

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080818\
 Data File : VU025974.D
 Acq On : 08 Aug 2018 15:48
 Operator : MD/SY
 Sample : J4363-01DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4DL

Quant Time: Aug 09 01:27:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:19:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	297184	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	275207	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	127166	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75597	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.68	69	62030	50.23	ug/L	0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.46%
11) 1,1-Dichloroethene-d2	2.27	63	115571	36.23	ug/L	0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.46%
21) 2-Butanone-d5	4.18	46	120257	106.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.13%
24) Chloroform-d	4.65	84	164041	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
26) 1,2-Dichloroethane-d4	5.31	65	109983	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
32) Benzene-d6	5.35	84	321008	52.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.84%
36) 1,2-Dichloropropane-d6	6.33	67	101769	53.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.92%
41) Toluene-d8	7.57	98	294081	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%
43) trans-1,3-Dichloropropene-	7.85	79	50020	50.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.16%
47) 2-Hexanone-d5	8.31	63	80162	102.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.14%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	136642	52.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	119471	56.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.74%

Target Compounds

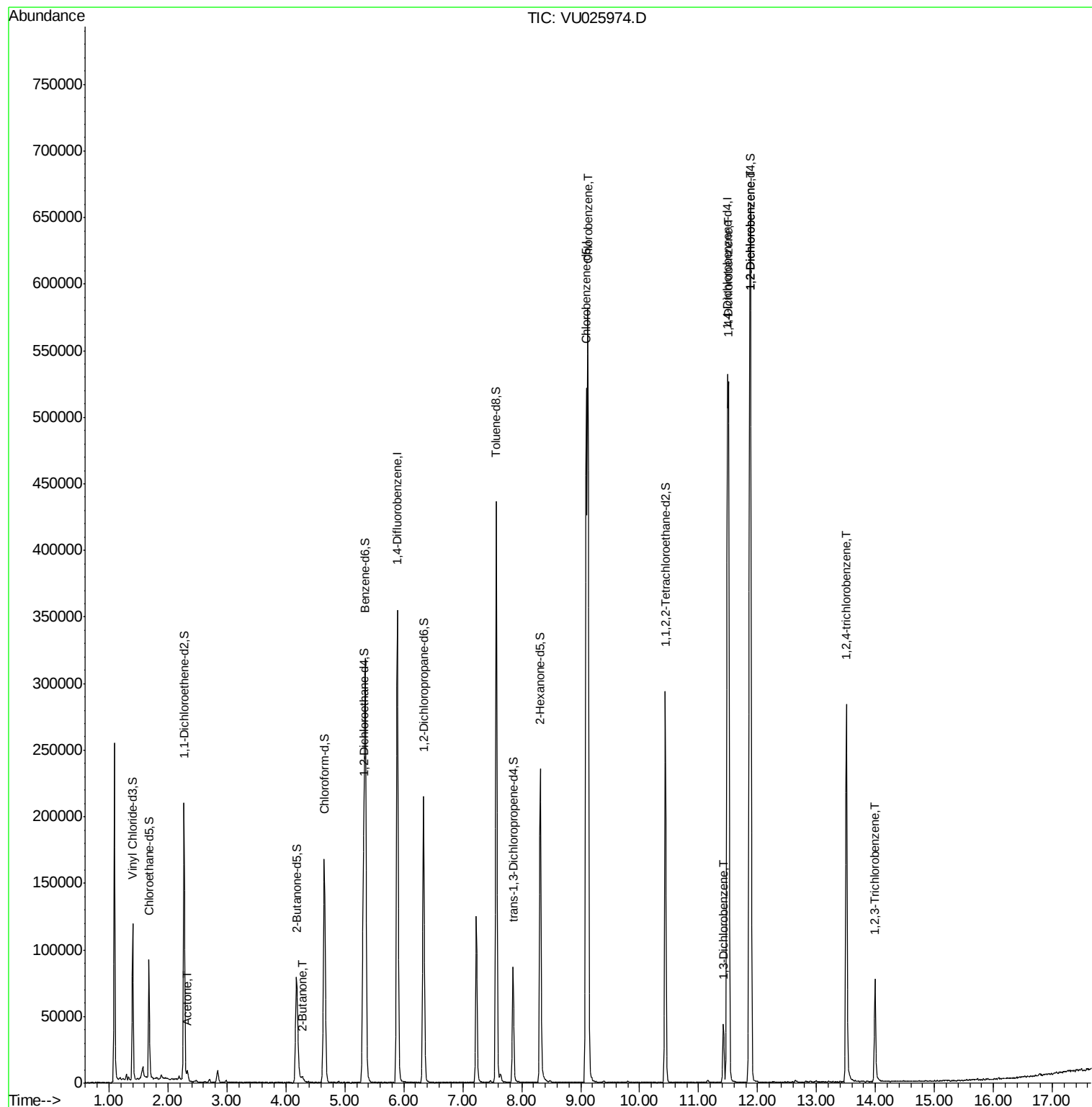
						Ovalue
13) Acetone	2.32	43	6000	4.47	ug/L	94
22) 2-Butanone	4.28	43	4891	2.92	ug/L	92
51) Chlorobenzene	9.12	112	306342	56.99	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	18763	4.93	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	195764	50.51	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	219601	57.56	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	92930	38.19	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	25854	10.37	ug/L	98

