

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026040.D
 Acq On : 10 Aug 2018 13:54
 Operator : MD/SY
 Sample : J4401-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE3

Quant Time: Aug 11 01:35:09 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	285314	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	264433	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	117500	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72042	34.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.08%
7) Chloroethane-d5	1.68	69	67290	40.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.27	63	115379	29.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.22%#
21) 2-Butanone-d5	4.18	46	169150	97.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.31%
24) Chloroform-d	4.65	84	196751	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.98%
26) 1,2-Dichloroethane-d4	5.31	65	136125	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
32) Benzene-d6	5.35	84	368929	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.86%
36) 1,2-Dichloropropane-d6	6.33	67	125228	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.26%
41) Toluene-d8	7.57	98	332682	42.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.70%
43) trans-1,3-Dichloropropene-	7.85	79	60785	45.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.82%
47) 2-Hexanone-d5	8.31	63	118383	98.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.10%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	181546	46.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	138655	47.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.74%

Target Compounds

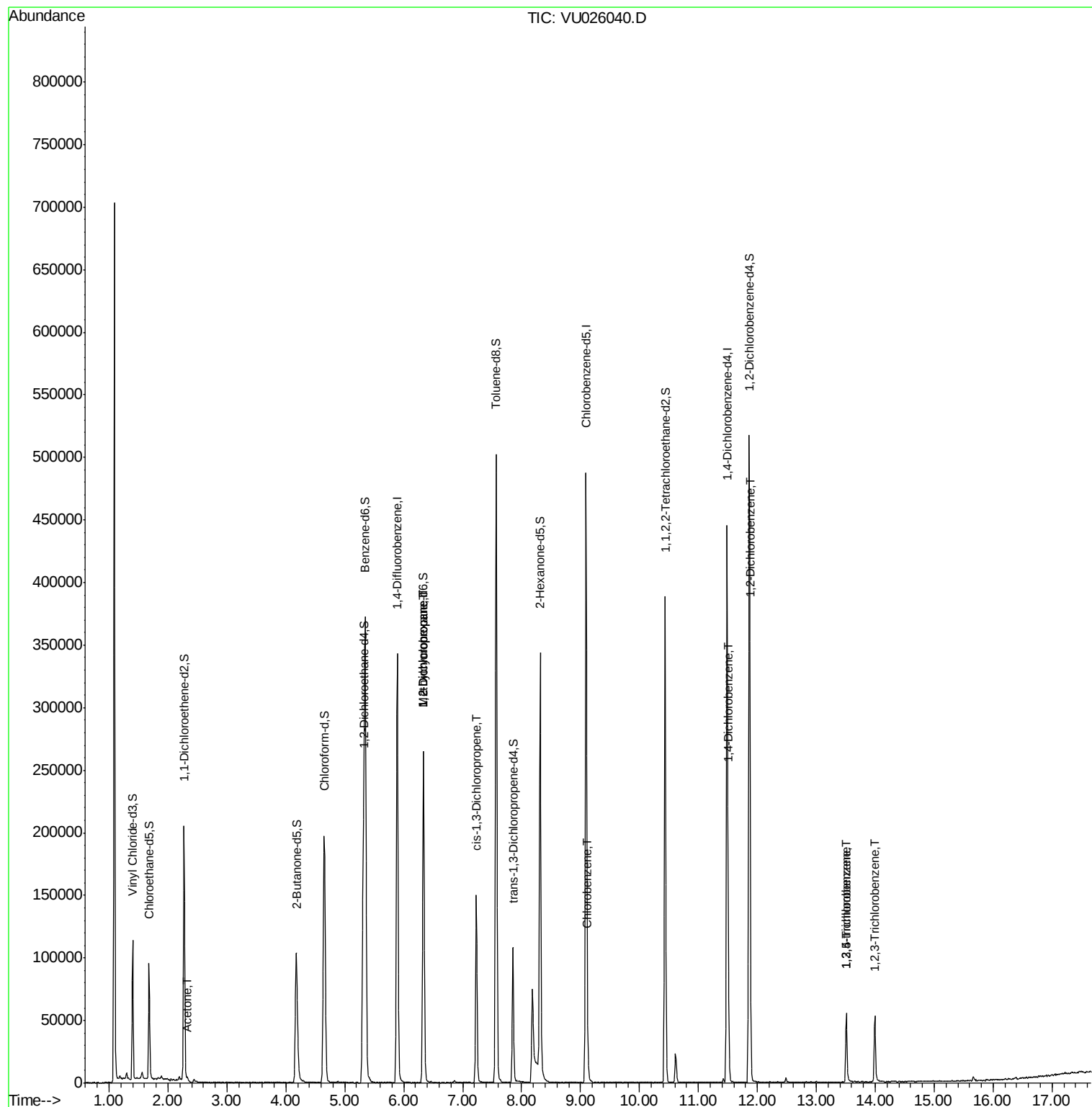
					Ovalue
13) Acetone	2.32	43	2526	2.339	ug/L 81
35) Methylcyclohexane	6.33	83	30157	10.038	ug/L # 19
37) 1,2-Dichloropropane	6.33	63	13978	6.783	ug/L # 88
39) cis-1,3-Dichloropropene	7.23	75	3818	1.222	ug/L # 71
51) Chlorobenzene	9.12	112	11885	2.205	ug/L 98
63) 1,4-Dichlorobenzene	11.51	146	17659	4.605	ug/L 95
65) 1,2-Dichlorobenzene	11.88	146	15124	3.884	ug/L 97
67) 1,3,5-Trichlorobenzene	13.51	180	18854	6.896	ug/L 96
68) 1,2,4-trichlorobenzene	13.51	180	18854	8.155	ug/L 95
70) 1,2,3-Trichlorobenzene	13.99	180	18002	7.245	ug/L 89

