

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026026.D
 Acq On : 10 Aug 2018 03:44
 Operator : MD/SY
 Sample : J4401-11 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 07:43:56 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	295846	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	279432	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	135410	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77014	35.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.22%
7) Chloroethane-d5	1.68	69	68020	39.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.34%
11) 1,1-Dichloroethene-d2	2.27	63	117250	28.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.06%#
21) 2-Butanone-d5	4.18	46	151243	83.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.91%
24) Chloroform-d	4.65	84	190954	41.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.28%
26) 1,2-Dichloroethane-d4	5.31	65	132912	42.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.82%
32) Benzene-d6	5.35	84	362639	41.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.58%
36) 1,2-Dichloropropane-d6	6.33	67	120172	42.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.60%
41) Toluene-d8	7.57	98	324609	39.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.20%#
43) trans-1,3-Dichloropropene-	7.85	79	55567	39.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.56%
47) 2-Hexanone-d5	8.31	63	106973	83.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.89%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	170327	41.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	143031	42.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.70%

Target Compounds

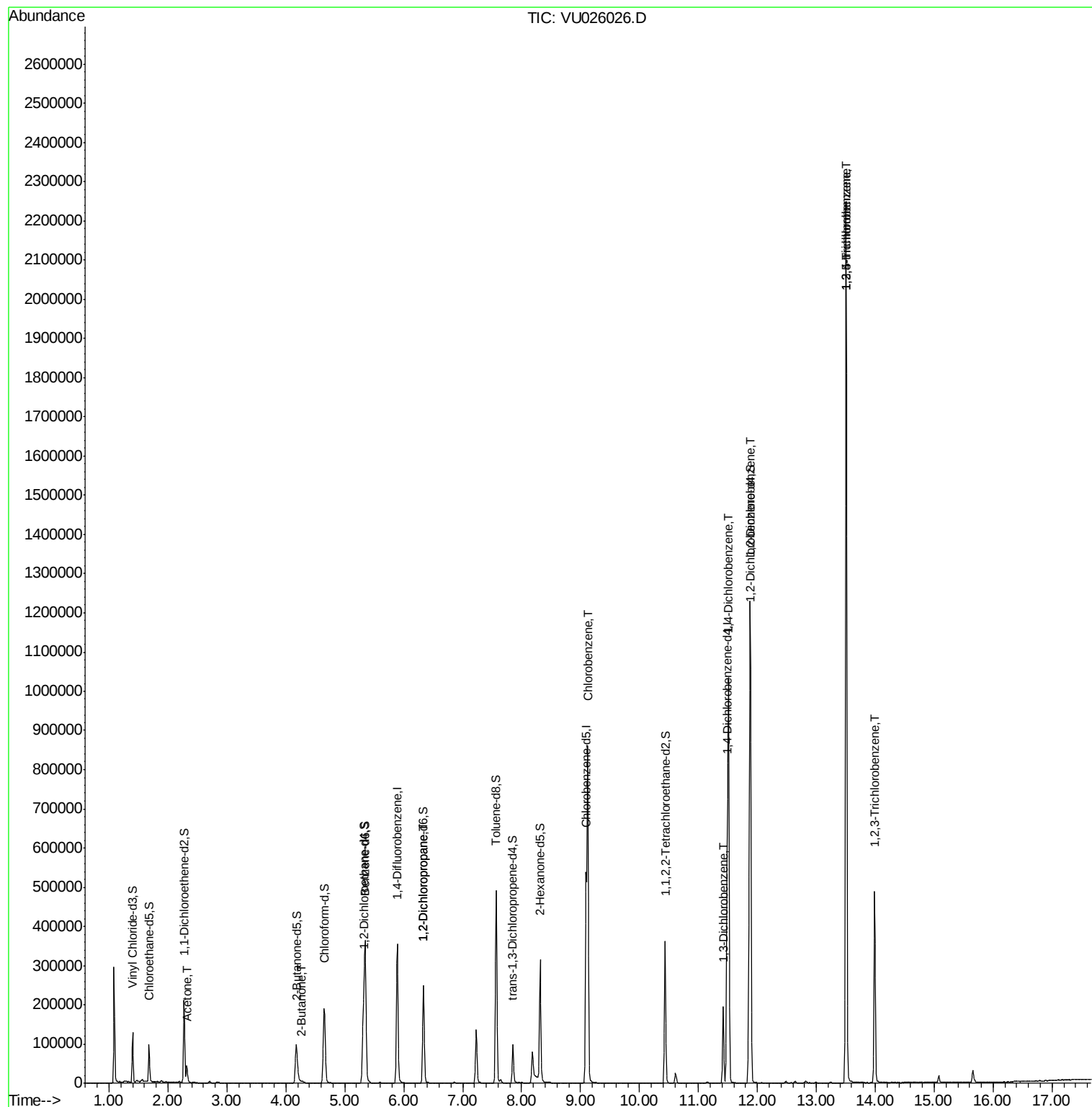
					Ovalue
13) Acetone	2.32	43	41866	37.392	ug/L 100
22) 2-Butanone	4.27	43	6986	4.312	ug/L # 65
37) 1,2-Dichloropropane	6.34	63	13751	6.314	ug/L # 88
51) Chlorobenzene	9.12	112	453875	79.684	ug/L 100
62) 1,3-Dichlorobenzene	11.42	146	76902	18.242	ug/L 98
63) 1,4-Dichlorobenzene	11.51	146	400418	90.609	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	448567	99.967	ug/L 99
67) 1,3,5-Trichlorobenzene	13.51	180	686480	217.885	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	686480	257.655	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	150305	52.488	ug/L 99

