

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU025989.D
 Acq On : 09 Aug 2018 12:20
 Operator : MD/SY
 Sample : J4361-02 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZB1

Quant Time: Aug 10 05:37:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	298413	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	286670	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	139974	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	102873	47.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.32%
7) Chloroethane-d5	1.68	69	87790	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.52%
11) 1,1-Dichloroethene-d2	2.27	63	152455	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.56%
21) 2-Butanone-d5	4.17	46	178252	98.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.05%
24) Chloroform-d	4.65	84	227361	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.30%
26) 1,2-Dichloroethane-d4	5.31	65	157293	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.68%
32) Benzene-d6	5.35	84	442928	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
36) 1,2-Dichloropropane-d6	6.33	67	145359	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.94%
41) Toluene-d8	7.57	98	416471	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.85	79	71210	49.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.14%
47) 2-Hexanone-d5	8.31	63	127690	97.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.60%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	203982	48.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	177795	51.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.06%

Target Compounds

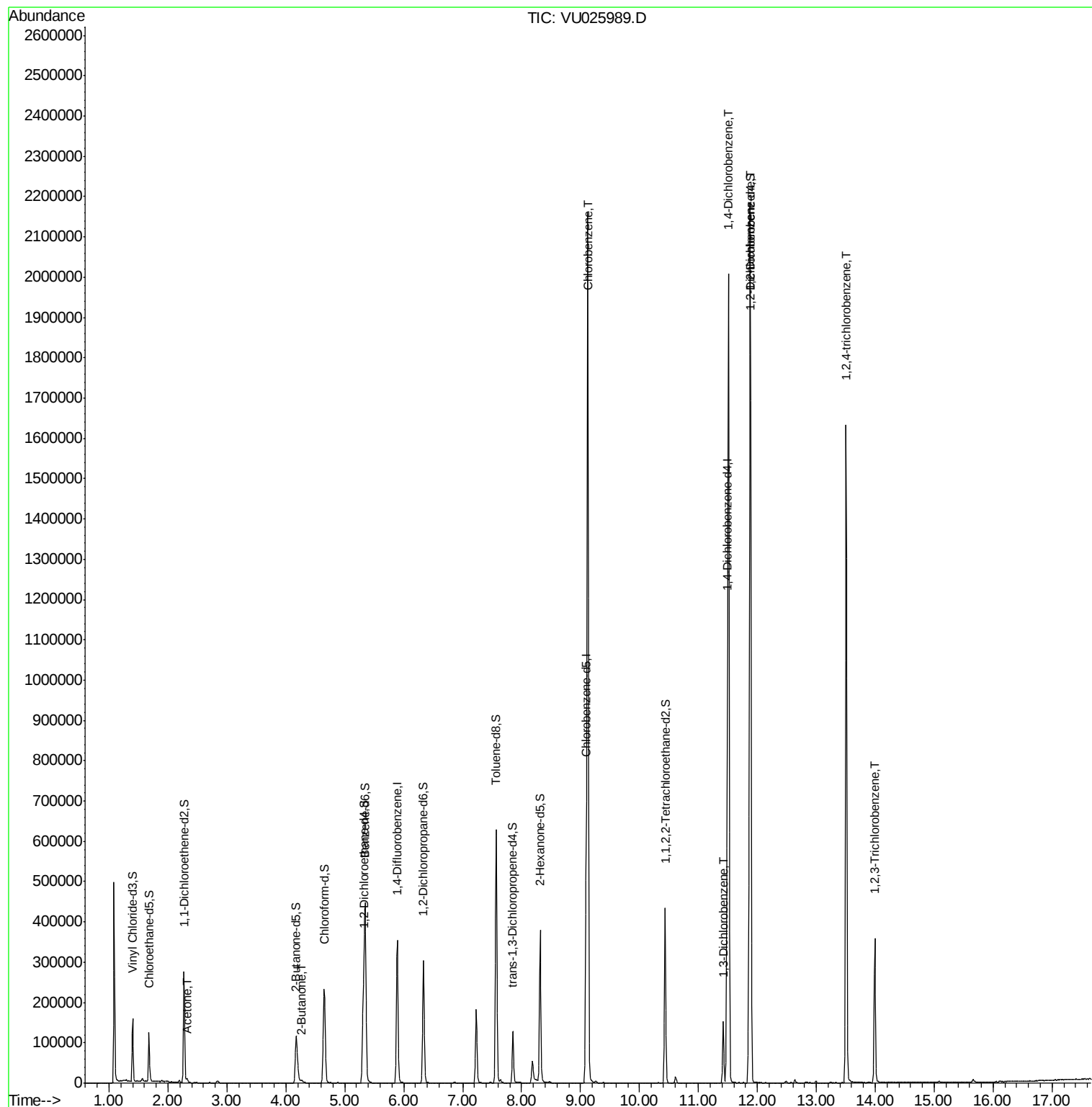
					Ovalue
13) Acetone	2.32	43	9208	8.15	ug/L 100
22) 2-Butanone	4.27	43	8696	5.32	ug/L # 72
51) Chlorobenzene	9.12	112	1138202	194.78	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	61250	14.06	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	778579	170.44	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	830268	179.00	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	488975	177.54	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	115085	38.88	ug/L 100