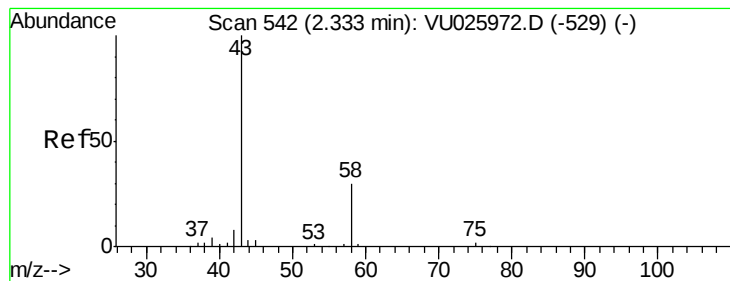
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 09 01:19:52 2018
Response via : Initial Calibration





#13

Acetone

Concen: 4.47 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.01 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

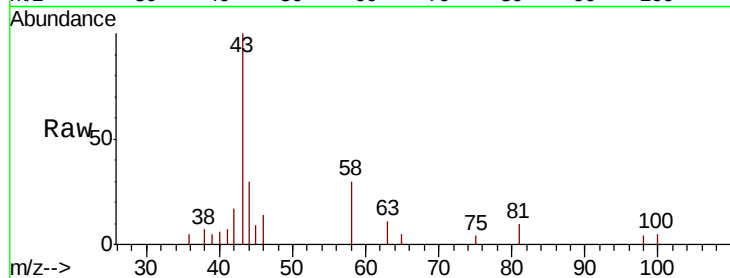
A4ZA4DL

Tot Ion: 43 Resp: 6000

Ion Ratio Lower Upper

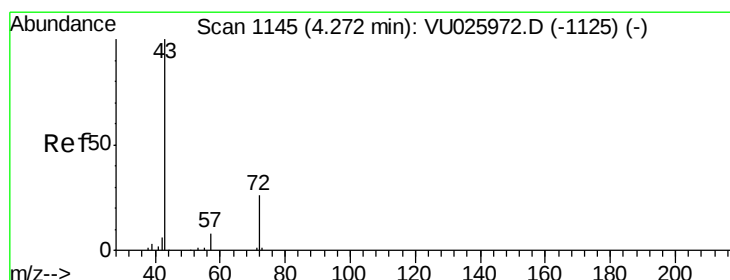
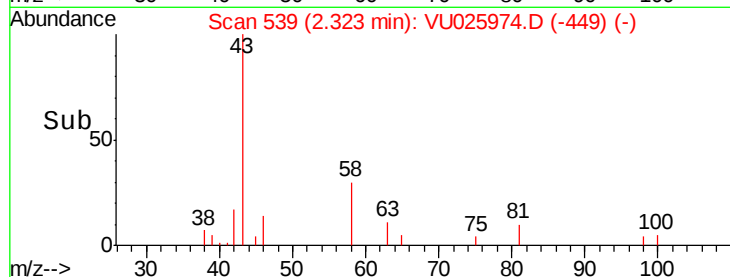
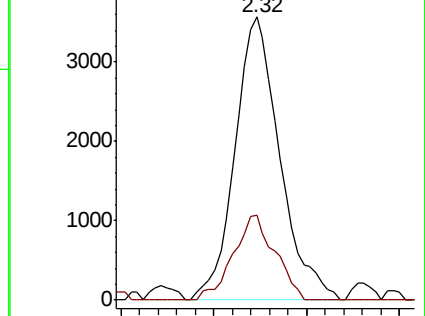
43 100

