

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026012.D
 Acq On : 09 Aug 2018 22:04
 Operator : MD/SY
 Sample : J4361-15DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD0DL

Quant Time: Aug 10 07:48:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 07:39:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	278233	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	271341	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	131808	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76280	37.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.02%
7) Chloroethane-d5	1.65	69	64703	40.13	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.26%
11) 1,1-Dichloroethene-d2	2.26	63	113605	29.40	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.80%#
21) 2-Butanone-d5	4.18	46	151230	89.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.22%
24) Chloroform-d	4.64	84	183607	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.14%
26) 1,2-Dichloroethane-d4	5.31	65	127726	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.68%
32) Benzene-d6	5.34	84	349198	41.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.88%
36) 1,2-Dichloropropane-d6	6.33	67	114776	42.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.20%
41) Toluene-d8	7.57	98	317733	39.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.84%#
43) trans-1,3-Dichloropropene-	7.85	79	55323	40.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.56%
47) 2-Hexanone-d5	8.32	63	115360	93.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.16%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	183817	46.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	143191	44.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.14%

Target Compounds

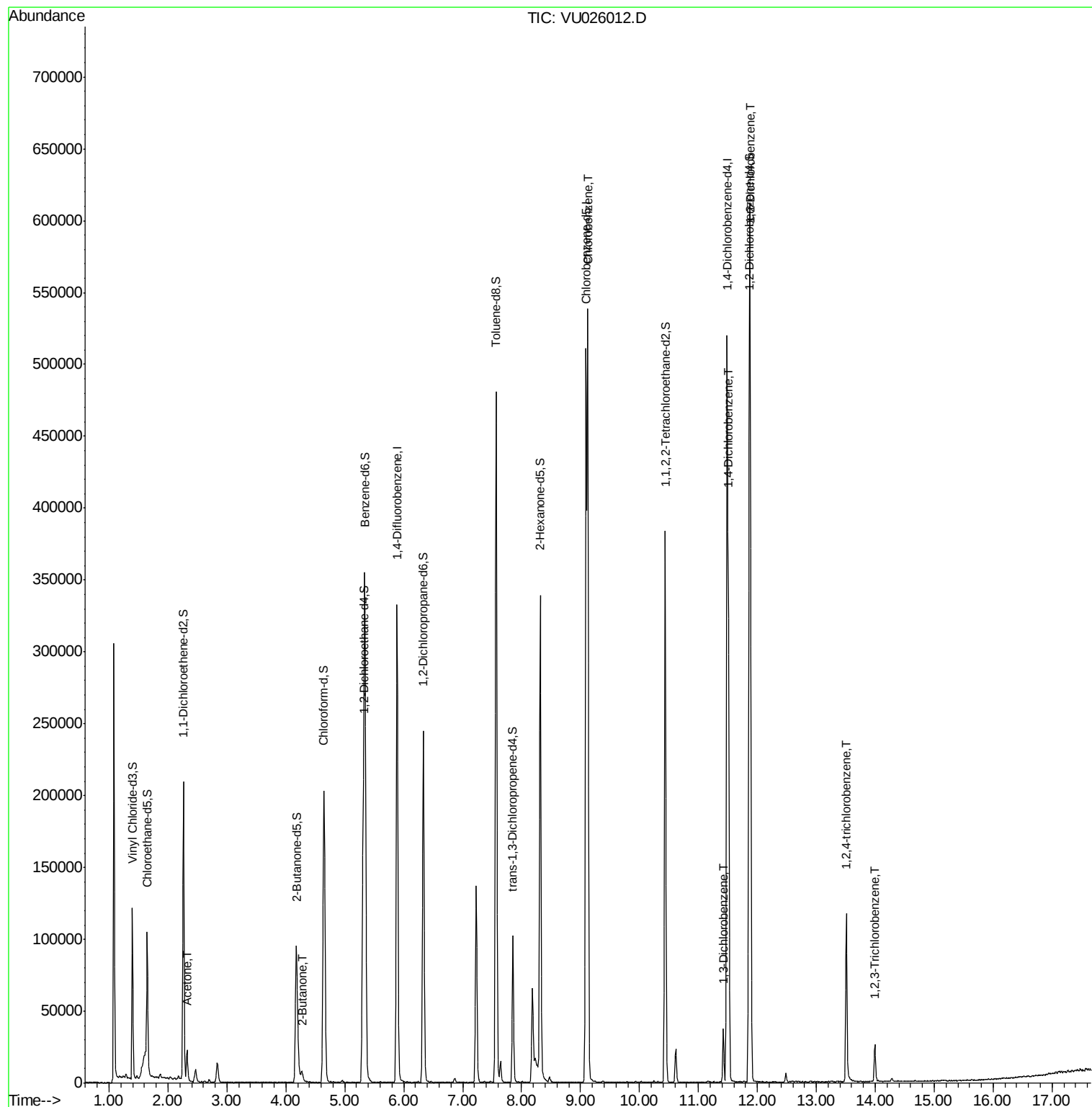
					Ovalue
13) Acetone	2.32	43	20098	19.09	ug/L 99
22) 2-Butanone	4.27	43	10054	6.60	ug/L 95
51) Chlorobenzene	9.12	112	276406	49.97	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	15268	3.72	ug/L 93
63) 1,4-Dichlorobenzene	11.51	146	109833	25.53	ug/L 100
65) 1,2-Dichlorobenzene	11.88	146	129182	29.58	ug/L 98
68) 1,2,4-trichlorobenzene	13.51	180	38415	14.81	ug/L 98
70) 1,2,3-Trichlorobenzene	13.99	180	9873	3.54	ug/L 96

