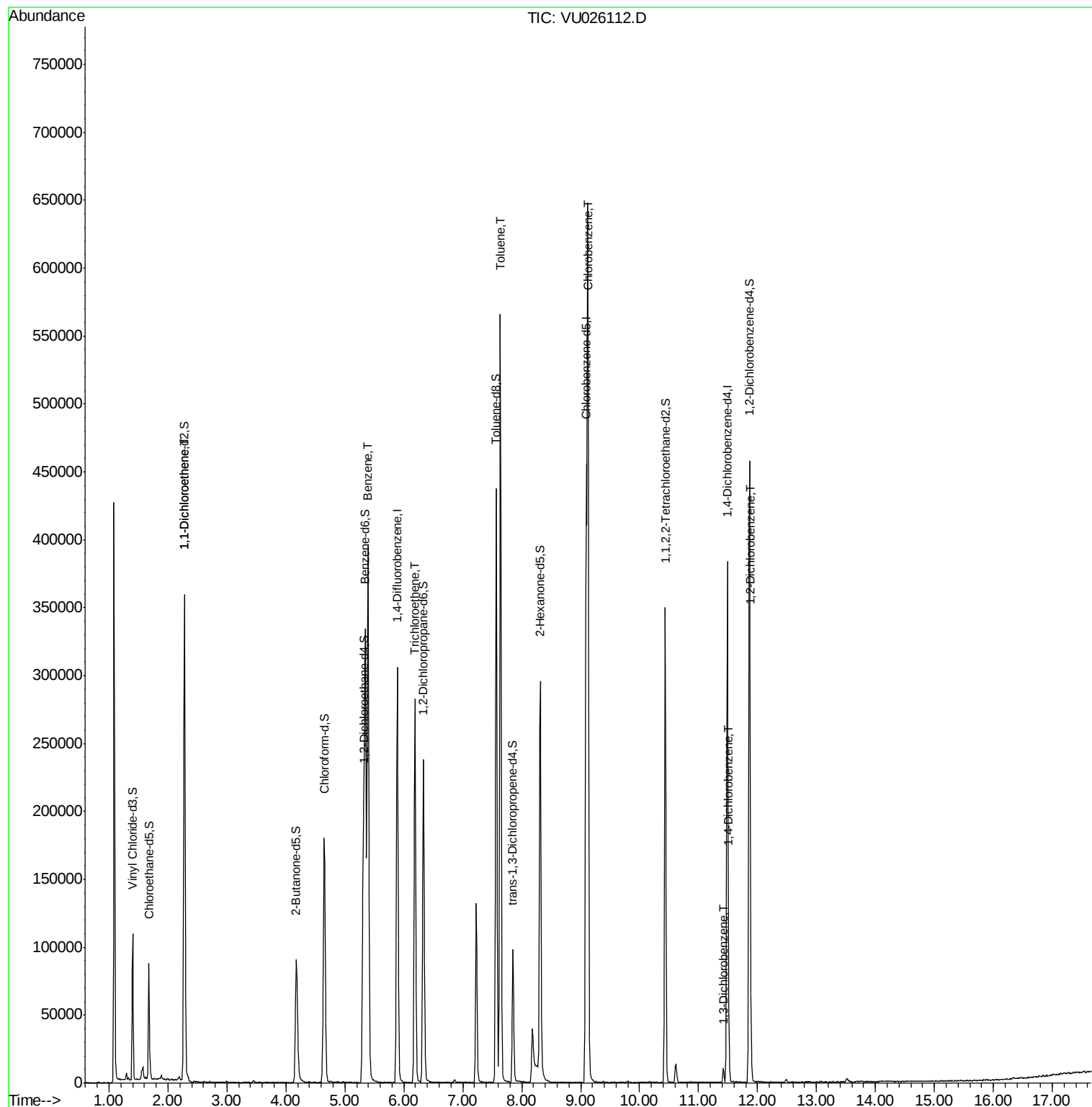
						Ovalue
12) 1,1-Dichloroethene	2.28	96	75775	51.04	ug/L	84
33) Benzene	5.39	78	386436	56.42	ug/L	100
34) Trichloroethene	6.19	95	95644	53.45	ug/L	97
42) Toluene	7.64	91	405577	55.79	ug/L	98
51) Chlorobenzene	9.12	112	335883	68.52	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	4168	1.30	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	14273	4.24	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	17517	5.13	ug/L	97

