

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026057.D
 Acq On : 13 Aug 2018 10:41
 Operator : MD/SY
 Sample : J4401-11 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 14 01:14:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 01:13:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	293809	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	278655	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	135785	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103361	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.26%
7) Chloroethane-d5	1.67	69	84350	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.08%
11) 1,1-Dichloroethene-d2	2.27	63	151369	37.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.18%
21) 2-Butanone-d5	4.17	46	150030	83.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.82%
24) Chloroform-d	4.65	84	215770	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
26) 1,2-Dichloroethane-d4	5.31	65	147143	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.66%
32) Benzene-d6	5.34	84	424645	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
36) 1,2-Dichloropropane-d6	6.33	67	137943	49.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.54%
41) Toluene-d8	7.57	98	394262	47.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.26%
43) trans-1,3-Dichloropropene-	7.85	79	65806	46.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.30%
47) 2-Hexanone-d5	8.31	63	106524	83.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.77%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	186083	45.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	167040	49.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

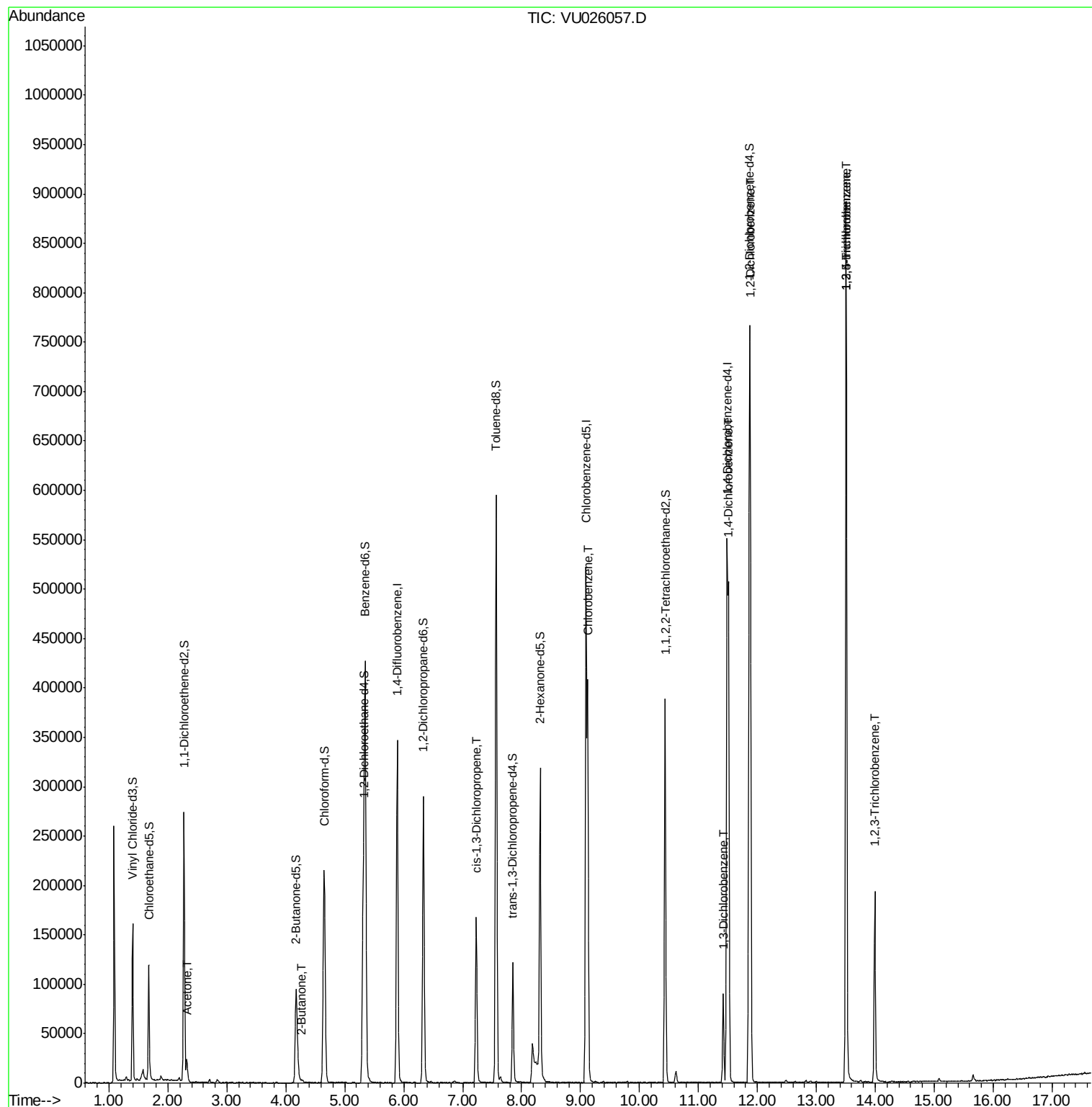
					Ovalue
13) Acetone	2.32	43	21513	19.347 ug/L	99
22) 2-Butanone	4.27	43	3604	2.240 ug/L #	64
39) cis-1,3-Dichloropropene	7.23	75	4609	1.400 ug/L	86
51) Chlorobenzene	9.12	112	207495	36.530 ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	37751	8.930 ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	182486	41.180 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	210773	46.843 ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	279415	88.440 ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	279415	104.583 ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	63263	22.031 ug/L	98

