

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU081318\
 Data File : VU026057.D
 Acq On : 13 Aug 2018 10:41
 Operator : MD/SY
 Sample : J4401-11 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF1

Quant Time: Aug 22 18:36:08 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	293809	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	278655	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	135785	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103361	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.26%
7) Chloroethane-d5	1.67	69	84350	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.08%
11) 1,1-Dichloroethene-d2	2.27	63	151369	37.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.18%
21) 2-Butanone-d5	4.17	46	150030	83.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.82%
24) Chloroform-d	4.65	84	215770	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
26) 1,2-Dichloroethane-d4	5.31	65	147143	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.66%
32) Benzene-d6	5.34	84	424645	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
36) 1,2-Dichloropropane-d6	6.33	67	137943	49.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.54%
41) Toluene-d8	7.57	98	394262	47.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.26%
43) trans-1,3-Dichloropropene-	7.85	79	65806	46.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.30%
47) 2-Hexanone-d5	8.31	63	106524	83.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.77%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	186083	45.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	167040	49.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

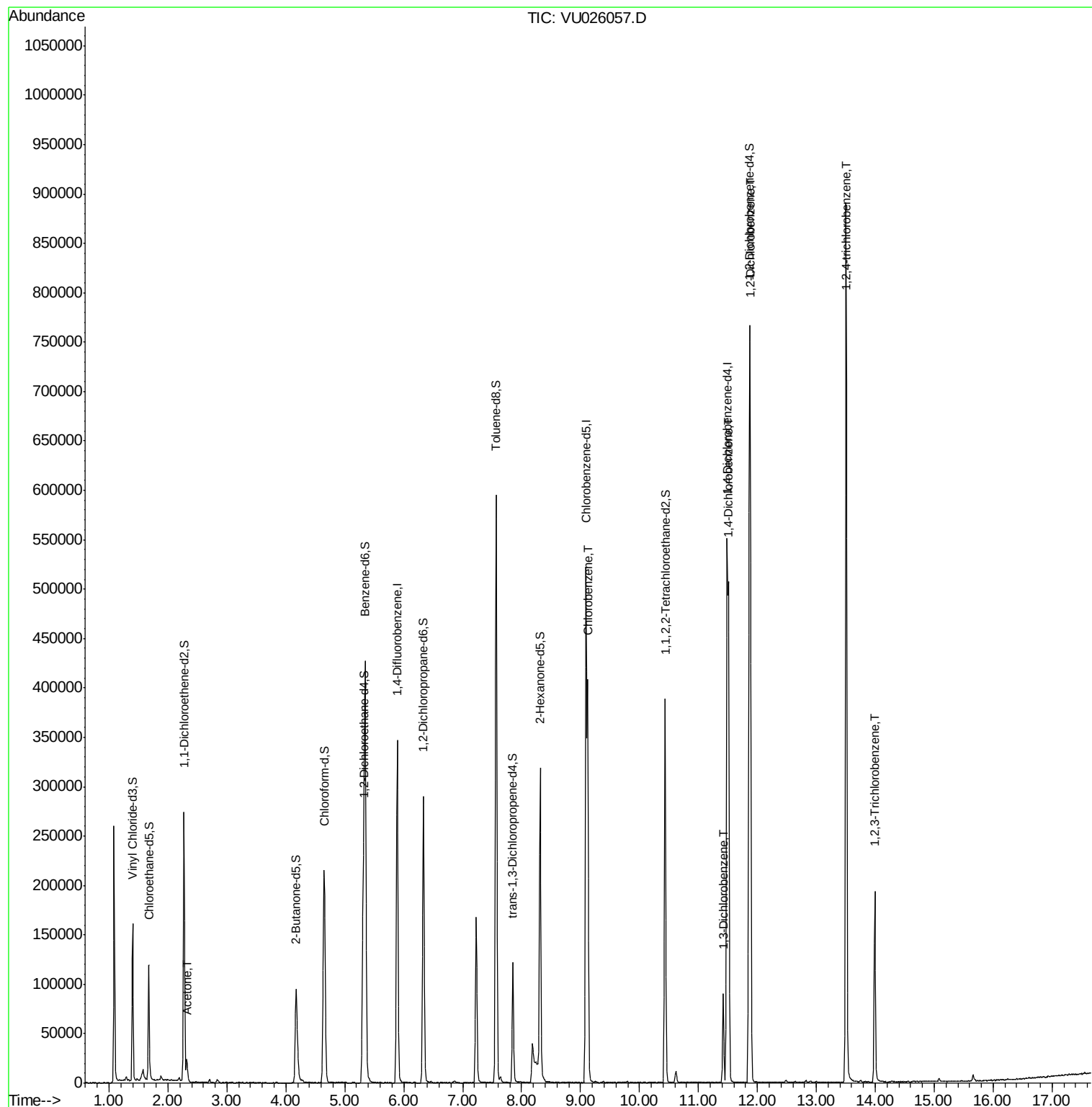
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	21513	19.35	ug/L	99
51) Chlorobenzene	9.12	112	207495	36.53	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	37751	8.93	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	182486	41.18	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	210773	46.84	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	279415	104.58	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	63263	22.03	ug/L	98

