

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026038.D
 Acq On : 10 Aug 2018 13:05
 Operator : MD/SY
 Sample : J4401-01 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD9

Quant Time: Aug 11 01:47:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	325022	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	308634	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	151029	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88309	37.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.34%
7) Chloroethane-d5	1.68	69	84039	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.24%
11) 1,1-Dichloroethene-d2	2.27	63	142129	31.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.96%
21) 2-Butanone-d5	4.18	46	200192	101.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.10%
24) Chloroform-d	4.65	84	246968	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
26) 1,2-Dichloroethane-d4	5.31	65	171419	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.74%
32) Benzene-d6	5.34	84	467285	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
36) 1,2-Dichloropropane-d6	6.33	67	157043	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.28%
41) Toluene-d8	7.57	98	425462	46.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.85	79	77120	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
47) 2-Hexanone-d5	8.31	63	145310	103.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.17%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	227838	50.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	194495	52.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.48%

Target Compounds

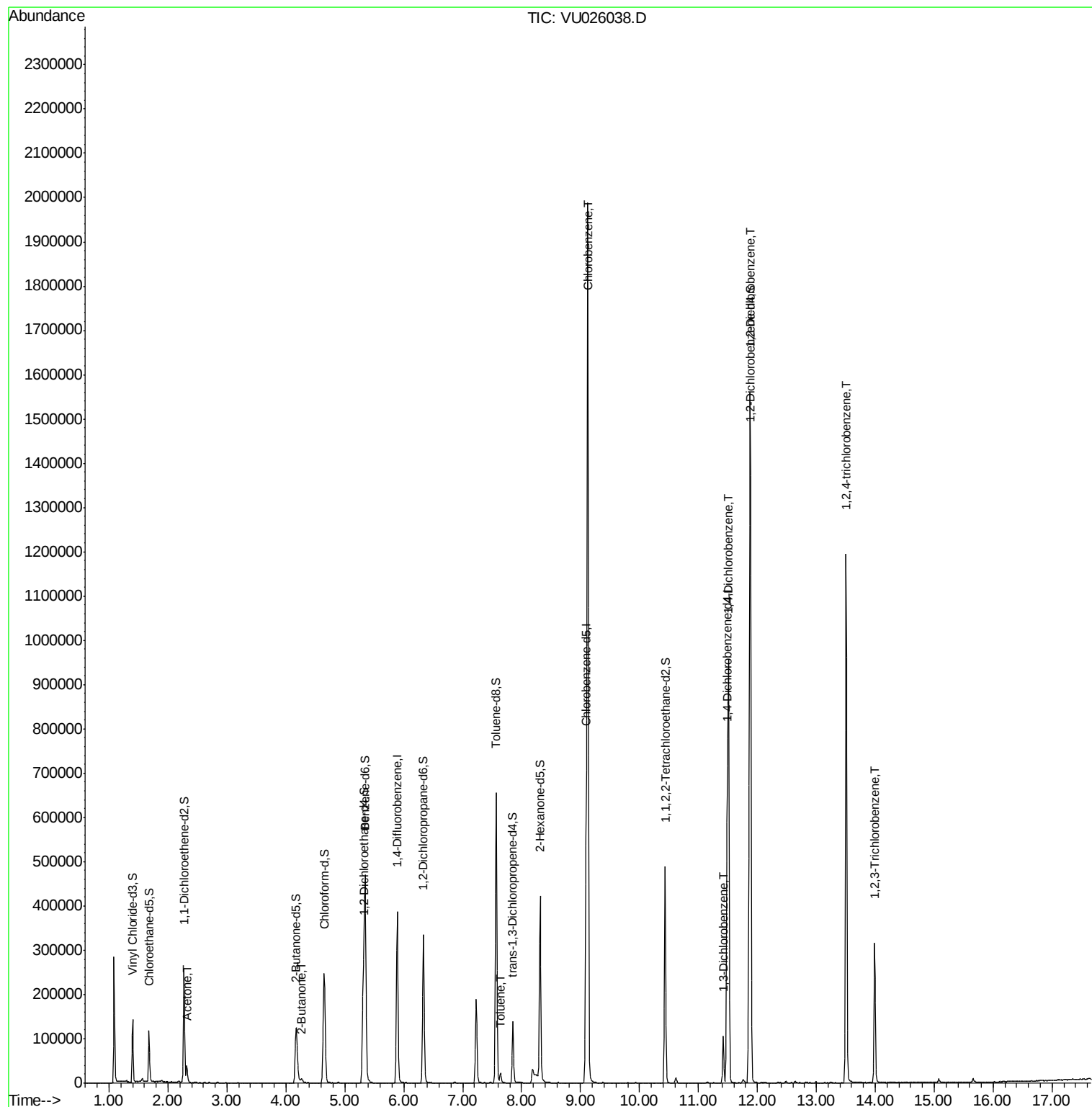
						Ovalue
13) Acetone	2.32	43	37475	30.47	ug/L	98
22) 2-Butanone	4.27	43	12240	6.88	ug/L	100
42) Toluene	7.64	91	15874	1.70	ug/L	96
51) Chlorobenzene	9.12	112	1043168	165.81	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	42274	8.99	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	363638	73.78	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	557289	111.35	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	371142	124.89	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	101355	31.73	ug/L	99