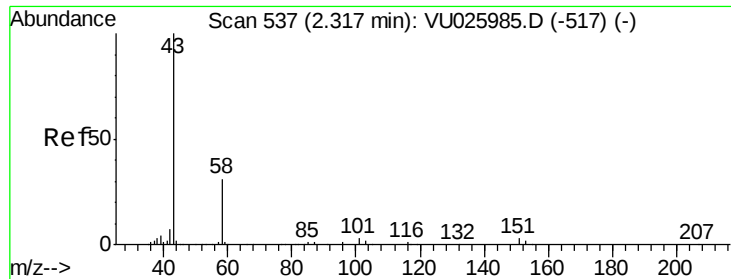
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 10 05:14:50 2018
Response via : Initial Calibration





#13

Acetone

Concen: 8.15 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.01 min

Lab File: VU025989.D

Acq: 09 Aug 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

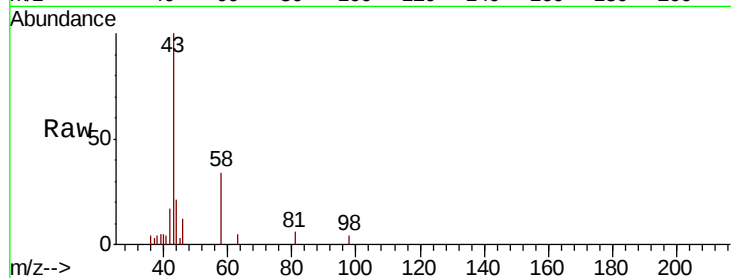
A4ZB1

Tot Ion: 43 Resp: 9208

Ion Ratio Lower Upper

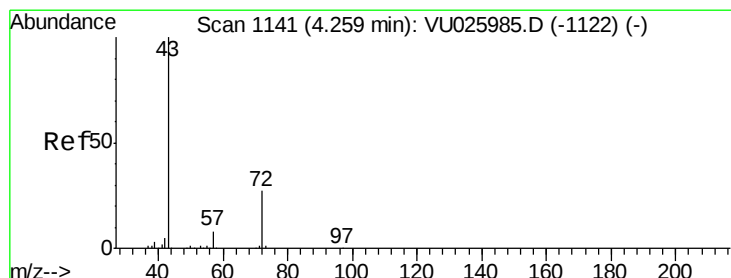
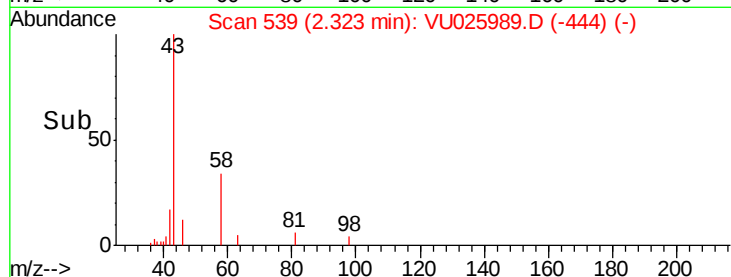
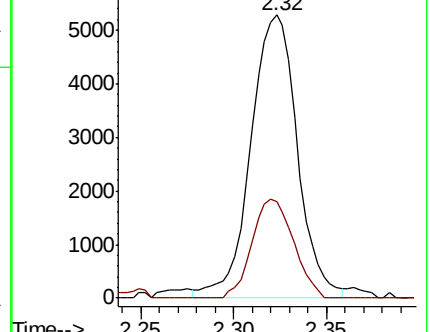
43 100

58 31.1 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU025989.D (-517) (-)