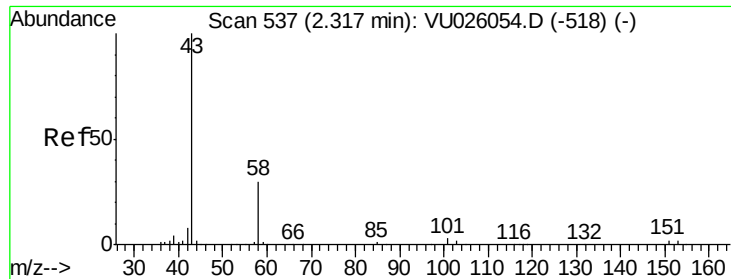
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 19.35 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026057.D

Acq: 13 Aug 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

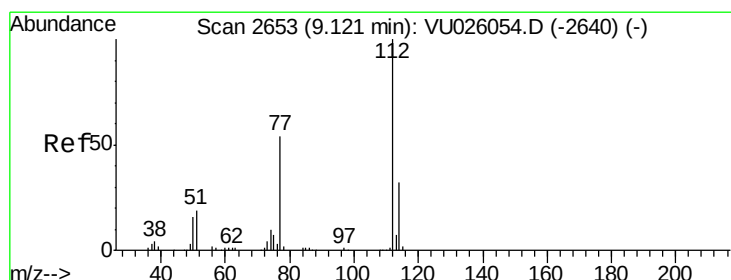
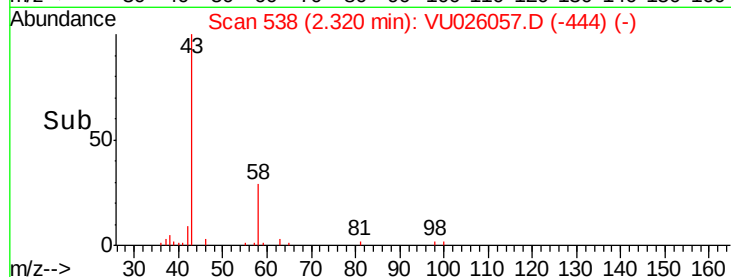
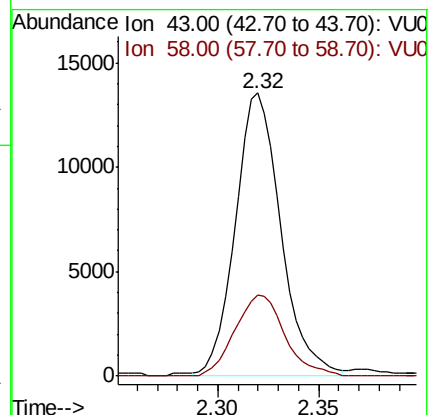
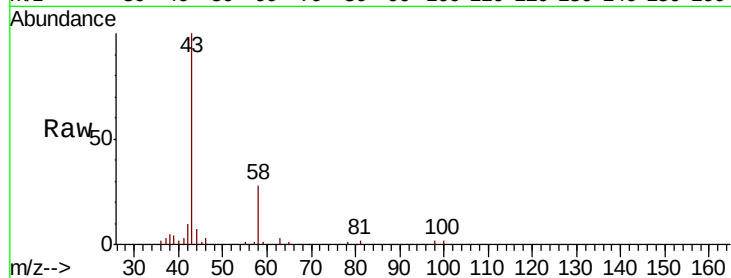
A4ZF1

