

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026065.D
 Acq On : 13 Aug 2018 13:56
 Operator : MD/SY
 Sample : J4401-18DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZG0DL

Quant Time: Aug 14 01:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 01:13:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	297135	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	269383	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	116063	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99618	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.74%
7) Chloroethane-d5	1.68	69	82053	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.30%
11) 1,1-Dichloroethene-d2	2.27	63	154487	37.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.86%
21) 2-Butanone-d5	4.18	46	146718	81.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.05%
24) Chloroform-d	4.65	84	206593	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.72%
26) 1,2-Dichloroethane-d4	5.31	65	142885	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
32) Benzene-d6	5.34	84	406621	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.22%
36) 1,2-Dichloropropane-d6	6.33	67	132452	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.88%
41) Toluene-d8	7.57	98	366124	45.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.50%
43) trans-1,3-Dichloropropene-	7.85	79	60497	44.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.72%
47) 2-Hexanone-d5	8.31	63	101737	82.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.76%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	177538	44.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	140783	49.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.42%

Target Compounds

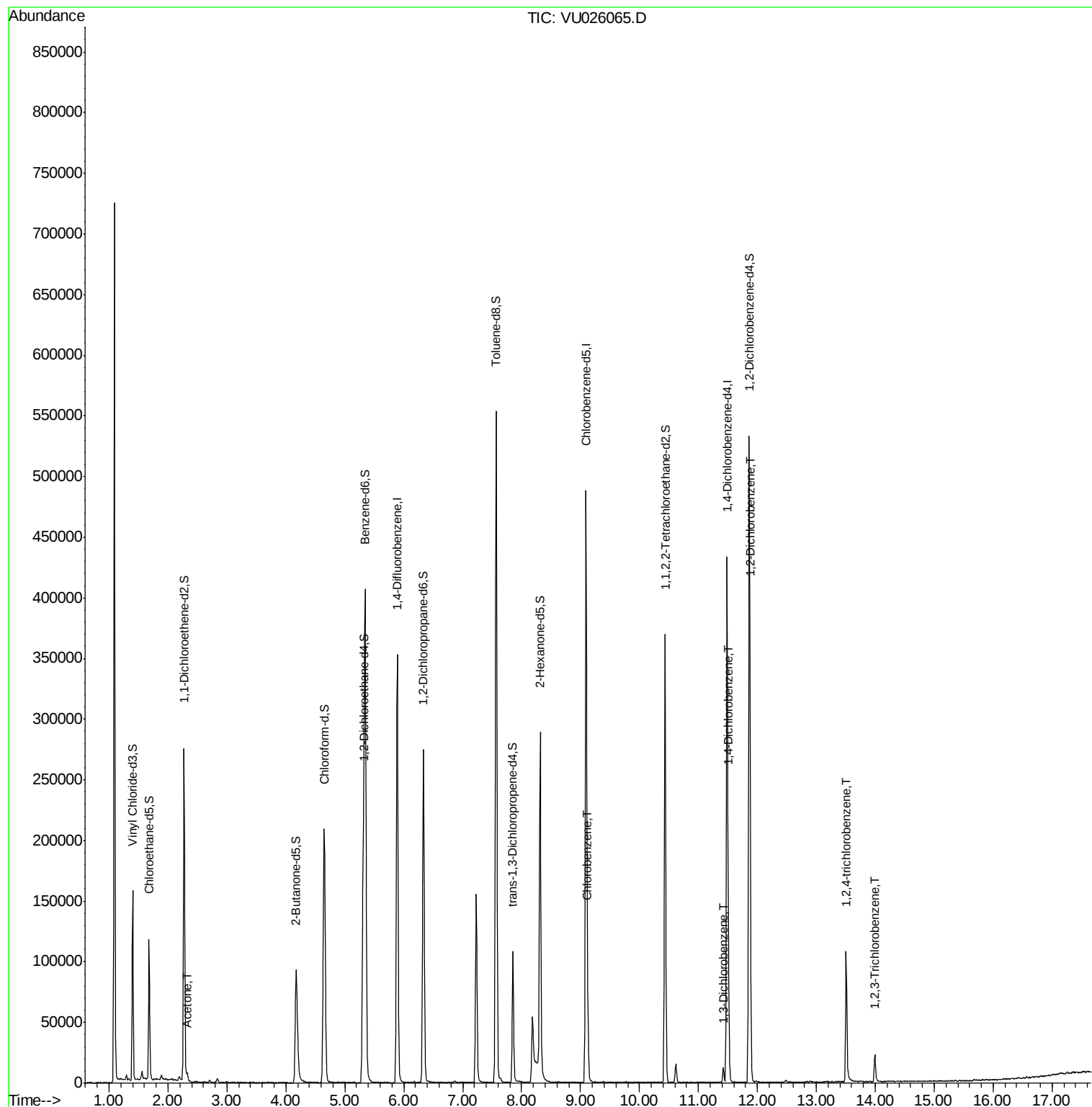
					Ovalue
13) Acetone	2.32	43	6231	5.54 ug/L	90
51) Chlorobenzene	9.12	112	31708	5.77 ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	5771	1.60 ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	25965	6.85 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	31168	8.10 ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	36524	15.99 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	8577	3.49 ug/L	98