Ion 58.00 (57.70 to 58.70): VU025989.D (-517) (-)



#22

2-Butanone

Concen: 5.32 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025989.D

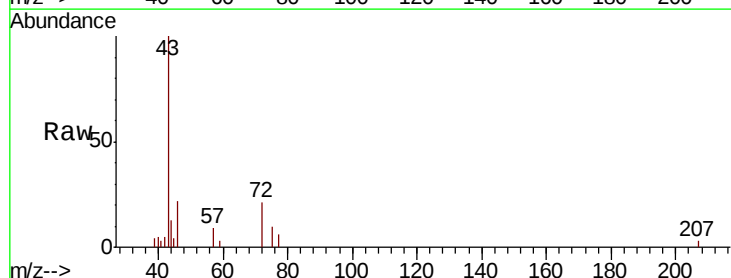
Acq: 09 Aug 2018 12:20

Tgt Ion: 43 Resp: 8696

Ion Ratio Lower Upper

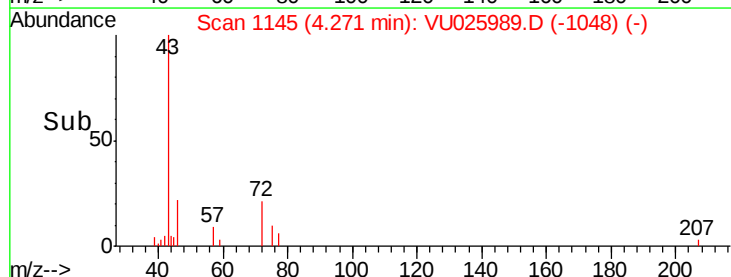
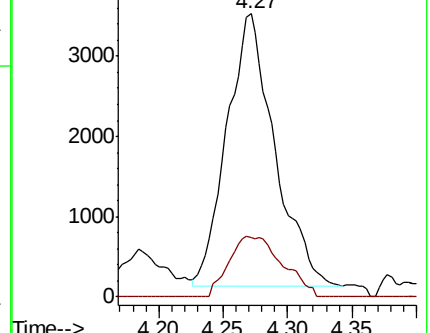
43 100

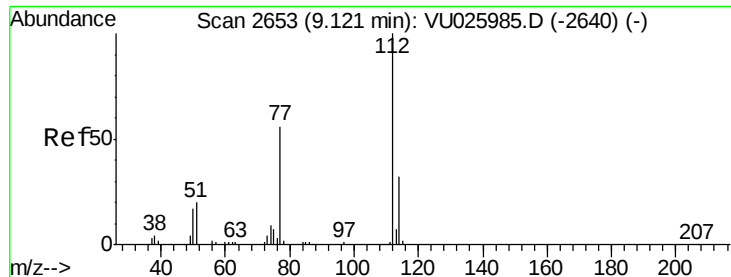
72 12.5 13.5 40.5#



Abundance Ion 43.00 (42.70 to 43.70): VU025989.D (-1122) (-)

Ion 72.00 (71.70 to 72.70): VU025989.D (-1122) (-)