Tot Ion: 43 Resp: 21513

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.8



#51

Chlorobenzene

Concen: 36.53 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026057.D

Acq: 13 Aug 2018 10:41

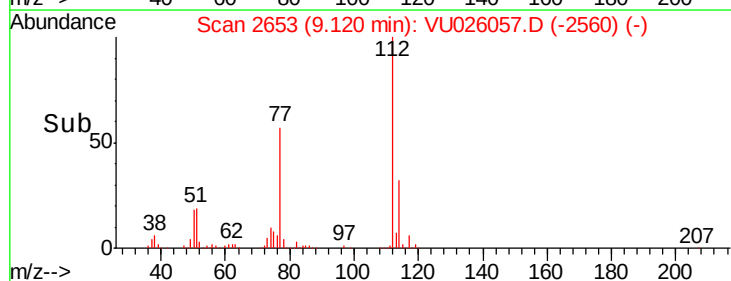
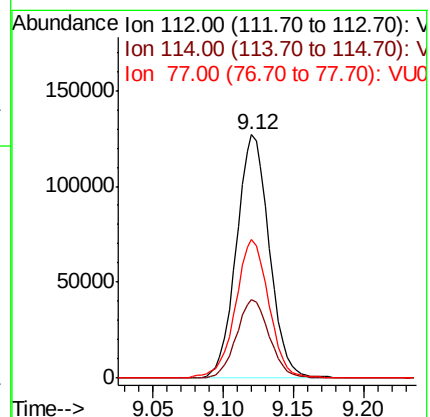
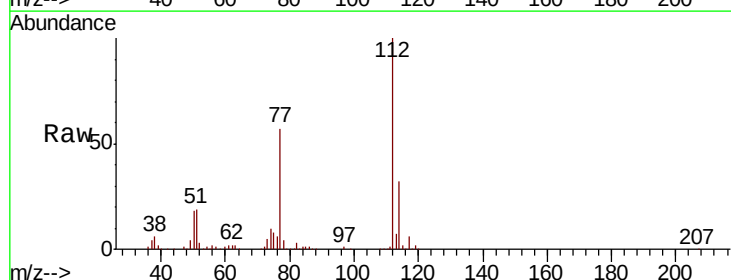
Tgt Ion: 112 Resp: 207495

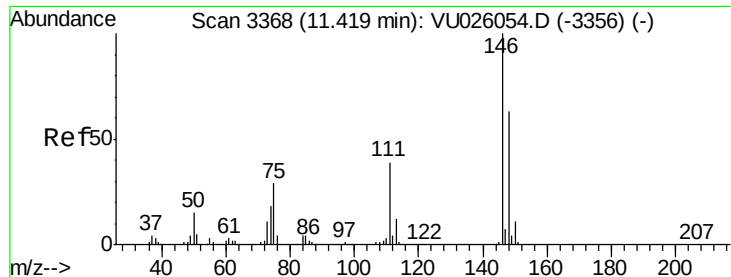
Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.3