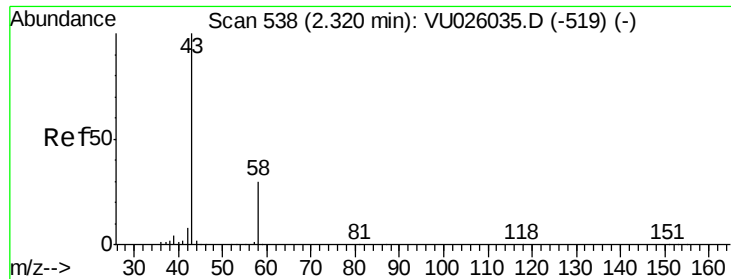
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration





#13

Acetone

Concen: 2.339 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026040.D

Acq: 10 Aug 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

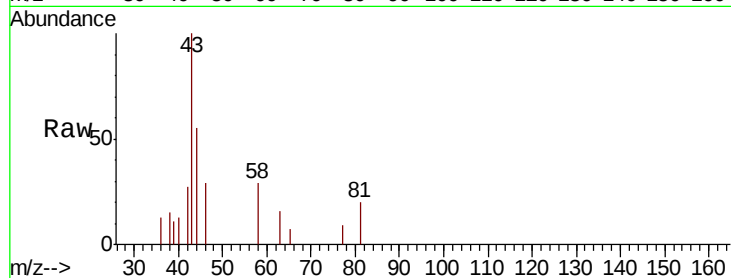
A4ZE3

Tot Ion: 43 Resp: 2526

Ion Ratio Lower Upper

43 100

58 20.3 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

1500

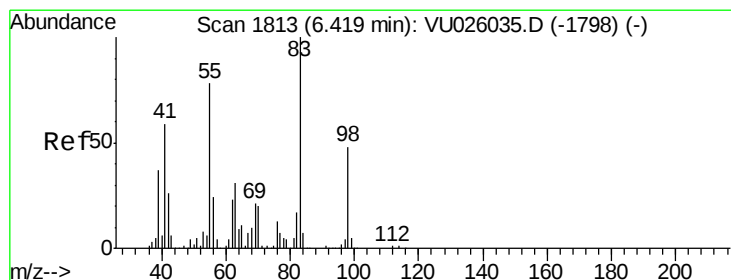
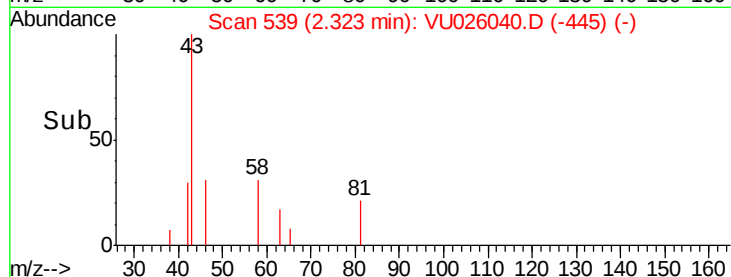
1000

