

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026058.D
 Acq On : 13 Aug 2018 11:05
 Operator : MD/SY
 Sample : J4401-17DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF5DL

Quant Time: Aug 14 01:28:31 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	345604	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	322387	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	147699	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	102909	40.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.48%
7) Chloroethane-d5	1.68	69	85027	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.90%
11) 1,1-Dichloroethene-d2	2.27	63	156519	32.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.22%
21) 2-Butanone-d5	4.18	46	157080	74.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.61%
24) Chloroform-d	4.65	84	216306	40.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.76%
26) 1,2-Dichloroethane-d4	5.31	65	147925	40.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.76%
32) Benzene-d6	5.35	84	423586	42.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.62%
36) 1,2-Dichloropropane-d6	6.33	67	136837	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.48%
41) Toluene-d8	7.57	98	387584	40.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.94%
43) trans-1,3-Dichloropropene-	7.85	79	65704	40.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.52%
47) 2-Hexanone-d5	8.31	63	111179	75.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.57%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	184856	39.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	154520	42.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.88%

Target Compounds

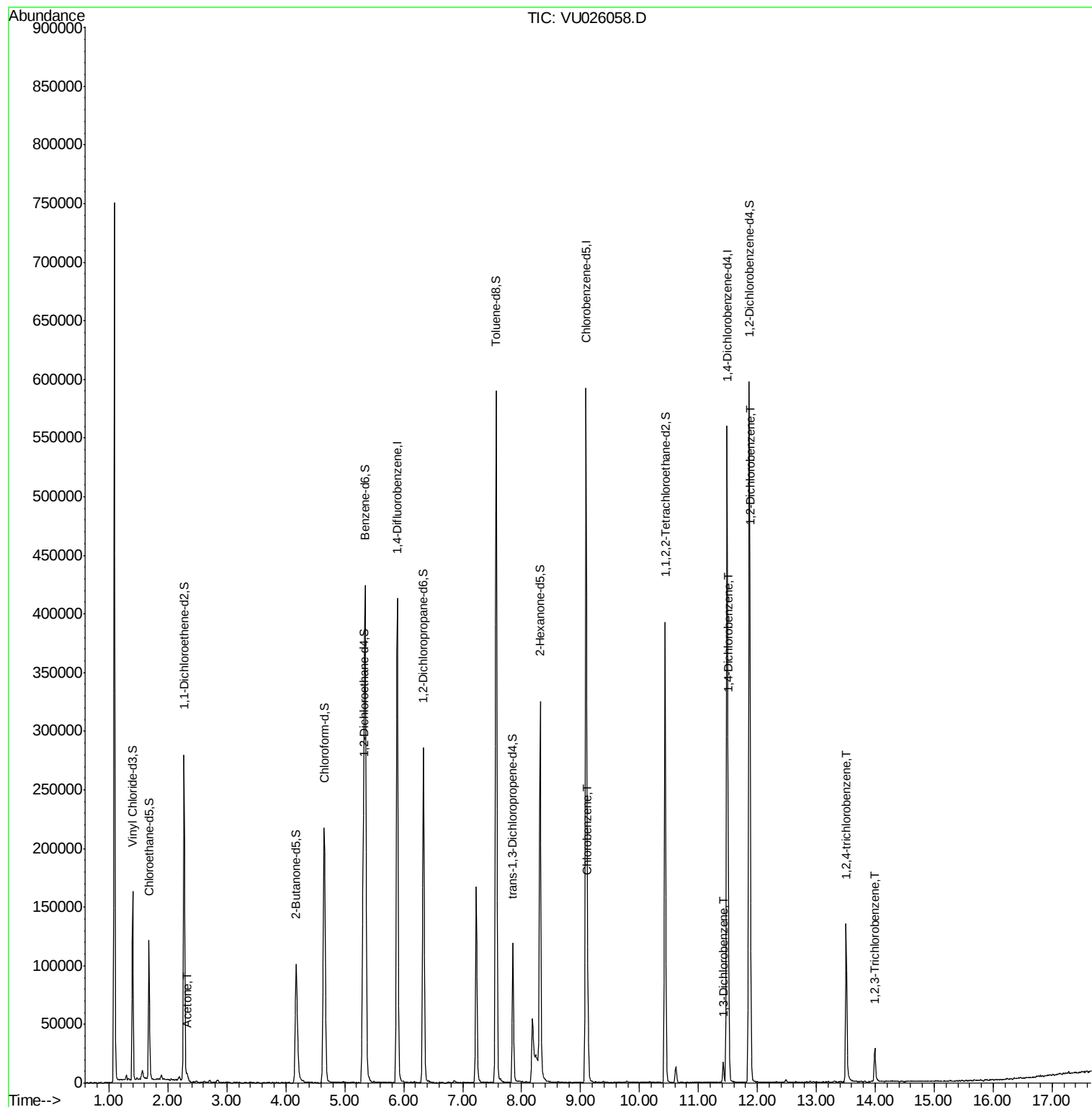
					Ovalue
13) Acetone	2.32	43	5608	4.29 ug/L	97
51) Chlorobenzene	9.12	112	41142	6.26 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	7878	1.71 ug/L	90
63) 1,4-Dichlorobenzene	11.51	146	35035	7.27 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	40152	8.20 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	45089	15.52 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	10688	3.42 ug/L	98