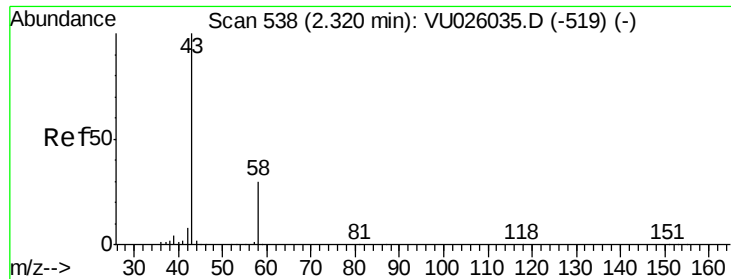
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration





#13

Acetone

Concen: 30.47 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026038.D

Acq: 10 Aug 2018 13:05

Instrument :

MSVOA_U

ClientSampleId :

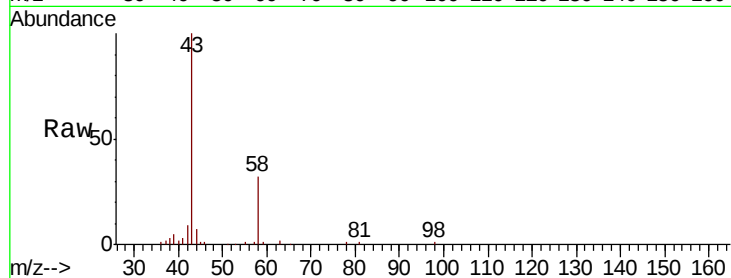
A4ZD9

Tot Ion: 43 Resp: 37475

Ion Ratio Lower Upper

43 100

58 31.8 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

25000

20000

15000

10000

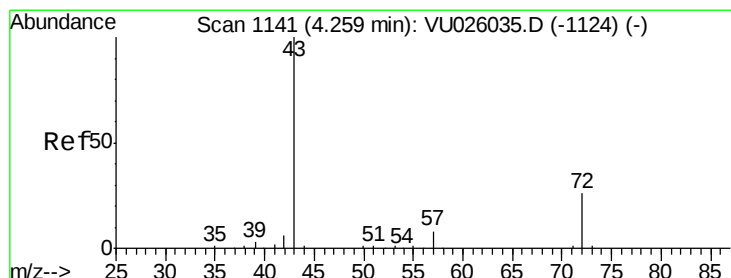
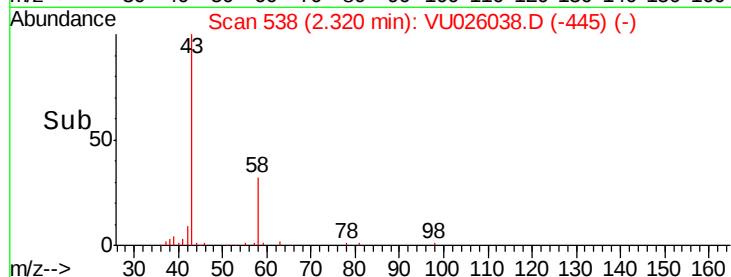
5000