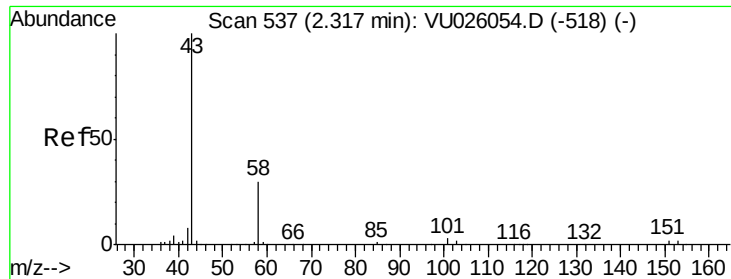
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 14 01:13:22 2018
Response via : Initial Calibration





#13

Acetone

Concen: 19.347 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026057.D

Acq: 13 Aug 2018 10:41

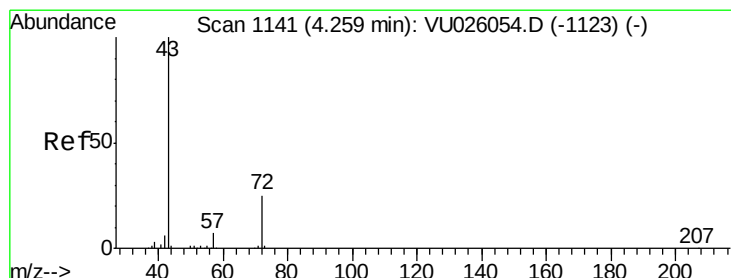
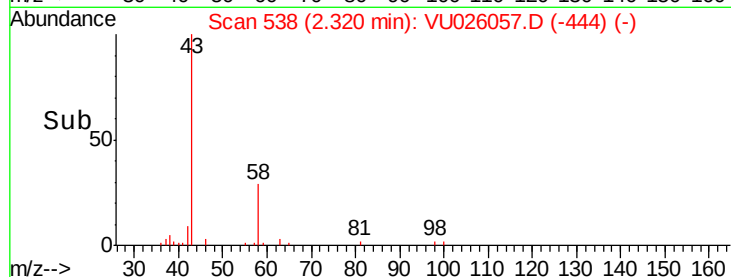
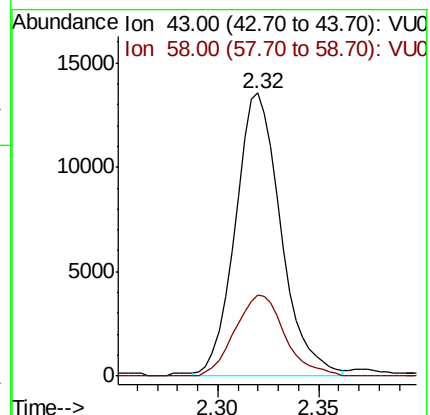
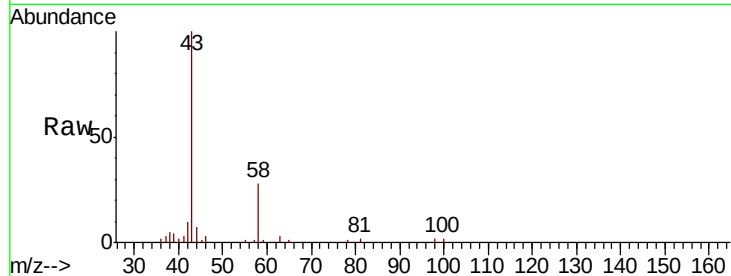
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 21513