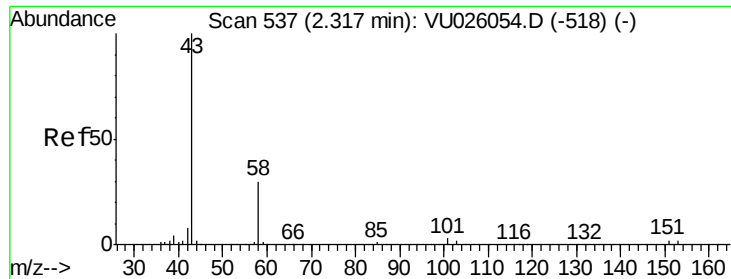
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 14 01:13:22 2018
Response via : Initial Calibration





#13

Acetone

Concen: 5.54 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026065.D

Acq: 13 Aug 2018 13:56

Instrument :

MSVOA_U

ClientSampleId :

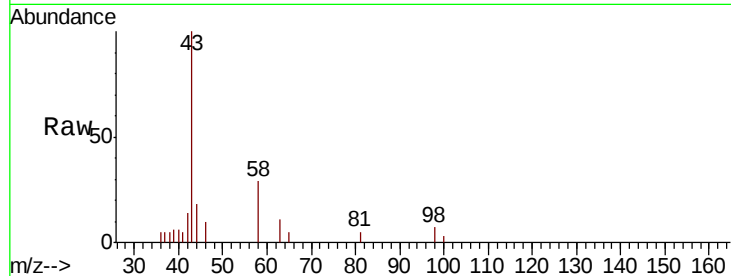
A4ZG0DL

Tot Ion: 43 Resp: 6231

Ion Ratio Lower Upper

43 100

58 25.6 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU026054.D (-518) (-)

Ion 58.00 (57.70 to 58.70): VU026054.D (-518) (-)

2.32

4000

3000

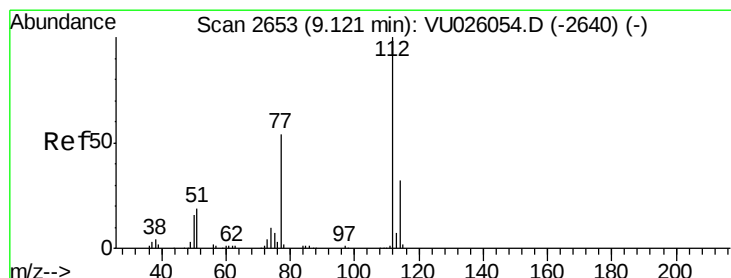
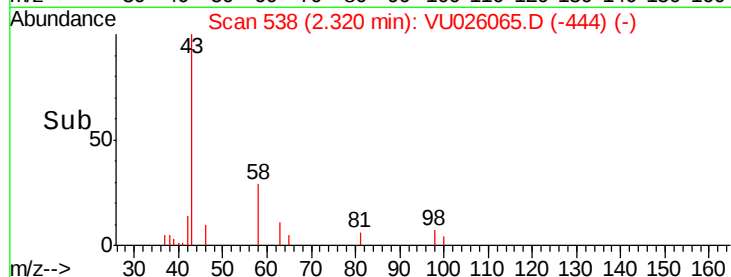
2000