0

Time-->

2.25 2.30 2.35 2.40

2.32



#22

2-Butanone

Concen: 6.88 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU026038.D

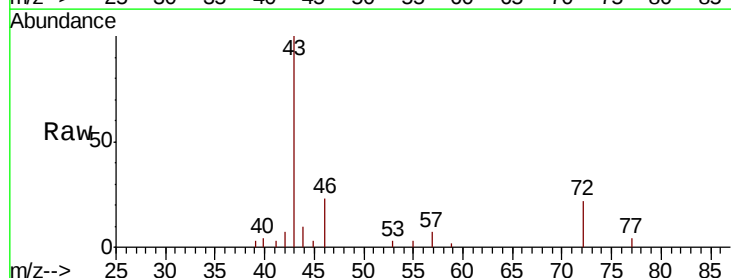
Acq: 10 Aug 2018 13:05

Tgt Ion: 43 Resp: 12240

Ion Ratio Lower Upper

43 100

72 26.9 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

6000

5000

4000

3000

2000

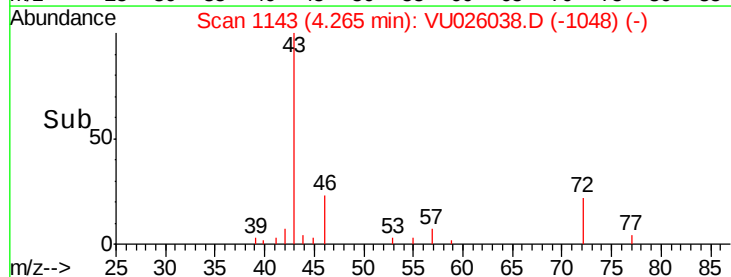
1000

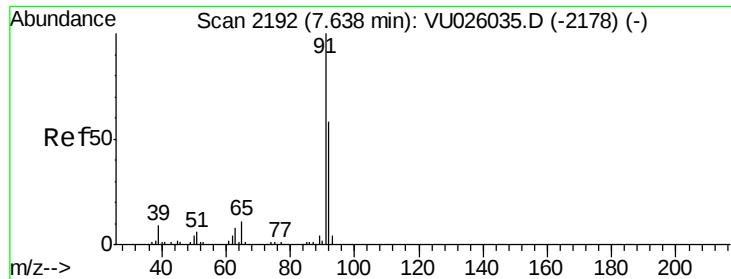
0

Time-->

4.20 4.25 4.30 4.35

4.27





#42

Toluene

Concen: 1.70 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026038.D

Acq: 10 Aug 2018 13:05

Instrument :

MSVOA_U

ClientSampleId :

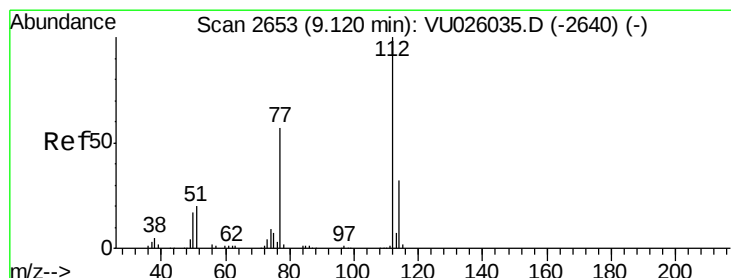
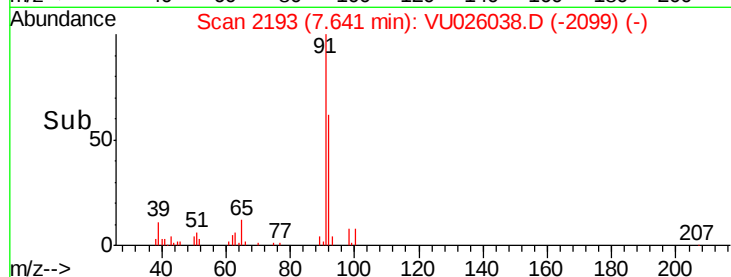
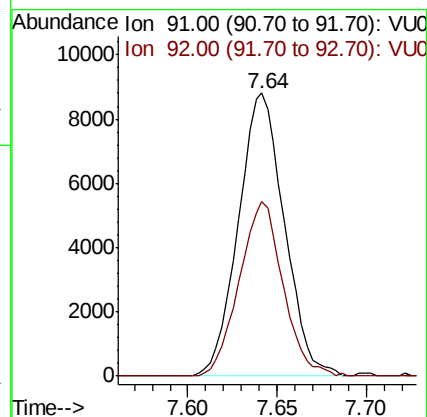
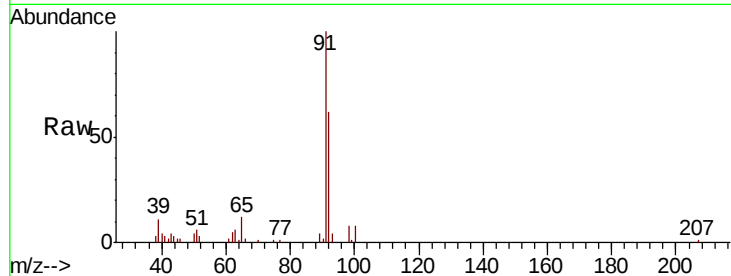
A4ZD9

