

Data File : VU030256.D
Acq On : 21 Mar 2019 11:35
Operator : JC/SP
Sample : K2022-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D2

Quant Time: Mar 22 04:06:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 04:03:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	522109	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	504447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	233478	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	161910	45.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.72%
7) Chloroethane-d5	1.68	69	129822	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.98%
11) 1,1-Dichloroethene-d2	2.27	63	220073	34.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.34%
21) 2-Butanone-d5	4.18	46	219667	83.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.87%
24) Chloroform-d	4.65	84	272204	42.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.02%
26) 1,2-Dichloroethane-d4	5.31	65	159645	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.40%
32) Benzene-d6	5.34	84	599719	45.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.24%
36) 1,2-Dichloropropane-d6	6.33	67	188634	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.72%
41) Toluene-d8	7.56	98	545307	43.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.26%
43) trans-1,3-Dichloropropene-	7.85	79	82851	41.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.74%
47) 2-Hexanone-d5	8.31	63	177080	83.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	267248	42.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	212589	45.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.70%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2257	0.643 ug/L #	18
13) Acetone	2.32	43	9240	3.376 ug/L	96
25) Chloroform	4.67	83	7985	1.214 ug/L	95
33) Benzene	5.39	78	6518	0.448 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	2803	0.542 ug/L #	64
51) Chlorobenzene	9.12	112	22330	2.131 ug/L	93
59) 1,2,3-Trichloropropane	11.48	75	30467	6.048 ug/L	95
62) 1,3-Dichlorobenzene	11.42	146	5671	0.761 ug/L	94
63) 1,4-Dichlorobenzene	11.50	146	23254	3.010 ug/L	89
65) 1,2-Dichlorobenzene	11.88	146	53103	6.977 ug/L	99

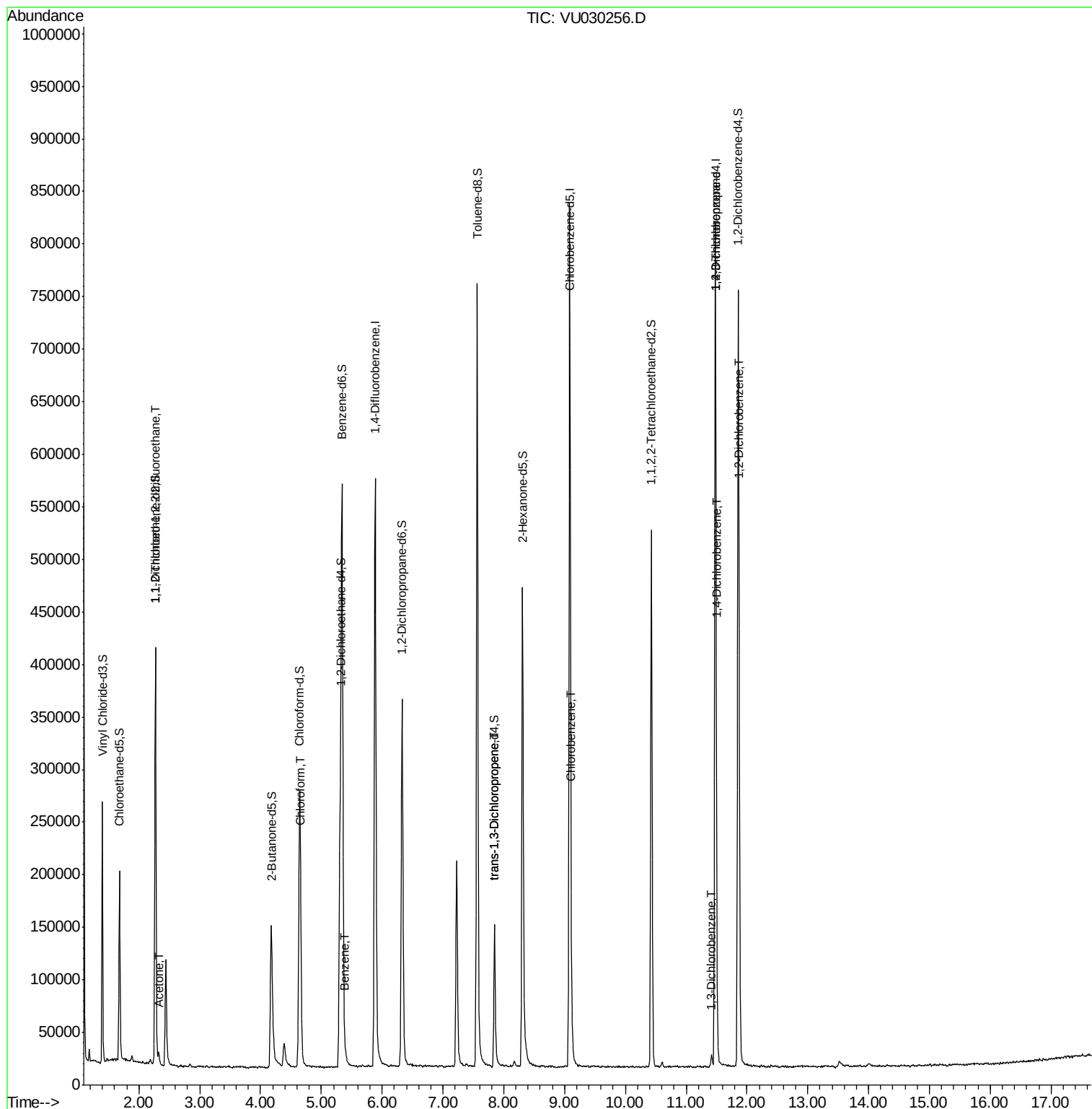
(#) = qualifier out of range (m) = manual integration (+) = signals summed

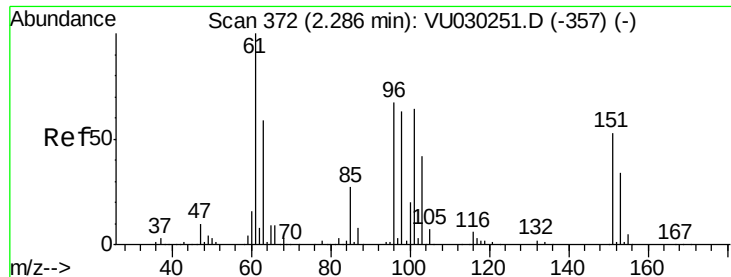
Data File : VU030256.D

```
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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.643 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030256.D