1000

0

2.30 2.35

Time-->



#51

Chlorobenzene

Concen: 5.77 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026065.D

Acq: 13 Aug 2018 13:56

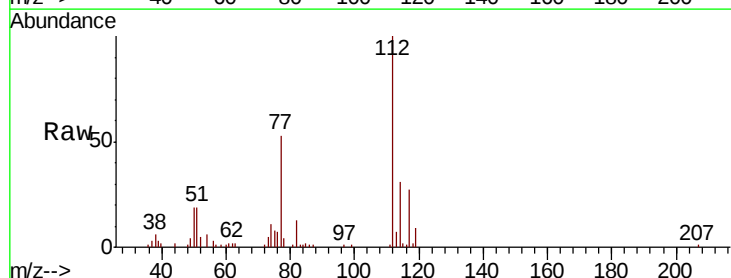
Tgt Ion: 112 Resp: 31708

Ion Ratio Lower Upper

112 100

114 31.5 22.7 42.3

77 52.6 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): VU026054.D (-2640) (-)

Ion 114.00 (113.70 to 114.70): VU026054.D (-2640) (-)

Ion 77.00 (76.70 to 77.70): VU026054.D (-2640) (-)

9.12

25000

20000

15000

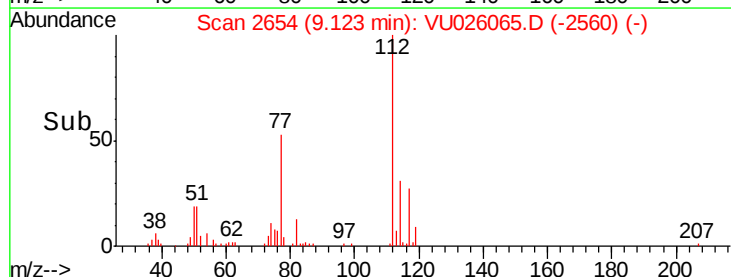
10000

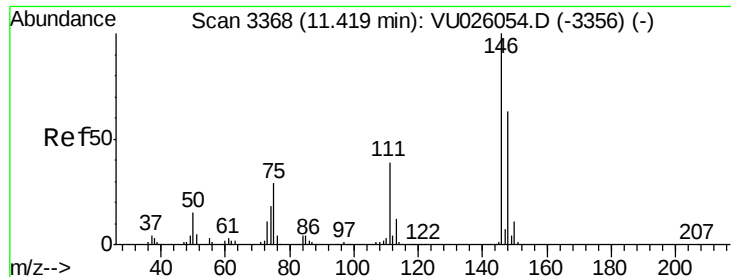
5000

0

9.05 9.10 9.15 9.20

Time-->





#62

1,3-Dichlorobenzene

Concen: 1.60 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026065.D

Acq: 13 Aug 2018 13:56

Instrument :

MSVOA_U

ClientSampleId :