500

0

2.30 2.35

Time-->



#35

Methylcyclohexane

Concen: 10.038 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU026040.D

Acq: 10 Aug 2018 13:54

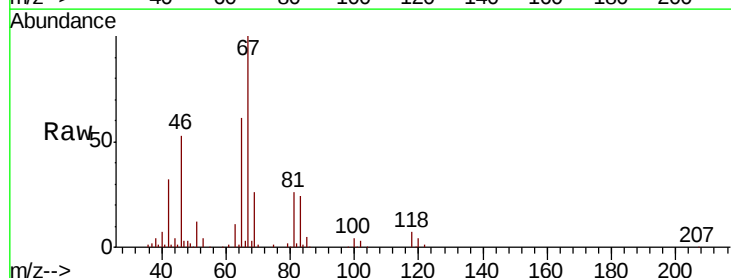
Tgt Ion: 83 Resp: 30157

Ion Ratio Lower Upper

83 100

55 0.1 61.0 91.6#

98 1.6 38.1 57.1#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

20000

15000

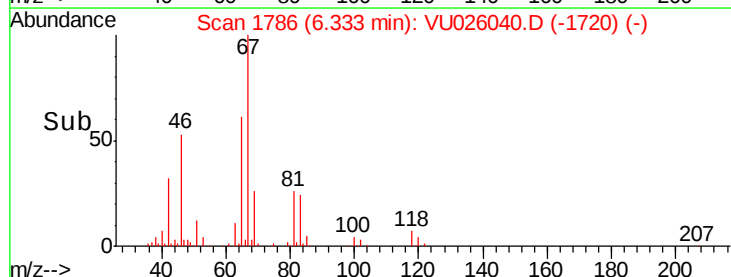
10000

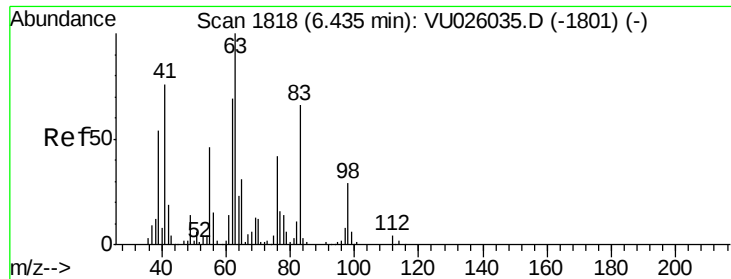
5000

0

6.25 6.30 6.35 6.40

Time-->





#37

1,2-Dichloropropane

Concen: 6.783 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU026040.D