Acq: 21 Mar 2019 11:35

Instrument :

MSVOA_U

ClientSampleId :

C09D2

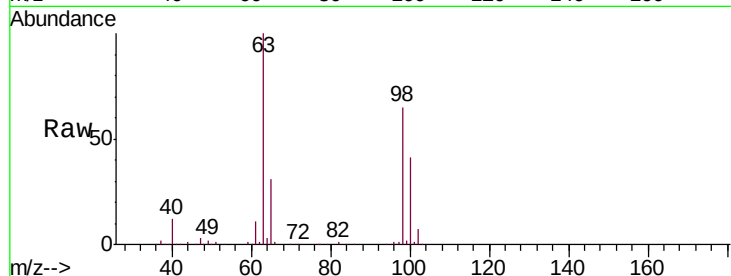
Tgt Ion: 101 Resp: 2257

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

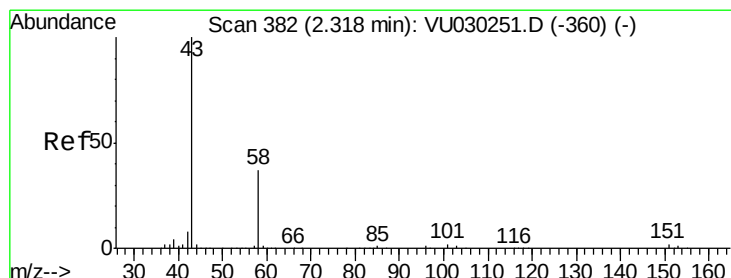
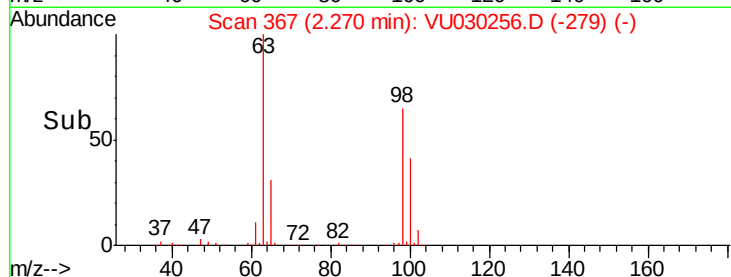
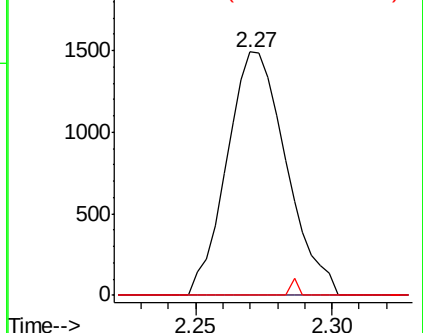
151 0.0 64.7 97.1#



Abundance Ion 101.00 (100.70 to 101.70): V

2000 Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 3.376 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030256.D

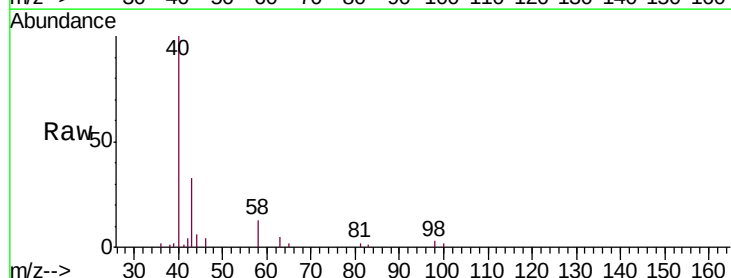
Acq: 21 Mar 2019 11:35

Tgt Ion: 43 Resp: 9240

Ion Ratio Lower Upper

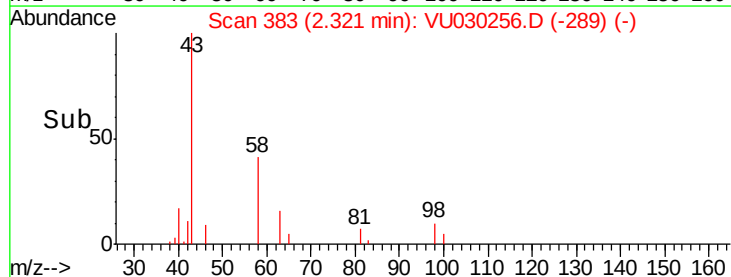
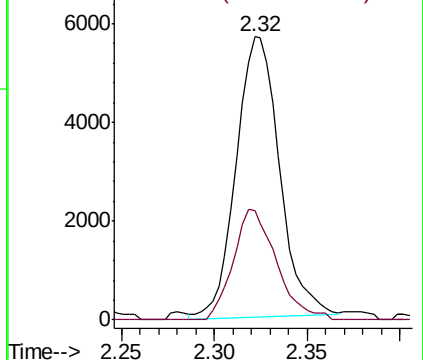
43 100

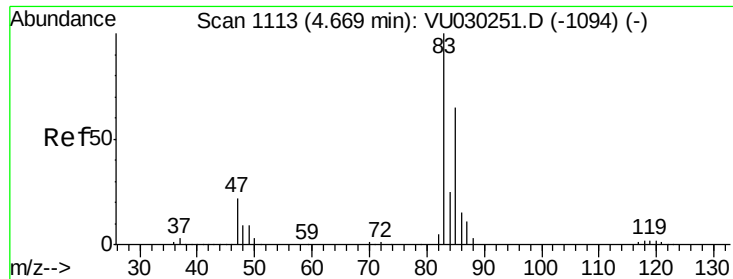
58 39.0 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

