

Data File : VU030103.D
Acq On : 15 Mar 2019 12:08
Operator : JC/SP
Sample : K1918-07DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09G6DL

Quant Time: Mar 16 00:05:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	457636	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	442907	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	212932	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	97682	32.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.54%
7) Chloroethane-d5	1.68	69	92801	37.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.96%
11) 1,1-Dichloroethene-d2	2.27	63	152780	27.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.92%#
21) 2-Butanone-d5	4.17	46	235224	103.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.72%
24) Chloroform-d	4.65	84	249876	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.04%
26) 1,2-Dichloroethane-d4	5.31	65	152885	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
32) Benzene-d6	5.34	84	514231	45.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.33	67	170367	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.66%
41) Toluene-d8	7.56	98	467609	43.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.85	79	75129	44.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.90%
47) 2-Hexanone-d5	8.31	63	197035	100.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	267001	49.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	207381	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1729	0.575	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	1661	0.579	ug/L #	1
13) Acetone	2.32	43	1401	0.528	ug/L	88
27) 1,2-Dichloroethane	5.39	62	2060	0.509	ug/L #	71
33) Benzene	5.39	78	241528	19.057	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	2759	0.582	ug/L #	66
48) 2-Hexanone	8.31	43	18761	4.886	ug/L #	63
51) Chlorobenzene	9.12	112	551647	59.380	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	27909	6.428	ug/L	93
63) 1,4-Dichlorobenzene	11.50	146	22103	3.161	ug/L	95
65) 1,2-Dichlorobenzene	11.87	146	5466	0.790	ug/L #	82

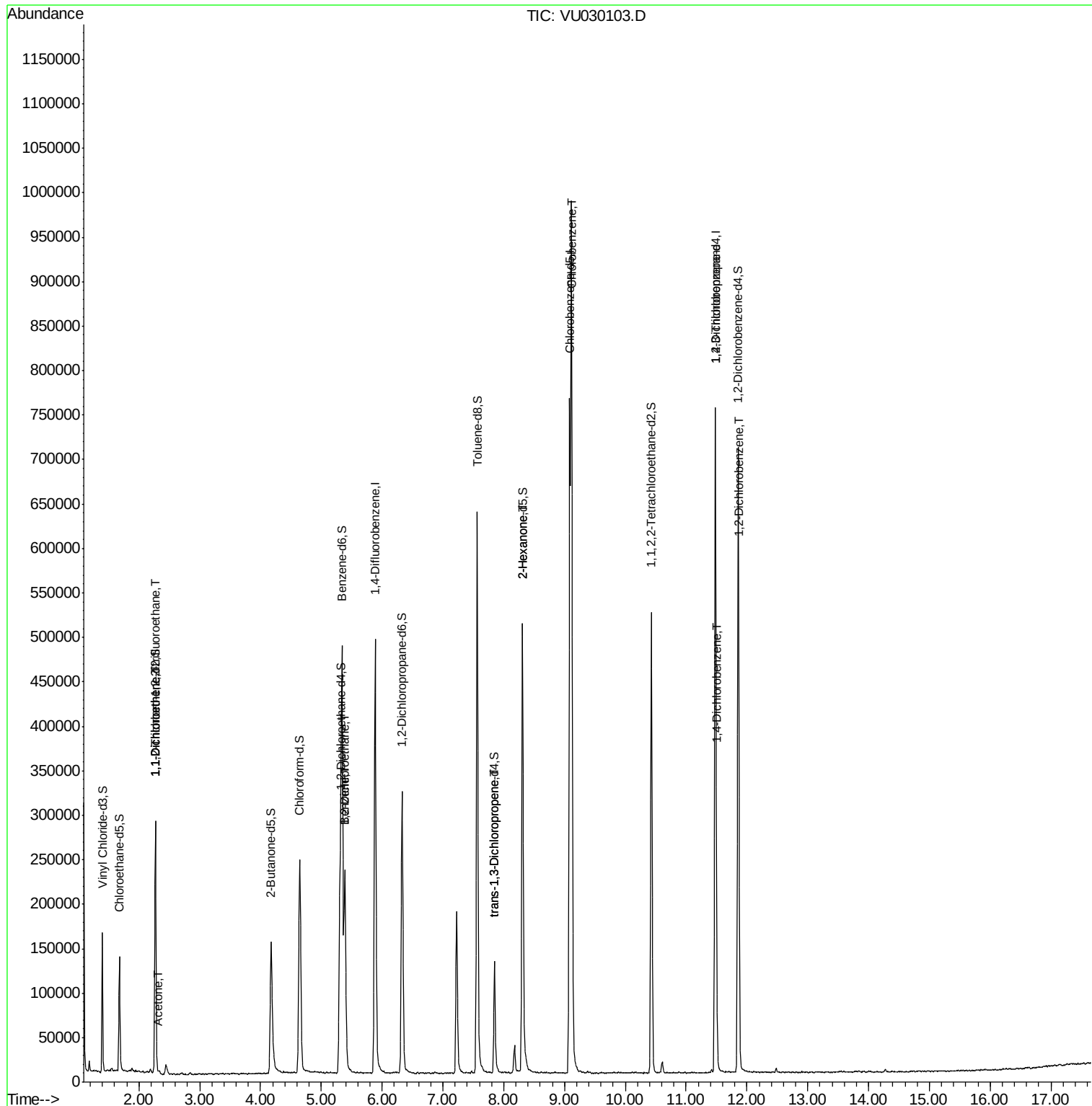
(#) = qualifier out of range (m) = manual integration (+) = signals summed