Acq: 10 Aug 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

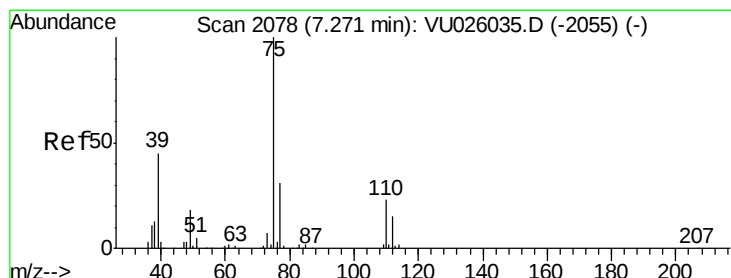
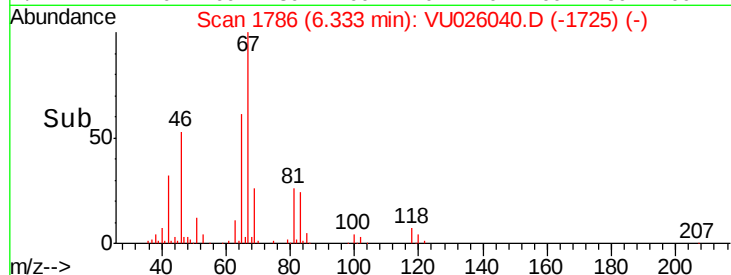
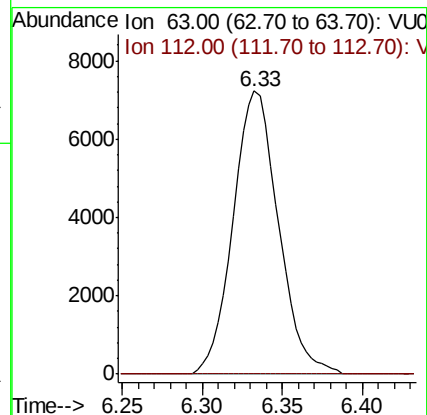
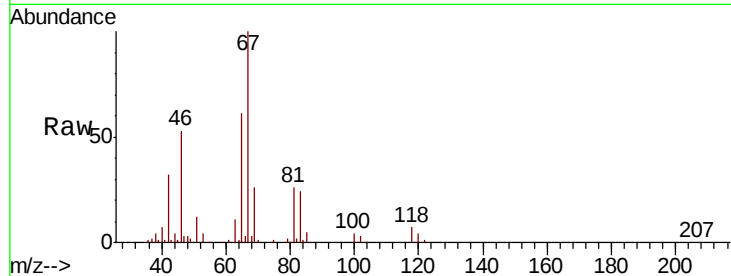
A4ZE3

Tot Ion: 63 Resp: 13978

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.222 ug/L

RT: 7.23 min Scan# 2065

Delta R.T. -0.04 min

Lab File: VU026040.D

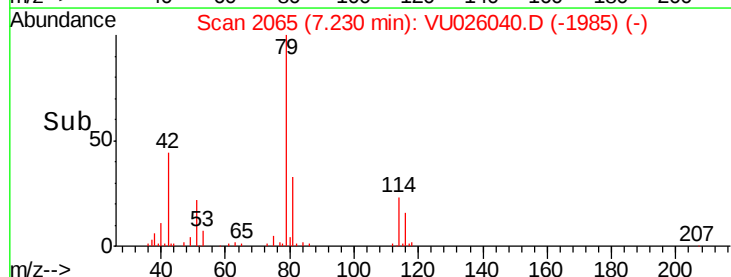
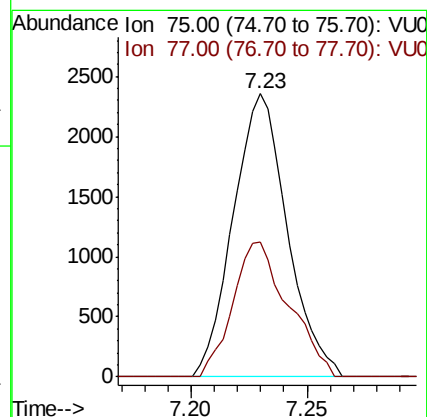
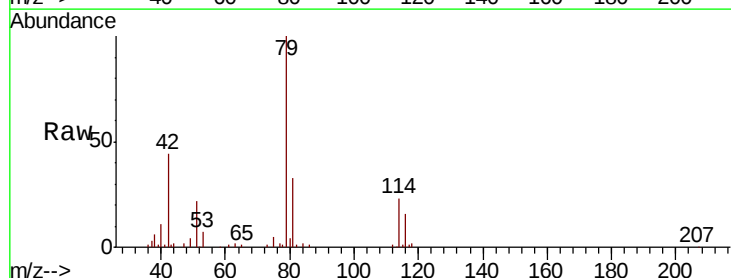
Acq: 10 Aug 2018 13:54