Tot Ion: 91 Resp: 15874

Ion Ratio Lower Upper

91 100

92 61.8 41.0 76.2



#51

Chlorobenzene

Concen: 165.81 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026038.D

Acq: 10 Aug 2018 13:05

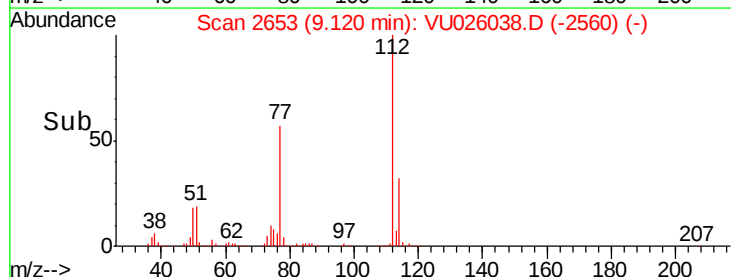
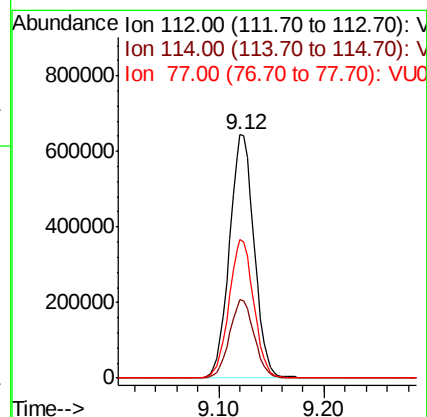
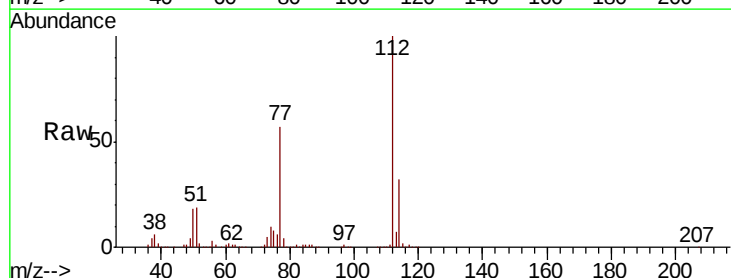
Tgt Ion: 112 Resp: 1043168

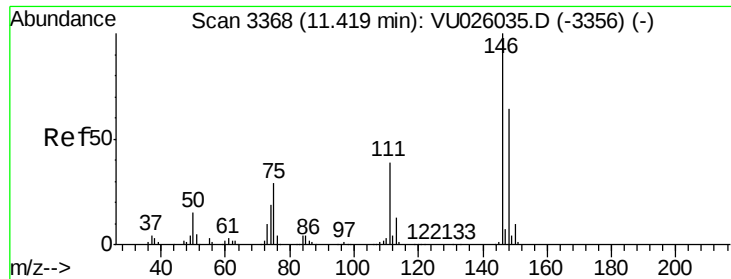
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.3