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.8



#22

2-Butanone

Concen: 2.240 ug/L

RT: 4.27 min Scan# 1146

Delta R.T. 0.02 min

Lab File: VU026057.D

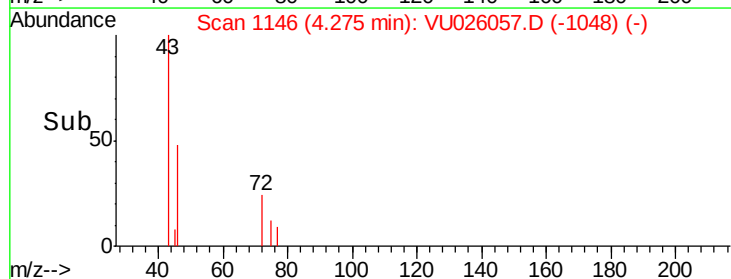
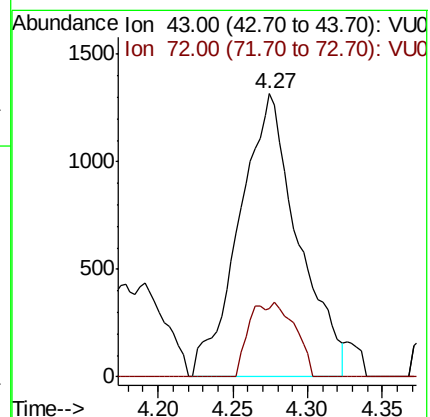
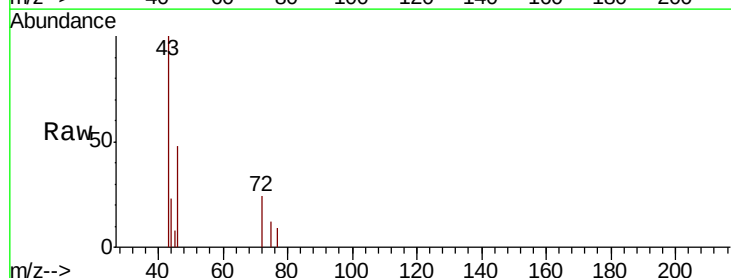
Acq: 13 Aug 2018 10:41