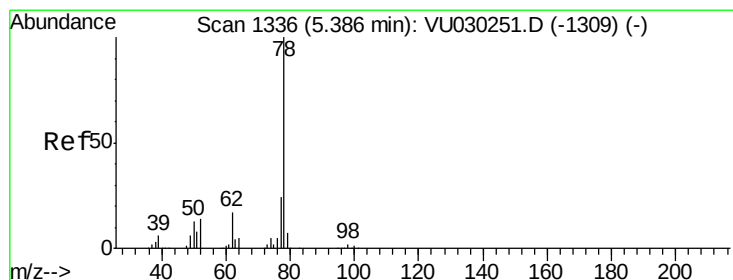
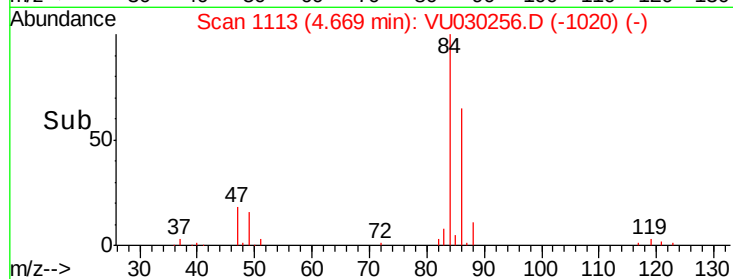
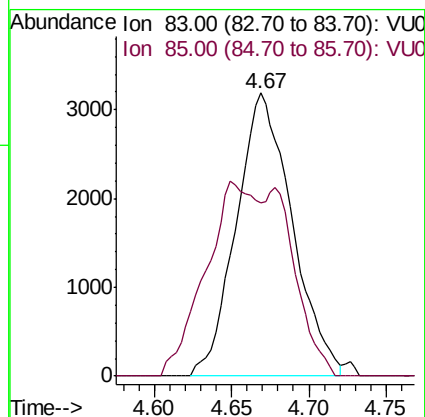
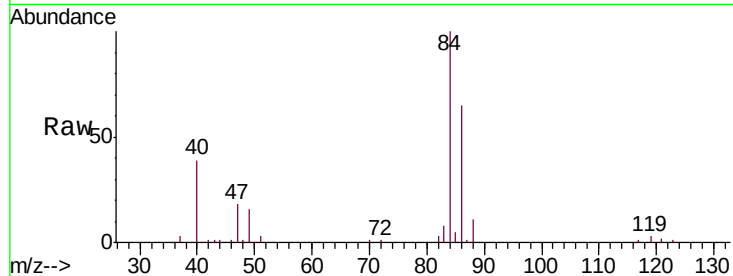




#25
Chloroform
Concen: 1.214 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030256.D
Acq: 21 Mar 2019 11:35

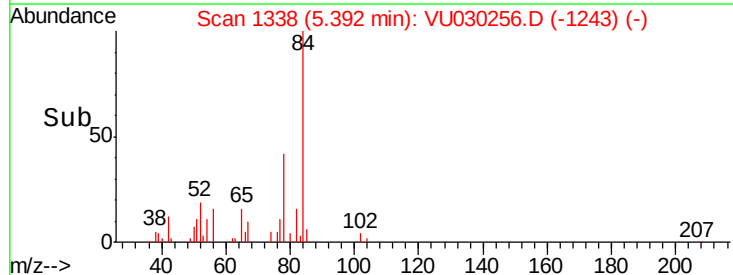
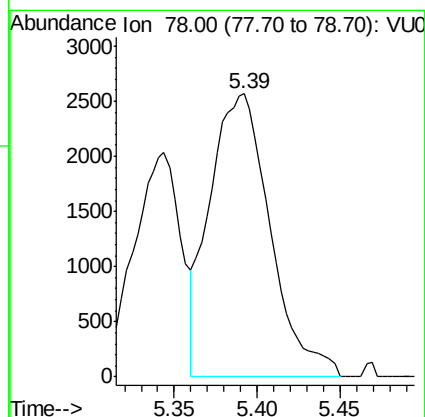
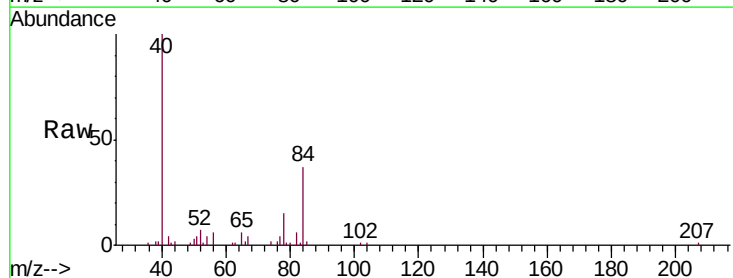
Instrument :
MSVOA_U
ClientSampleId :
C09D2

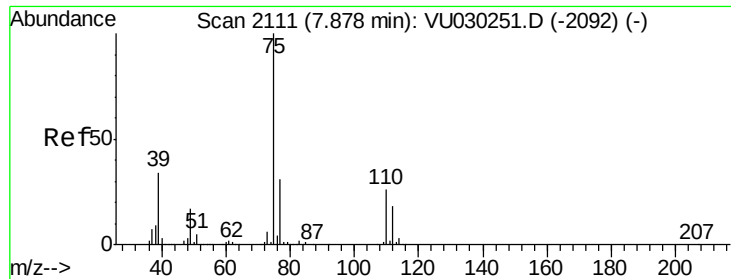
Tgt Ion: 83 Resp: 7985
Ion Ratio Lower Upper
83 100
85 61.2 45.8 85.2



#33
Benzene
Concen: 0.448 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU030256.D
Acq: 21 Mar 2019 11:35

Tgt Ion: 78 Resp: 6518





#44

trans-1,3-Dichloropropene

Concen: 0.542 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030256.D