77 57.1 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 8.99 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026038.D

Acq: 10 Aug 2018 13:05

Instrument :

MSVOA_U

ClientSampleId :

A4ZD9

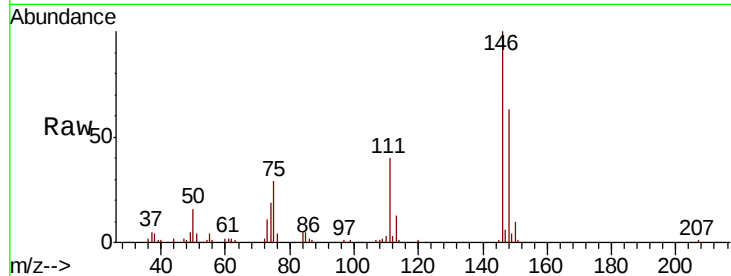
Tot Ion:146 Resp: 42274

Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.9

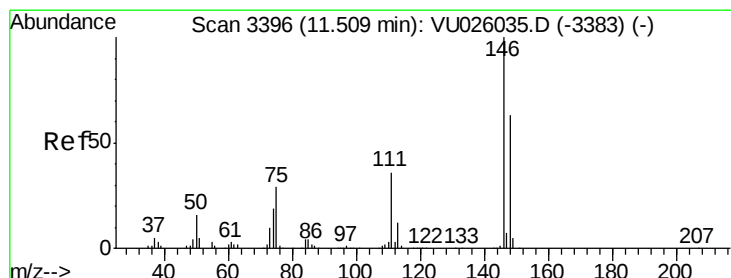
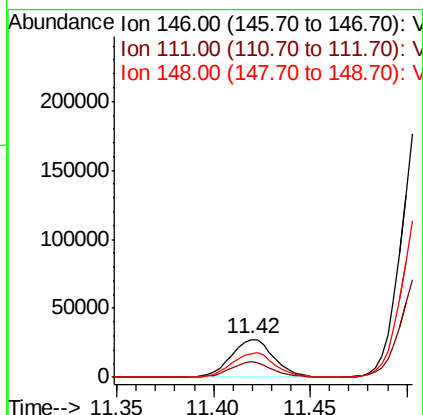
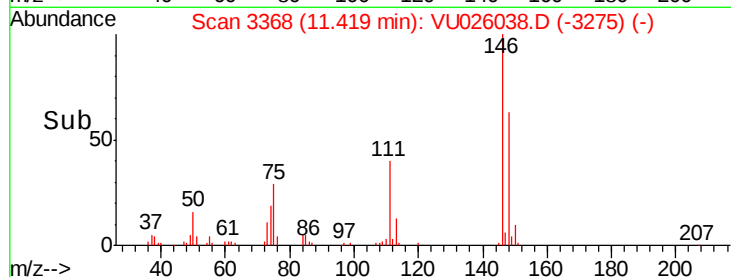
148 63.0 46.0 85.4



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: 73.78 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026038.D