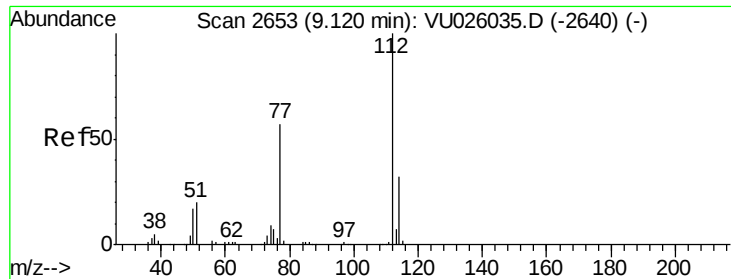
Tgt Ion: 75 Resp: 3818

Ion Ratio Lower Upper

75 100

77 47.6 22.1 41.1#

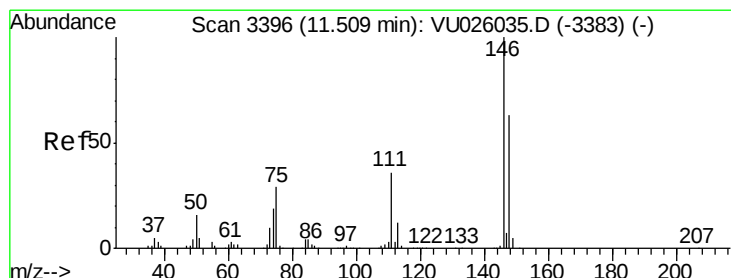
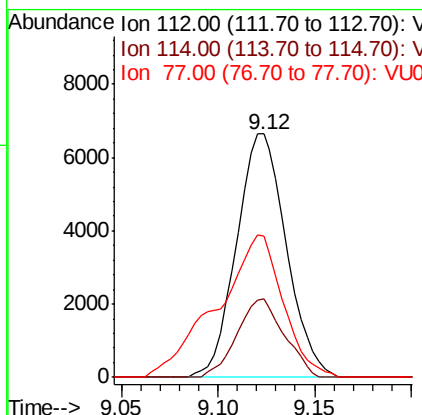
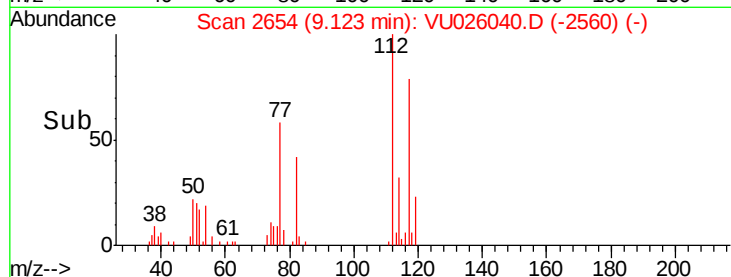
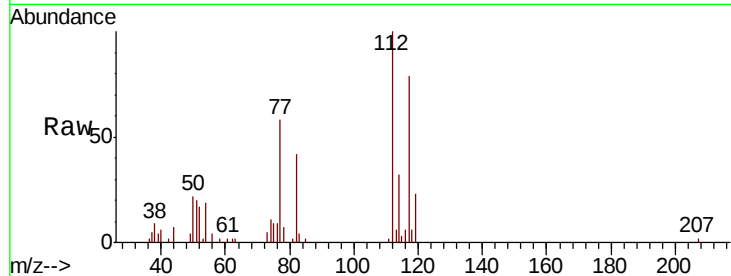




#51
Chlorobenzene
Concen: 2.205 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026040.D
Acq: 10 Aug 2018 13:54