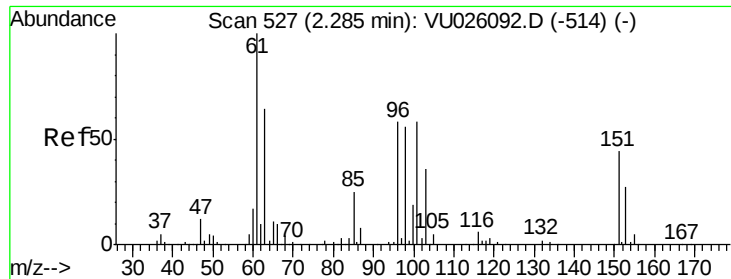
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 16 01:12:07 2018
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#12

1,1-Dichloroethene

Concen: 51.04 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ2MS

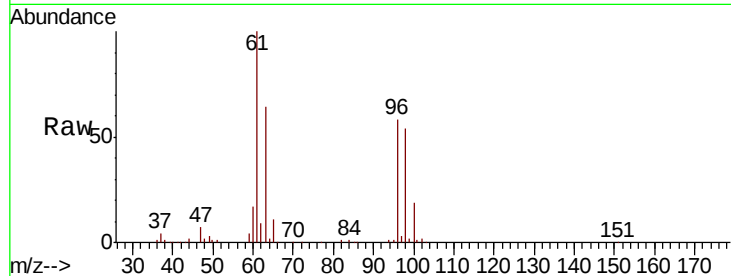
Tot Ion: 96 Resp: 75775

Ion Ratio Lower Upper

96 100

61 172.6 121.2 225.2

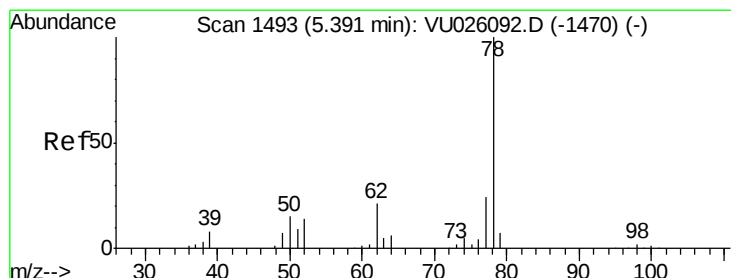
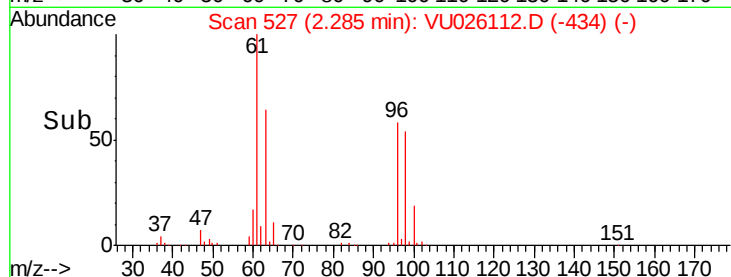
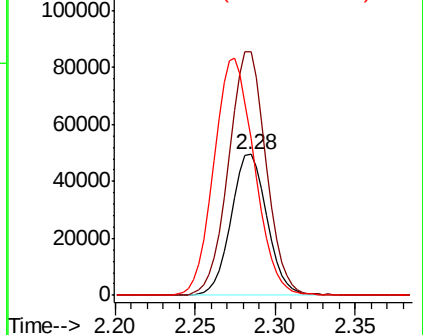
63 111.1 108.7 201.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#33

Benzene

Concen: 56.42 ug/L

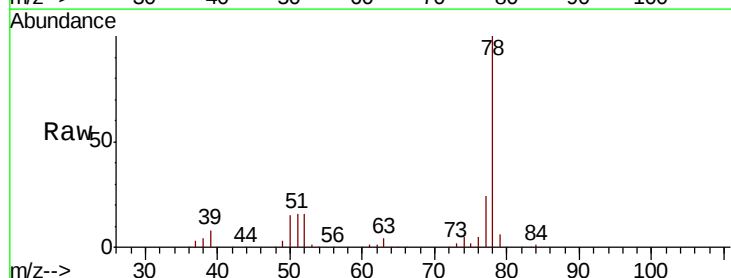
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