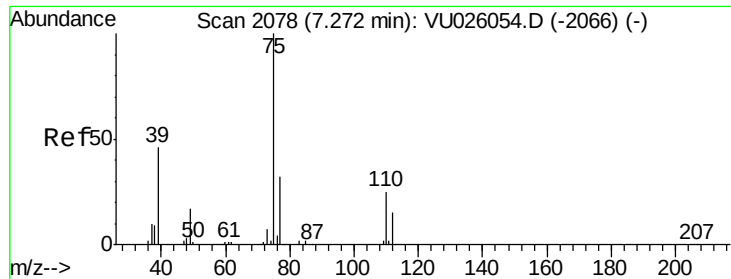
Tgt Ion: 43 Resp: 3604

Ion Ratio Lower Upper

43 100

72 8.2 13.5 40.5#

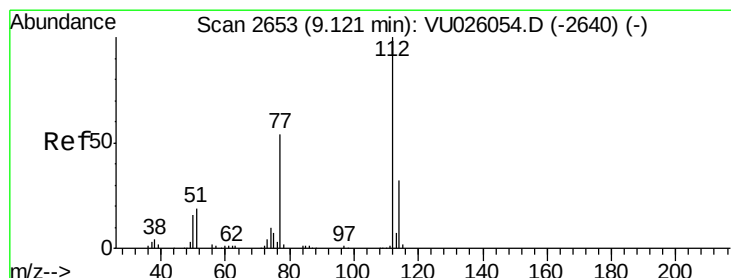
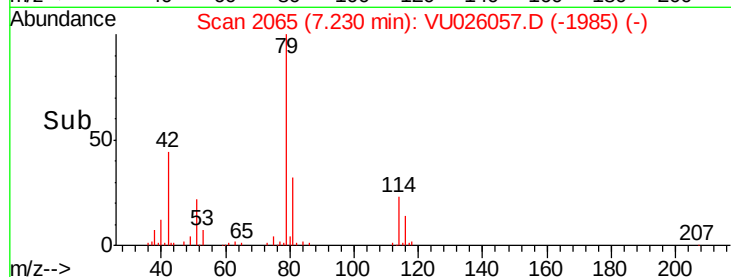
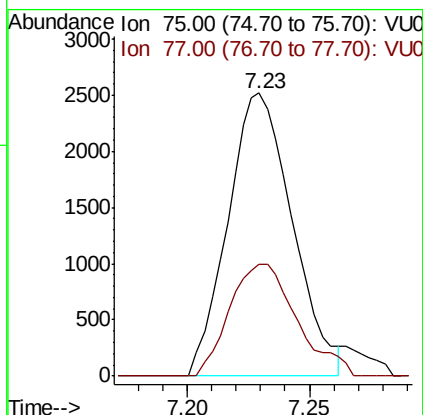
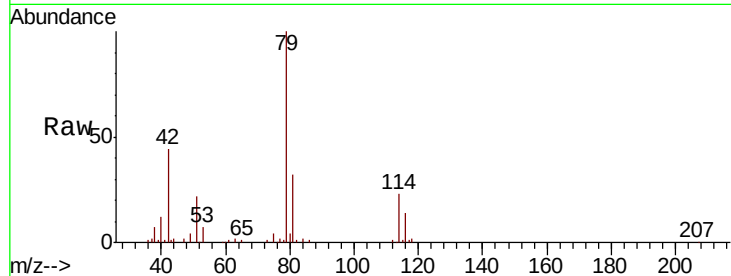




#39
 cis-1,3-Dichloropropene
 Concen: 1.400 ug/L
 RT: 7.23 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: VU026057.D
 Acq: 13 Aug 2018 10:41

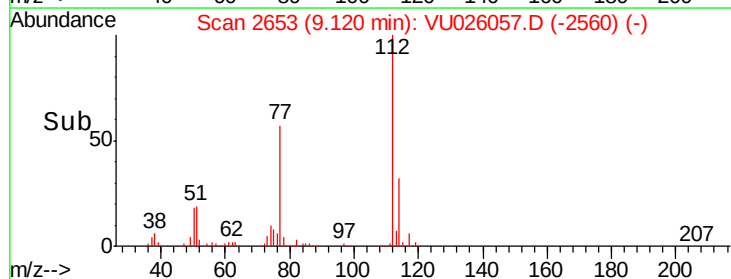
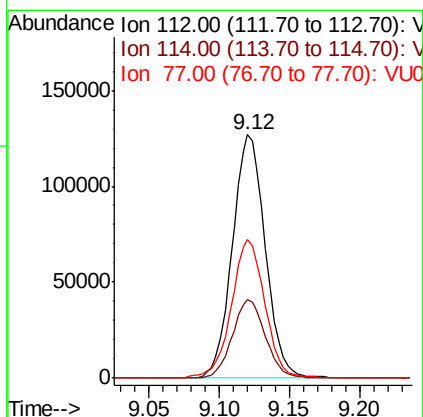
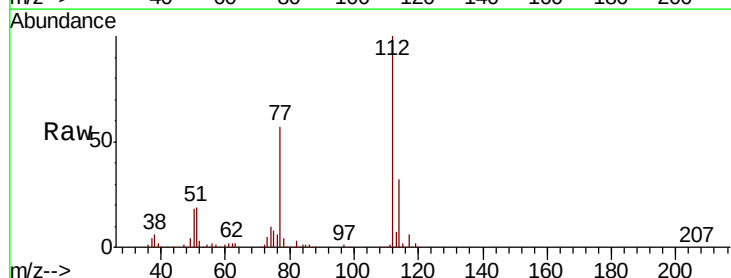
Instrument :
 MSVOA_U
 ClientSampleId :