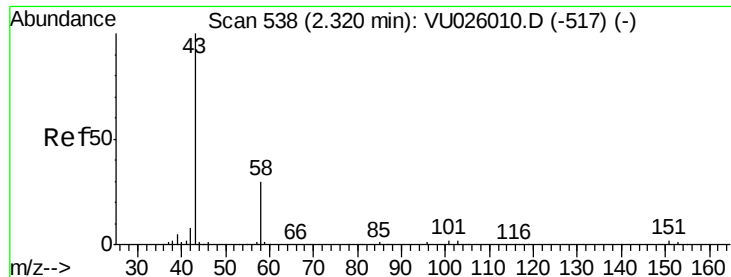
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 37.392 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026026.D

Acq: 10 Aug 2018 03:44

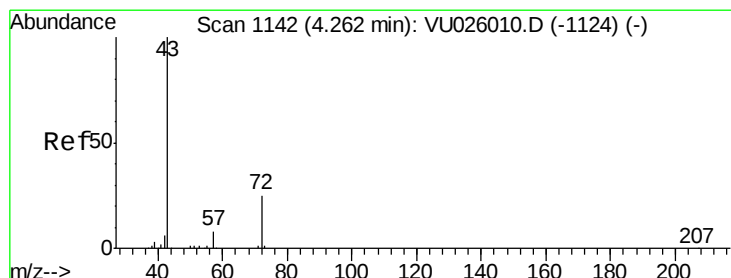
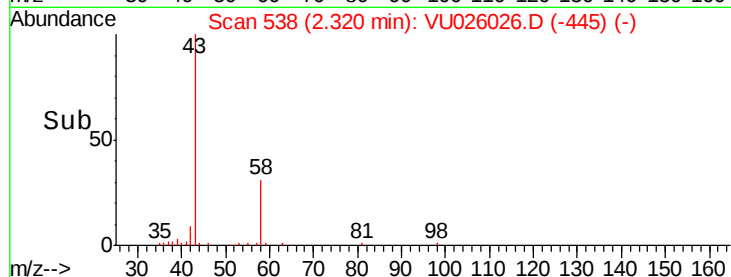
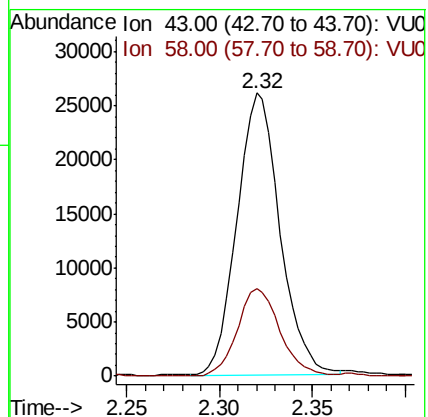
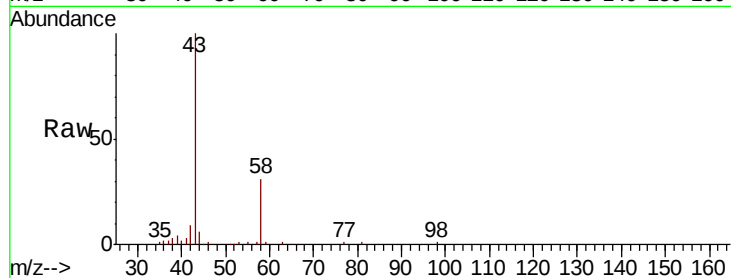
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 41866