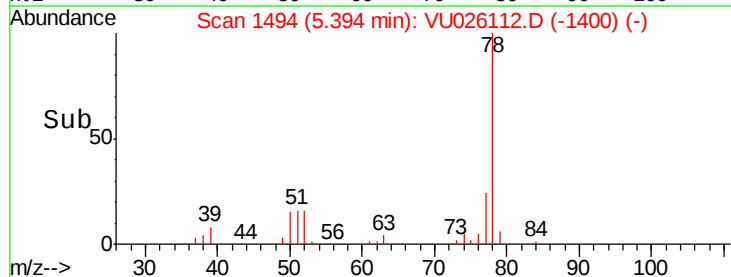
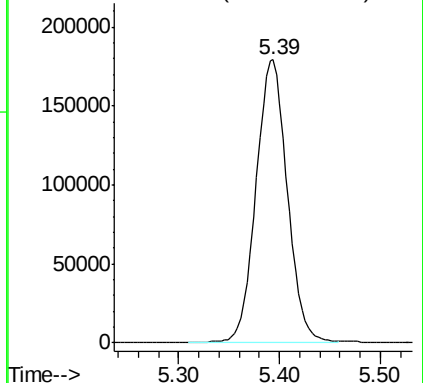
Lab File: VU026112.D

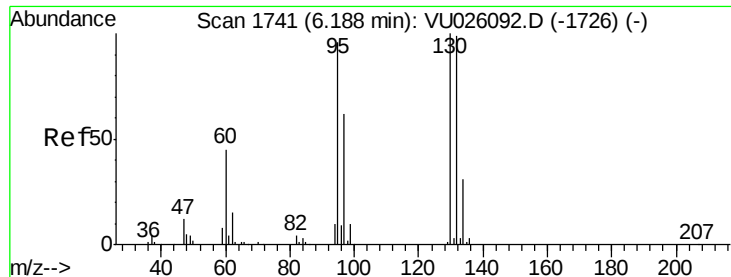
Acq: 14 Aug 2018 19:56

Tgt Ion: 78 Resp: 386436



Abundance Ion 78.00 (77.70 to 78.70): VU0

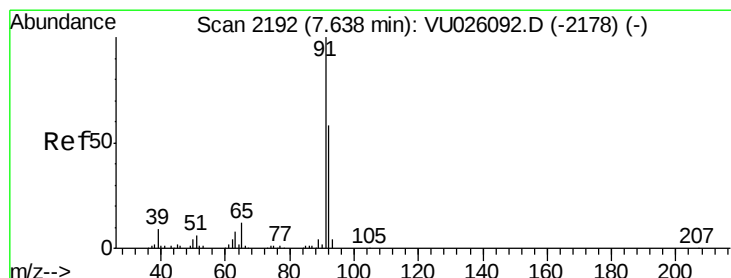
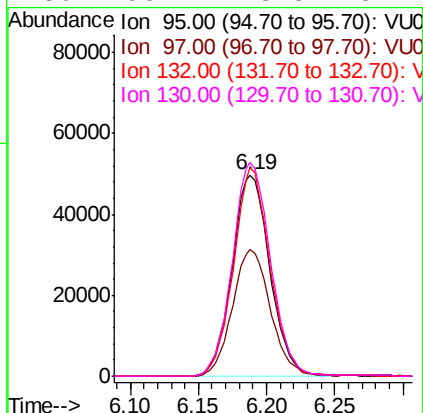
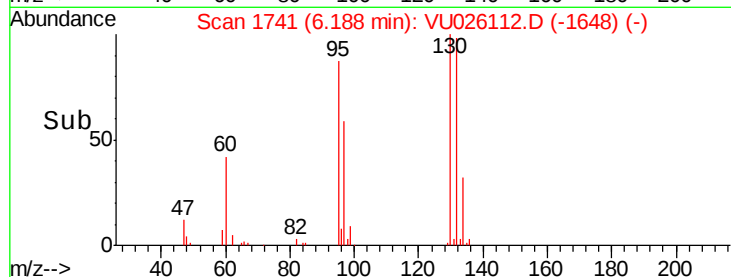
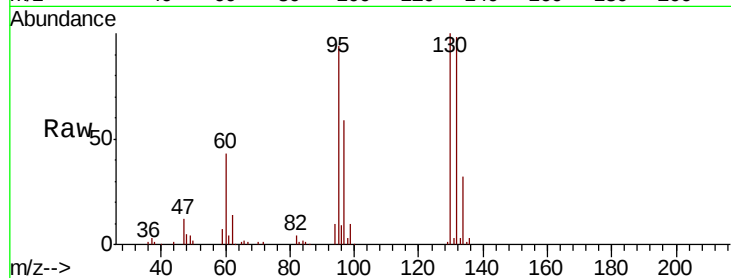




