

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026025.D
 Acq On : 10 Aug 2018 03:19
 Operator : MD/SY
 Sample : J4401-09 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9

Quant Time: Aug 10 08:24:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 07:39:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	304733	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	296655	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	159887	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77031	34.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.16%
7) Chloroethane-d5	1.68	69	69166	39.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.34%
11) 1,1-Dichloroethene-d2	2.27	63	120547	28.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.96%#
21) 2-Butanone-d5	4.18	46	155111	83.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.55%
24) Chloroform-d	4.65	84	197431	41.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	5.31	65	138117	43.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.58%
32) Benzene-d6	5.35	84	380277	41.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.56%
36) 1,2-Dichloropropane-d6	6.33	67	124633	41.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.62%
41) Toluene-d8	7.57	98	348732	39.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.14%#
43) trans-1,3-Dichloropropene-	7.85	79	57670	38.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.80%
47) 2-Hexanone-d5	8.31	63	108261	79.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.97%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	182046	41.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.52%
64) 1,2-Dichlorobenzene-d4	11.87	152	165744	42.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.10%

Target Compounds

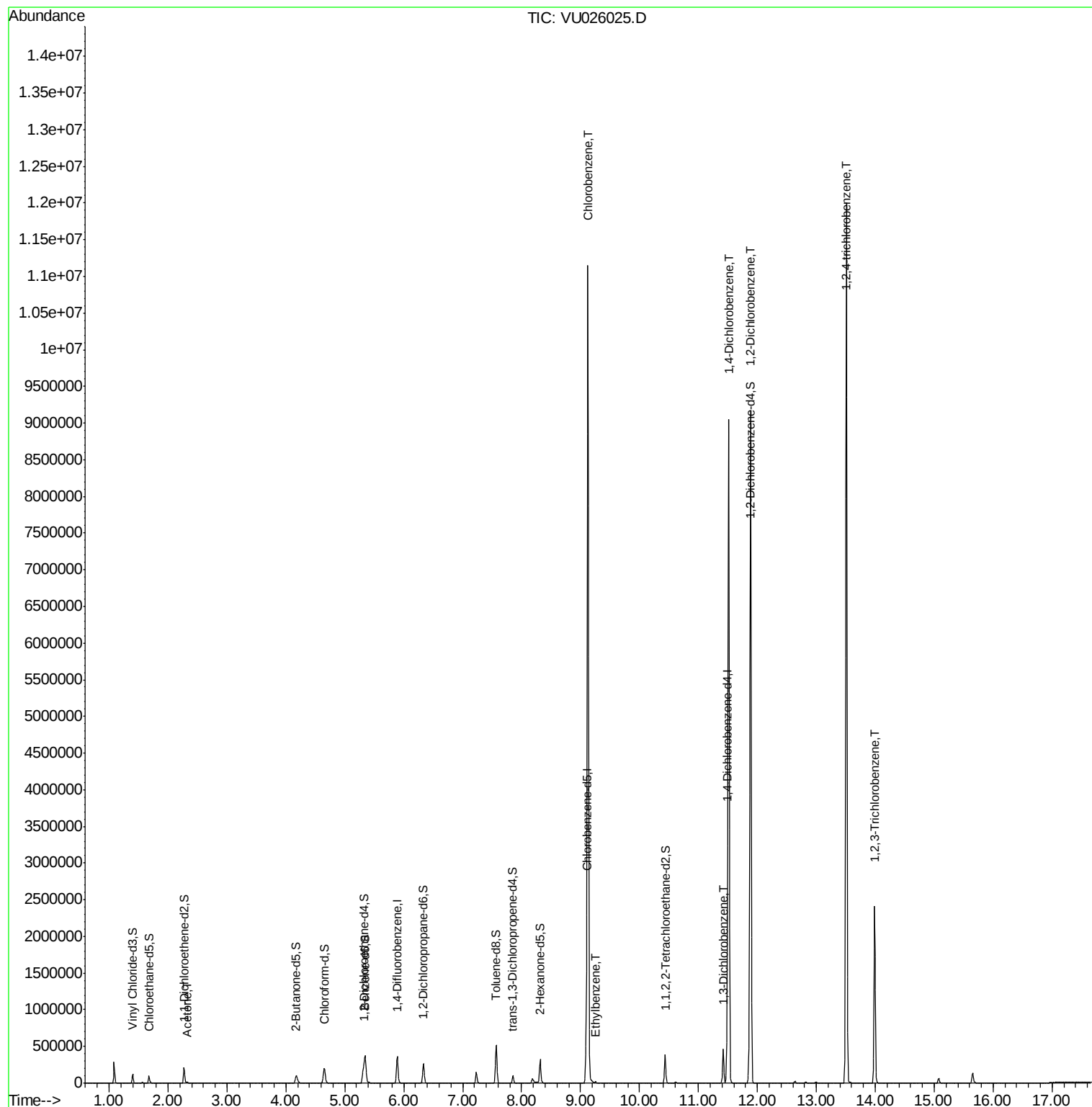
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	13806	11.97	ug/L	99
51) Chlorobenzene	9.12	112	5893395	974.59	ug/L	99
52) Ethylbenzene	9.25	91	12464	1.27	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	189809	38.13	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	3545958	679.56	ug/L	98
65) 1,2-Dichlorobenzene	11.89	146	3626491	684.47	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	3571805	1135.37	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	733217	216.85	ug/L	99