A4ZG0DL

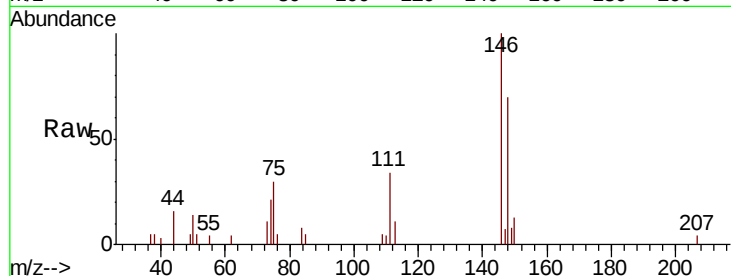
Tot Ion:146 Resp: 5771

Ion Ratio Lower Upper

146 100

111 34.5 27.9 51.9

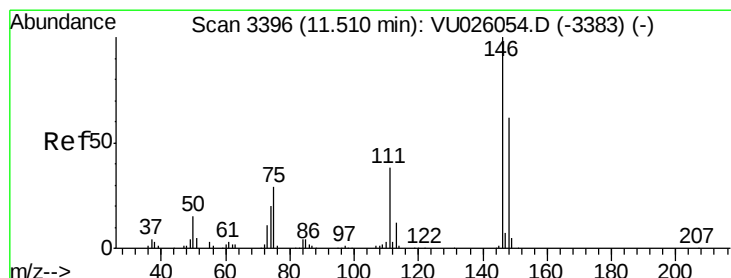
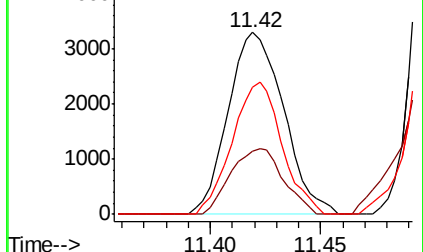
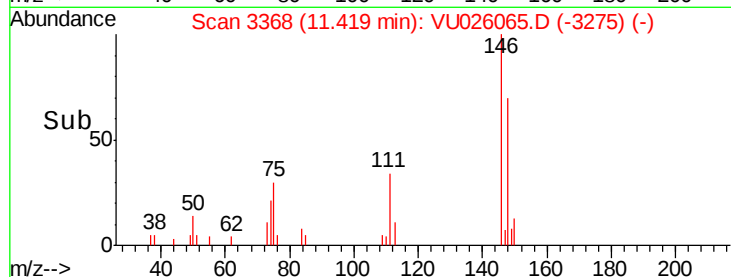
148 69.8 46.0 85.4



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



#63

1,4-Dichlorobenzene

Concen: 6.85 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026065.D

Acq: 13 Aug 2018 13:56

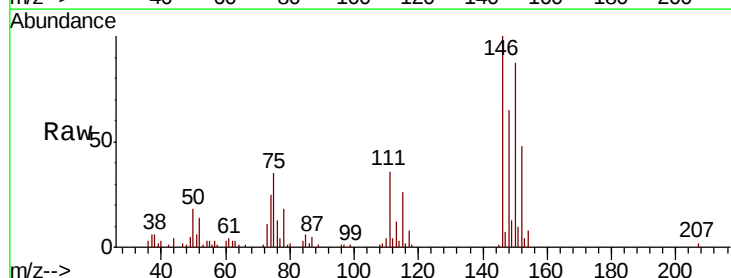
Tgt Ion:146 Resp: 25965

Ion Ratio Lower Upper

146 100

111 36.1 26.4 49.0

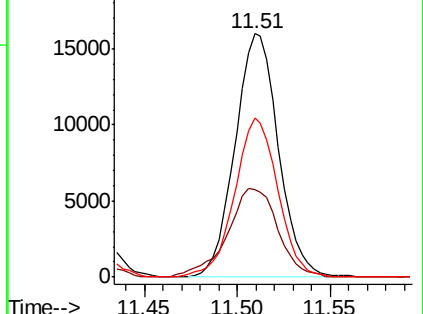
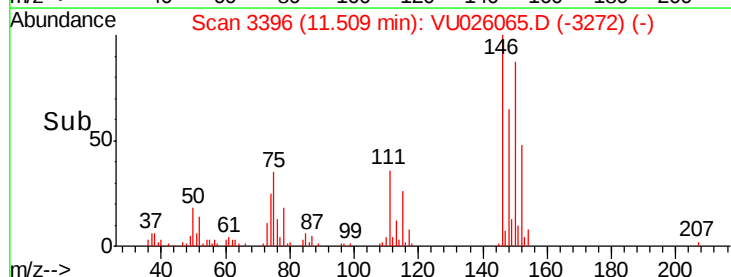
148 65.4 43.8 81.4