77 56.7 45.2 67.8

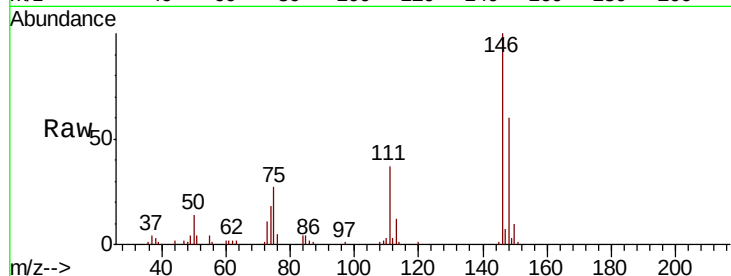




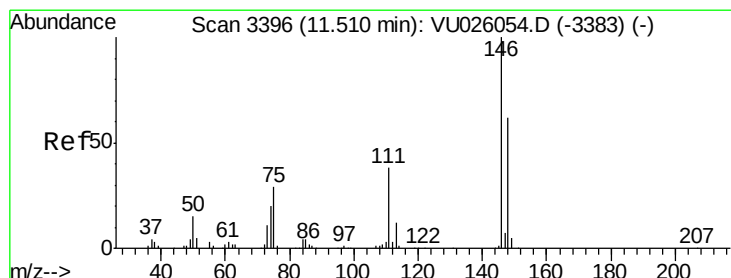
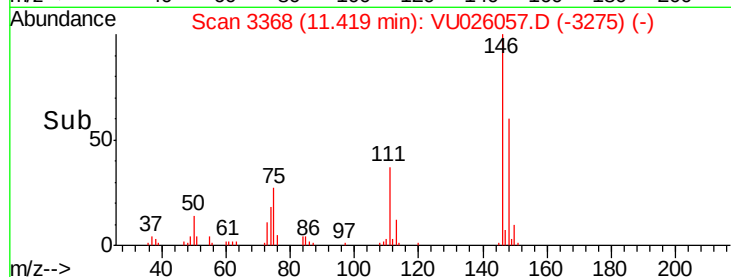
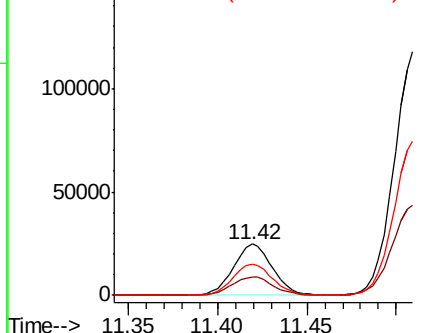
#62
 1,3-Dichlorobenzene
 Concen: 8.93 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026057.D
 Acq: 13 Aug 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF1

Tot Ion:146 Resp: 37751
 Ion Ratio Lower Upper
 146 100
 111 36.5 27.9 51.9
 148 60.0 46.0 85.4

