

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026082.D
 Acq On : 13 Aug 2018 21:05
 Operator : MD/SY
 Sample : J4451-01DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ3DL

Quant Time: Aug 14 02:51:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 02:18:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	276183	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	262463	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	116439	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79642	39.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.90%
7) Chloroethane-d5	1.68	69	68008	42.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.98%
11) 1,1-Dichloroethene-d2	2.27	63	121629	31.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.42%
21) 2-Butanone-d5	4.18	46	140763	83.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.66%
24) Chloroform-d	4.65	84	176012	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.24%
26) 1,2-Dichloroethane-d4	5.31	65	127034	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.86%
32) Benzene-d6	5.35	84	354222	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.92%
36) 1,2-Dichloropropane-d6	6.33	67	116849	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.62%
41) Toluene-d8	7.57	98	319667	41.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	7.85	79	55353	41.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.32%
47) 2-Hexanone-d5	8.31	63	96773	80.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.79%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	147550	38.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	132704	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%

Target Compounds

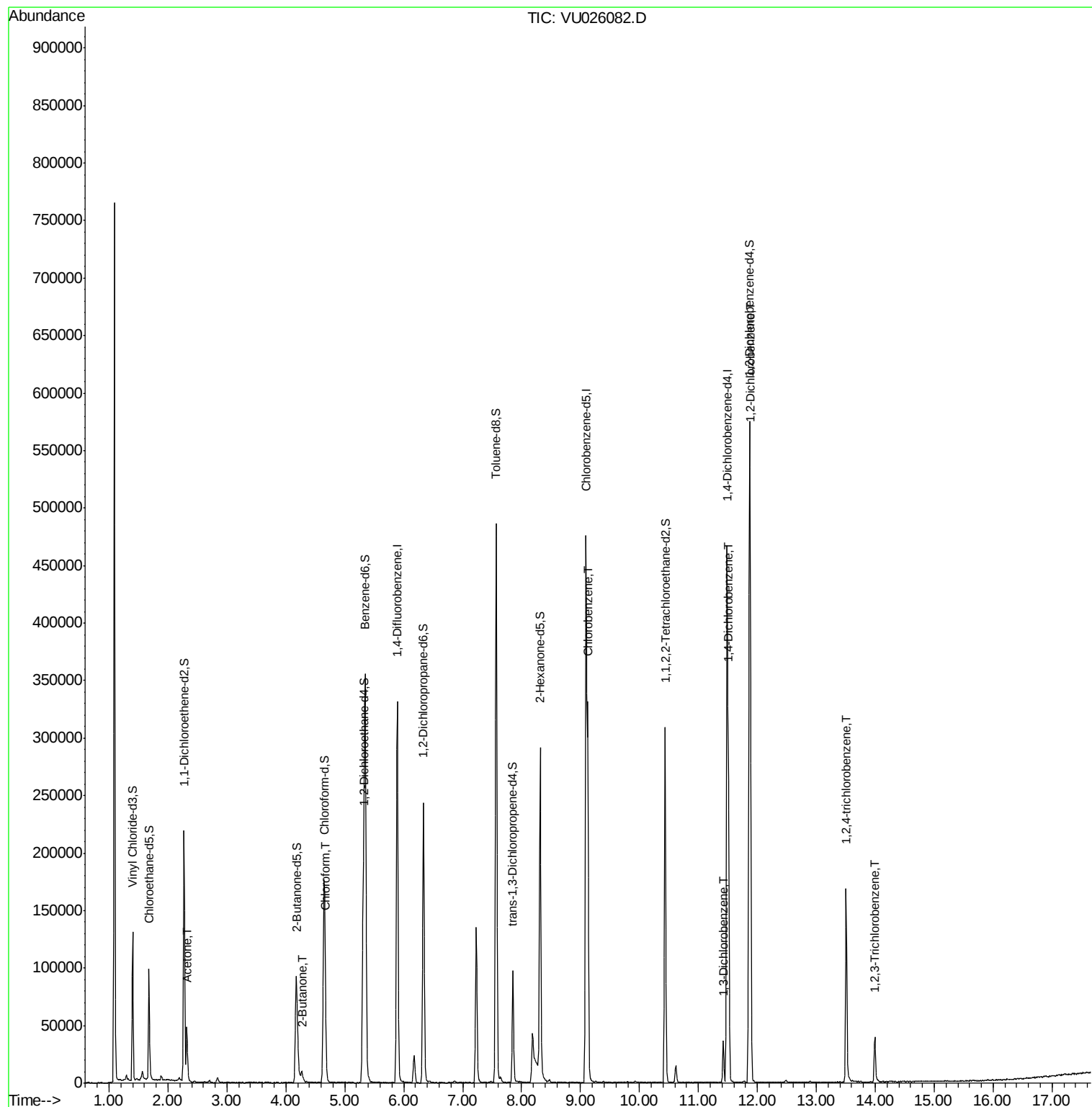
						Ovalue
13) Acetone	2.32	43	45508	43.54	ug/L	100
22) 2-Butanone	4.27	43	12621	8.35	ug/L	99
25) Chloroform	4.68	83	10391	2.90	ug/L	88
51) Chlorobenzene	9.12	112	169192	31.62	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	15439	4.26	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	88972	23.41	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	126772	32.86	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	57964	25.30	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	15118	6.14	ug/L	98