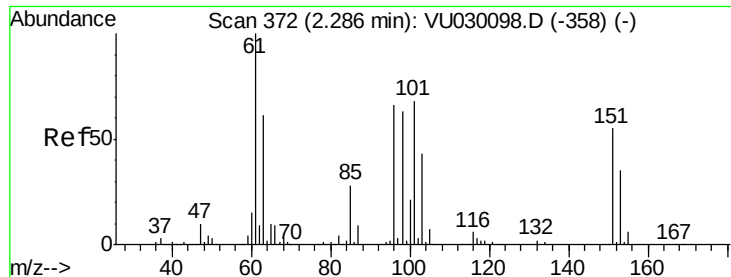
Data File : VU030103.D

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Response via : Initial Calibration





#10

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

Concen: 0.575 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030103.D

Acq: 15 Mar 2019 12:08

Instrument :

MSVOA_U

ClientSampled :

C09G6DL

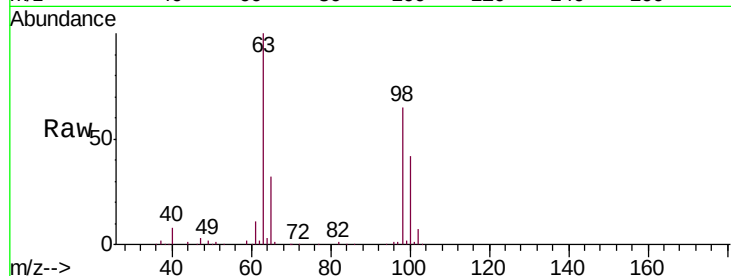
Tgt Ion: 101 Resp: 1729

Ion Ratio Lower Upper

101 100

85 2.6 33.0 49.4#

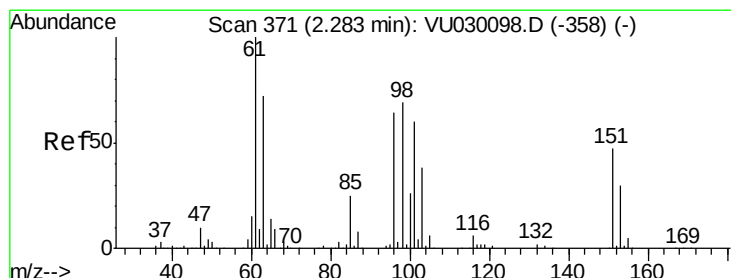
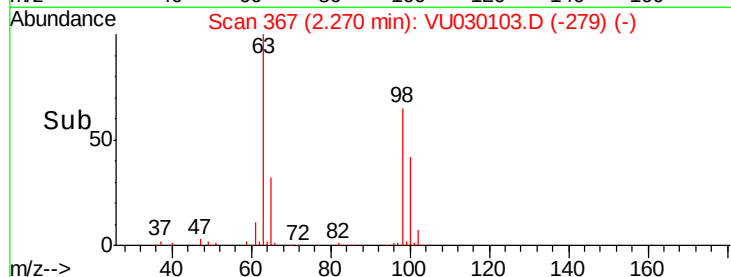
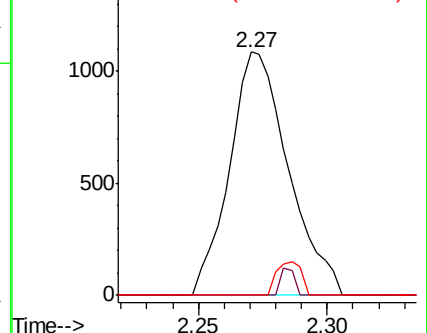
151 5.8 66.1 99.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.579 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030103.D