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.8



#22

2-Butanone

Concen: 4.312 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU026026.D

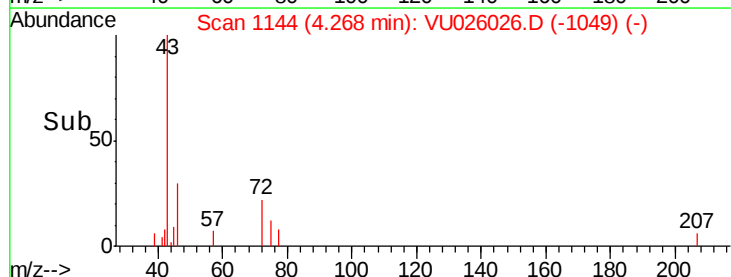
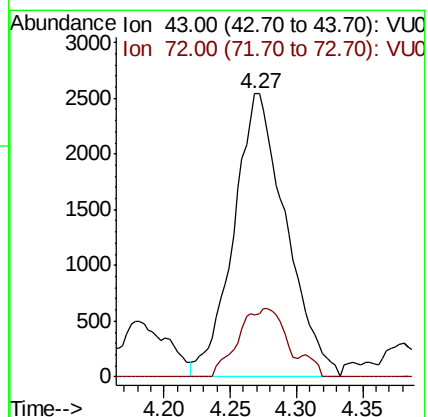
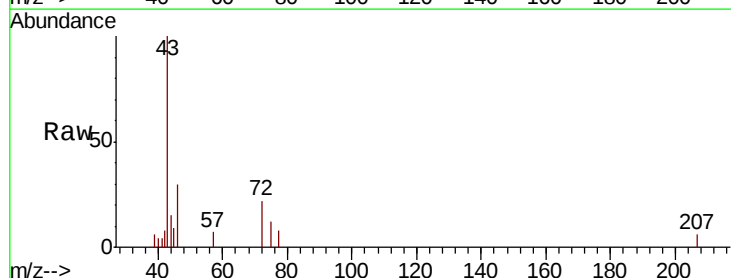
Acq: 10 Aug 2018 03:44