Acq: 21 Mar 2019 11:35

Instrument :

MSVOA_U

ClientSampleId :

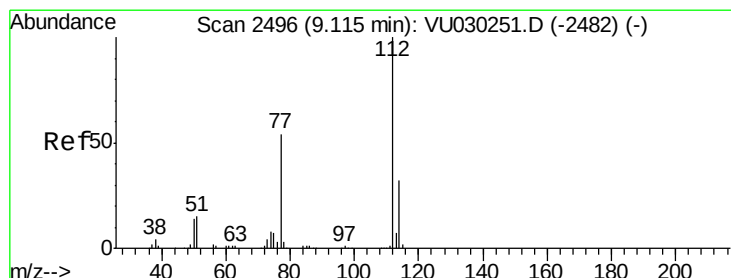
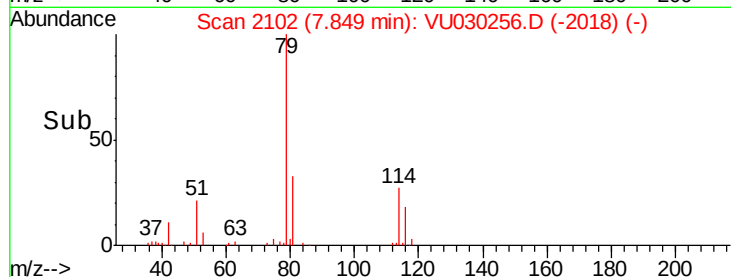
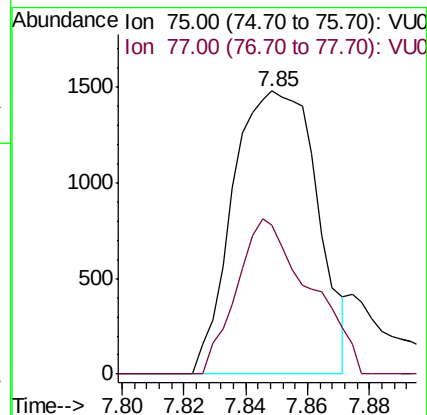
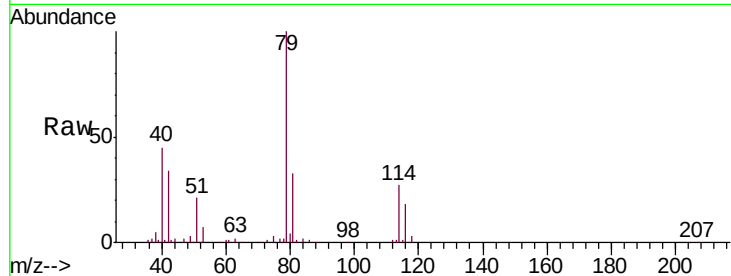
C09D2

Tgt Ion: 75 Resp: 2803

Ion Ratio Lower Upper

75 100

77 52.5 22.7 42.1#



#51

Chlorobenzene

Concen: 2.131 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030256.D

Acq: 21 Mar 2019 11:35

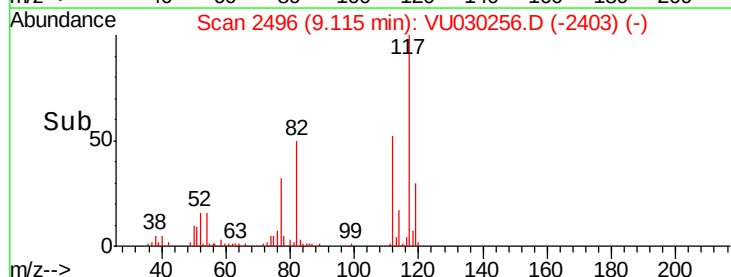
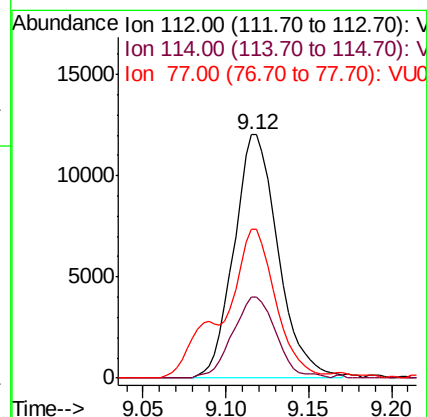
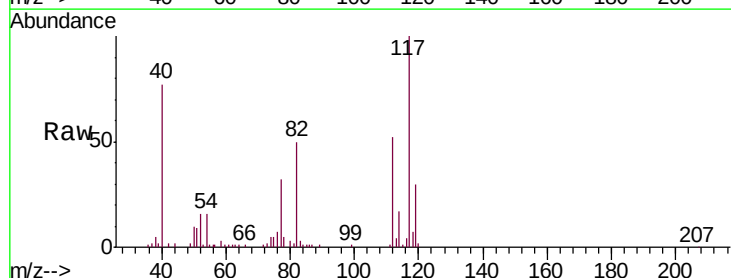
Tgt Ion: 112 Resp: 22330

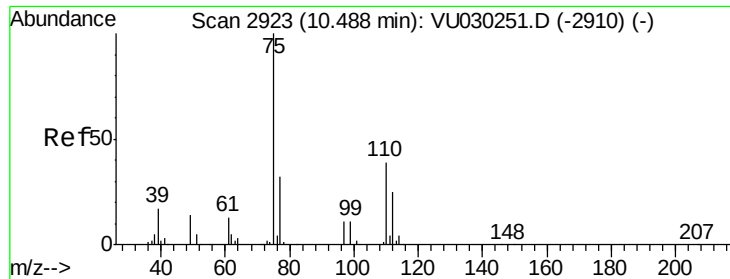
Ion Ratio Lower Upper

112 100

114 33.2 22.5 41.7

77 61.3 43.4 65.0





#59

1,2,3-Trichloropropane

Concen: 6.048 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030256.D

Acq: 21 Mar 2019 11:35