#51

Chlorobenzene

Concen: 194.78 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025989.D

Acq: 09 Aug 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

A4ZB1

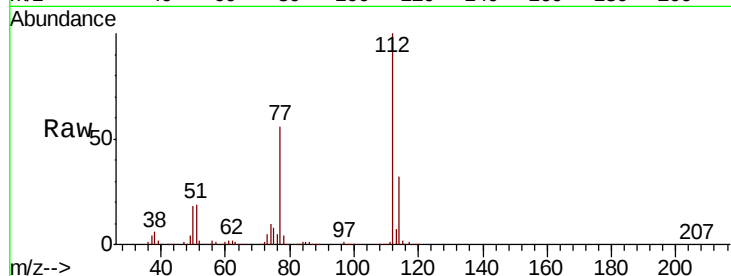
Tot Ion:112 Resp: 1138202

Ion Ratio Lower Upper

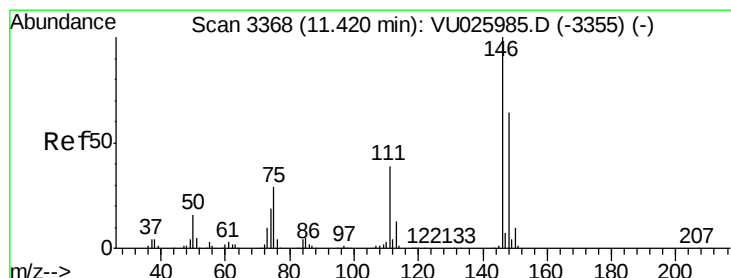
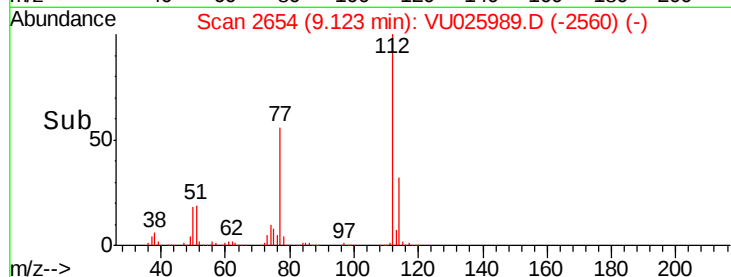
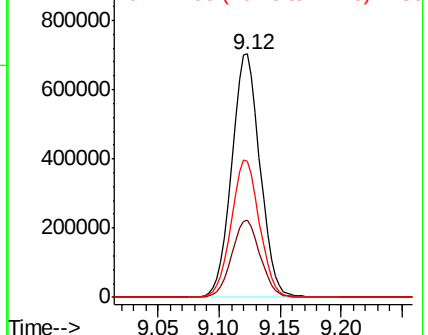
112 100

114 31.7 22.7 42.3

77 55.8 45.2 67.8



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): V



#62

1,3-Dichlorobenzene

Concen: 14.06 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025989.D

Acq: 09 Aug 2018 12:20

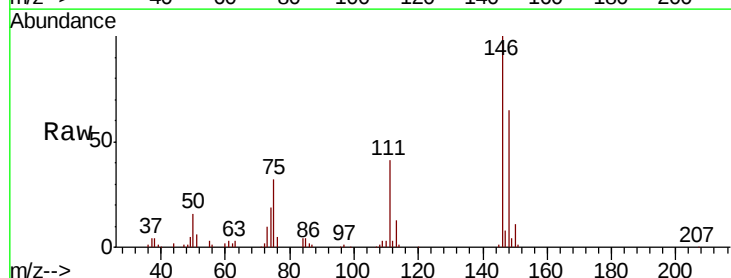
Tgt Ion:146 Resp: 61250

Ion Ratio Lower Upper

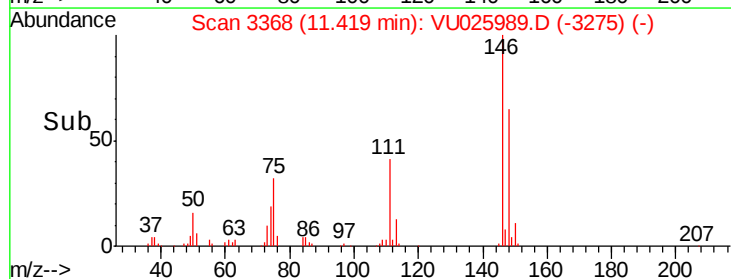
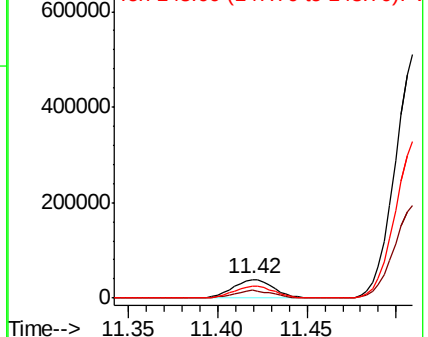
146 100