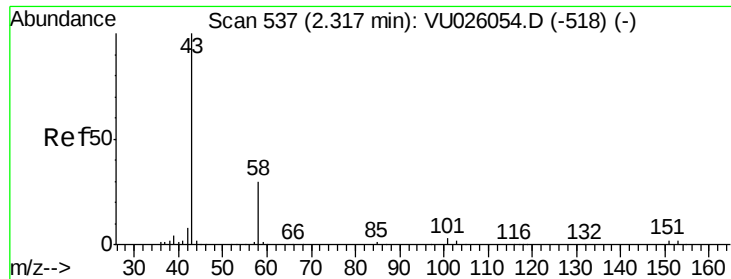
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.29 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026058.D

Acq: 13 Aug 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

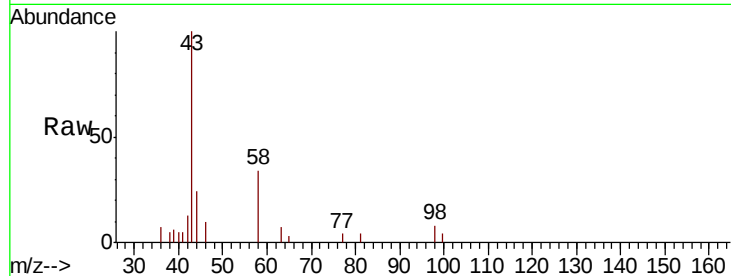
A4ZF5DL

Tot Ion: 43 Resp: 5608

Ion Ratio Lower Upper

43 100

58 32.6 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

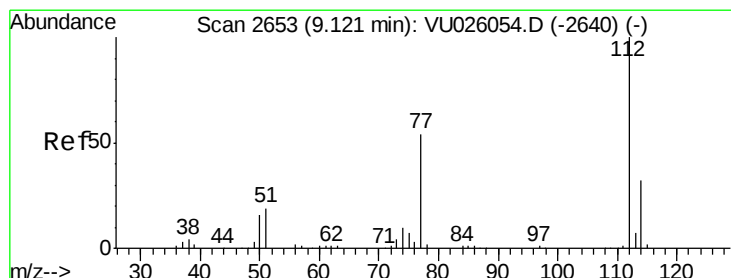
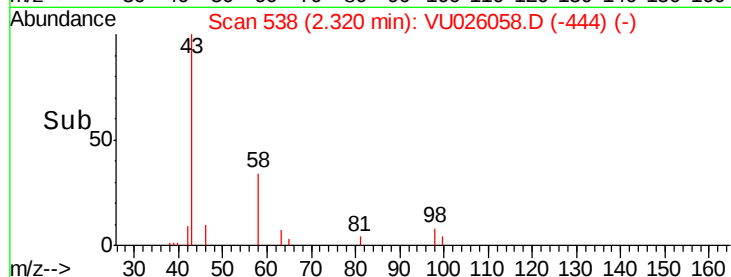
2000