Instrument :

MSVOA_U

ClientSampled :

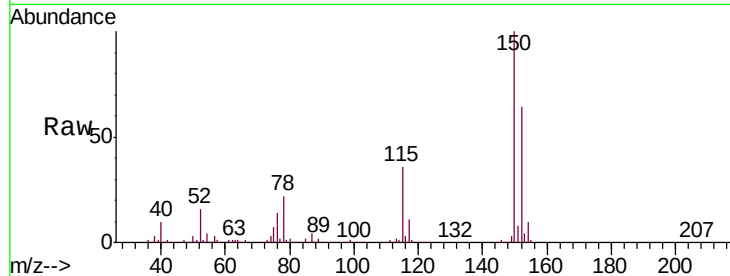
C09D2

Tgt Ion: 75 Resp: 30467

Ion Ratio Lower Upper

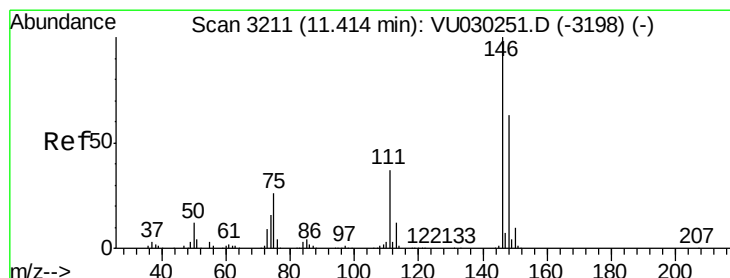
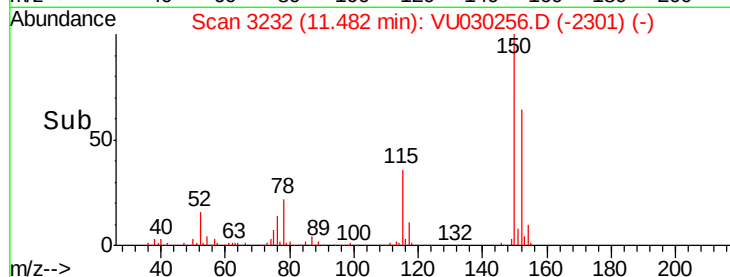
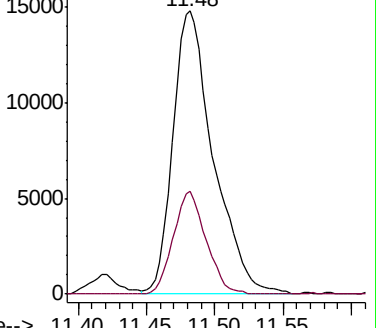
75 100

77 29.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU030256.D (-2301) (-)

Ion 77.00 (76.70 to 77.70): VU030256.D (-2301) (-)



#62

1,3-Dichlorobenzene

Concen: 0.761 ug/L

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU030256.D

Acq: 21 Mar 2019 11:35

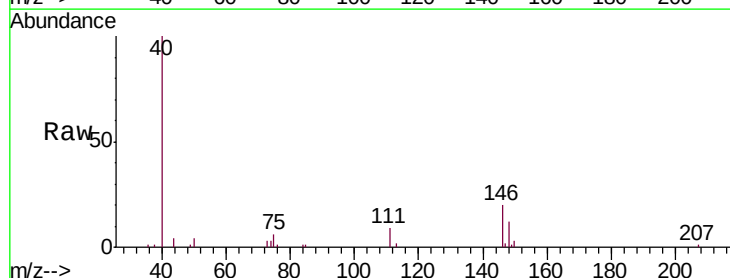
Tgt Ion: 146 Resp: 5671

Ion Ratio Lower Upper

146 100

111 45.9 27.2 50.4

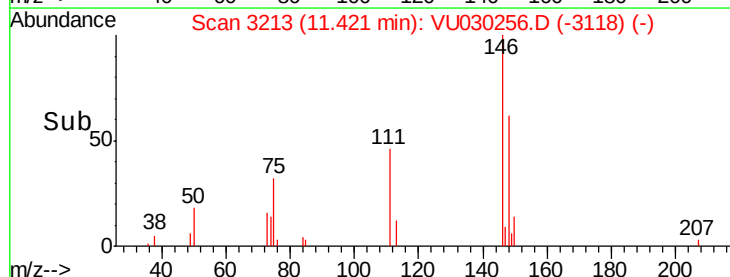
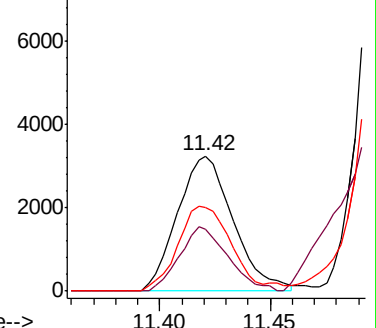
148 62.2 44.4 82.5

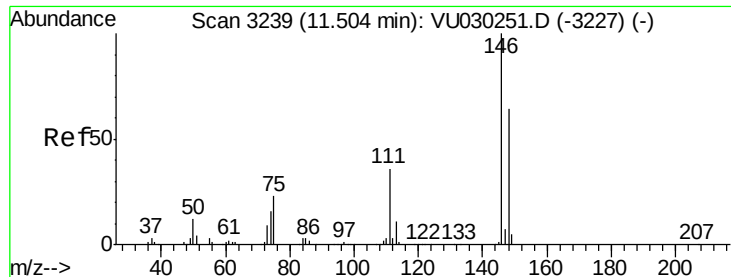