Acq: 10 Aug 2018 13:05

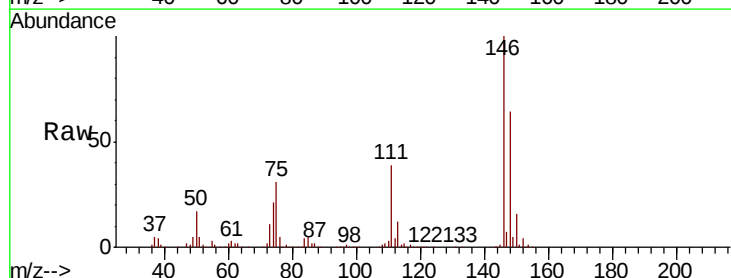
Tgt Ion:146 Resp: 363638

Ion Ratio Lower Upper

146 100

111 38.6 26.4 49.0

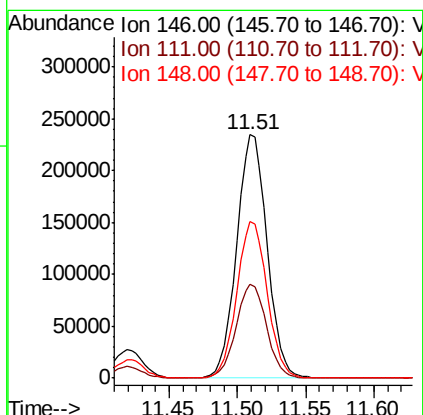
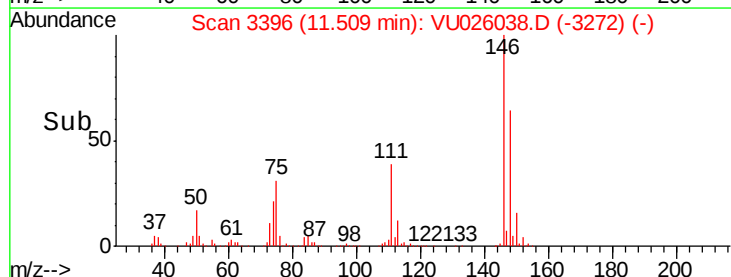
148 64.1 43.8 81.4

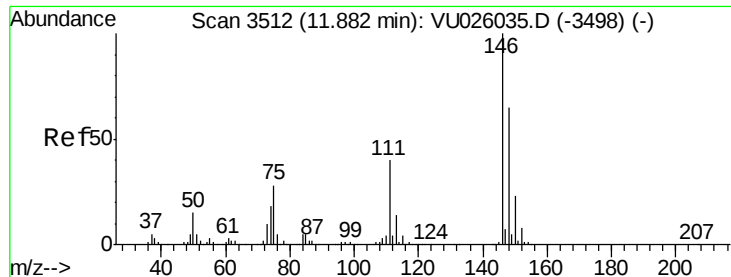


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 111.35 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026038.D

Acq: 10 Aug 2018 13:05

Instrument :

MSVOA_U

ClientSampleId :

A4ZD9

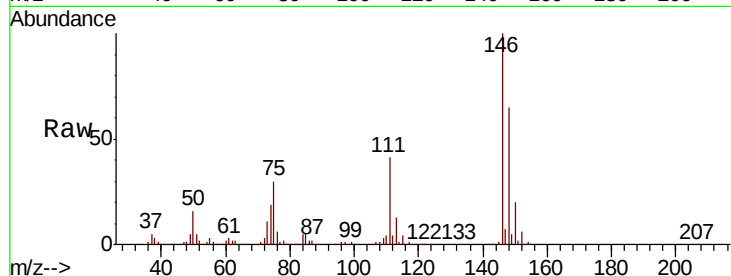
Tot Ion:146 Resp: 557289

Ion Ratio Lower Upper

146 100

111 40.9 32.4 48.6

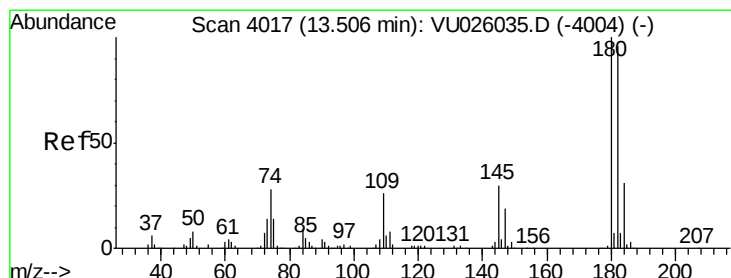
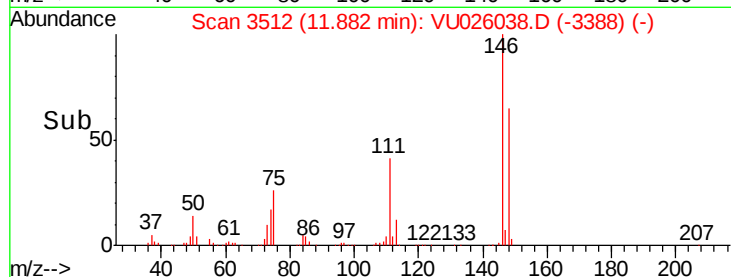
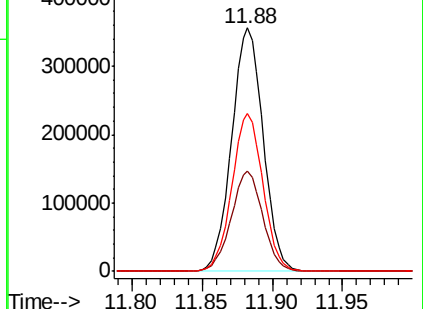
148 64.8 50.1 75.1