#34
 Trichloroethene
 Concen: 53.45 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026112.D
 Acq: 14 Aug 2018 19:56

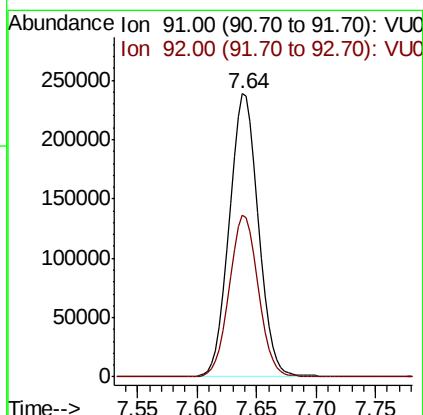
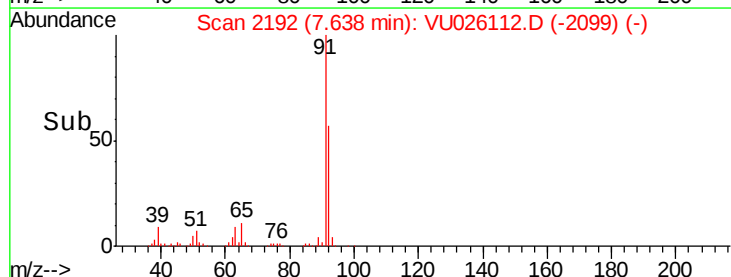
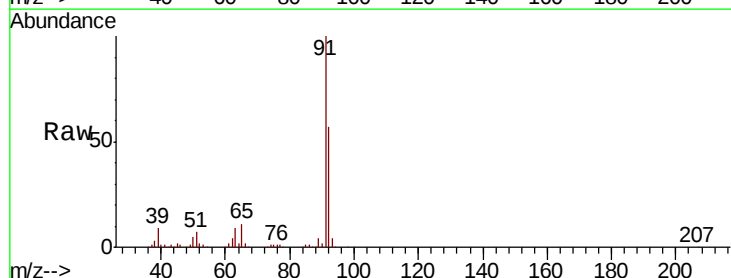
Instrument :
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 ClientSampleId :
 A4ZJ2MS

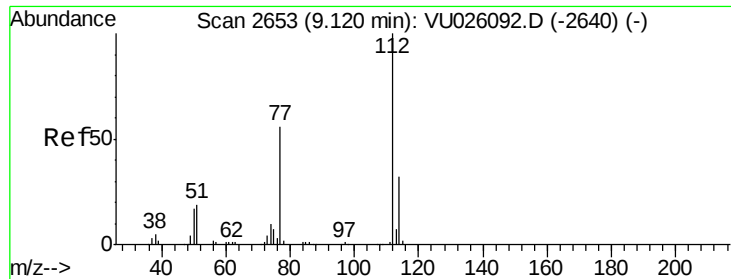
Tot Ion	95	Resp	95644
Ion	Ratio	Lower	Upper
95	100		
97	62.8	45.2	84.0
132	104.0	68.2	126.6
130	106.2	73.8	137.2



#42
 Toluene
 Concen: 55.79 ug/L
 RT: 7.64 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VU026112.D
 Acq: 14 Aug 2018 19:56