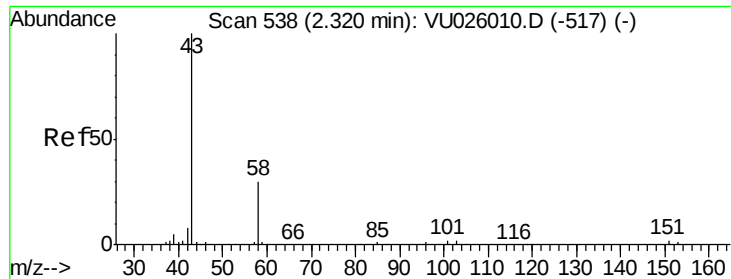
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 11.97 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026025.D

Acq: 10 Aug 2018 03:19

Instrument :

MSVOA_U

ClientSampleId :

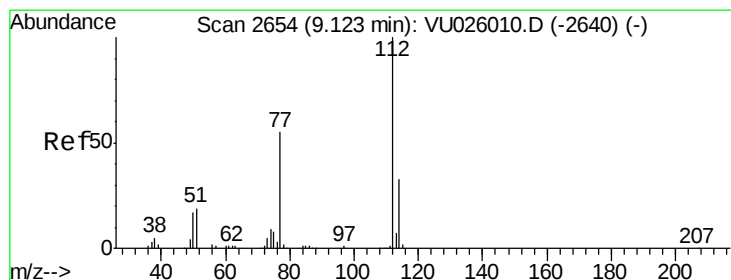
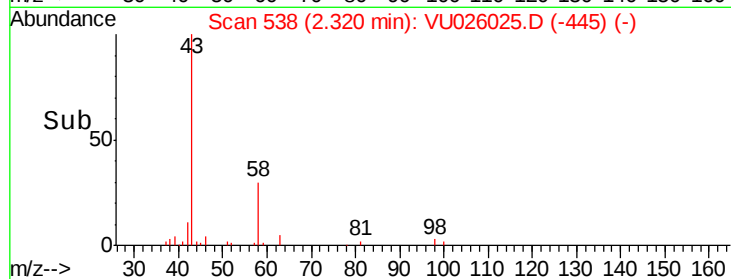
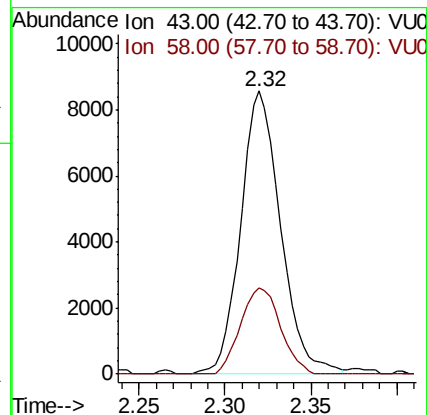
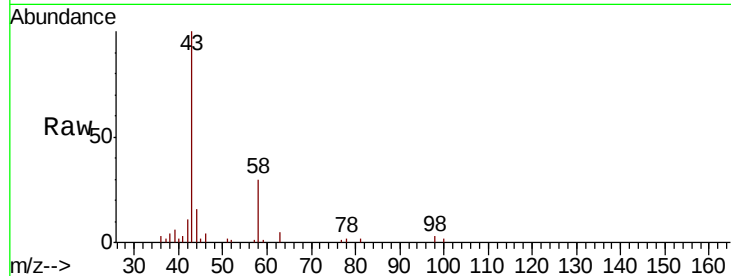
A4ZE9