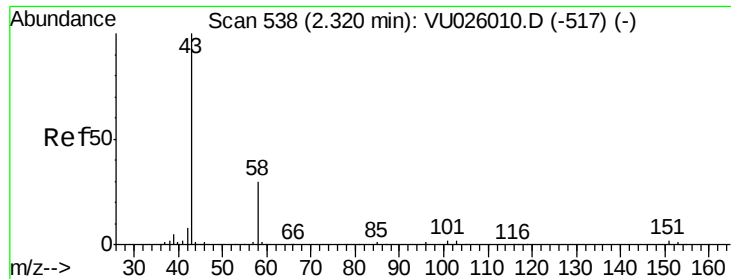
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 10 07:39:13 2018
Response via : Initial Calibration





#13

Acetone

Concen: 19.09 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

Instrument :

MSVOA_U

ClientSampleId :

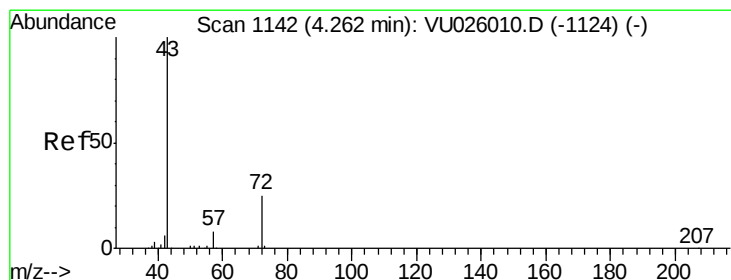
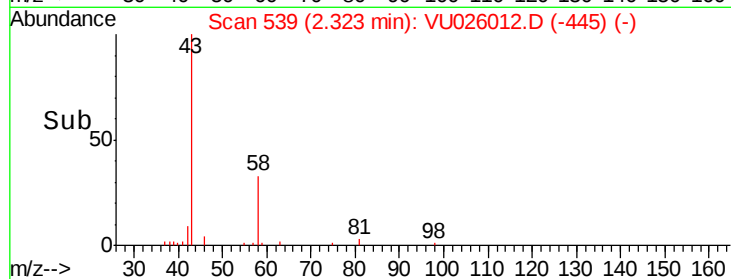
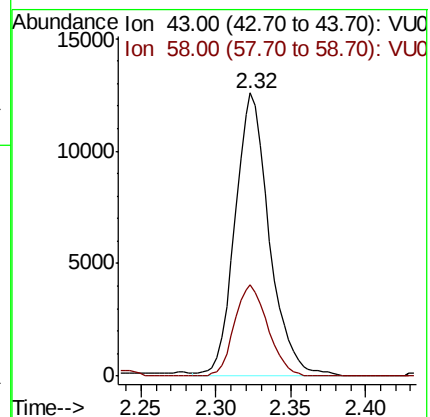
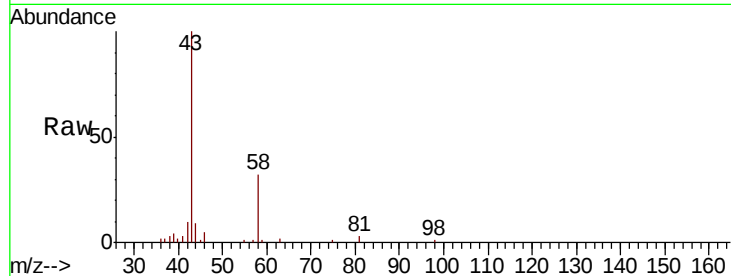
A4ZD0DL