58 26.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#22

2-Butanone

Concen: 2.92 ug/L

RT: 4.28 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VU025974.D

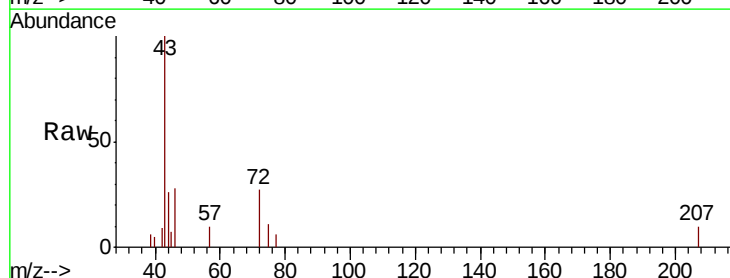
Acq: 08 Aug 2018 15:48

Tgt Ion: 43 Resp: 4891

Ion Ratio Lower Upper

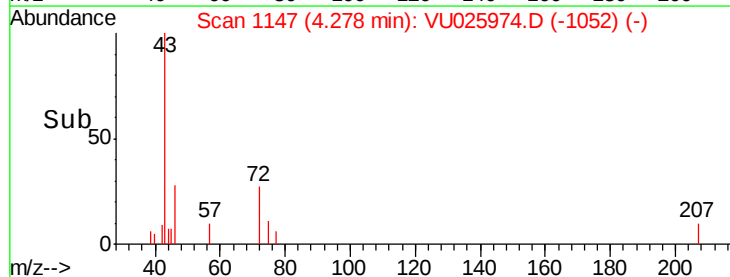
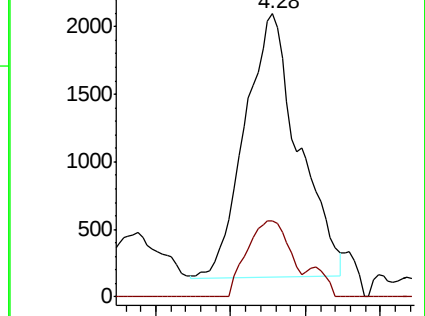
43 100

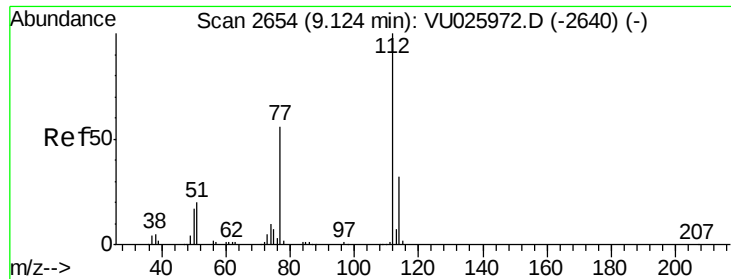
72 22.8 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#51