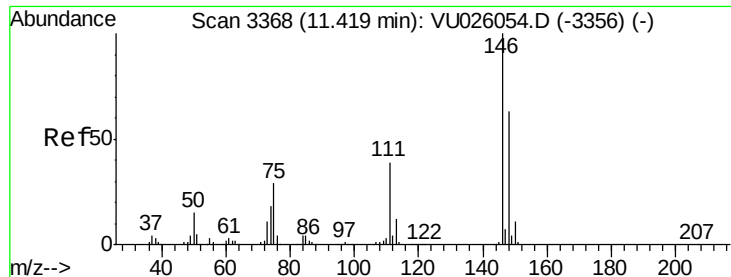
Tot Ion: 75 Resp: 4609
 Ion Ratio Lower Upper
 75 100
 77 39.5 22.1 41.1



#51
 Chlorobenzene
 Concen: 36.530 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026057.D
 Acq: 13 Aug 2018 10:41

Tgt Ion: 112 Resp: 207495
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.7 42.3
 77 56.7 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 8.930 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026057.D

Acq: 13 Aug 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

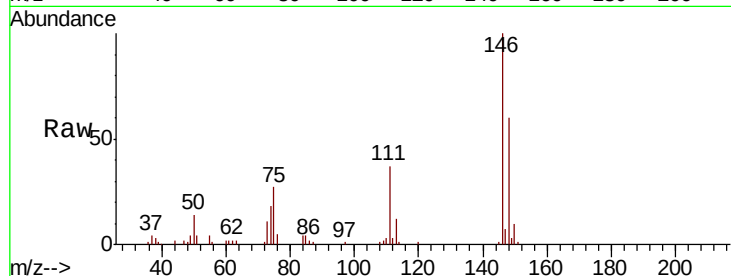
Tot Ion:146 Resp: 37751

Ion Ratio Lower Upper

146 100

111 36.5 27.9 51.9

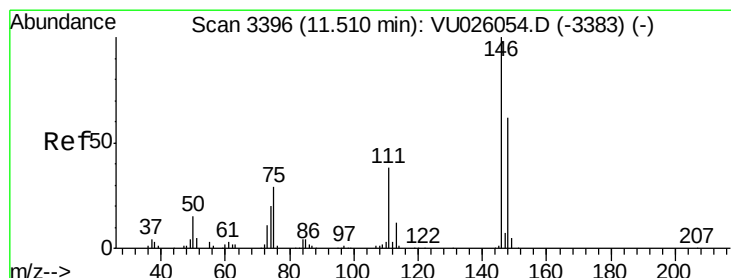
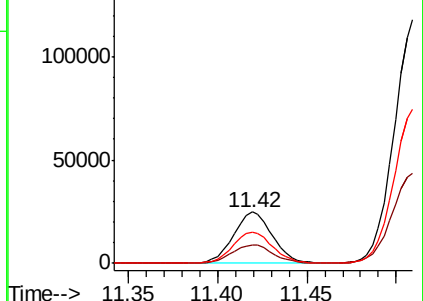
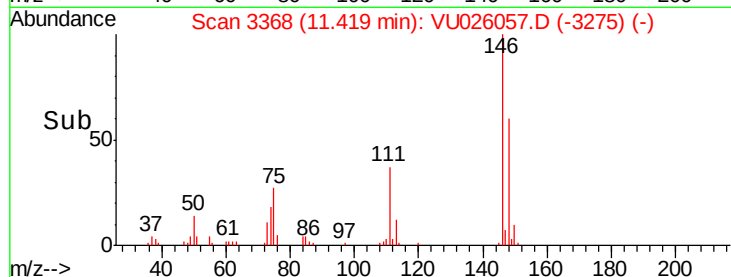
148 60.0 46.0 85.4