Tgt Ion	91	Resp	405577
Ion	Ratio	Lower	Upper
91	100		
92	57.3	41.0	76.2





#51

Chlorobenzene

Concen: 68.52 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ2MS

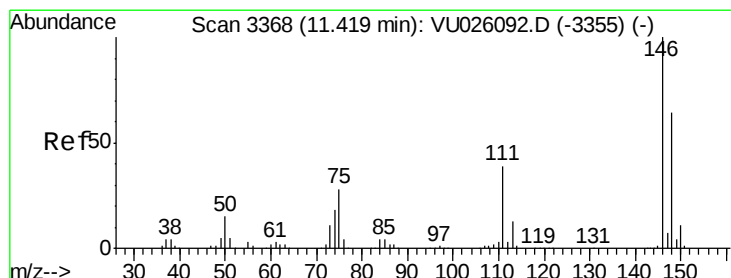
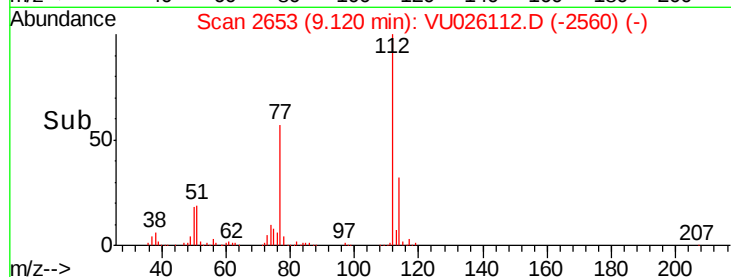
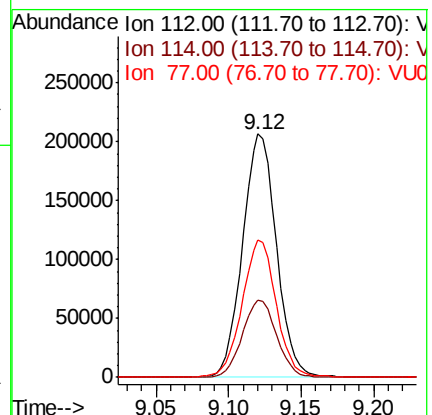
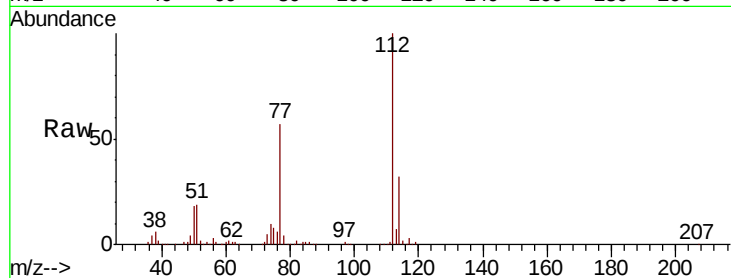
Tot Ion:112 Resp: 335883

Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

77 56.6 45.2 67.8



#62

1,3-Dichlorobenzene

Concen: 1.30 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

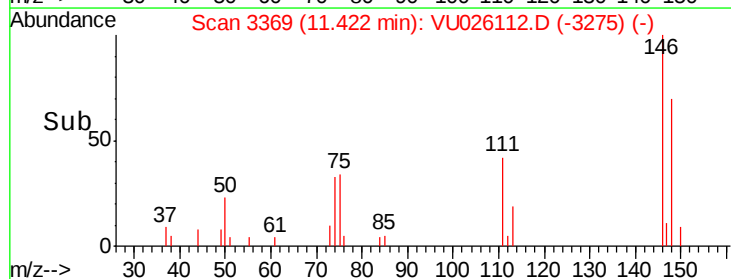
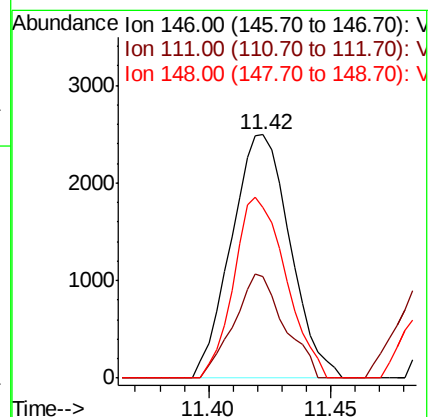
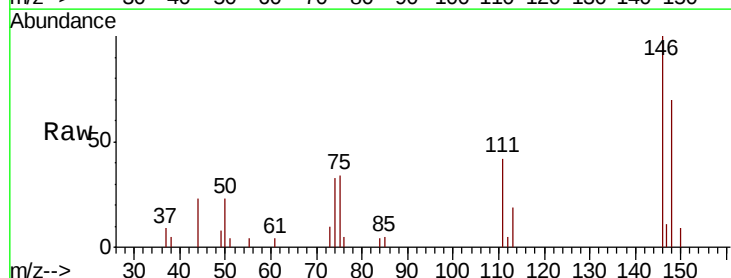
Tgt Ion:146 Resp: 4168