Chlorobenzene

Concen: 56.99 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

A4ZA4DL

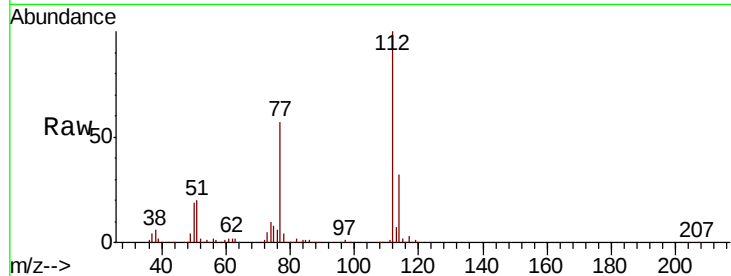
Tot Ion:112 Resp: 306342

Ion Ratio Lower Upper

112 100

114 32.0 22.9 42.5

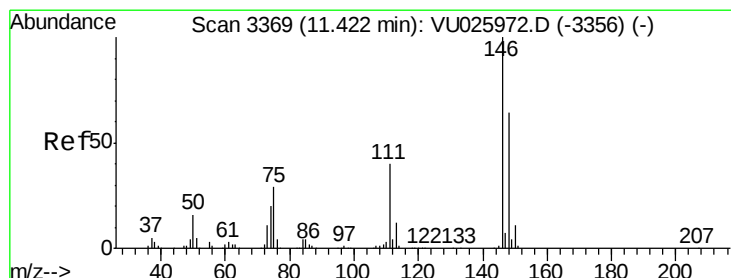
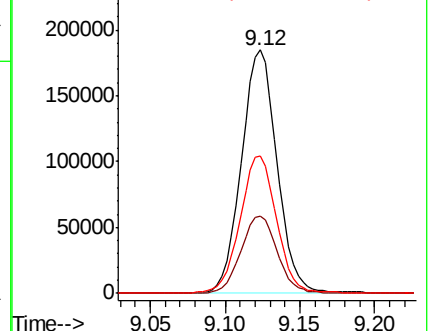
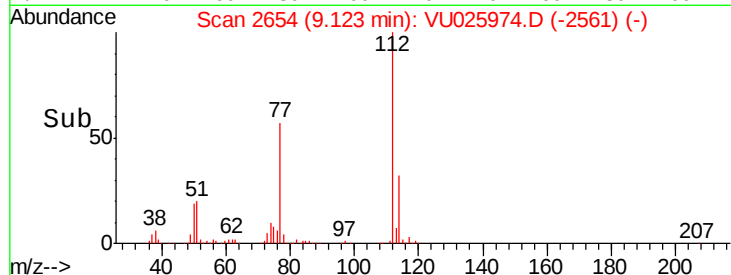
77 56.6 46.6 70.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 4.93 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. -0.00 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

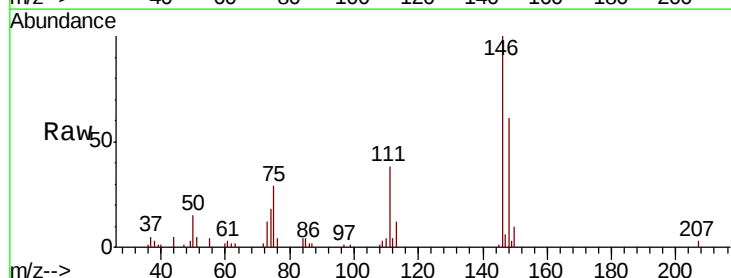
Tgt Ion:146 Resp: 18763

Ion Ratio Lower Upper

146 100

111 38.4 27.5 51.1

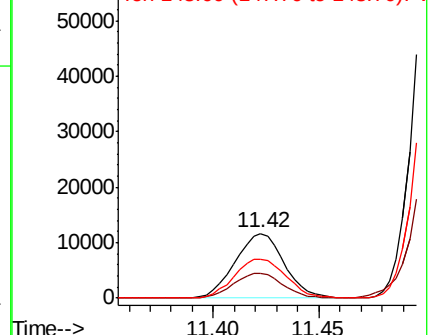
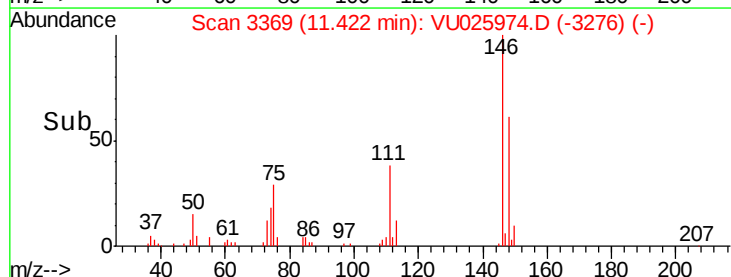
148 60.9 44.6 82.8