Tot Ion: 43 Resp: 13806

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.8



#51

Chlorobenzene

Concen: 974.59 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU026025.D

Acq: 10 Aug 2018 03:19

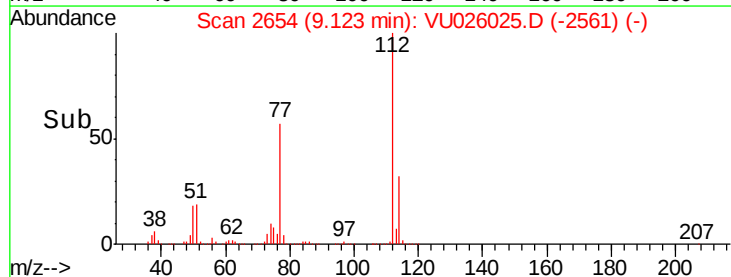
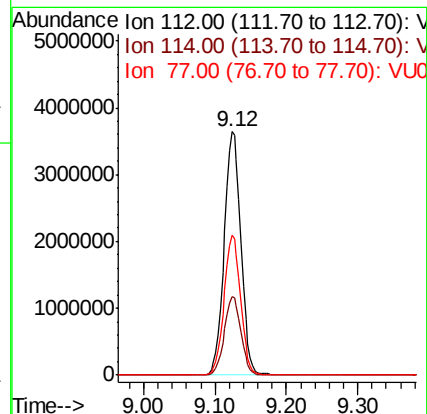
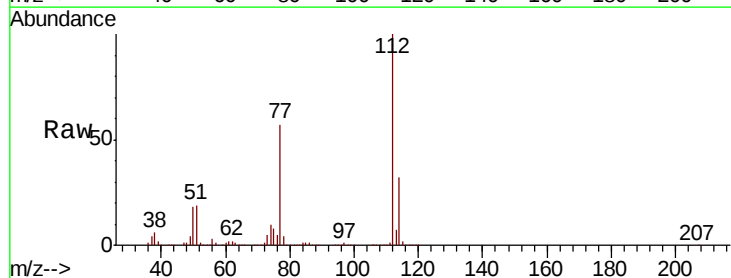
Tgt Ion: 112 Resp: 5893395

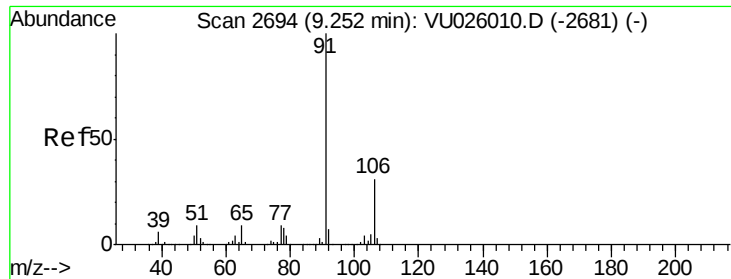
Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.3

77 57.4 45.2 67.8





#52

Ethylbenzene

Concen: 1.27 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026025.D

Acq: 10 Aug 2018 03:19

Instrument :

MSVOA_U

ClientSampleId :