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: 41.180 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026057.D

Acq: 13 Aug 2018 10:41

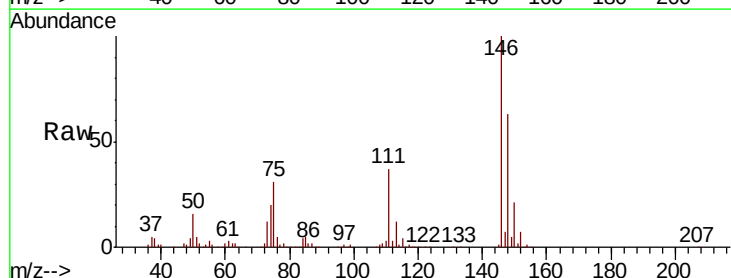
Tgt Ion:146 Resp: 182486

Ion Ratio Lower Upper

146 100

111 37.1 26.4 49.0

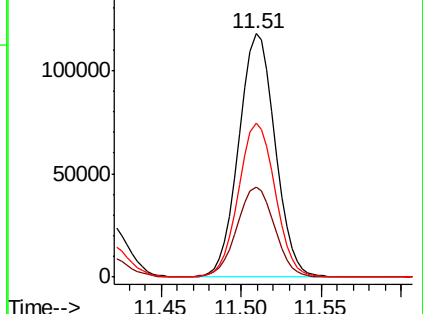
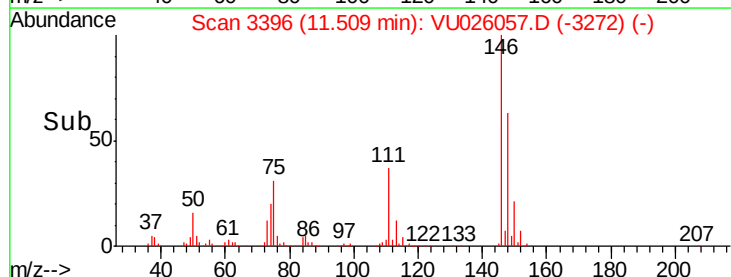
148 63.4 43.8 81.4

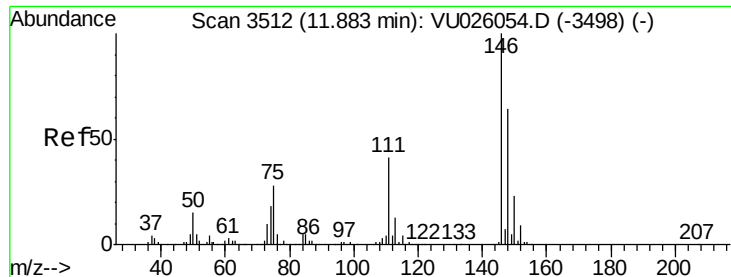


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.843 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026057.D