1000

0

2.30 2.35

Time-->



#51

Chlorobenzene

Concen: 6.26 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026058.D

Acq: 13 Aug 2018 11:05

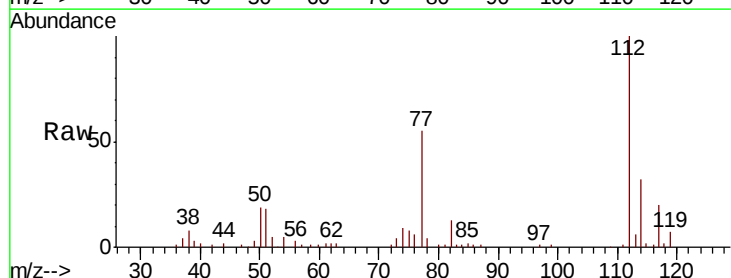
Tgt Ion: 112 Resp: 41142

Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

77 55.0 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

30000

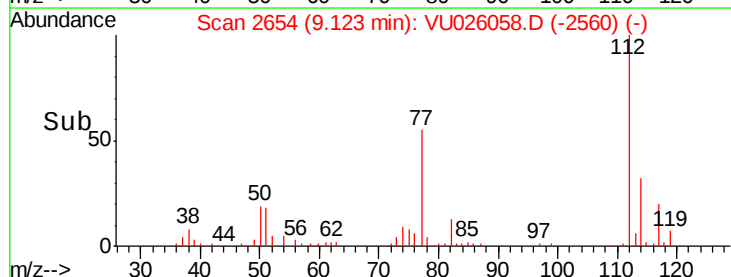
20000

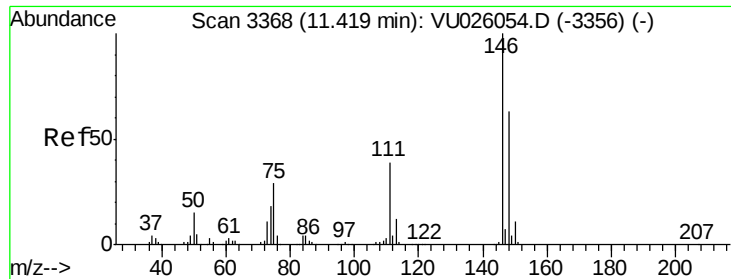
10000

0

9.05 9.10 9.15 9.20

Time-->





#62

1,3-Dichlorobenzene

Concen: 1.71 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026058.D

Acq: 13 Aug 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

A4ZF5DL

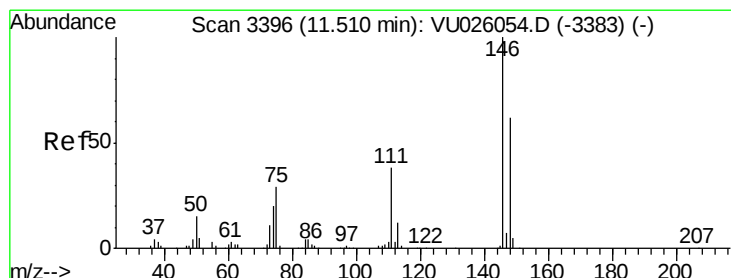
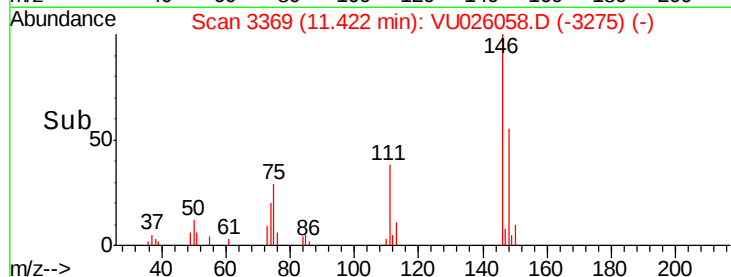
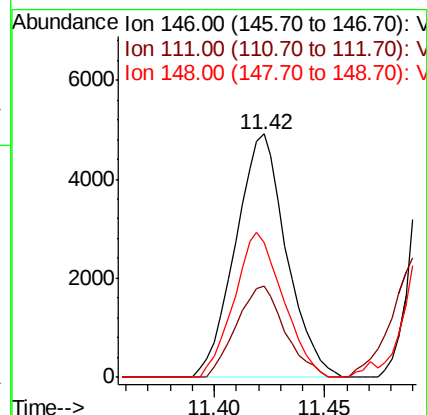
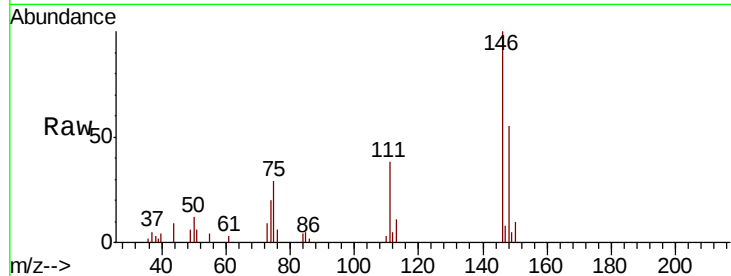
Tot Ion:146 Resp: 7878