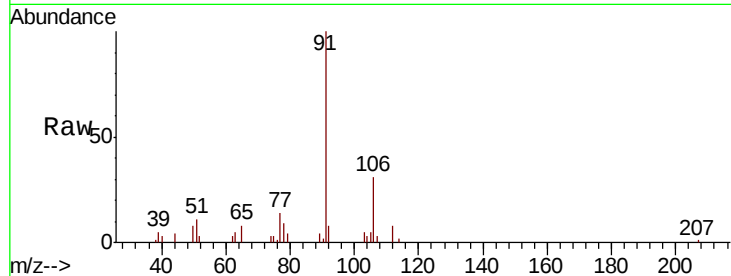
A4ZE9

Tot Ion: 91 Resp: 12464

Ion Ratio Lower Upper

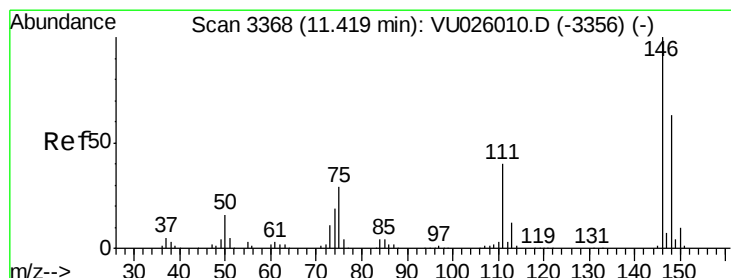
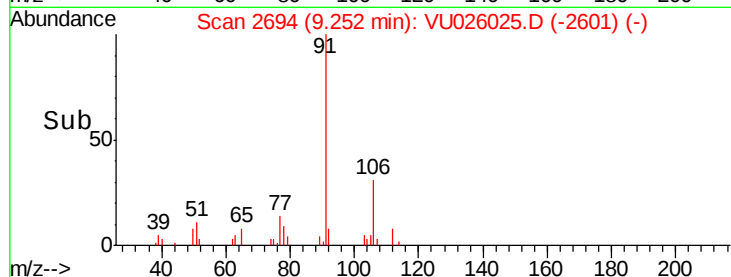
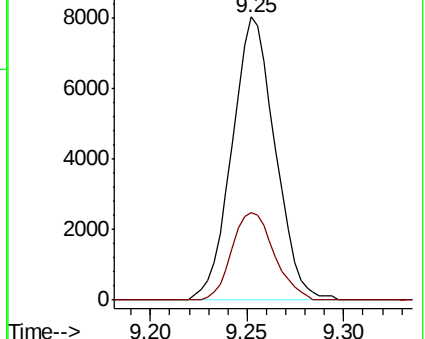
91 100

106 30.8 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU026010.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU026010.D (-2681) (-)



#62

1,3-Dichlorobenzene

Concen: 38.13 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026025.D

Acq: 10 Aug 2018 03:19

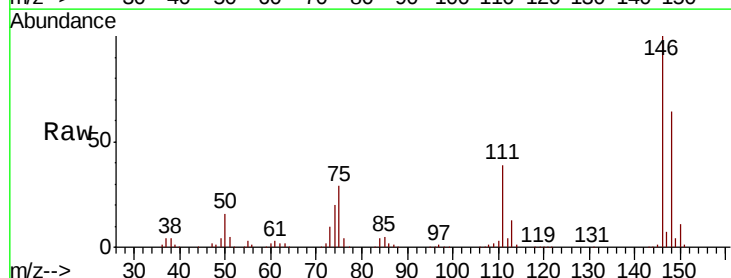
Tgt Ion: 146 Resp: 189809

Ion Ratio Lower Upper

146 100

111 39.3 27.9 51.9

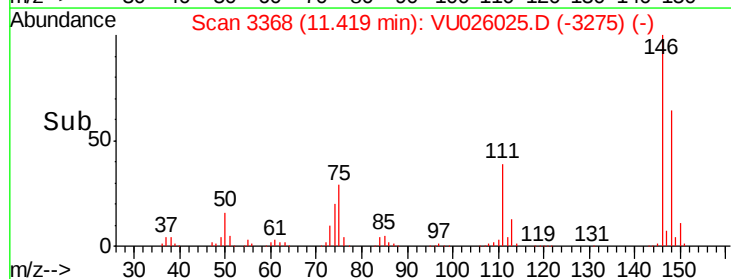
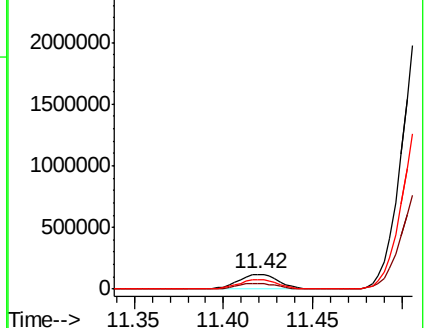
148 63.6 46.0 85.4

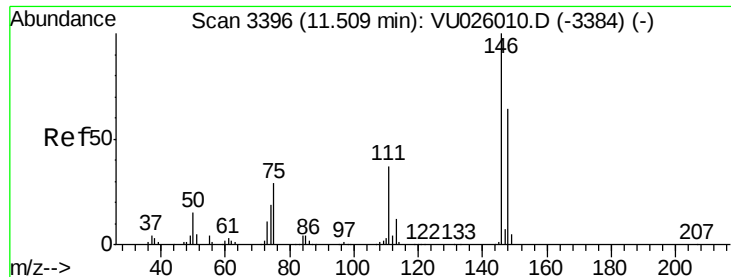


Abundance Ion 146.00 (145.70 to 146.70): VU026010.D (-3356) (-)

Ion 111.00 (110.70 to 111.70): VU026010.D (-3356) (-)