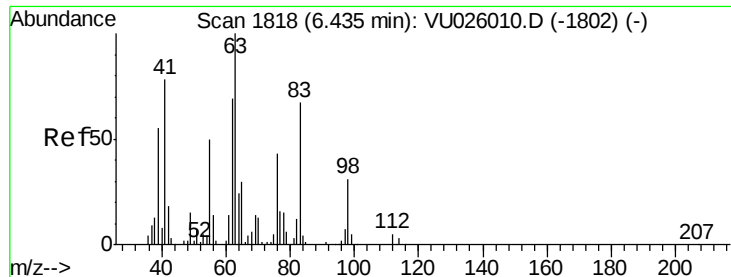
Tgt Ion: 43 Resp: 6986

Ion Ratio Lower Upper

43 100

72 9.0 13.5 40.5#





#37

1,2-Dichloropropane

Concen: 6.314 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU026026.D

Acq: 10 Aug 2018 03:44

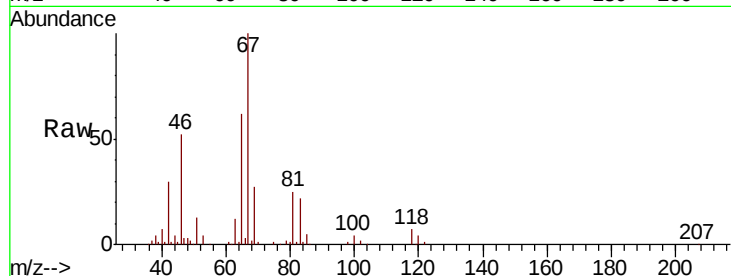
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 13751

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

8000

6000

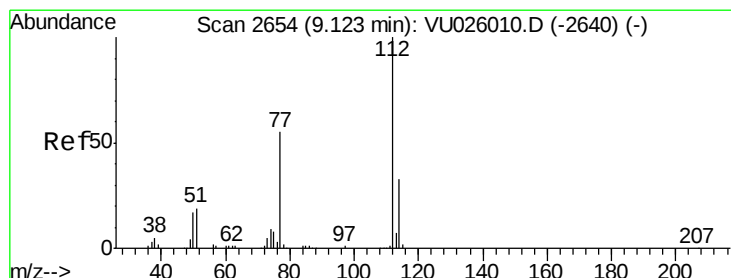
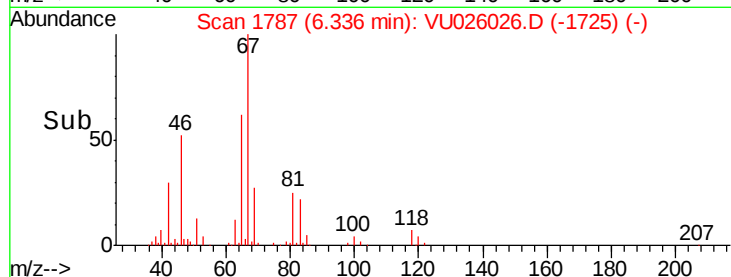
4000