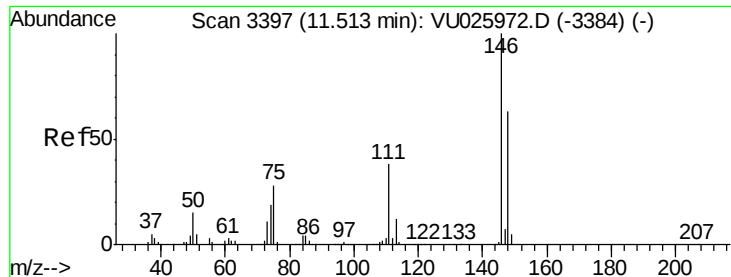


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

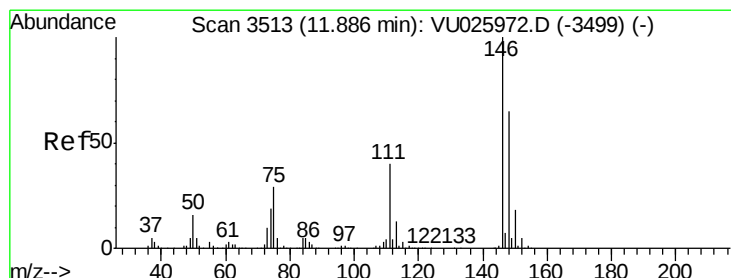
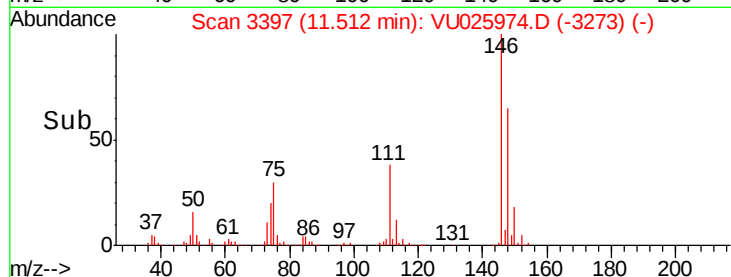
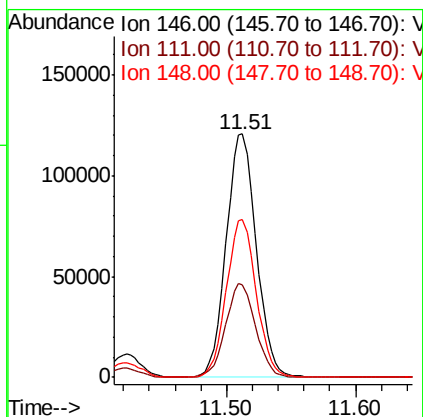
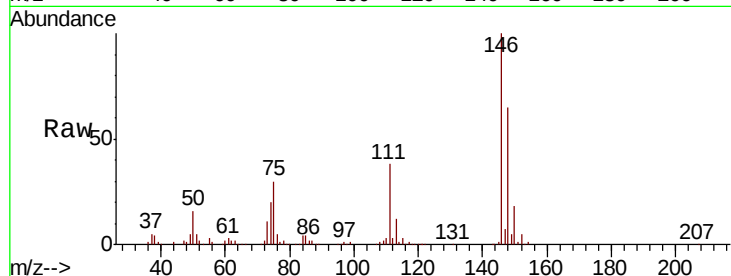




#63
 1,4-Dichlorobenzene
 Concen: 50.51 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. -0.00 min
 Lab File: VU025974.D
 Acq: 08 Aug 2018 15:48

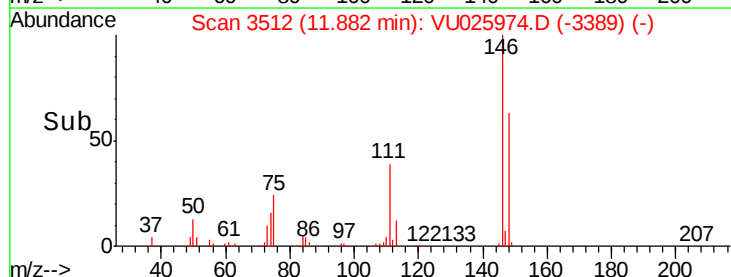
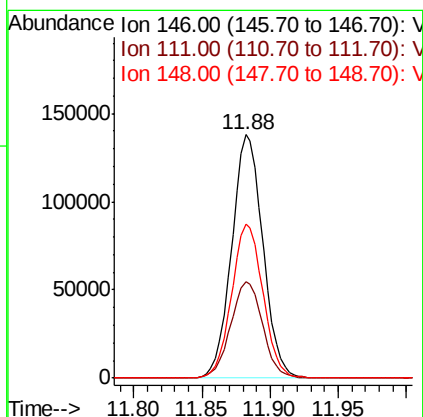
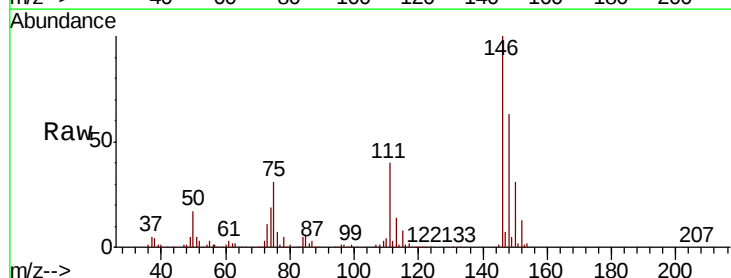
Instrument :
 MSVOA_U
 ClientSampleId :
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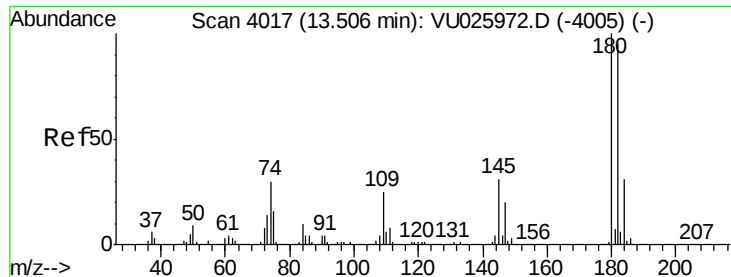
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	26.7	49.7
148	65.1	45.2	84.0