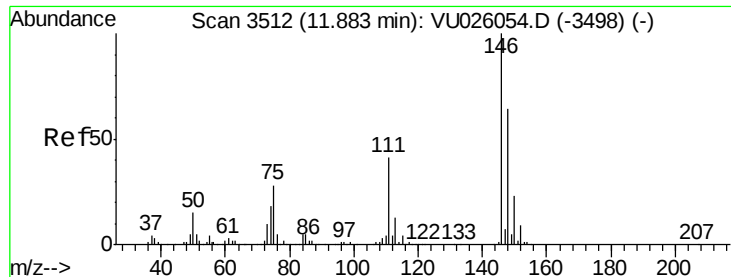


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

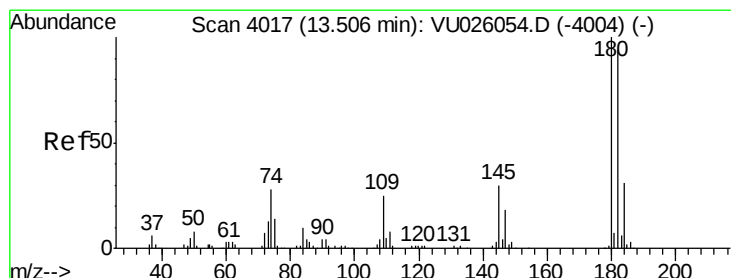
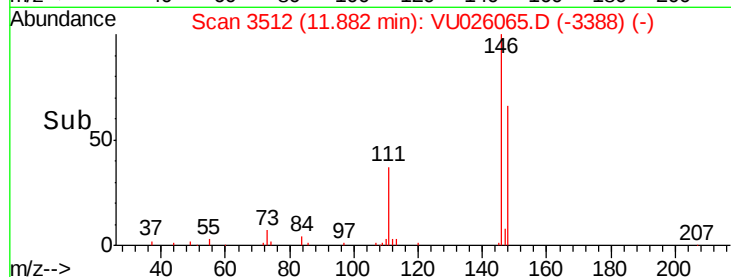
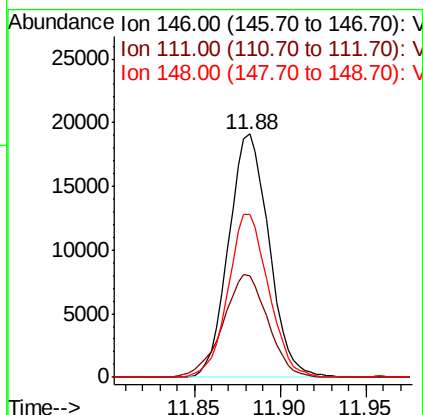
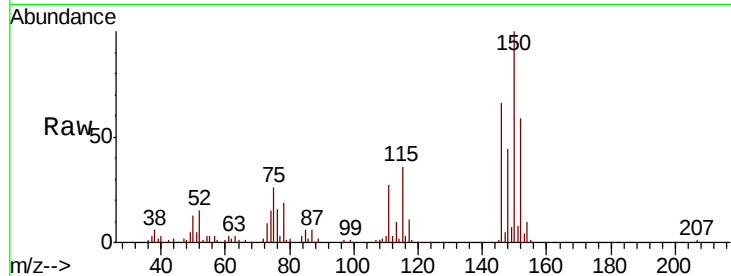




#65
 1,2-Dichlorobenzene
 Concen: 8.10 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026065.D
 Acq: 13 Aug 2018 13:56