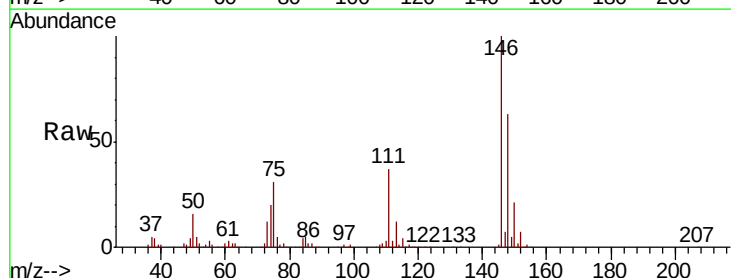


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

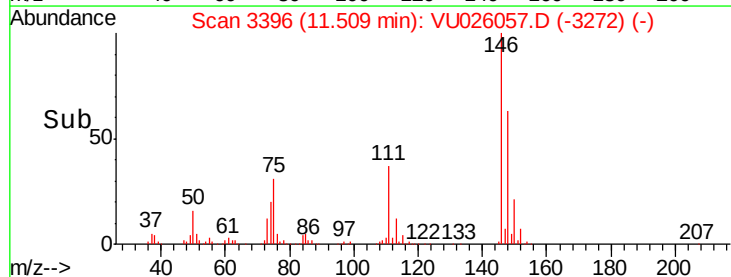
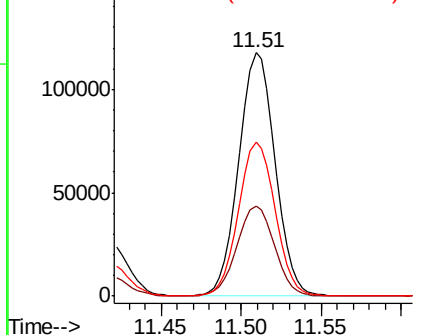


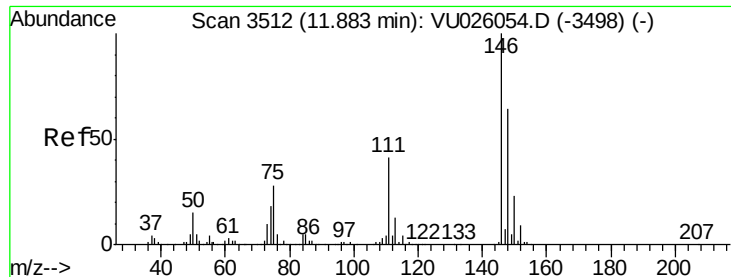
#63
 1,4-Dichlorobenzene
 Concen: 41.18 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026057.D
 Acq: 13 Aug 2018 10:41

Tgt Ion:146 Resp: 182486
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.4 49.0
 148 63.4 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

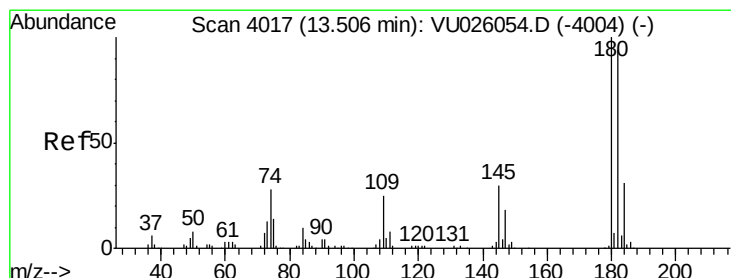
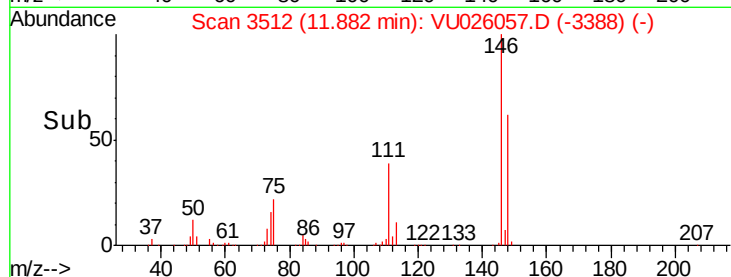
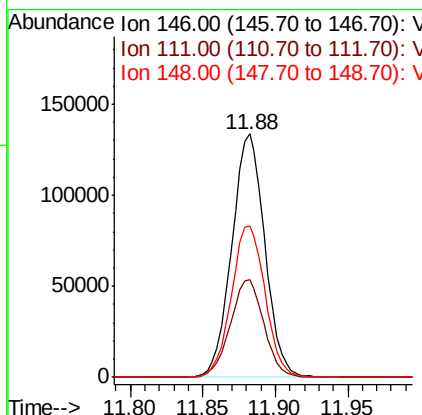
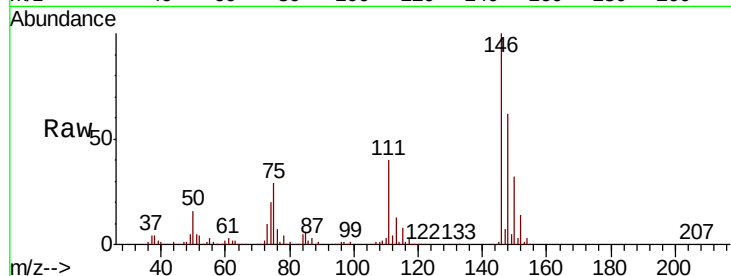