Ion Ratio Lower Upper

146 100

111 37.6 27.9 51.9

148 55.3 46.0 85.4



#63

1,4-Dichlorobenzene

Concen: 7.27 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026058.D

Acq: 13 Aug 2018 11:05

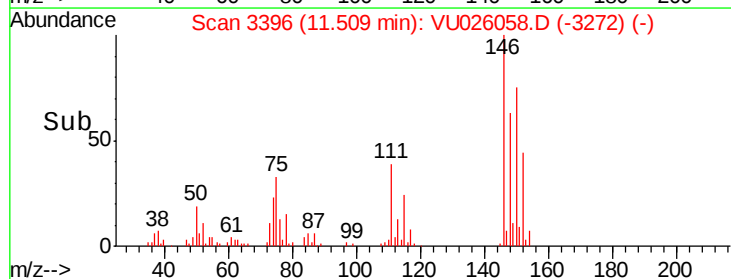
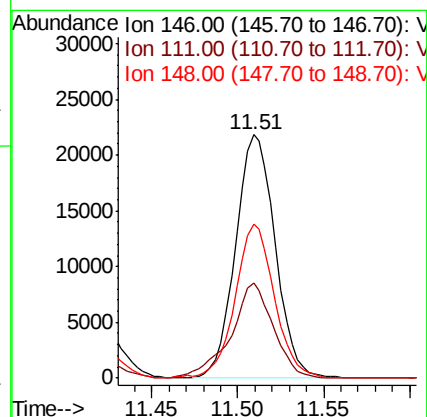
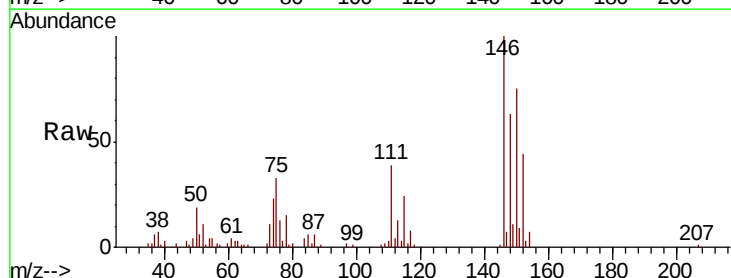
Tgt Ion:146 Resp: 35035

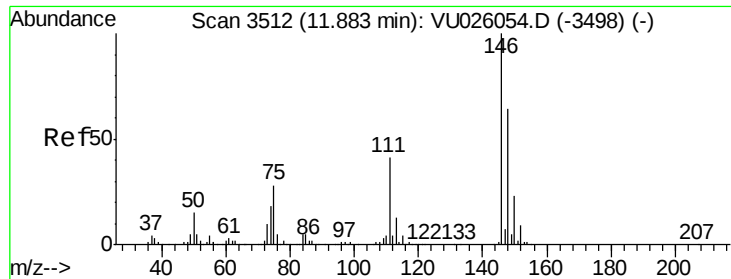
Ion Ratio Lower Upper

146 100

111 39.1 26.4 49.0

148 63.3 43.8 81.4

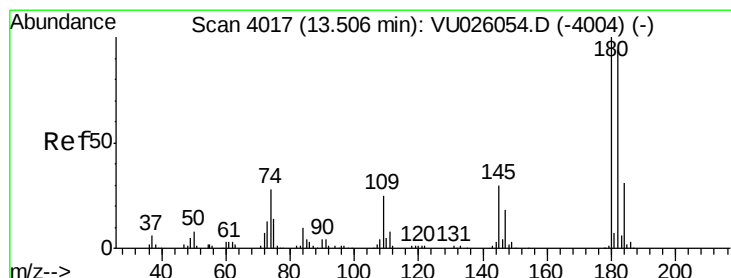
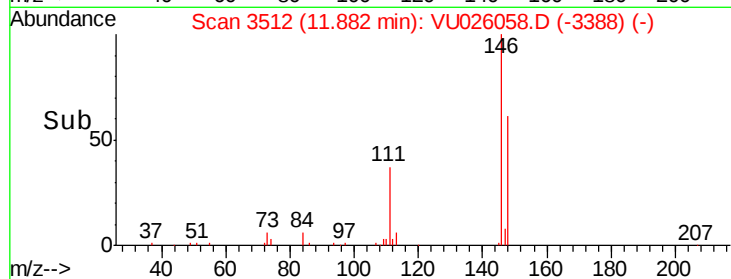
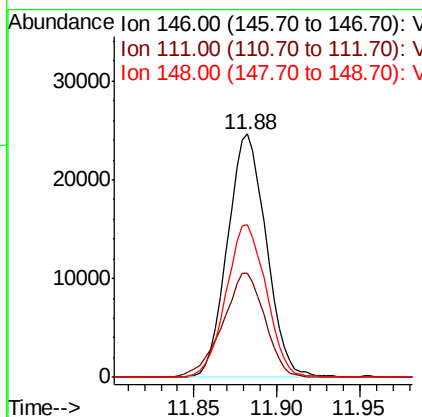
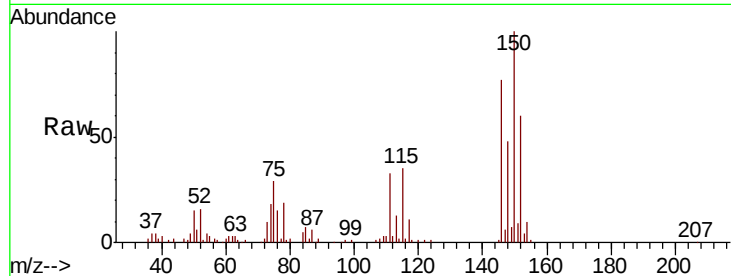