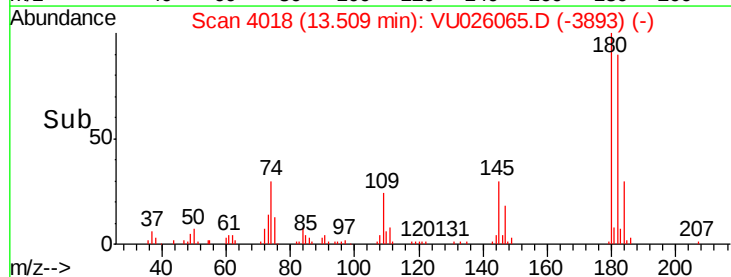
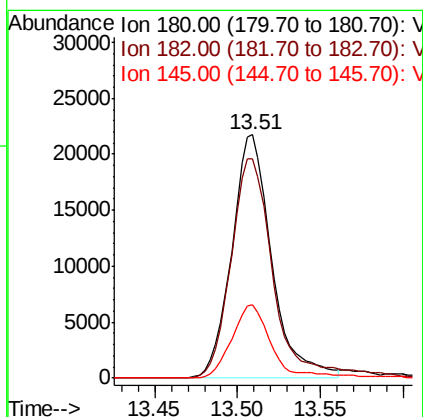
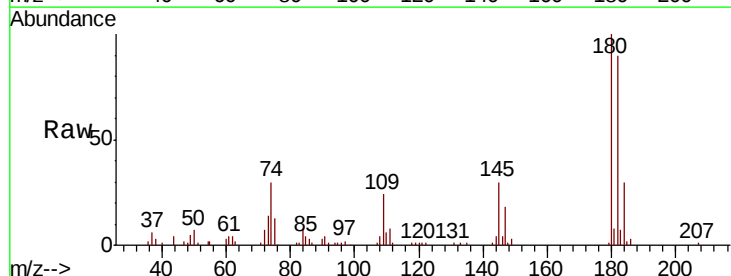
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 MSVOA_U
 ClientSampleId :
 A4ZG0DL

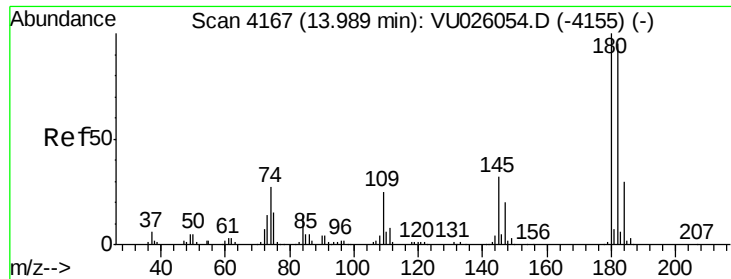
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	32.4	48.6
148	67.1	50.1	75.1



#68
 1,2,4-trichlorobenzene
 Concen: 15.99 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026065.D
 Acq: 13 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.5	114.7
145	28.0	24.2	36.4

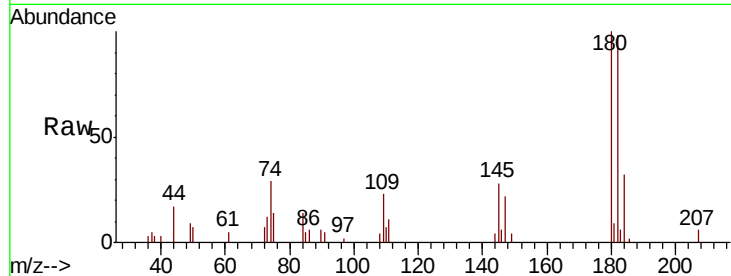




#70
 1,2,3-Trichlorobenzene
 Concen: 3.49 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026065.D
 Acq: 13 Aug 2018 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZG0DL

Tot Ion:180 Resp: 8577
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 26.9 24.7 37.1



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