Abundance Ion 146.00 (145.70 to 146.70): VU030256.D (-3118) (-)

Ion 111.00 (110.70 to 111.70): VU030256.D (-3118) (-)

Ion 148.00 (147.70 to 148.70): VU030256.D (-3118) (-)

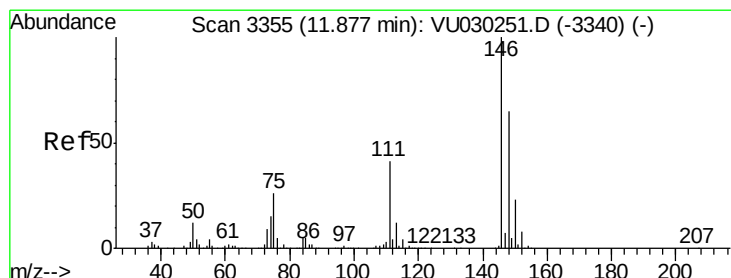
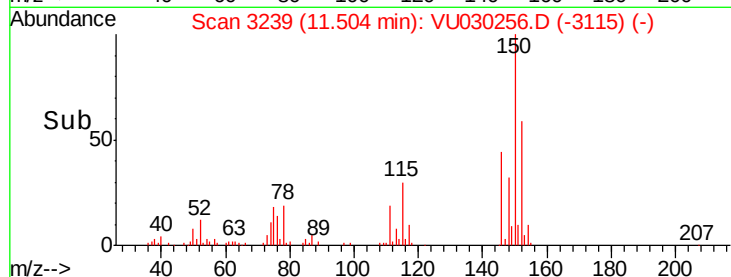
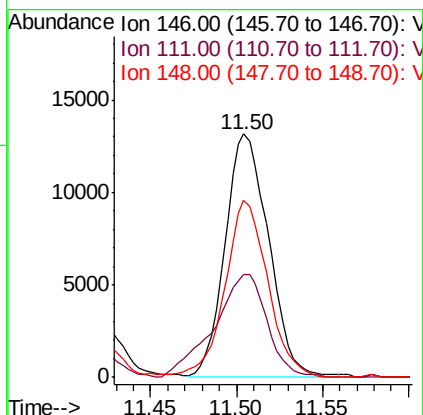
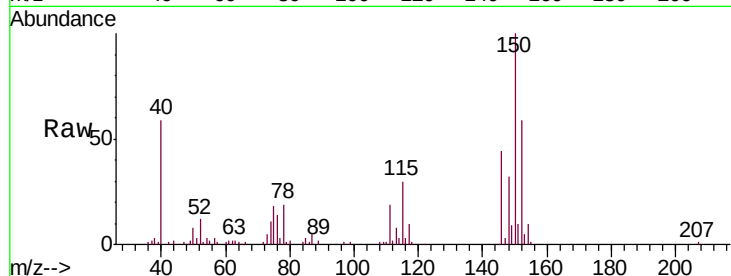




#63
 1,4-Dichlorobenzene
 Concen: 3.010 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030256.D
 Acq: 21 Mar 2019 11:35

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D2

Tgt Ion:146 Resp: 23254
 Ion Ratio Lower Upper
 146 100
 111 42.0 25.3 46.9
 148 72.7 44.7 82.9



#65
 1,2-Dichlorobenzene
 Concen: 6.977 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU030256.D
 Acq: 21 Mar 2019 11:35

Tgt Ion:146 Resp: 53103
 Ion Ratio Lower Upper
 146 100
 111 40.6 31.7 47.5
 148 64.5 52.0 78.0