#65
 1,2-Dichlorobenzene
 Concen: 8.20 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026058.D
 Acq: 13 Aug 2018 11:05

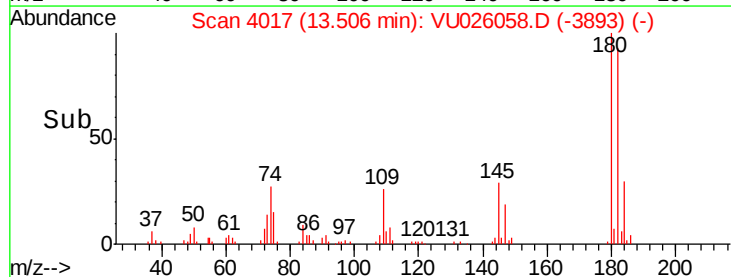
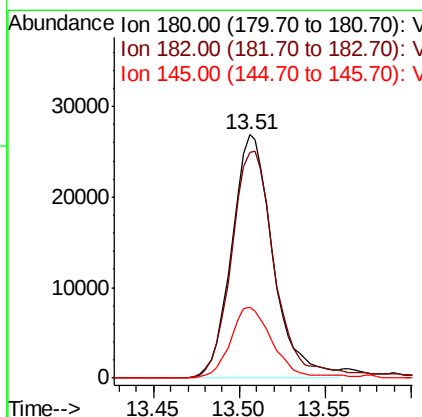
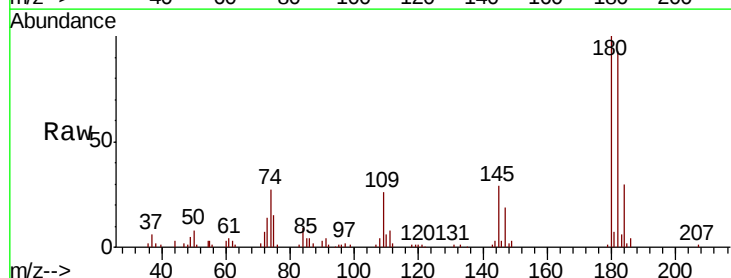
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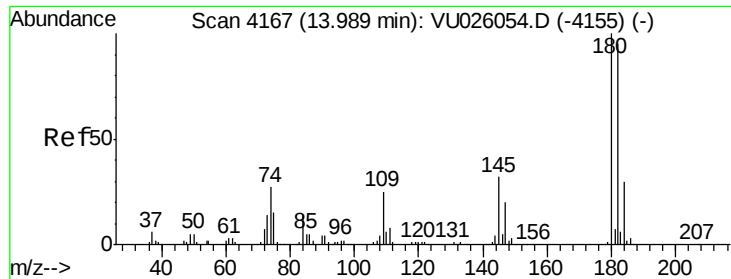
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	32.4	48.6
148	62.6	50.1	75.1



#68
 1,2,4-trichlorobenzene
 Concen: 15.52 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026058.D
 Acq: 13 Aug 2018 11:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.5	114.7
145	29.3	24.2	36.4

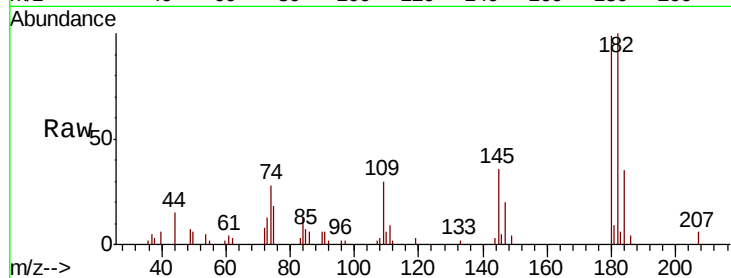




#70
 1,2,3-Trichlorobenzene
 Concen: 3.42 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026058.D
 Acq: 13 Aug 2018 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF5DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.5	114.7
145	31.7	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