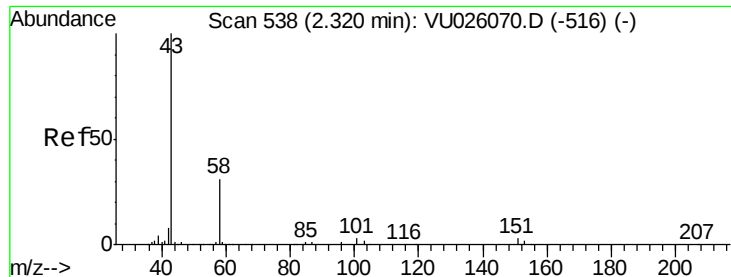
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 14 02:18:47 2018
Response via : Initial Calibration





#13

Acetone

Concen: 43.54 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026082.D

Acq: 13 Aug 2018 21:05

Instrument :

MSVOA_U

ClientSampleId :

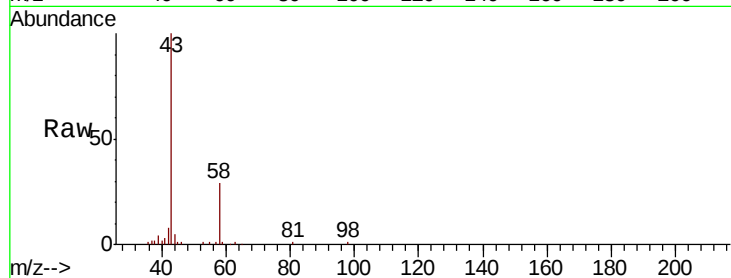
A4ZJ3DL

Tot Ion: 43 Resp: 45508

Ion Ratio Lower Upper

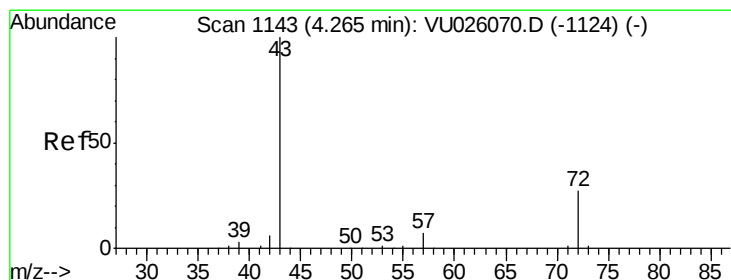
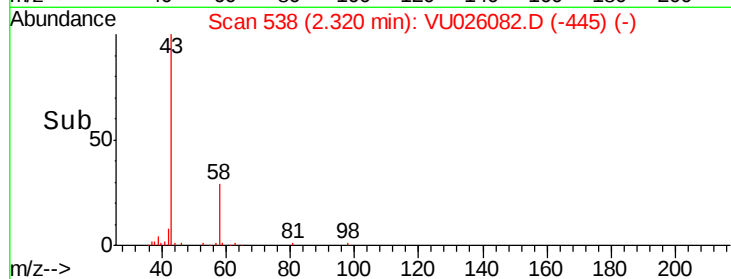
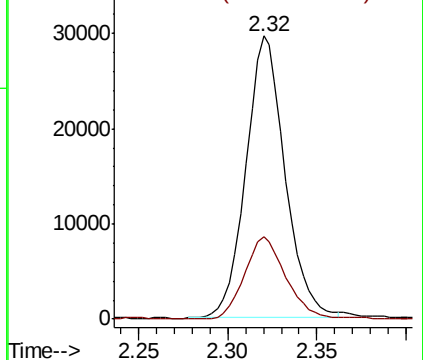
43 100