Acq: 13 Aug 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

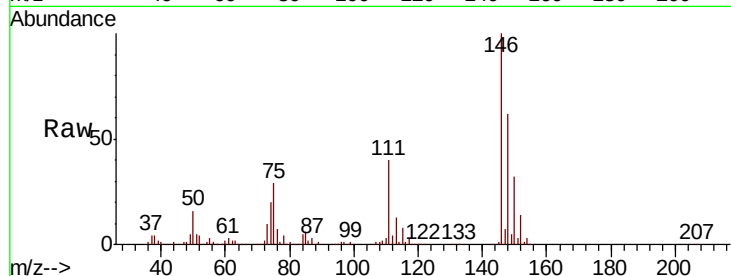
Tot Ion:146 Resp: 210773

Ion Ratio Lower Upper

146 100

111 39.9 32.4 48.6

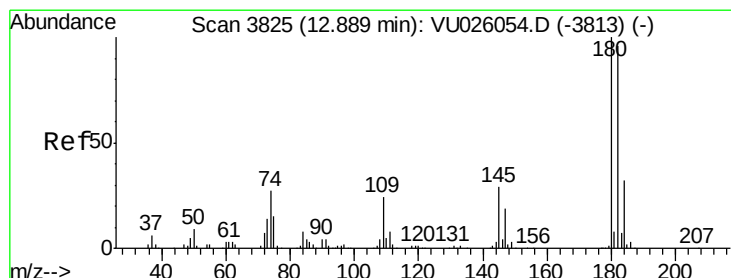
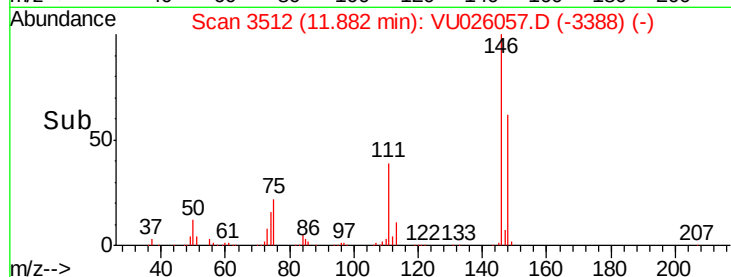
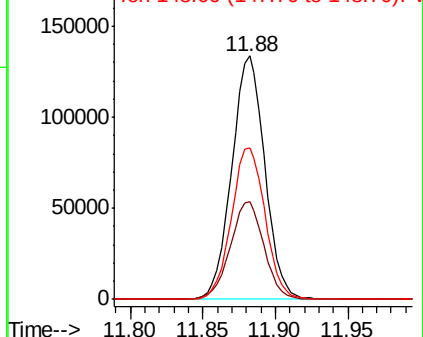
148 62.2 50.1 75.1



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: 88.440 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.62 min

Lab File: VU026057.D

Acq: 13 Aug 2018 10:41

Tgt Ion:180 Resp: 279415

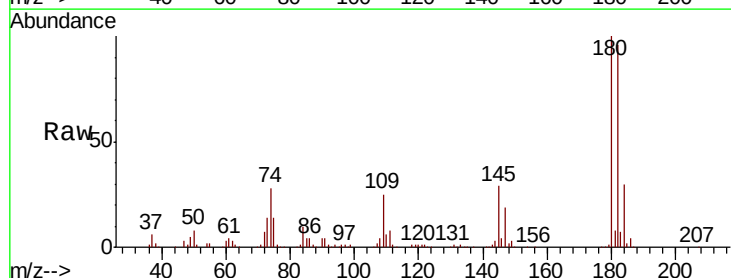
Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

184 30.8 24.3 36.5

145 30.1 23.5 35.3

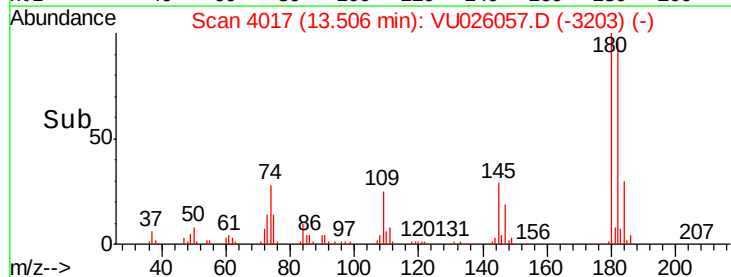
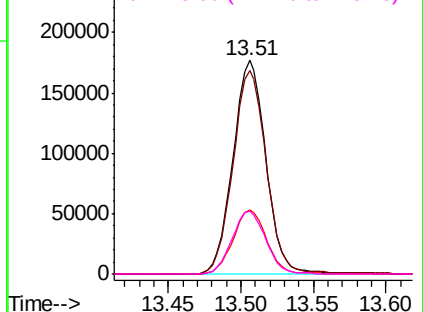