Acq: 15 Mar 2019 12:08

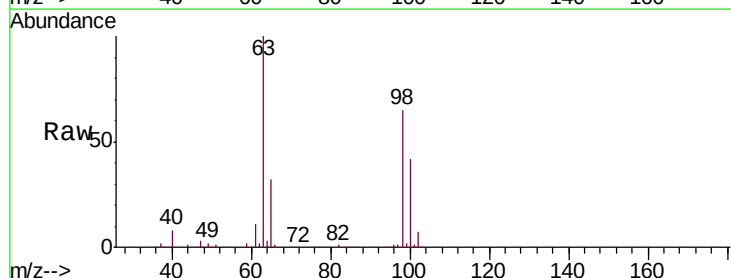
Tgt Ion: 96 Resp: 1661

Ion Ratio Lower Upper

96 100

61 1169.8 110.4 205.0#

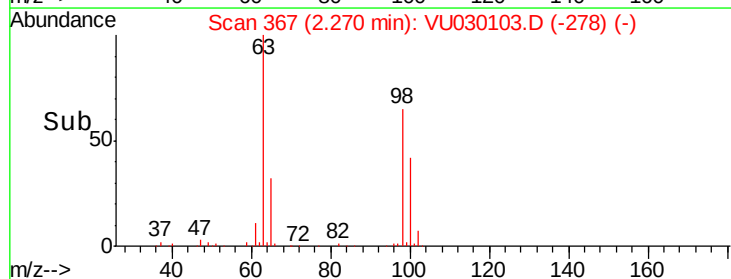
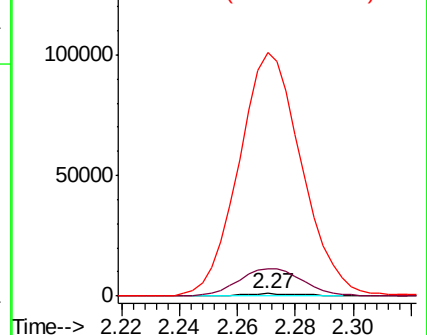
63 10356.5 86.5 160.7#

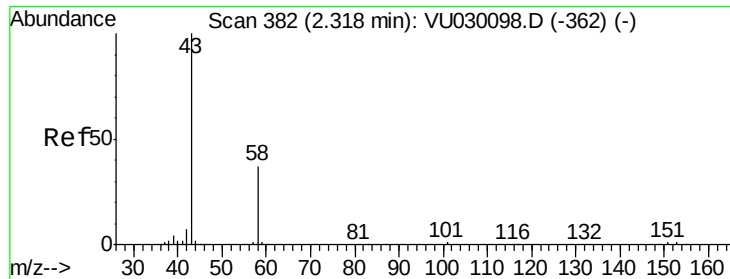


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.528 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030103.D

Acq: 15 Mar 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

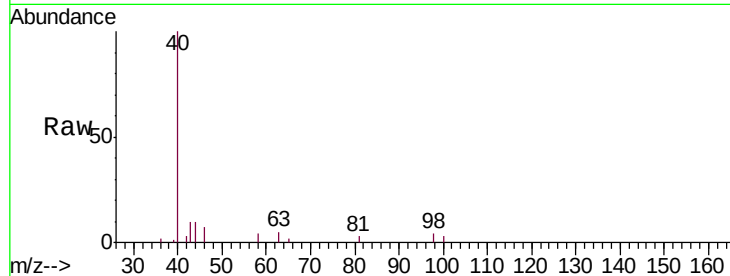
C09G6DL

Tgt Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

58 29.6 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU030103.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU030103.D (-289) (-)