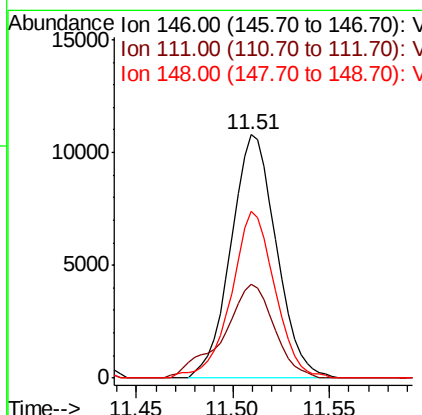
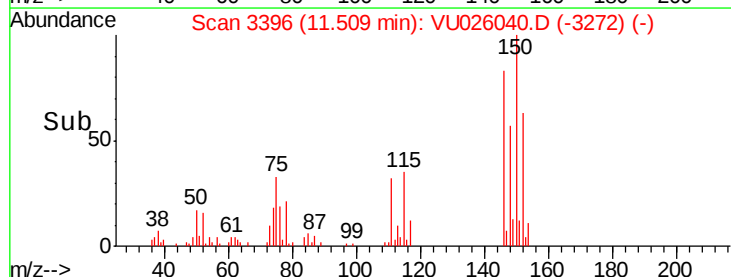
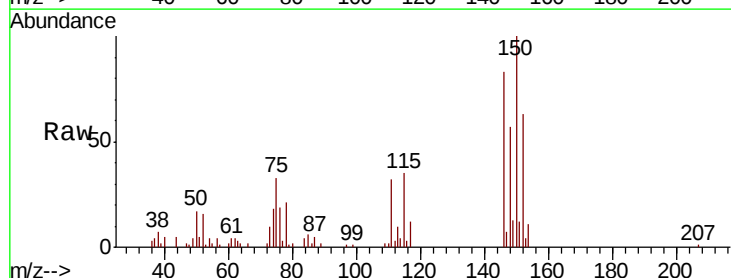
Instrument :
MSVOA_U
ClientSampleId :
A4ZE3

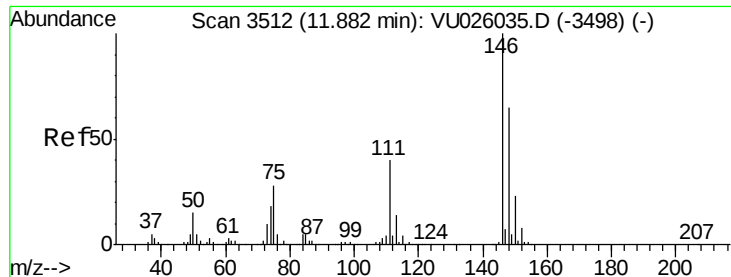
Tot Ion:112 Resp: 11885
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.3
77 58.1 45.2 67.8



#63
1,4-Dichlorobenzene
Concen: 4.605 ug/L
RT: 11.51 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VU026040.D
Acq: 10 Aug 2018 13:54

Tgt Ion:146 Resp: 17659
Ion Ratio Lower Upper
146 100
111 38.6 26.4 49.0
148 68.3 43.8 81.4