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: 124.89 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026038.D

Acq: 10 Aug 2018 13:05

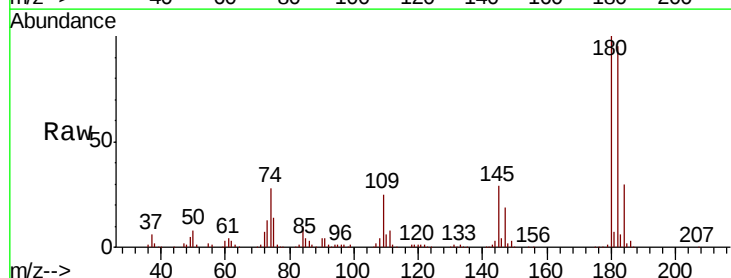
Tgt Ion:180 Resp: 371142

Ion Ratio Lower Upper

180 100

182 94.7 76.5 114.7

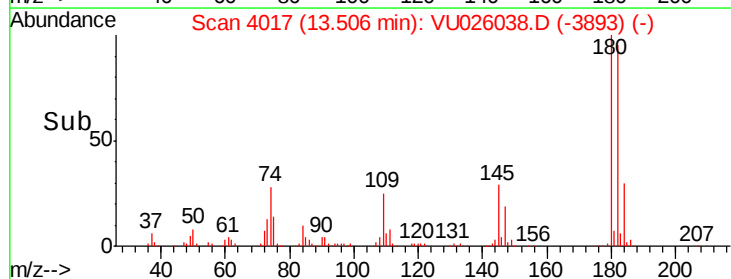
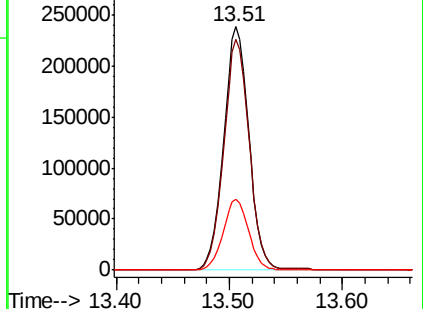
145 29.3 24.2 36.4

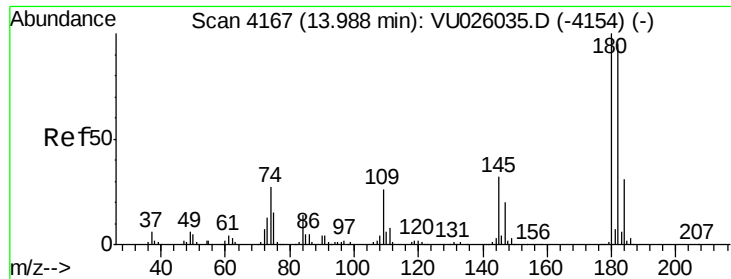


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

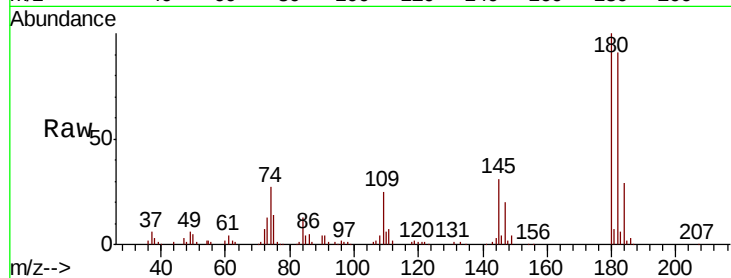




#70
 1,2,3-Trichlorobenzene
 Concen: 31.73 ug/L
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU026038.D
 Acq: 10 Aug 2018 13:05

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD9

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.0	76.5	114.7	
145	31.2	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