2.32

800

600

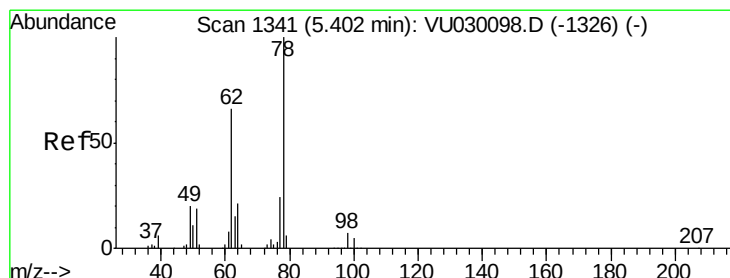
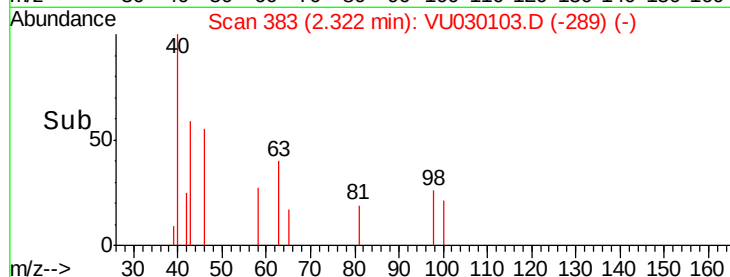
400

200

0

2.30 2.35

Time-->



#27

1,2-Dichloroethane

Concen: 0.509 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.02 min

Lab File: VU030103.D

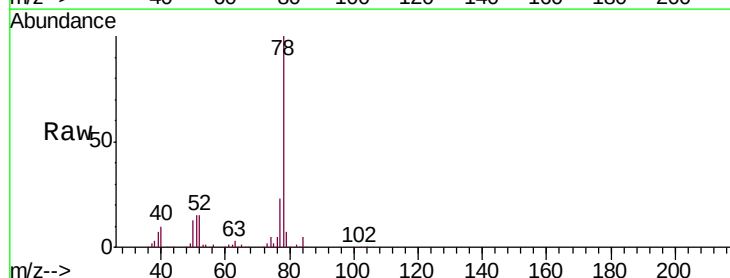
Acq: 15 Mar 2019 12:08

Tgt Ion: 62 Resp: 2060

Ion Ratio Lower Upper

62 100

98 0.0 8.8 13.2#



Abundance Ion 62.00 (61.70 to 62.70): VU030103.D (-1248) (-)

Ion 98.00 (97.70 to 98.70): VU030103.D (-1248) (-)

5.39

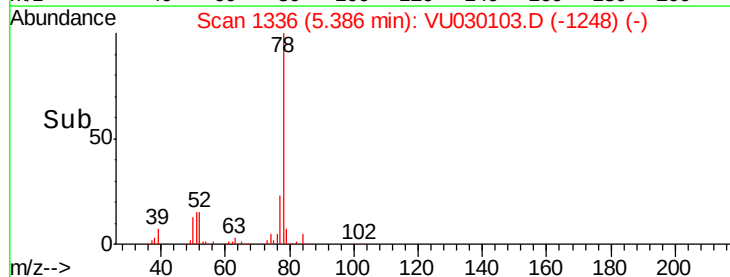
1000

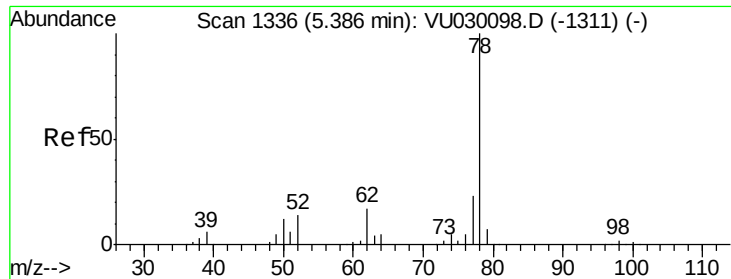
500

0

5.35 5.40 5.45

Time-->





#33

Benzene

Concen: 19.057 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030103.D

Acq: 15 Mar 2019 12:08

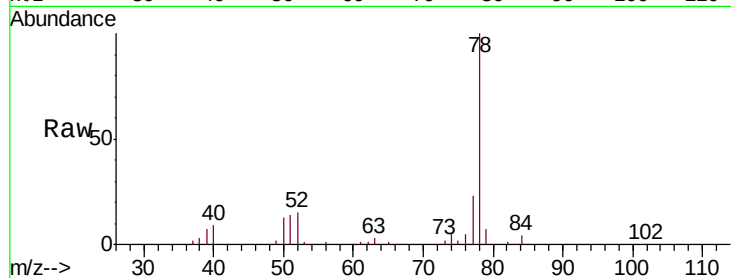
Instrument :