58 30.8 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#22

2-Butanone

Concen: 8.35 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026082.D

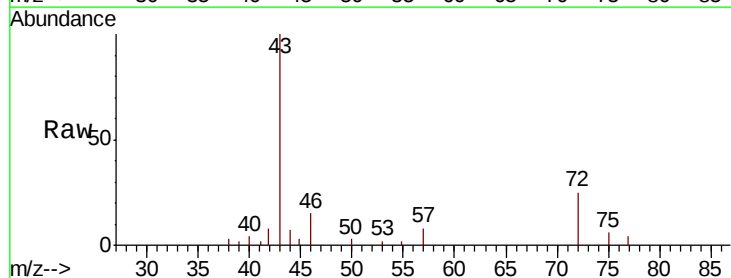
Acq: 13 Aug 2018 21:05

Tgt Ion: 43 Resp: 12621

Ion Ratio Lower Upper

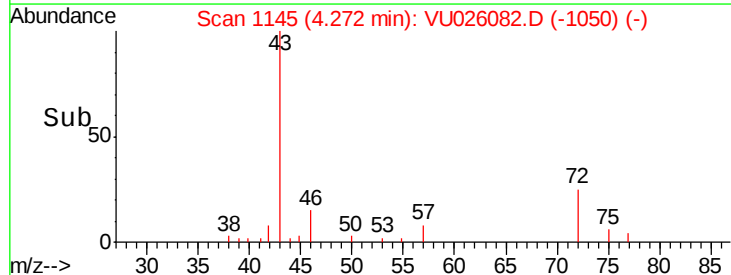
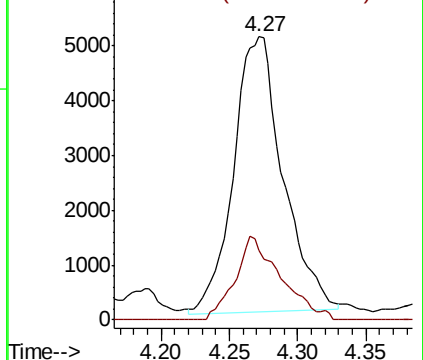
43 100

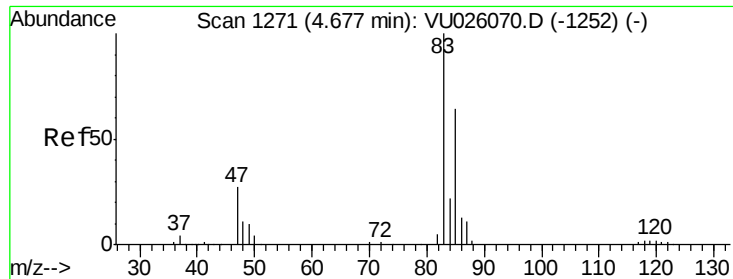
72 27.3 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