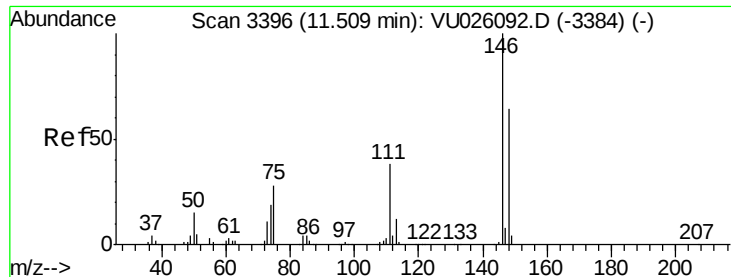
Ion Ratio Lower Upper

146 100

111 41.6 27.9 51.9

148 70.0 46.0 85.4





#63

1,4-Dichlorobenzene

Concen: 4.24 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ2MS

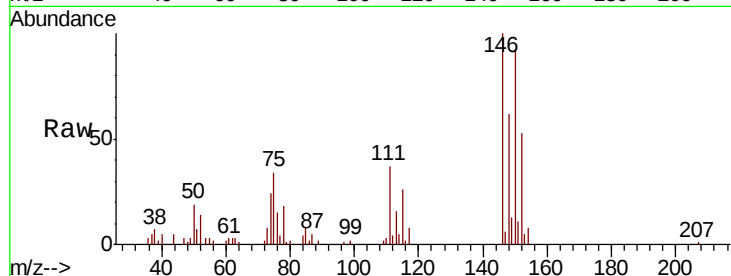
Tot Ion:146 Resp: 14273

Ion Ratio Lower Upper

146 100

111 36.8 26.4 49.0

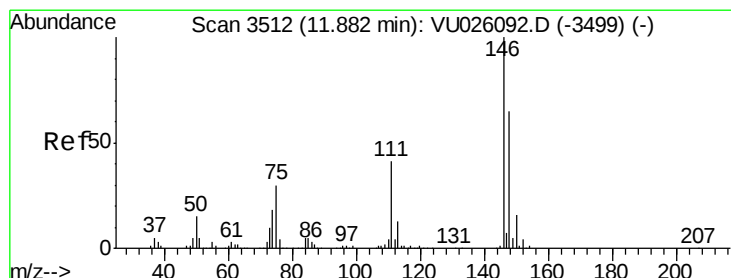
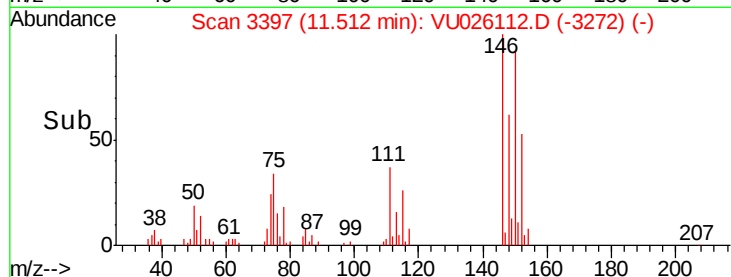
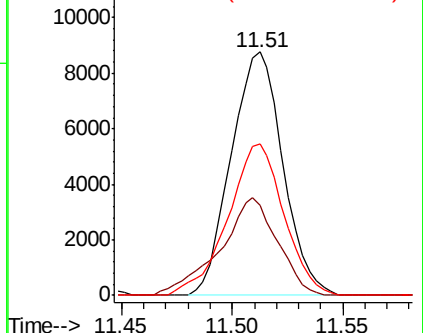
148 62.0 43.8 81.4



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



#65

1,2-Dichlorobenzene

Concen: 5.13 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

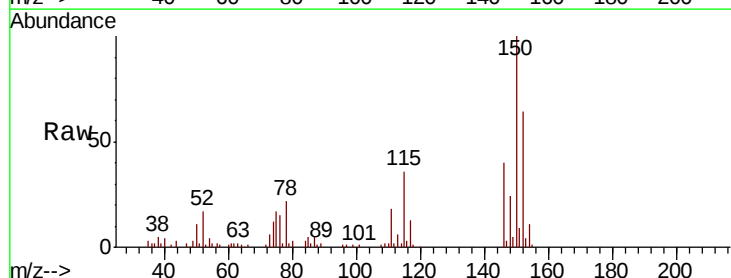
Tgt Ion:146 Resp: 17517

Ion Ratio Lower Upper

146 100

111 43.6 32.4 48.6

148 60.7 50.1 75.1



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