#65
 1,2-Dichlorobenzene
 Concen: 57.56 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025974.D
 Acq: 08 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	33.4	50.0
148	63.1	51.8	77.8

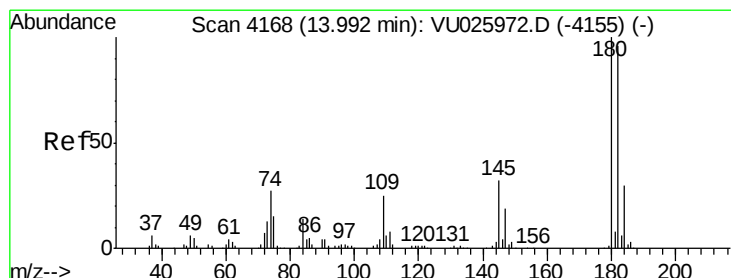
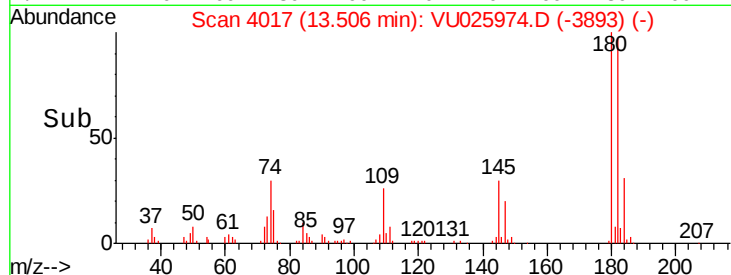
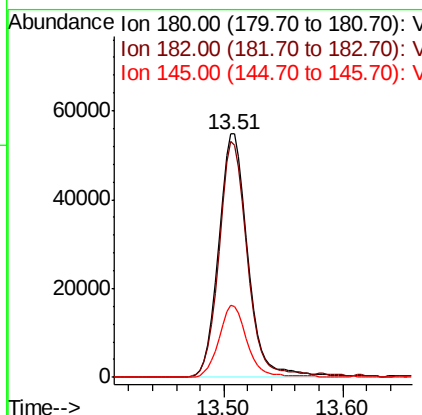
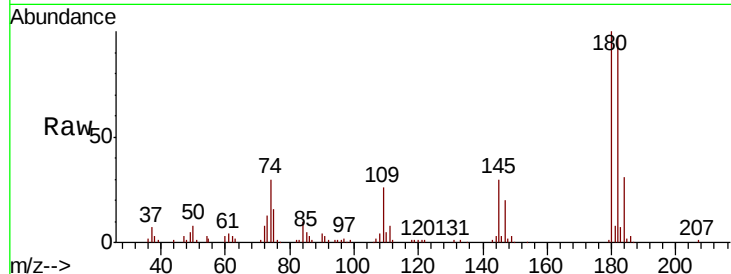




#68
 1,2,4-trichlorobenzene
 Concen: 38.19 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025974.D
 Acq: 08 Aug 2018 15:48

Instrument :
 MSVOA_U
 ClientSampled :
 A4ZA4DL

Tot Ion:180 Resp: 92930
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.3 112.9
 145 28.5 23.1 34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 10.37 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU025974.D
 Acq: 08 Aug 2018 15:48

Tgt Ion:180 Resp: 25854
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.6 116.4
 145 32.3 25.3 37.9