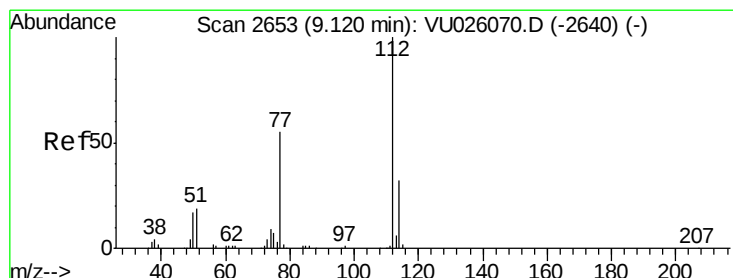
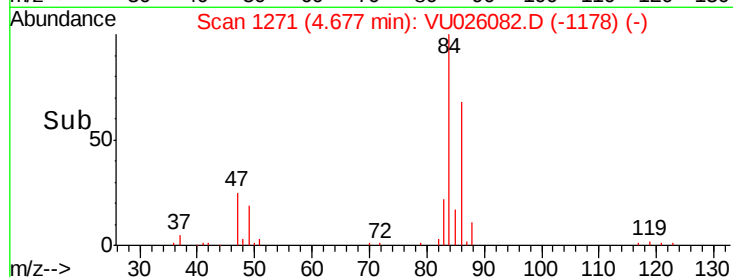
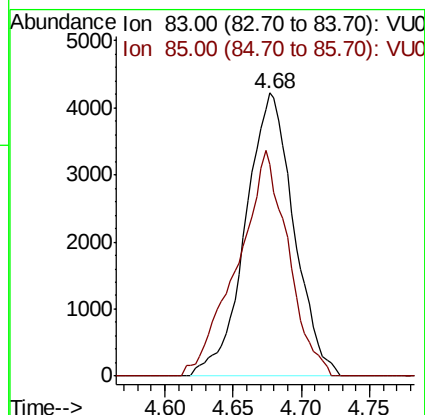
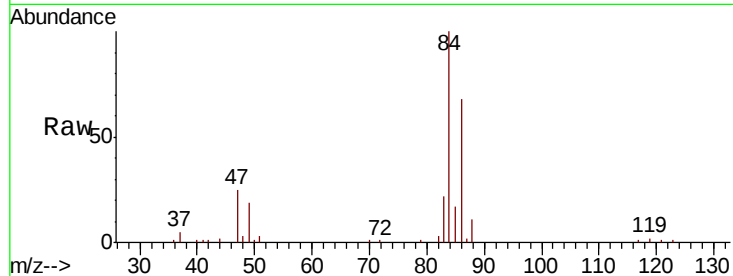




#25
Chloroform
Concen: 2.90 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026082.D
Acq: 13 Aug 2018 21:05

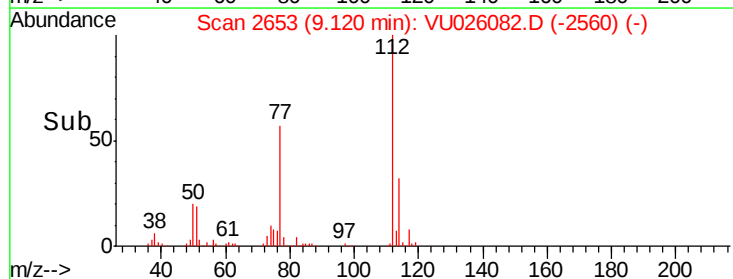
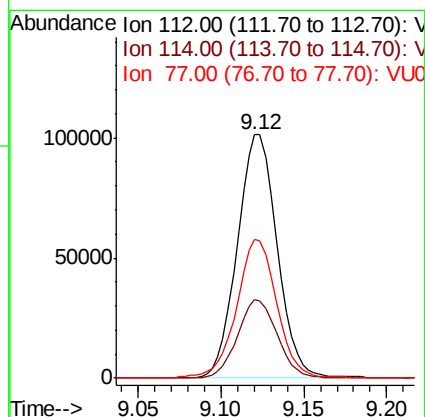
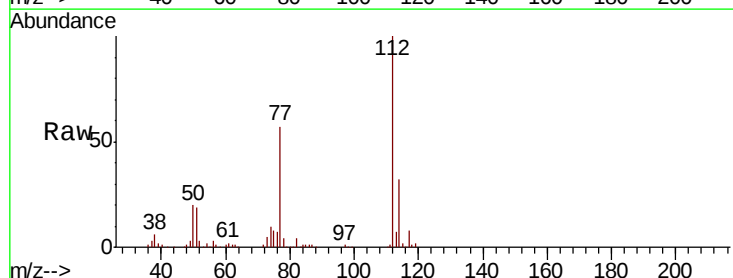
Instrument :
MSVOA_U
ClientSampled :
A4ZJ3DL

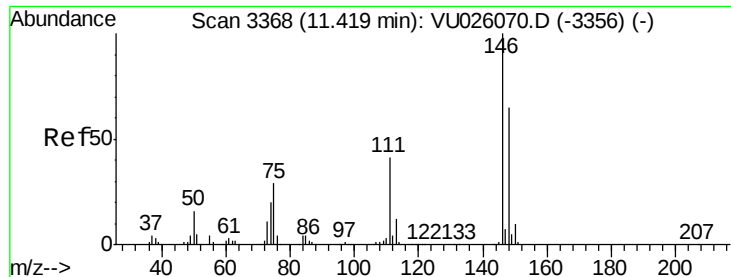
Tot Ion: 83 Resp: 10391
Ion Ratio Lower Upper
83 100
85 75.0 45.9 85.3