Tot Ion: 43 Resp: 20098

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.8



#22

2-Butanone

Concen: 6.60 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026012.D

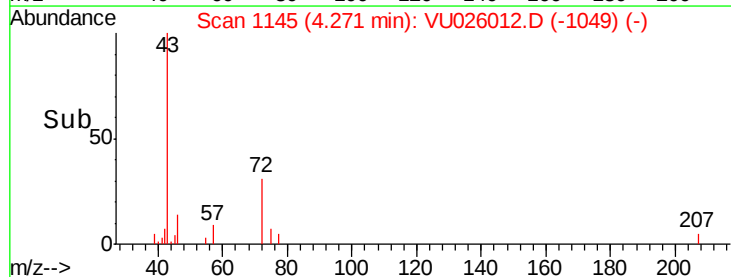
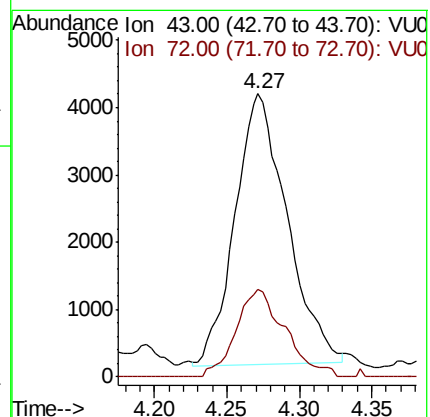
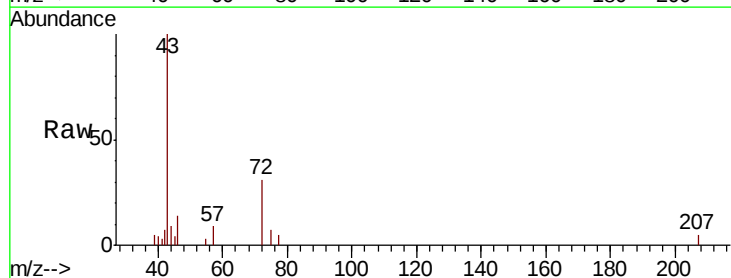
Acq: 09 Aug 2018 22:04

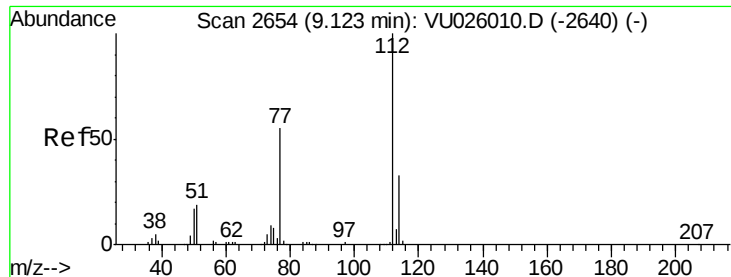
Tgt Ion: 43 Resp: 10054

Ion Ratio Lower Upper

43 100

72 29.8 13.5 40.5





#51

Chlorobenzene

Concen: 49.97 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

Instrument :

MSVOA_U

ClientSampleId :