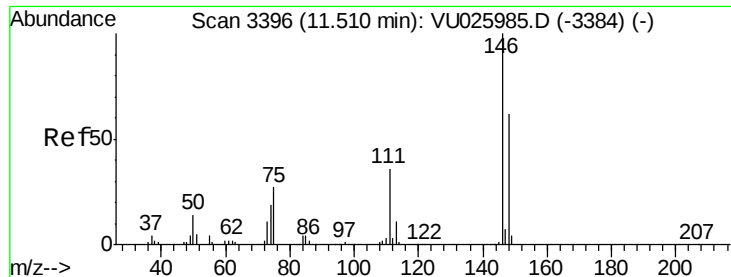
111 41.0 27.9 51.9

148 65.2 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

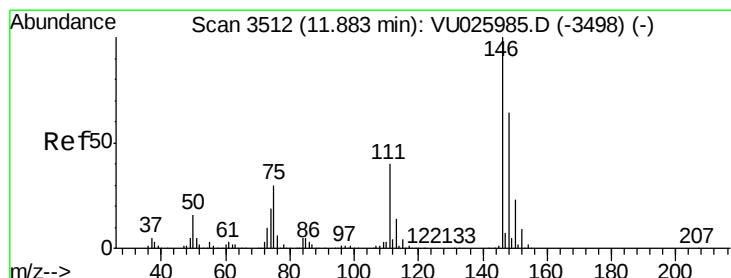
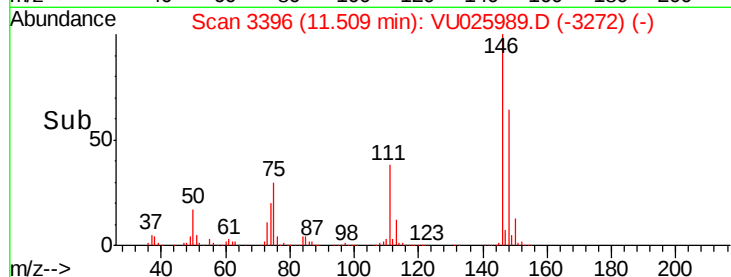
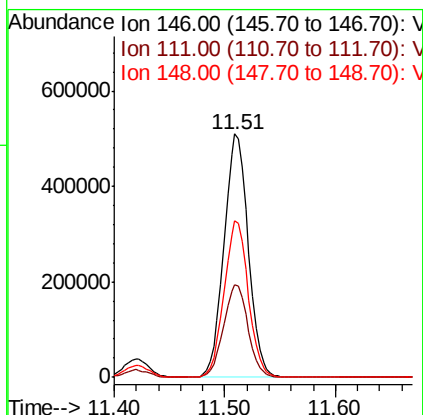
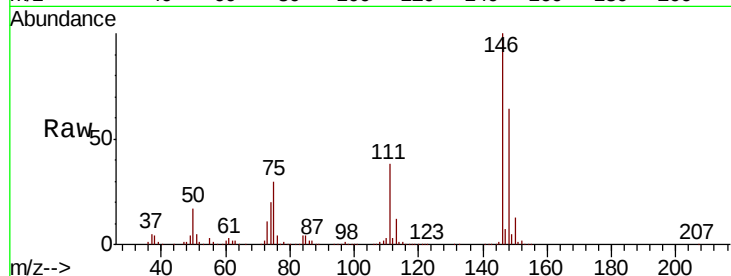




#63
 1,4-Dichlorobenzene
 Concen: 170.44 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025989.D
 Acq: 09 Aug 2018 12:20

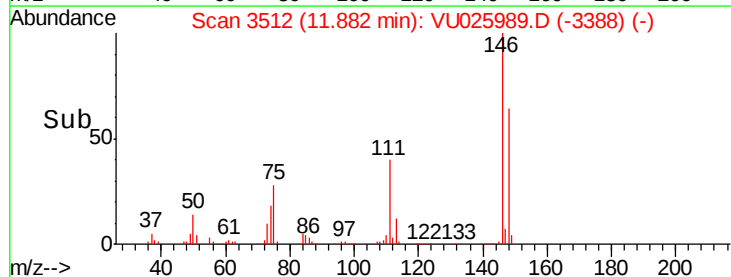
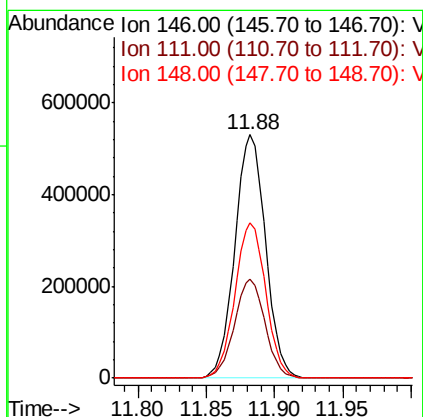
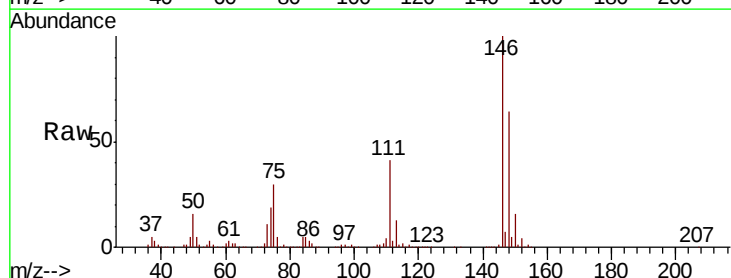
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 MSVOA_U
 ClientSampleId :
 A4ZB1