2000

0

6.25 6.30 6.35 6.40

Time-->



#51

Chlorobenzene

Concen: 79.684 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU026026.D

Acq: 10 Aug 2018 03:44

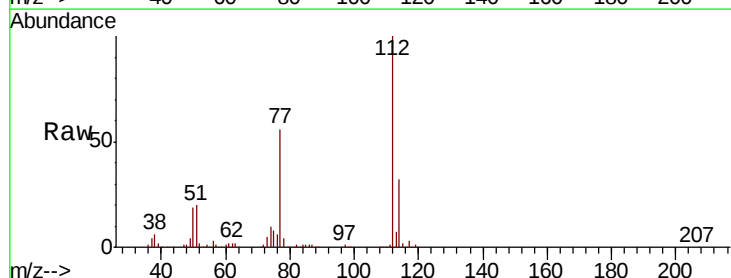
Tgt Ion: 112 Resp: 453875

Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

77 56.5 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

300000

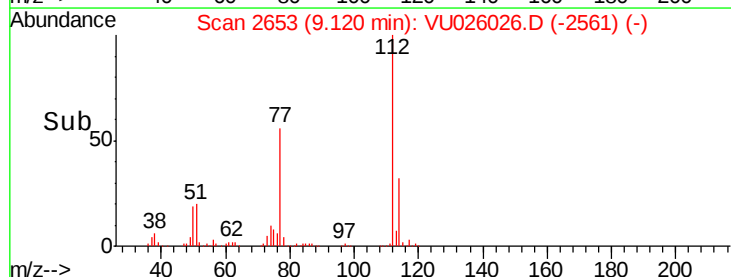
200000

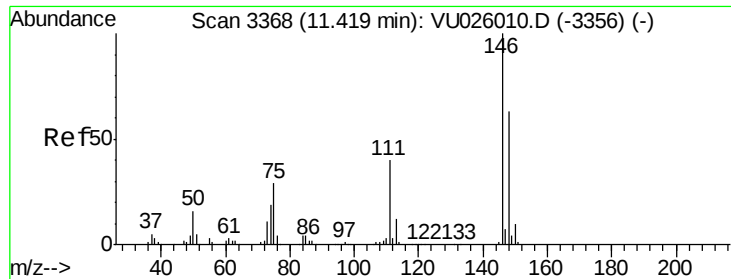
100000

0

9.05 9.10 9.15 9.20

Time-->





#62

1,3-Dichlorobenzene

Concen: 18.242 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026026.D

Acq: 10 Aug 2018 03:44

Instrument :

MSVOA_U

ClientSampleId :

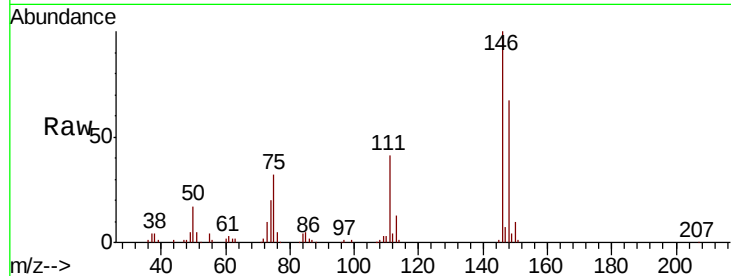
Tot Ion:146 Resp: 76902

Ion Ratio Lower Upper

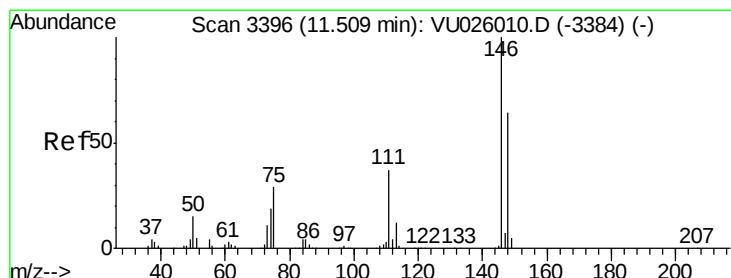
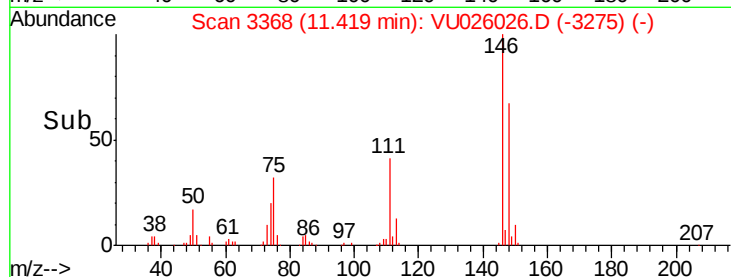
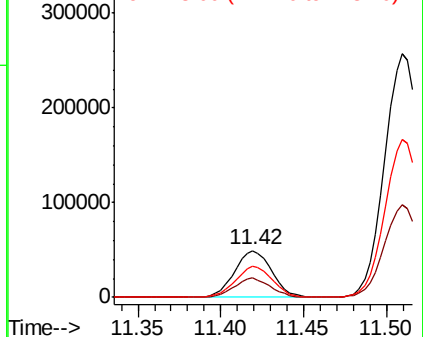
146 100

111 41.1 27.9 51.9

148 66.7 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: 90.609 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026026.D