A4ZD0DL

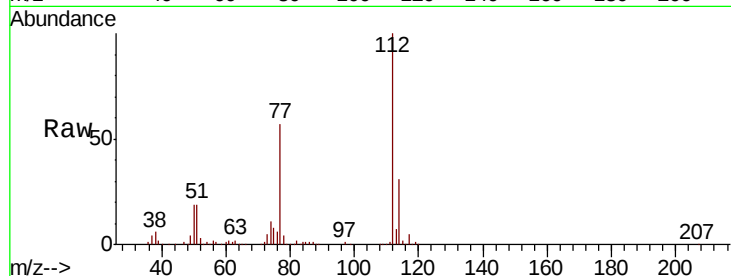
Tot Ion:112 Resp: 276406

Ion Ratio Lower Upper

112 100

114 30.7 22.7 42.3

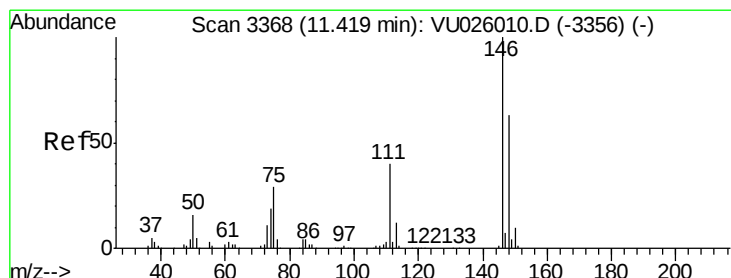
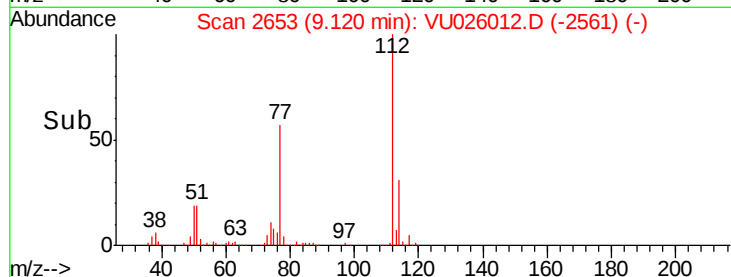
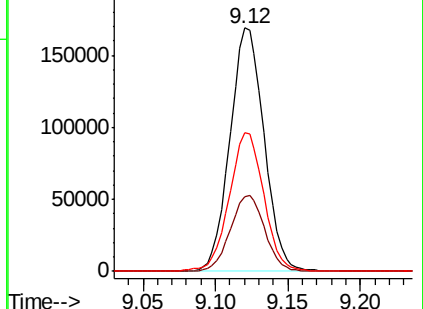
77 56.7 45.2 67.8



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): VU0



#62

1,3-Dichlorobenzene

Concen: 3.72 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026012.D

Acq: 09 Aug 2018 22:04

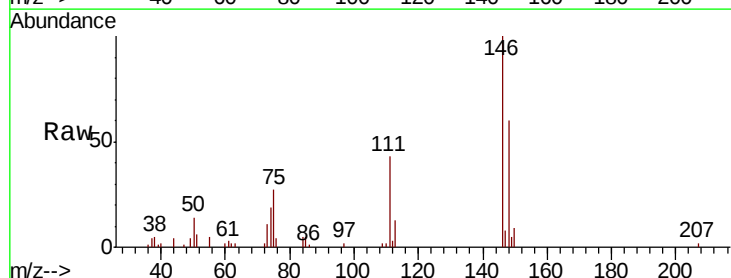
Tgt Ion:146 Resp: 15268

Ion Ratio Lower Upper

146 100

111 43.1 27.9 51.9

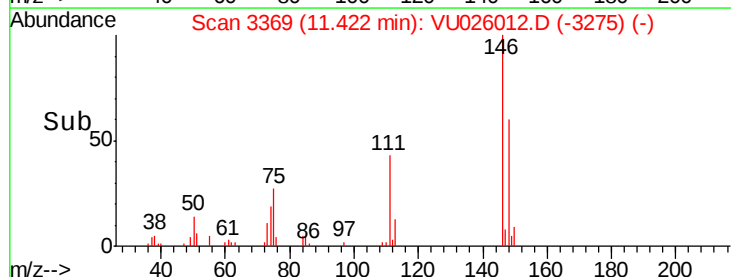
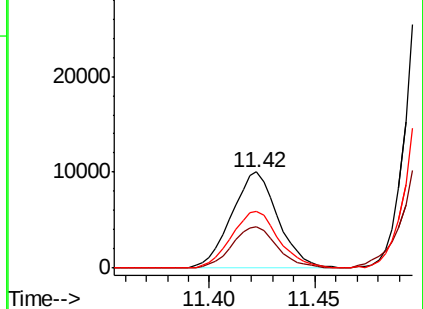
148 59.7 46.0 85.4