MSVOA_U

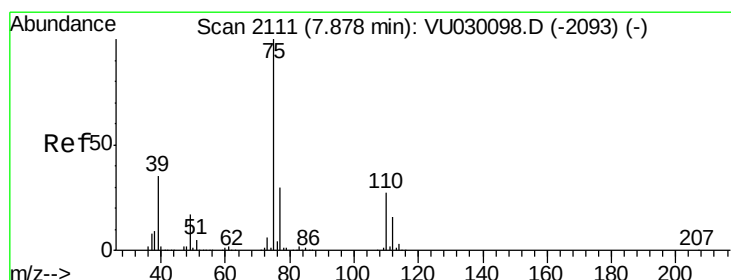
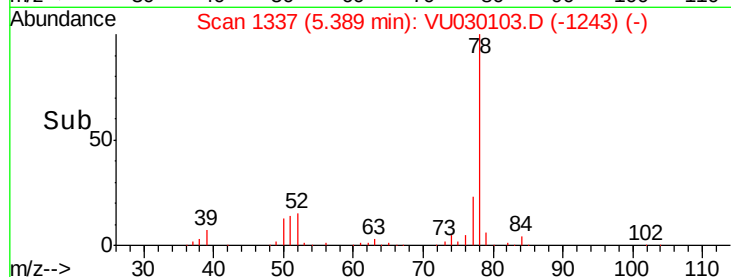
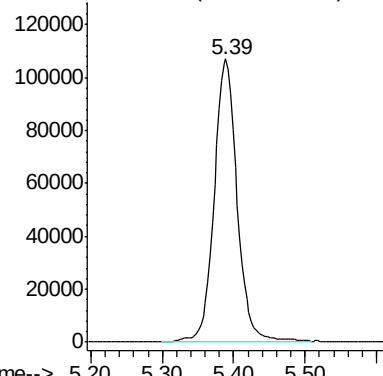
ClientSampleId :

C09G6DL

Tgt Ion: 78 Resp: 241528



Abundance Ion 78.00 (77.70 to 78.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.582 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030103.D

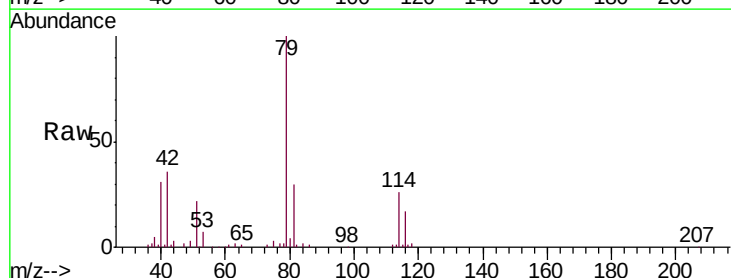
Acq: 15 Mar 2019 12:08

Tgt Ion: 75 Resp: 2759

Ion Ratio Lower Upper

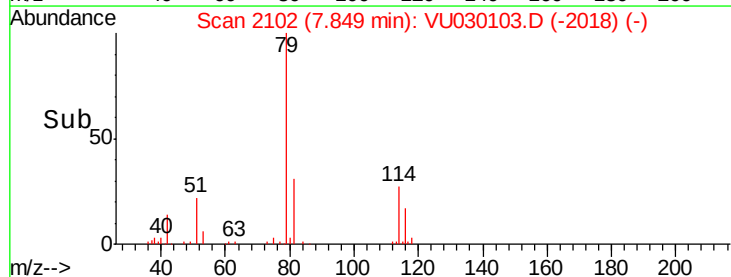
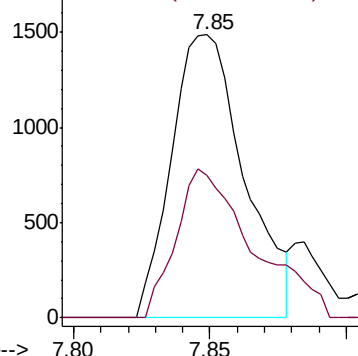
75 100