Acq: 10 Aug 2018 03:44

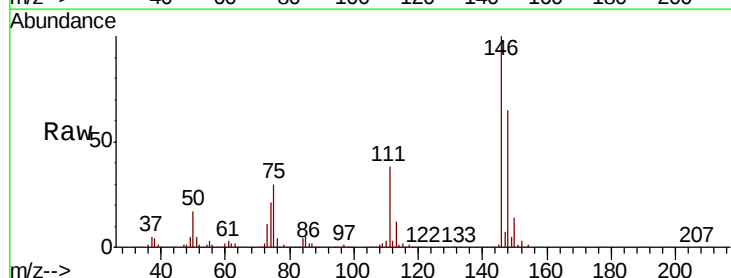
Tgt Ion:146 Resp: 400418

Ion Ratio Lower Upper

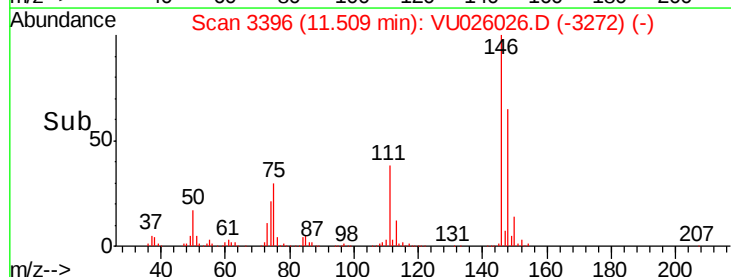
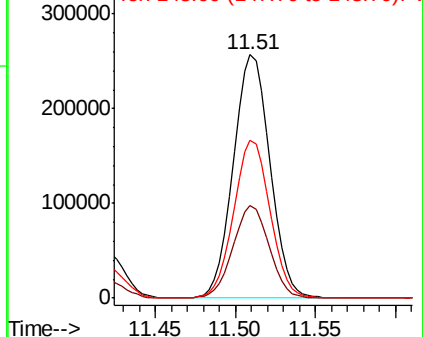
146 100

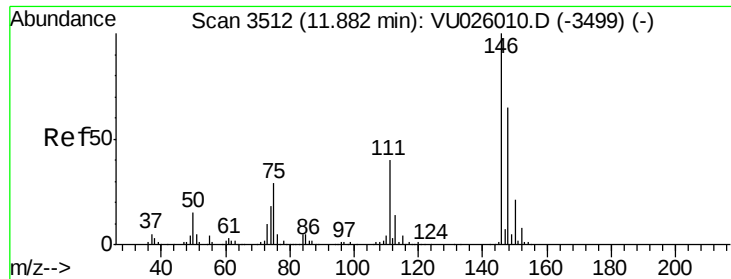
111 37.8 26.4 49.0

148 65.0 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: 99.967 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026026.D

Acq: 10 Aug 2018 03:44

Instrument :

MSVOA_U

ClientSampleId :