#65

1,2-Dichlorobenzene

Concen: 3.884 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026040.D

Acq: 10 Aug 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

A4ZE3

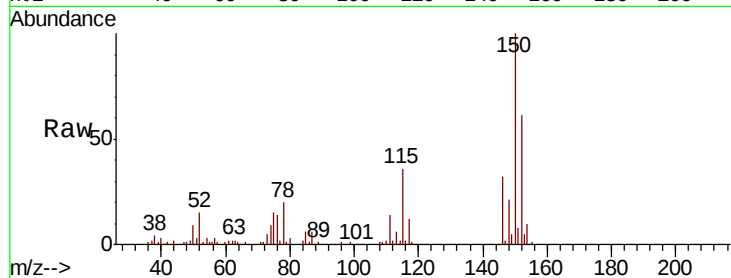
Tot Ion:146 Resp: 15124

Ion Ratio Lower Upper

146 100

111 43.1 32.4 48.6

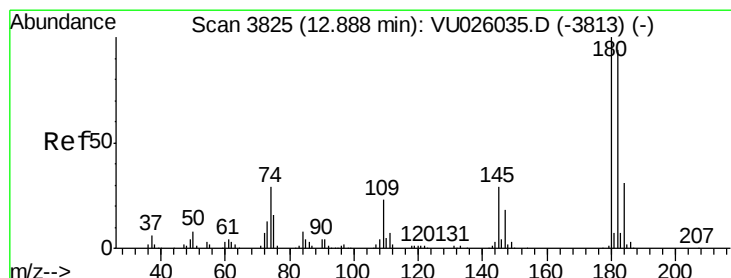
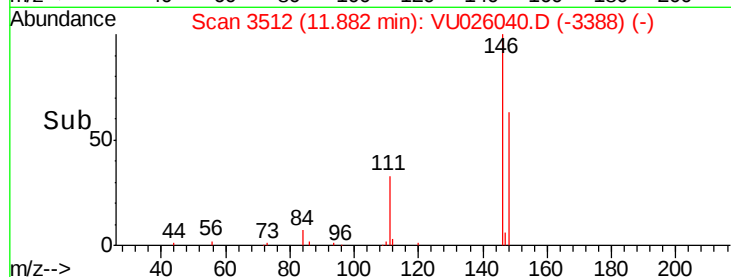
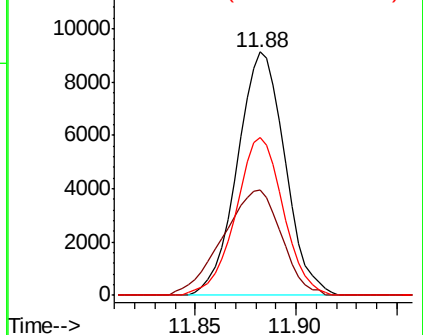
148 64.7 50.1 75.1



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: 6.896 ug/L

RT: 13.51 min Scan# 4018

Delta R.T. 0.62 min

Lab File: VU026040.D

Acq: 10 Aug 2018 13:54

Tgt Ion:180 Resp: 18854

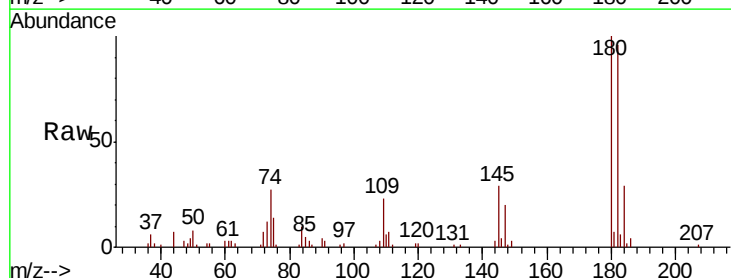
Ion Ratio Lower Upper

180 100

182 101.9 76.5 114.7

184 31.3 24.3 36.5

145 29.3 23.5 35.3

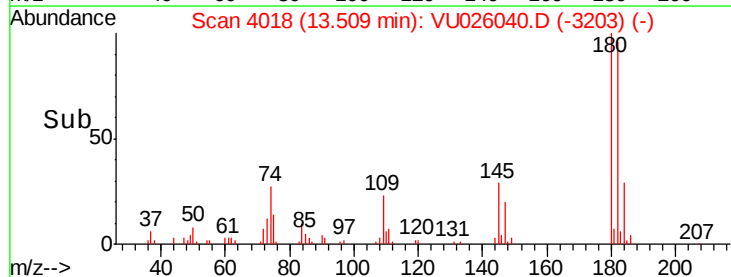
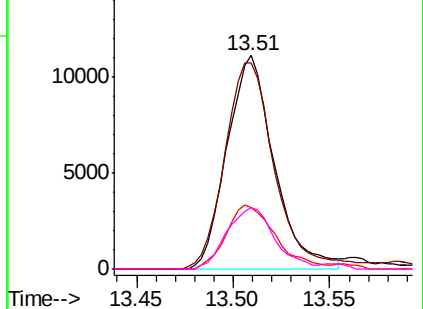


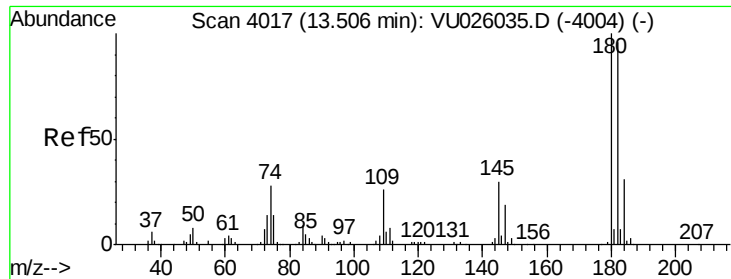
Abundance Ion 180.00 (179.70 to 180.70): V