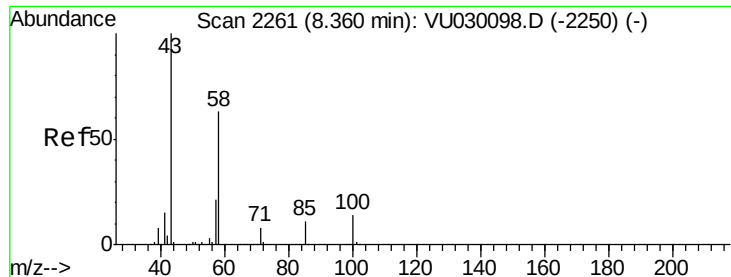
77 50.3 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

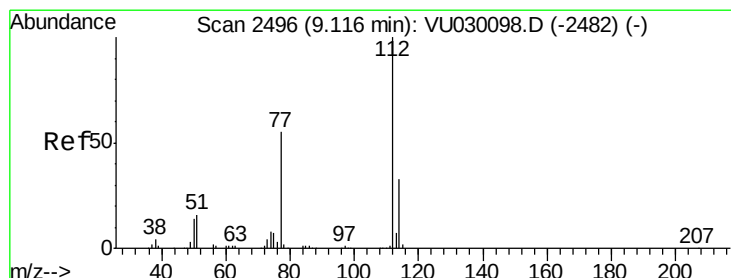
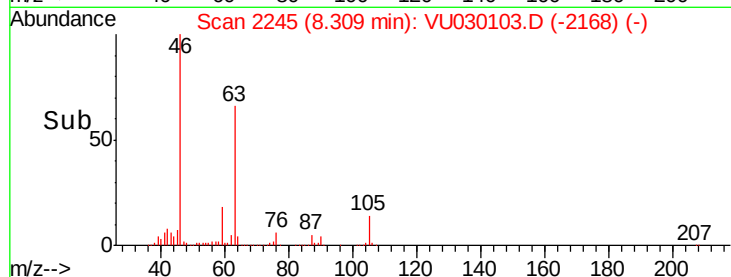
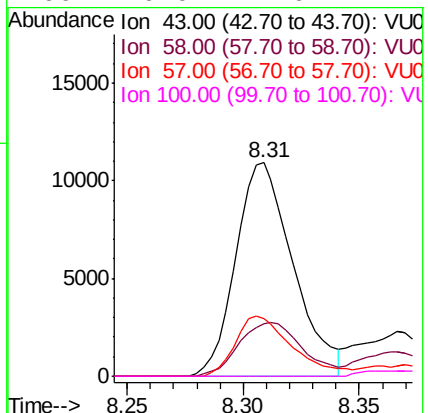
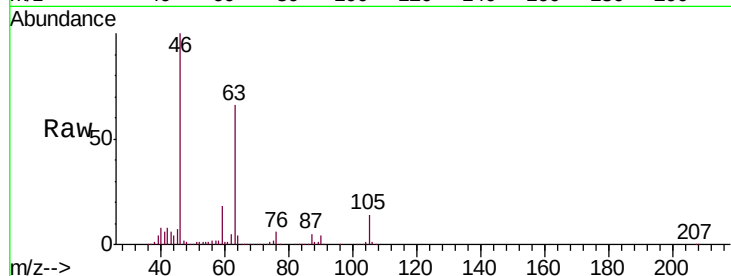




#48
2-Hexanone
Concen: 4.886 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030103.D
Acq: 15 Mar 2019 12:08

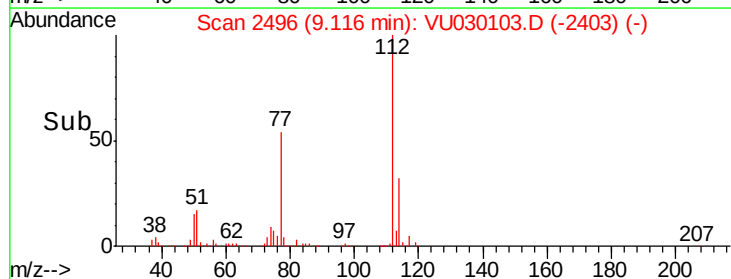
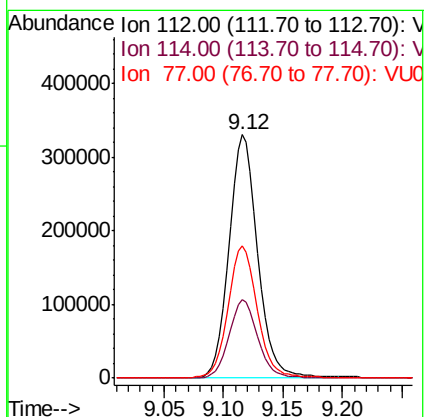
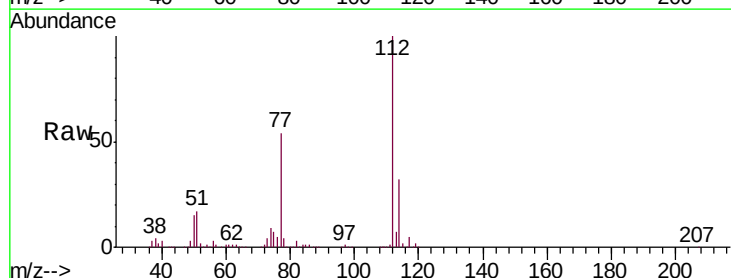
Instrument :
MSVOA_U
ClientSampleId :
C09G6DL