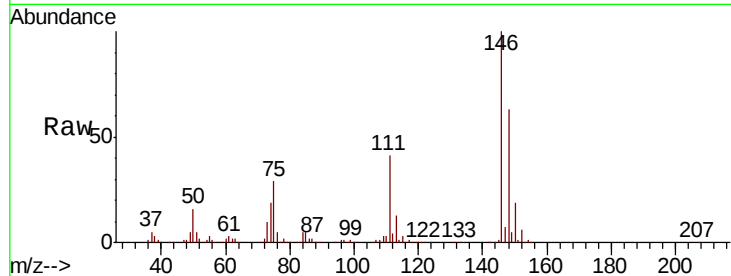
Tot Ion:146 Resp: 448567

Ion Ratio Lower Upper

146 100

111 41.0 32.4 48.6

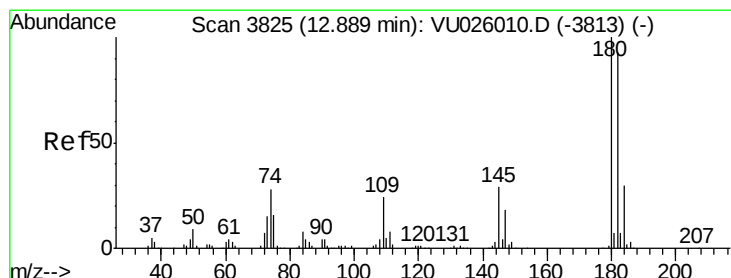
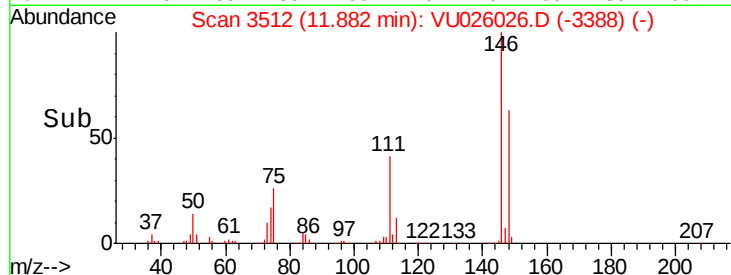
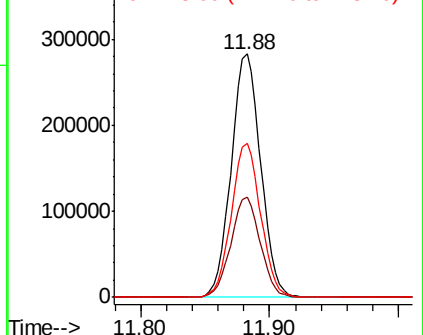
148 63.1 50.1 75.1



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



#67

1,3,5-Trichlorobenzene

Concen: 217.885 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.62 min

Lab File: VU026026.D

Acq: 10 Aug 2018 03:44

Tgt Ion:180 Resp: 686480

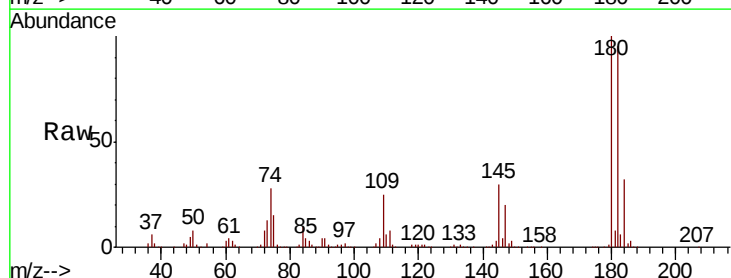
Ion Ratio Lower Upper

180 100

182 94.7 76.5 114.7

184 31.0 24.3 36.5

145 29.9 23.5 35.3

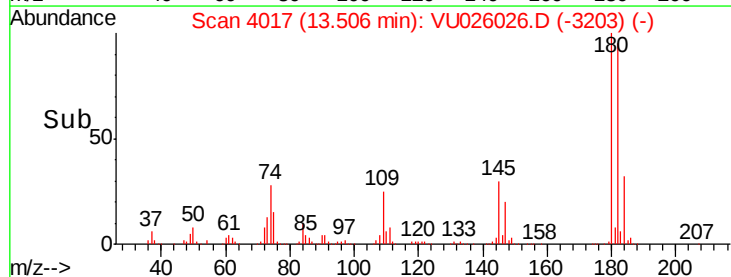
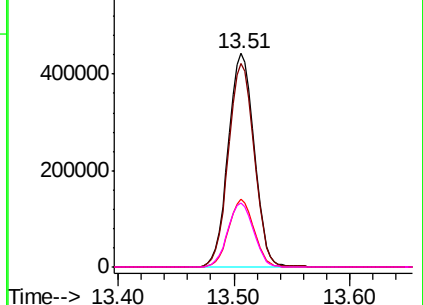


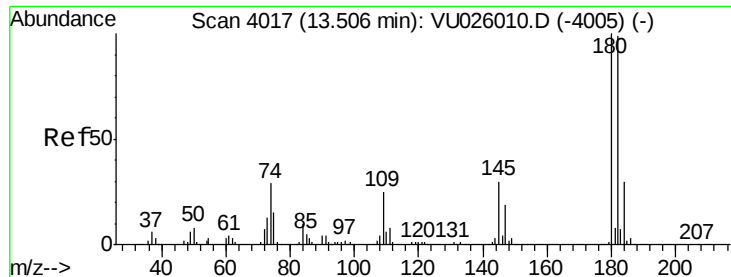
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#68