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

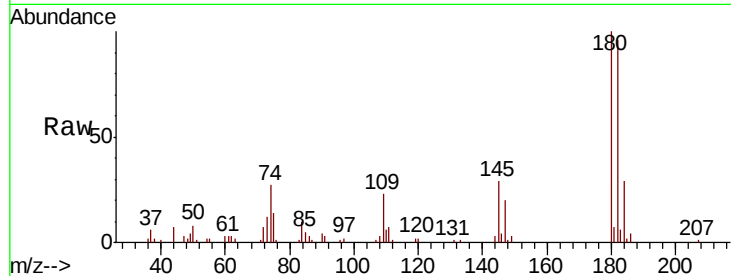




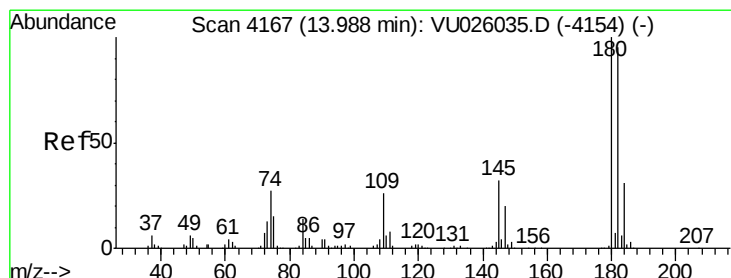
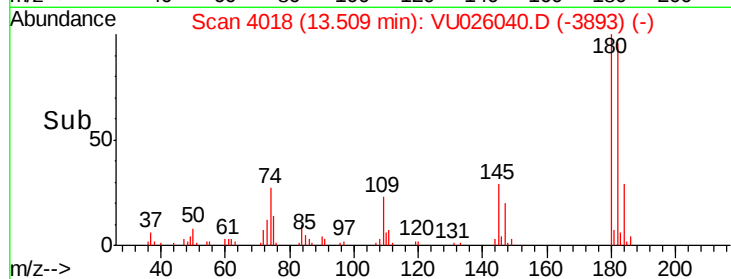
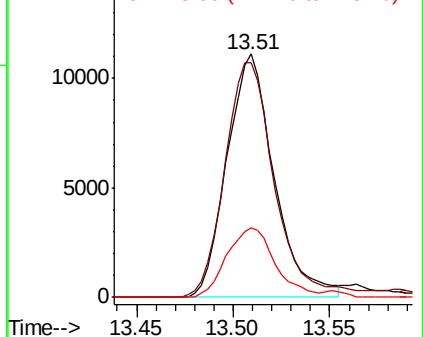
#68
 1,2,4-trichlorobenzene
 Concen: 8.155 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026040.D
 Acq: 10 Aug 2018 13:54

Instrument :
 MSVOA_U
 ClientSampled :
 A4ZE3

Tot Ion:180 Resp: 18854
 Ion Ratio Lower Upper
 180 100
 182 101.9 76.5 114.7
 145 29.3 24.2 36.4

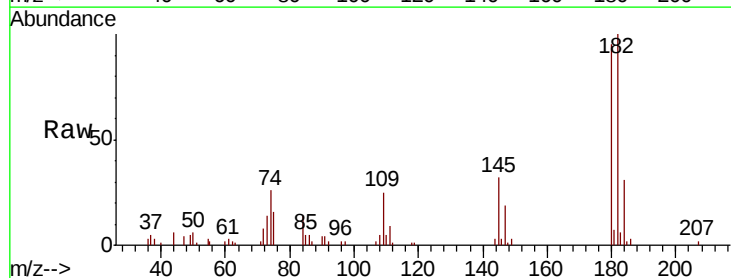


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 7.245 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026040.D
 Acq: 10 Aug 2018 13:54

Tgt Ion:180 Resp: 18002
 Ion Ratio Lower Upper
 180 100
 182 108.4 76.5 114.7
 145 33.5 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