#51
Chlorobenzene
Concen: 31.62 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026082.D
Acq: 13 Aug 2018 21:05

Tgt Ion: 112 Resp: 169192
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.3
77 57.1 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 4.26 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026082.D

Acq: 13 Aug 2018 21:05

Instrument :

MSVOA_U

ClientSampled :

A4ZJ3DL

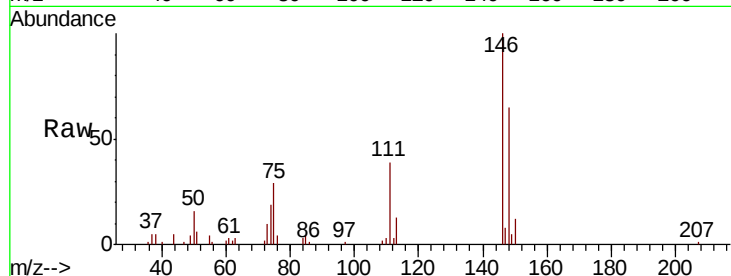
Tot Ion:146 Resp: 15439

Ion Ratio Lower Upper

146 100

111 39.3 27.9 51.9

148 65.4 46.0 85.4

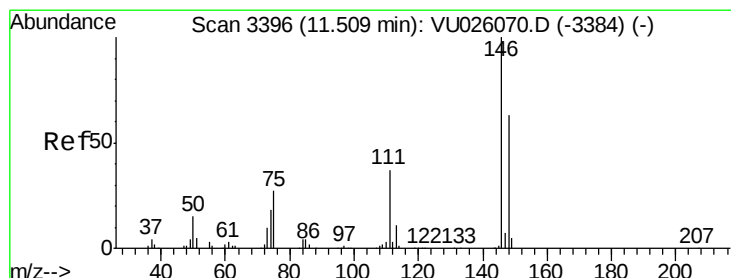
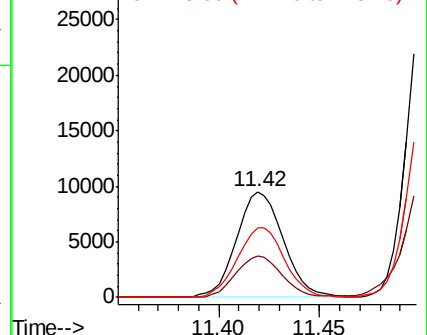
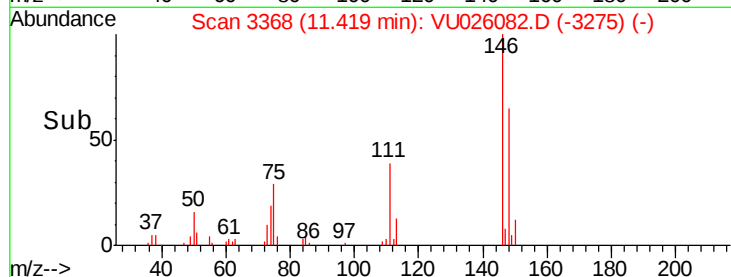


Abundance

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: 23.41 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026082.D