Ion 148.00 (147.70 to 148.70): VU026010.D (-3356) (-)

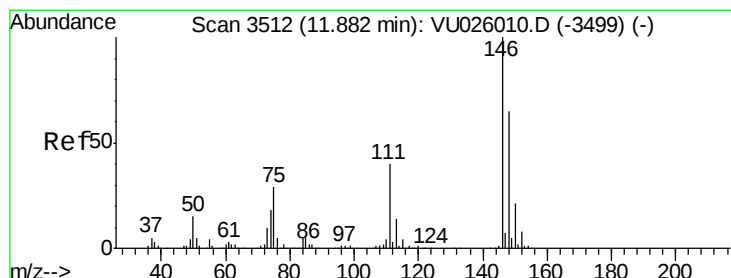
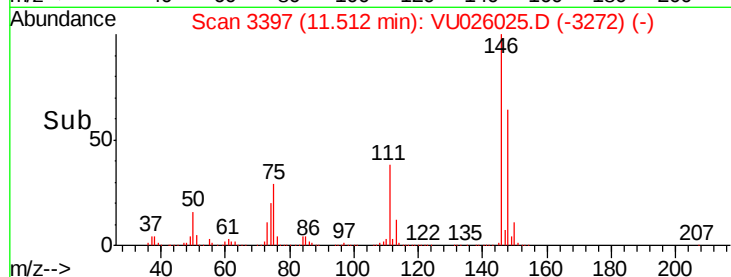
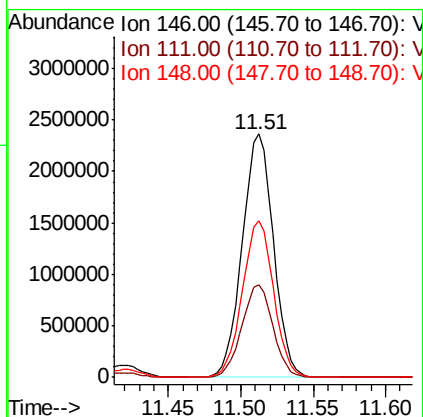
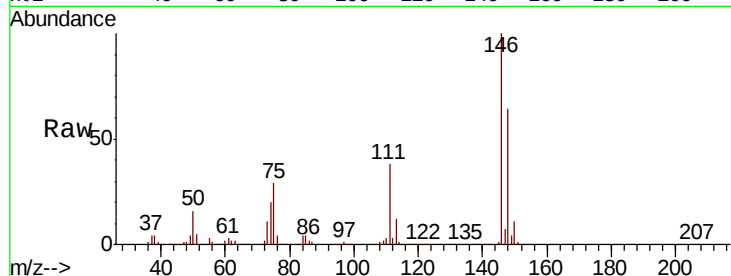




#63
 1,4-Dichlorobenzene
 Concen: 679.56 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU026025.D
 Acq: 10 Aug 2018 03:19

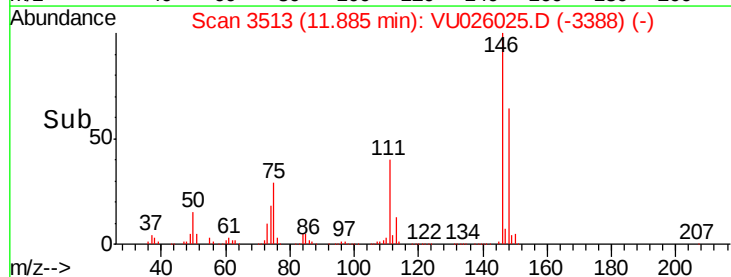
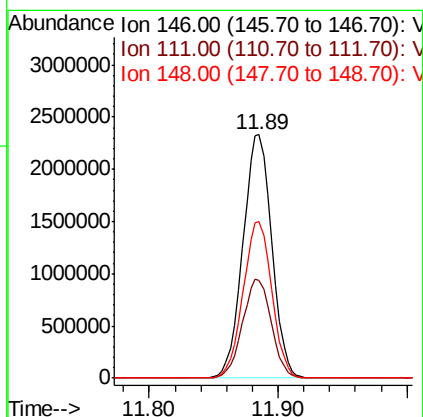
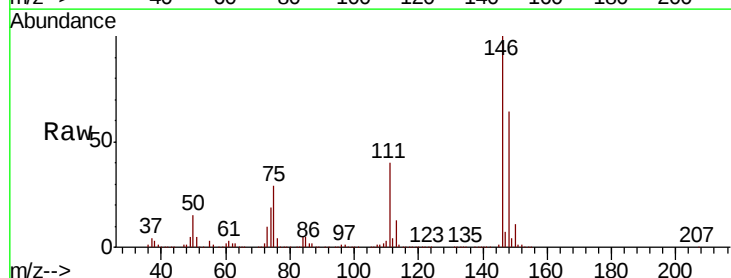
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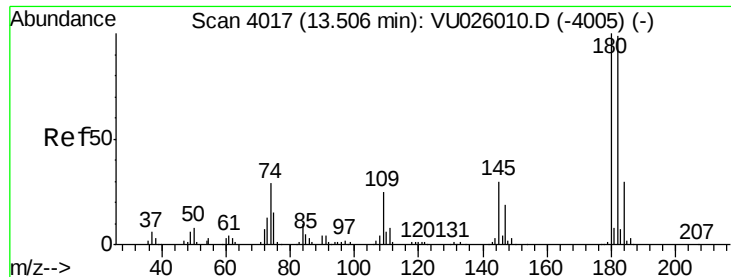
Tot Ion:146 Resp: 3545958
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.4 49.0
 148 64.3 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 684.47 ug/L
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU026025.D
 Acq: 10 Aug 2018 03:19