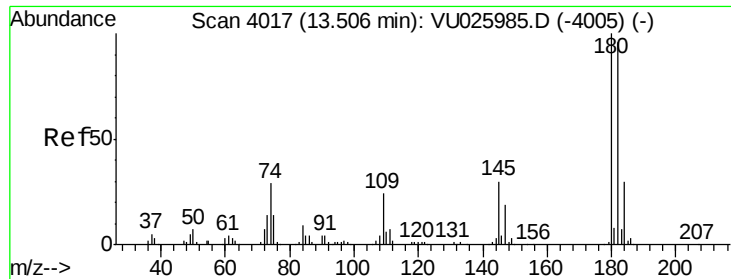
Tot Ion:146 Resp: 778579
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.4 49.0
 148 64.3 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 179.00 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025989.D
 Acq: 09 Aug 2018 12:20

Tgt Ion:146 Resp: 830268
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.4 48.6
 148 63.7 50.1 75.1

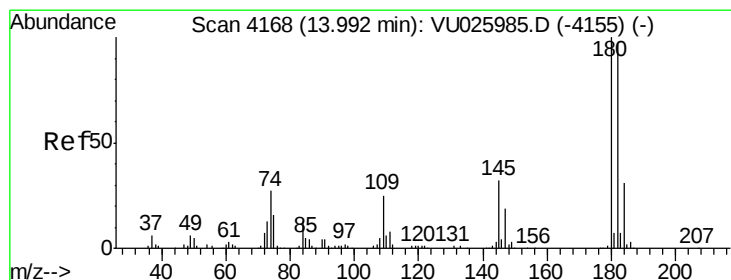
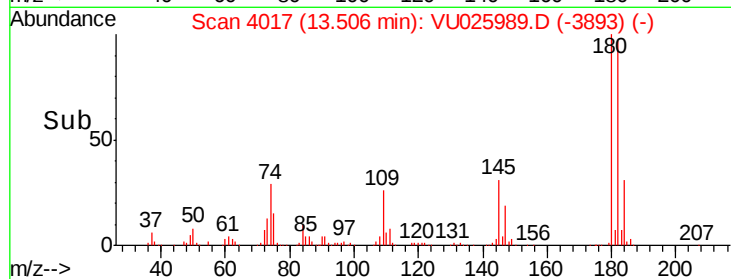
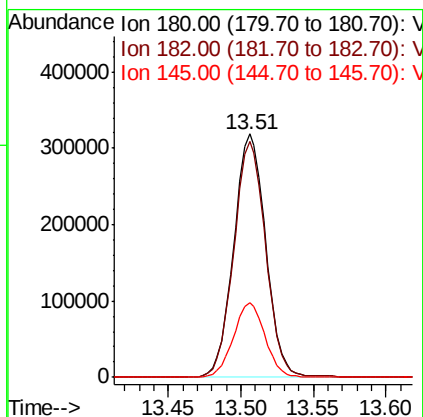
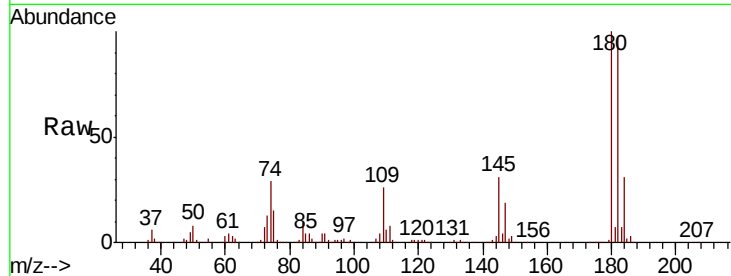




#68
 1,2,4-trichlorobenzene
 Concen: 177.54 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025989.D
 Acq: 09 Aug 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZB1

Tot Ion:180 Resp: 488975
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.5 114.7
 145 30.2 24.2 36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 38.88 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU025989.D
 Acq: 09 Aug 2018 12:20

Tgt Ion:180 Resp: 115085
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 31.8 24.7 37.1