Acq: 13 Aug 2018 21:05

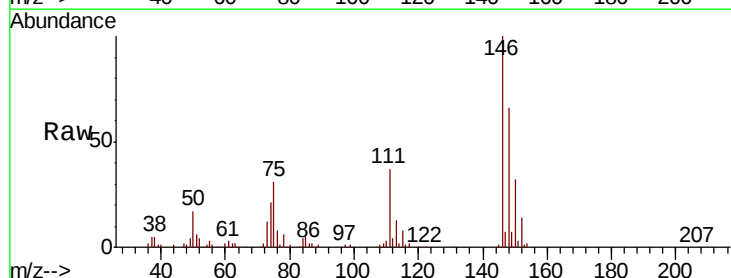
Tgt Ion:146 Resp: 88972

Ion Ratio Lower Upper

146 100

111 37.1 26.4 49.0

148 65.5 43.8 81.4

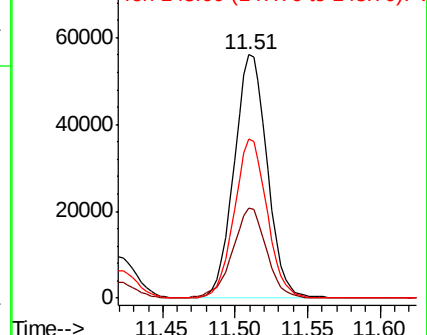
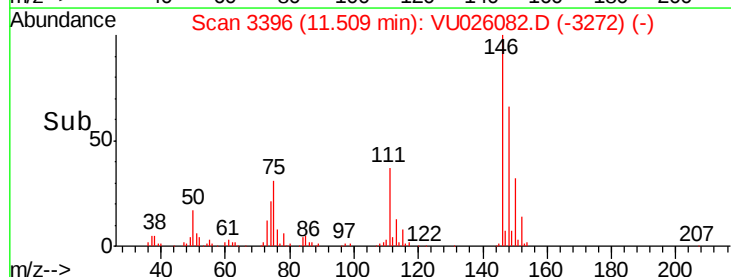


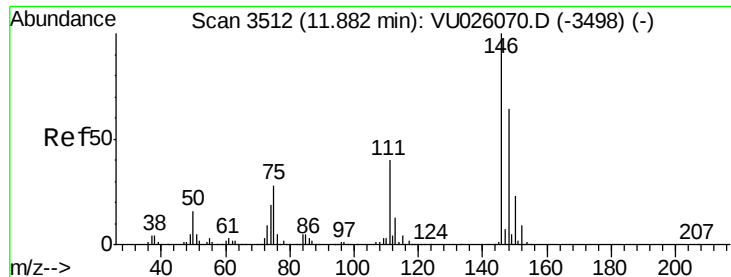
Abundance

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: 32.86 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026082.D

Acq: 13 Aug 2018 21:05

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ3DL

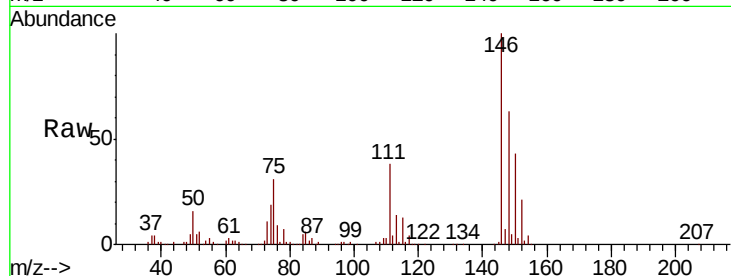
Tot Ion:146 Resp: 126772

Ion Ratio Lower Upper

146 100

111 37.9 32.4 48.6

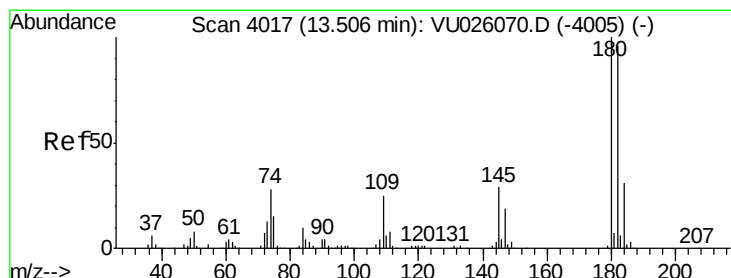
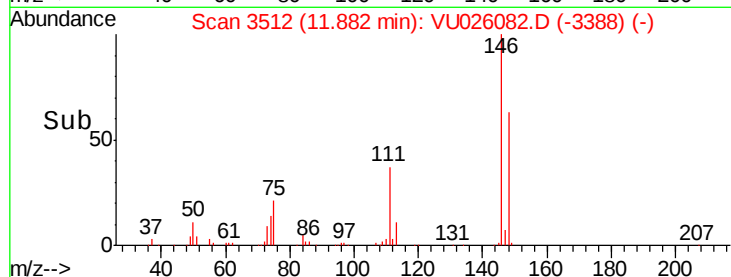
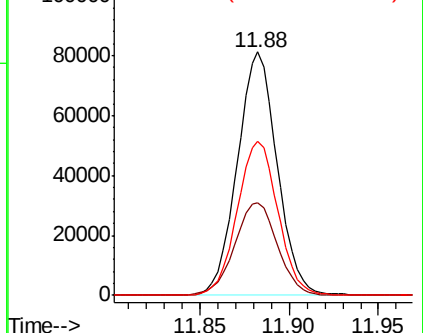
148 63.4 50.1 75.1