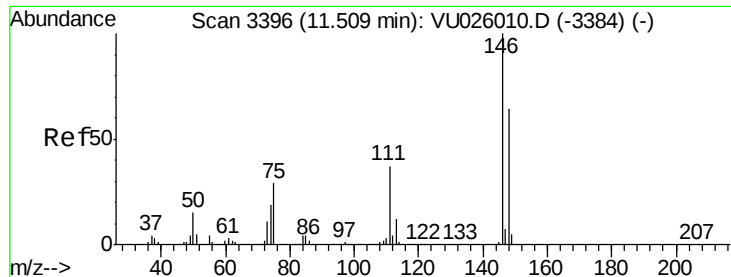


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

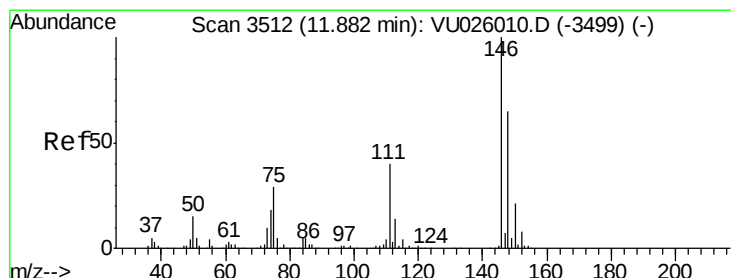
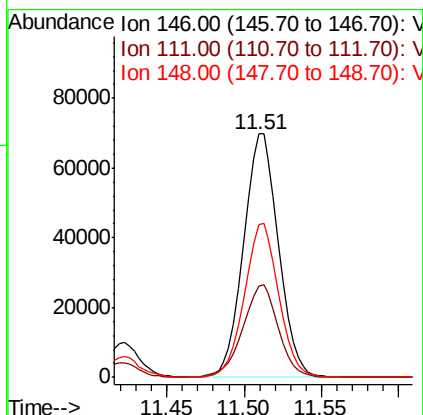
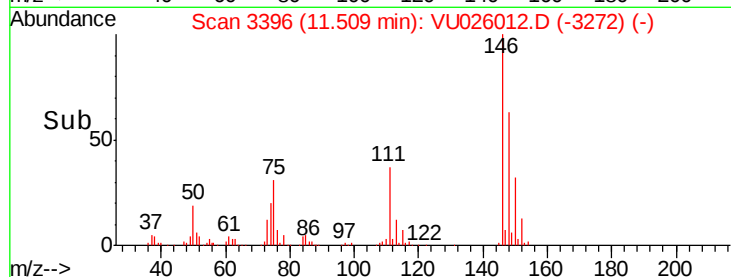
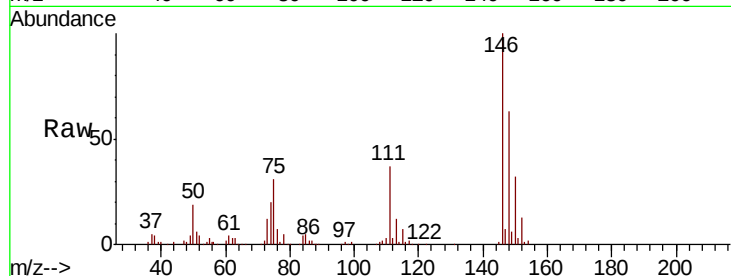




#63
 1,4-Dichlorobenzene
 Concen: 25.53 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026012.D
 Acq: 09 Aug 2018 22:04

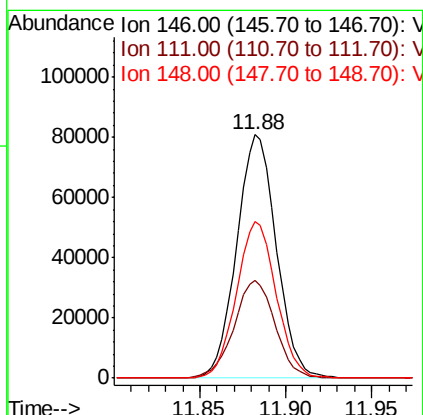
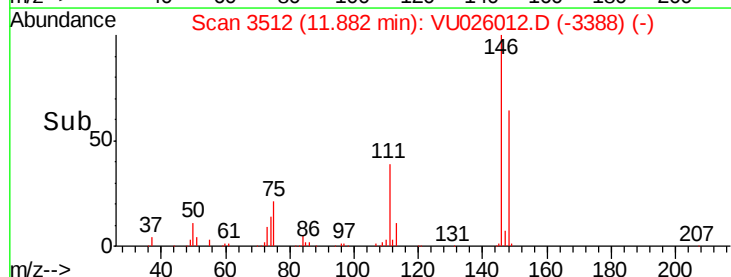
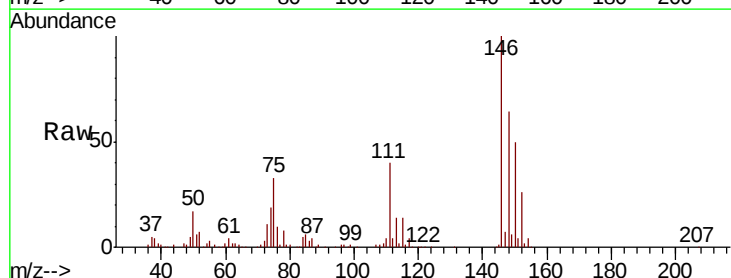
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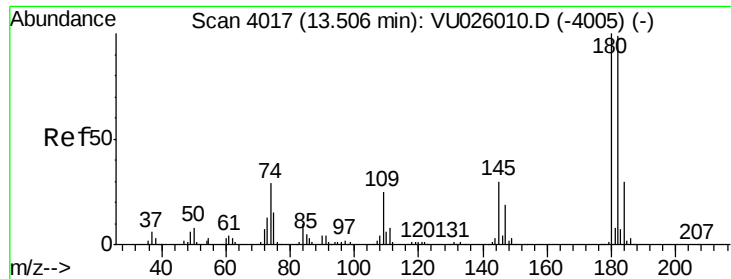
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.4	49.0
148	62.6	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 29.58 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026012.D
 Acq: 09 Aug 2018 22:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	32.4	48.6
148	64.3	50.1	75.1