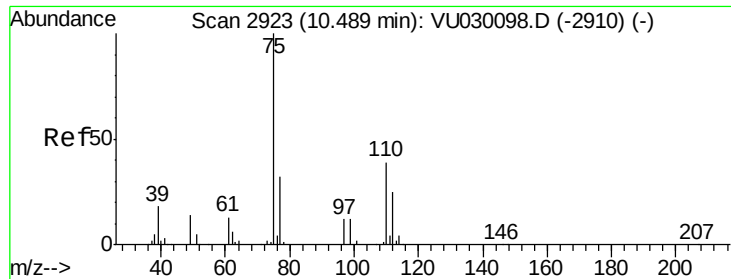
Tgt Ion: 43 Resp: 18761
Ion Ratio Lower Upper
43 100
58 27.7 48.6 72.8#
57 28.2 16.1 24.1#
100 0.0 11.6 17.4#



#51
Chlorobenzene
Concen: 59.380 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030103.D
Acq: 15 Mar 2019 12:08

Tgt Ion: 112 Resp: 551647
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.9
77 54.3 44.6 66.8





#59

1,2,3-Trichloropropane

Concen: 6.428 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030103.D

Acq: 15 Mar 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

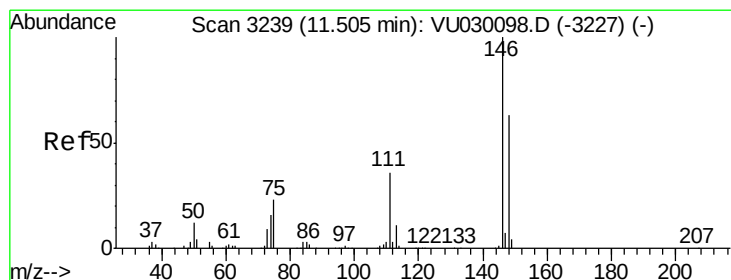
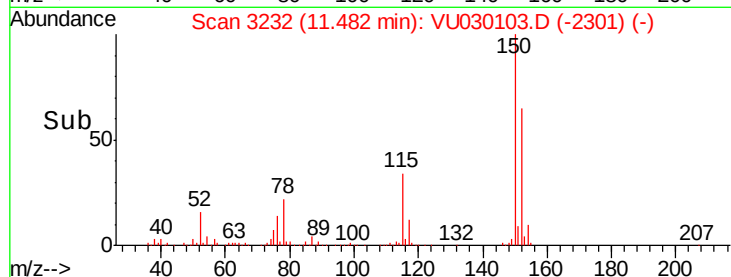
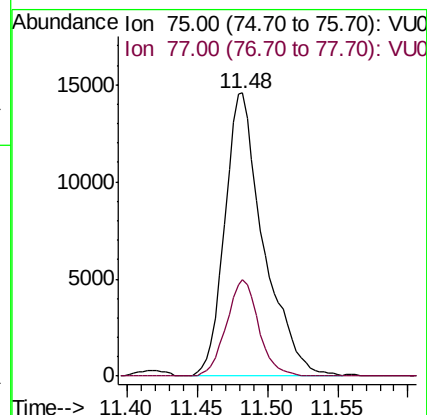
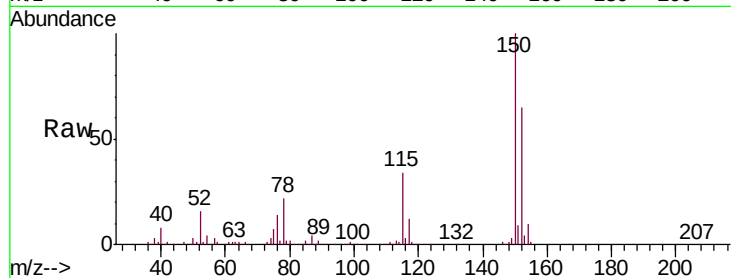
C09G6DL