Tgt Ion:146 Resp: 3626491
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.4 48.6
 148 64.2 50.1 75.1

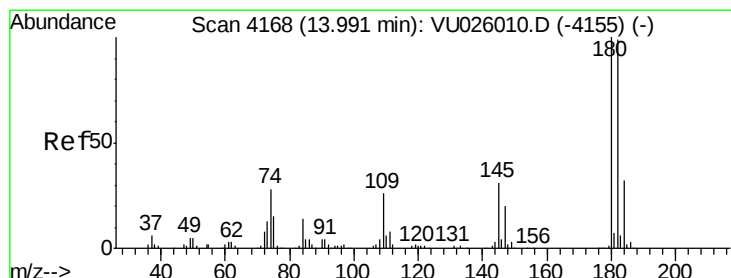
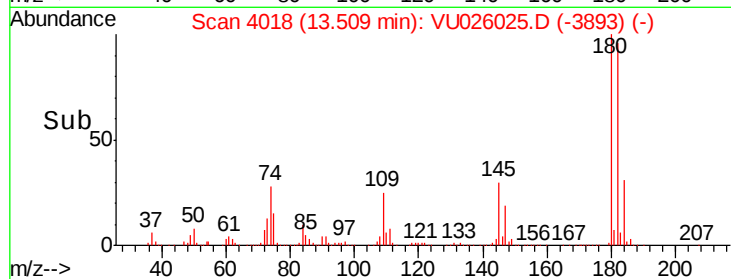
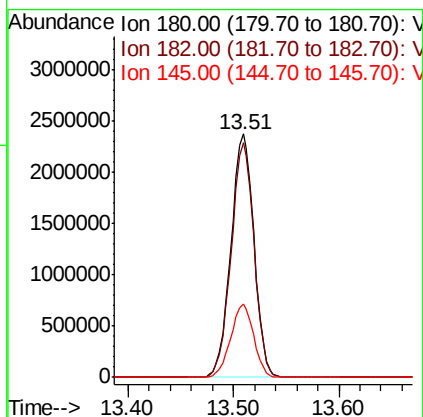
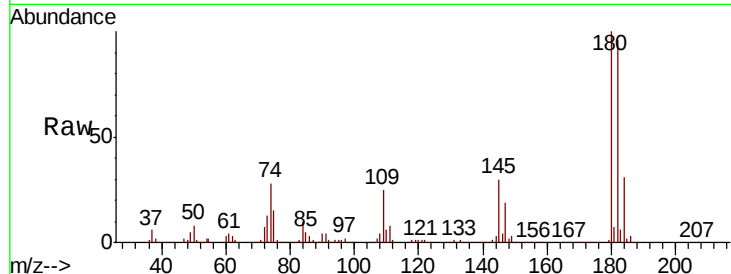




#68
 1,2,4-trichlorobenzene
 Concen: 1135.37 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026025.D
 Acq: 10 Aug 2018 03:19

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9

Tot Ion:180 Resp: 3571805
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.5 114.7
 145 29.9 24.2 36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 216.85 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU026025.D
 Acq: 10 Aug 2018 03:19

Tgt Ion:180 Resp: 733217
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.5 114.7
 145 31.5 24.7 37.1