1,2,4-trichlorobenzene

Concen: 257.655 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026026.D

Acq: 10 Aug 2018 03:44

Instrument :

MSVOA_U

ClientSampleId :

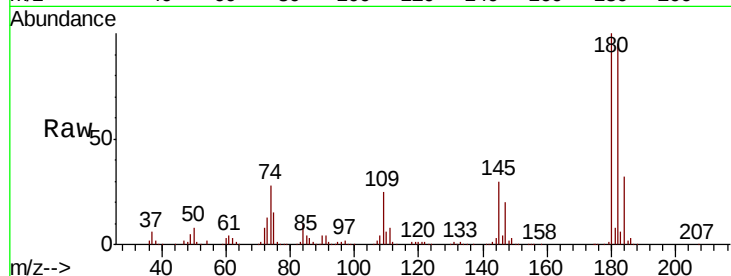
Tot Ion:180 Resp: 686480

Ion Ratio Lower Upper

180 100

182 94.7 76.5 114.7

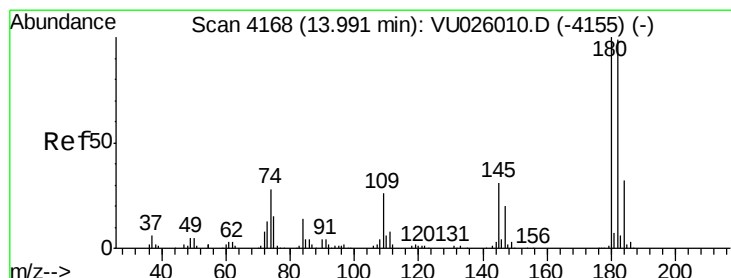
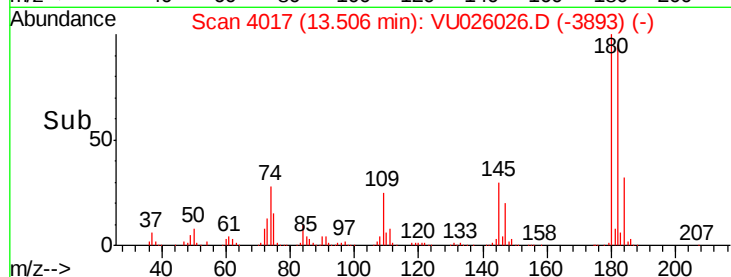
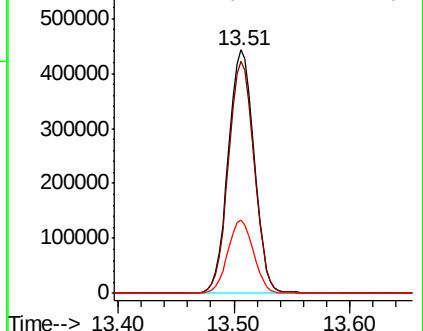
145 29.9 24.2 36.4



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: 52.488 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026026.D

Acq: 10 Aug 2018 03:44

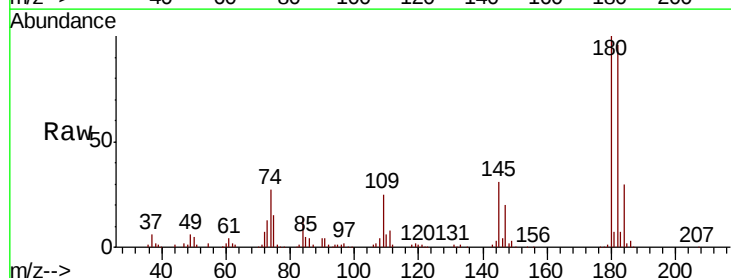
Tgt Ion:180 Resp: 150305

Ion Ratio Lower Upper

180 100

182 96.2 76.5 114.7

145 31.8 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