Tgt Ion: 75 Resp: 27909

Ion Ratio Lower Upper

75 100

77 28.4 25.8 38.8



#63

1,4-Dichlorobenzene

Concen: 3.161 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030103.D

Acq: 15 Mar 2019 12:08

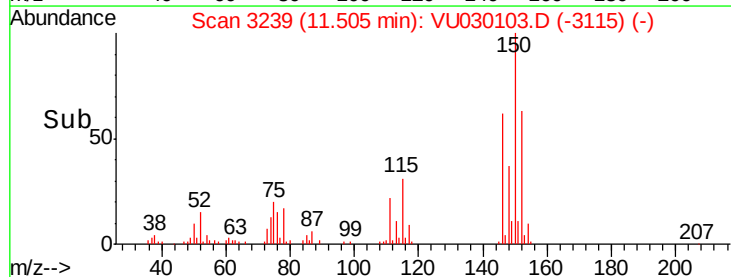
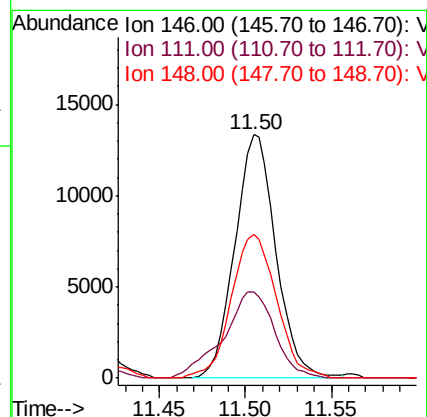
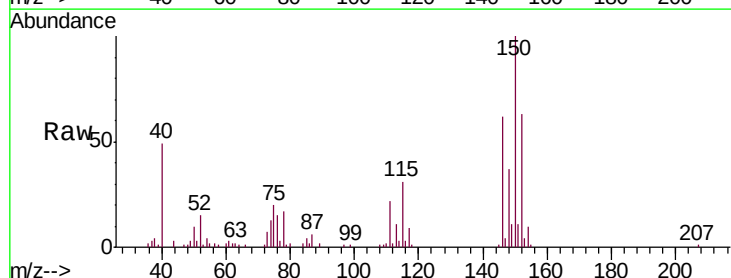
Tgt Ion: 146 Resp: 22103

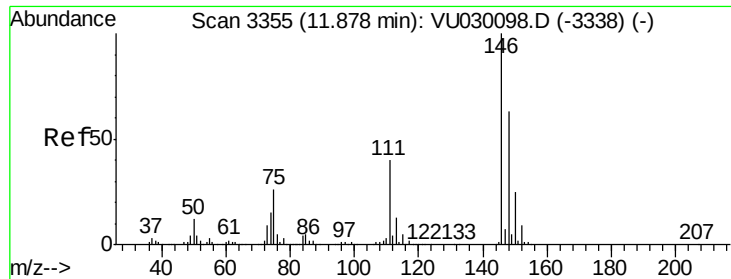
Ion Ratio Lower Upper

146 100

111 35.5 25.5 47.3

148 58.9 45.0 83.6

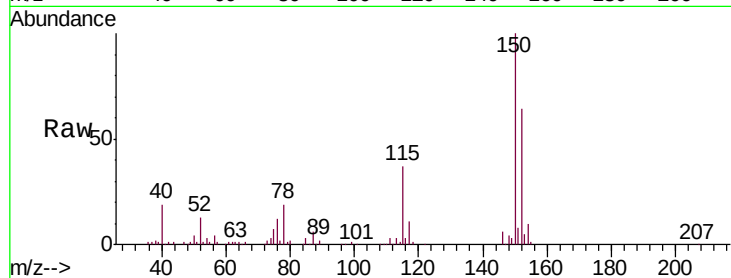




#65
 1,2-Dichlorobenzene
 Concen: 0.790 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030103.D
 Acq: 15 Mar 2019 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 C09G6DL

Tgt Ion:146 Resp: 5466
 Ion Ratio Lower Upper
 146 100
 111 58.7 30.9 46.3#
 148 70.8 51.2 76.8



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