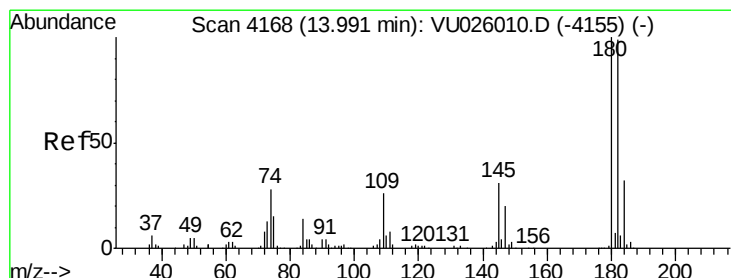
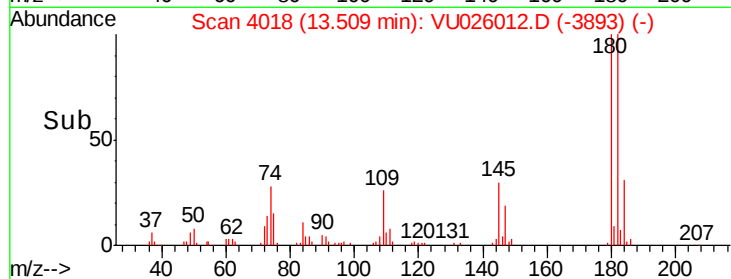
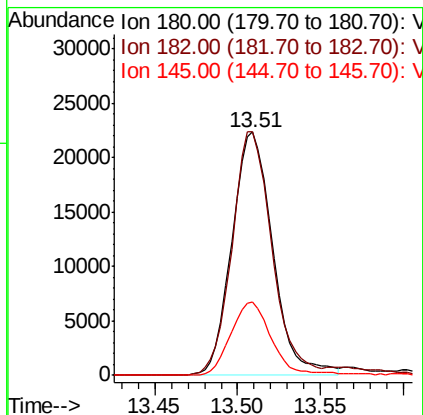
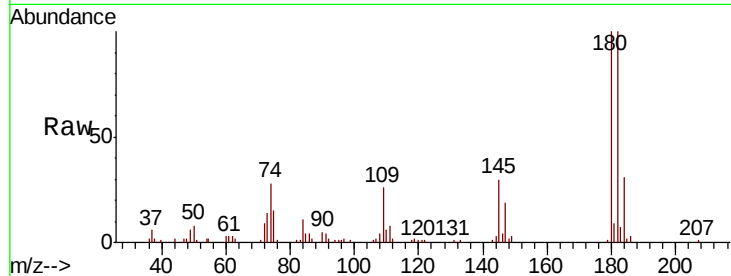




#68
 1,2,4-trichlorobenzene
 Concen: 14.81 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026012.D
 Acq: 09 Aug 2018 22:04

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD0DL

Tot Ion	180	Resp	38415
Ion Ratio	100	Lower	Upper
182	97.6	76.5	114.7
145	30.2	24.2	36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 3.54 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU026012.D
 Acq: 09 Aug 2018 22:04

Tgt Ion	180	Resp	9873
Ion Ratio	100	Lower	Upper
182	92.4	76.5	114.7
145	27.9	24.7	37.1