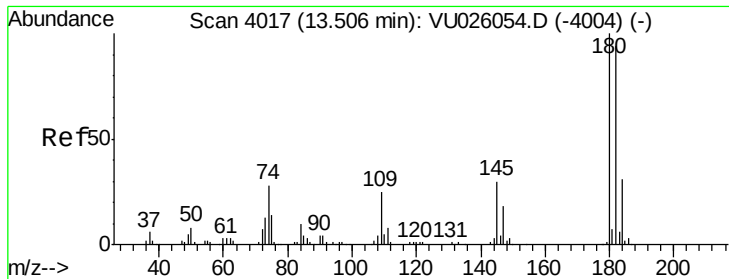
Abundance Ion 180.00 (179.70 to 180.70): V

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: 104.583 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU026057.D

Acq: 13 Aug 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

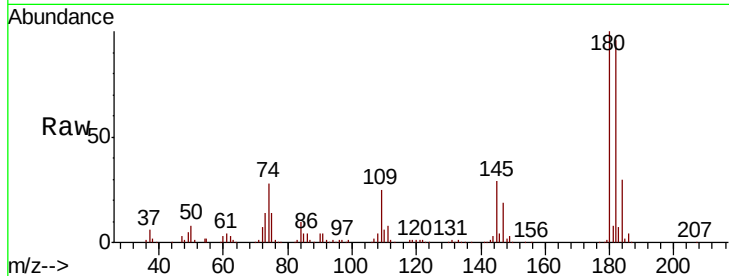
Tot Ion:180 Resp: 279415

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

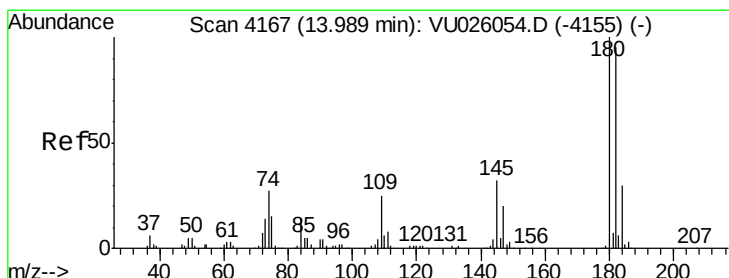
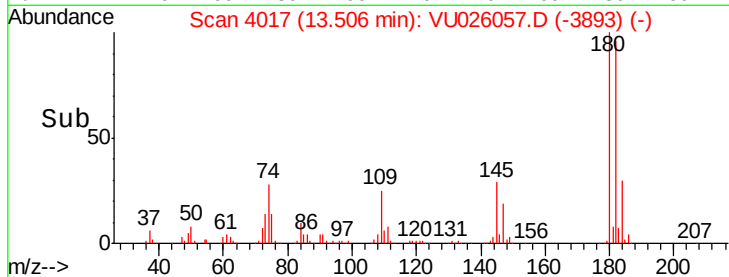
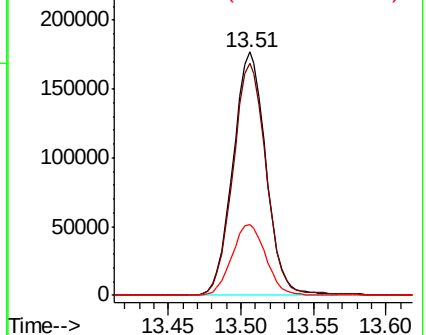
145 30.1 24.2 36.4



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: 22.031 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026057.D

Acq: 13 Aug 2018 10:41

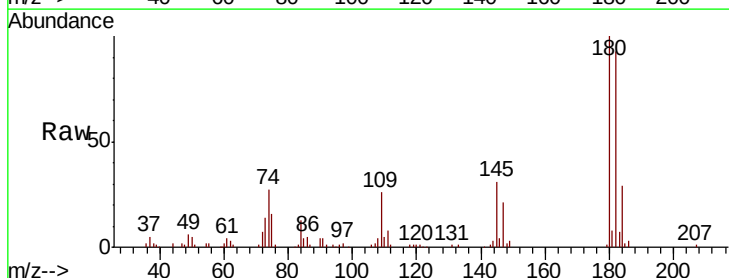
Tgt Ion:180 Resp: 63263

Ion Ratio Lower Upper

180 100

182 92.8 76.5 114.7

145 30.5 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