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



#68

1,2,4-trichlorobenzene

Concen: 25.30 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026082.D

Acq: 13 Aug 2018 21:05

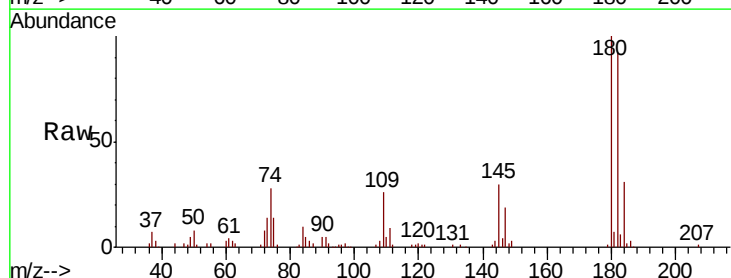
Tgt Ion:180 Resp: 57964

Ion Ratio Lower Upper

180 100

182 91.4 76.5 114.7

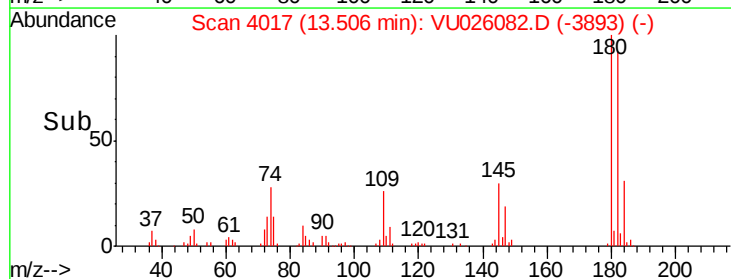
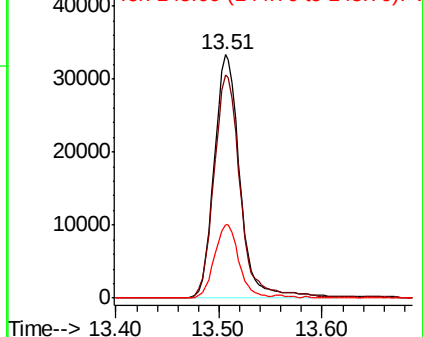
145 28.5 24.2 36.4

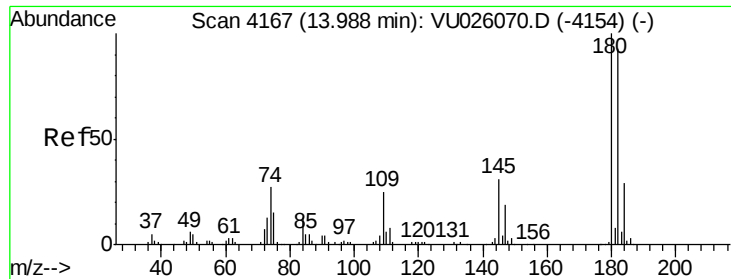


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

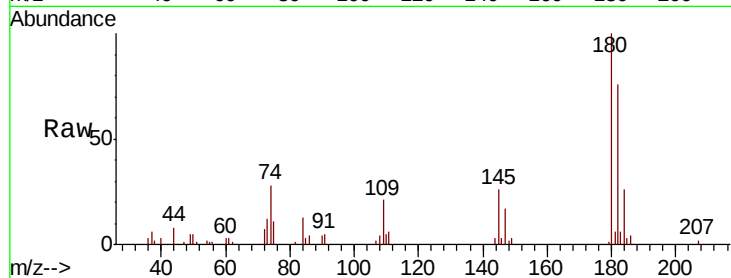




#70
 1,2,3-Trichlorobenzene
 Concen: 6.14 ug/L
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU026082.D
 Acq: 13 Aug 2018 21:05

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ3DL

Tot Ion	180	Resp	15118
Ion Ratio	Lower	Upper	
180	100		
182	92.8	76.5	114.7
145	30.6	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