#65
 1,2-Dichlorobenzene
 Concen: 46.84 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026057.D
 Acq: 13 Aug 2018 10:41

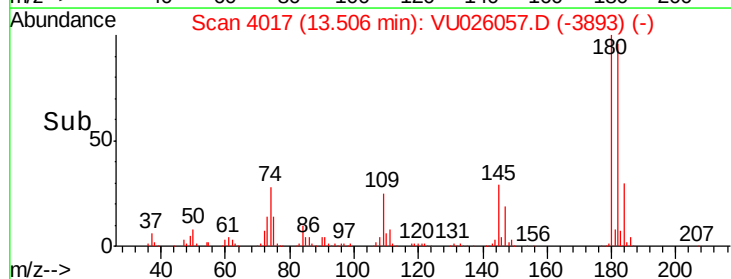
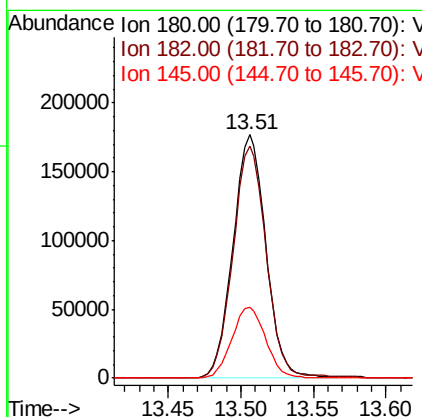
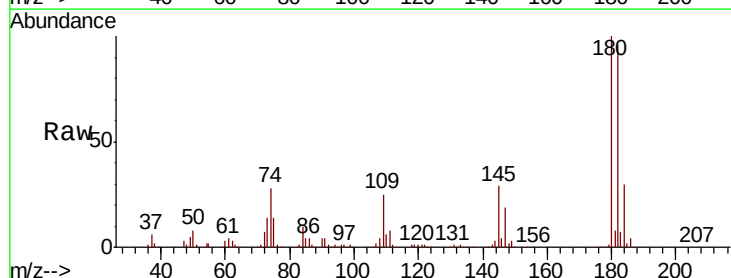
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF1

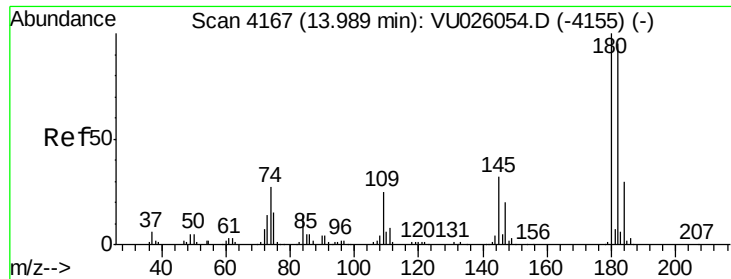
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	32.4	48.6
148	62.2	50.1	75.1



#68
 1,2,4-trichlorobenzene
 Concen: 104.58 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026057.D
 Acq: 13 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
145	30.1	24.2	36.4





#70
 1,2,3-Trichlorobenzene
 Concen: 22.03 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026057.D
 Acq: 13 Aug 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF1

Tot Ion:180 Resp: 63263
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.5 114.7
 145 30.5 24.7 37.1

