

Data File : VU029056.D
Acq On : 07 Jan 2019 13:46
Operator : MD/SY
Sample : VIBLK-41
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK41

Quant Time: Jan 08 01:42:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	182183	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	172465	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	70683	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76332	52.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.52%
7) Chloroethane-d5	1.67	69	59123	52.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.82%
11) 1,1-Dichloroethene-d2	2.27	63	95202	38.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.52%
21) 2-Butanone-d5	4.18	46	106198	103.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.78%
24) Chloroform-d	4.64	84	116318	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.30%
26) 1,2-Dichloroethane-d4	5.31	65	74969	52.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.90%
32) Benzene-d6	5.34	84	257915	52.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.86%
36) 1,2-Dichloropropane-d6	6.33	67	87051	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.18%
41) Toluene-d8	7.56	98	227224	51.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.92%
43) trans-1,3-Dichloropropene-	7.85	79	38347	51.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.40%
47) 2-Hexanone-d5	8.31	63	77847	99.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118032	51.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	78173	54.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.36%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	1032	1.013	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	822	0.696	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	772	0.661	ug/L #	1
33) Benzene	5.39	78	4855	0.884	ug/L	100
35) Methylcyclohexane	6.33	83	18584	8.418	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7822	5.096	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1920	0.877	ug/L #	59
44) trans-1,3-Dichloropropene	7.85	75	1388	0.712	ug/L	99
51) Chlorobenzene	9.12	112	41338	11.785	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	8105	4.425	ug/L	95
62) 1,3-Dichlorobenzene	11.42	146	3184	1.418	ug/L	90
63) 1,4-Dichlorobenzene	11.51	146	29901	12.925	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	28300	12.082	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	9039	5.460	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	9039	6.520	ug/L	96
70) 1,2,3-Trichlorobenzene	14.00	180	2580	1.726	ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

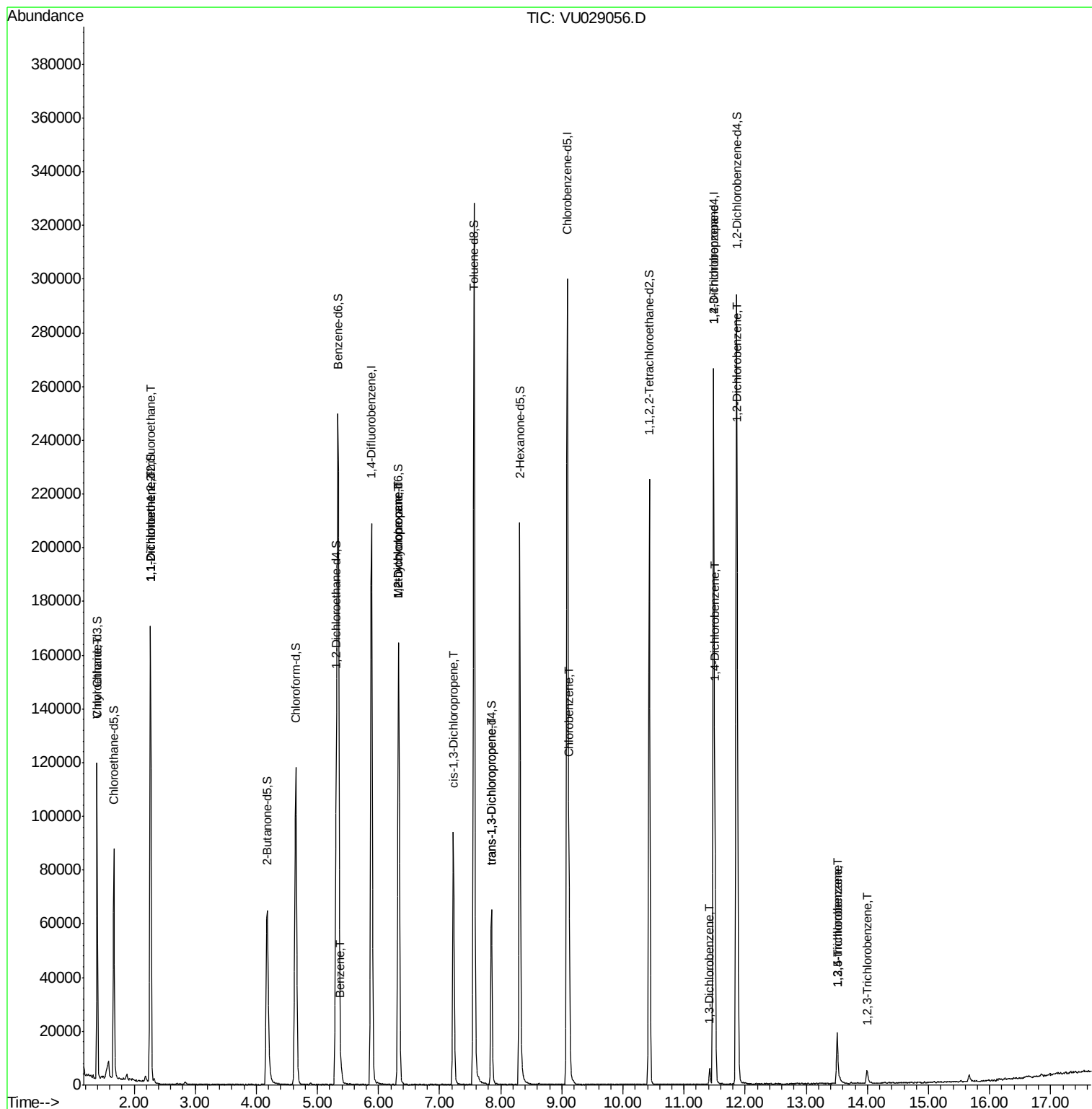
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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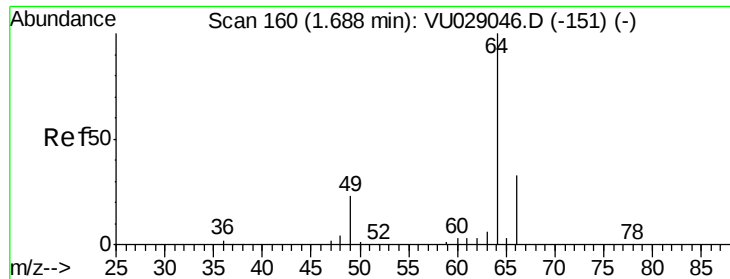
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#8

Chloroethane

Concen: 1.013 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU029056.D

Acq: 07 Jan 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

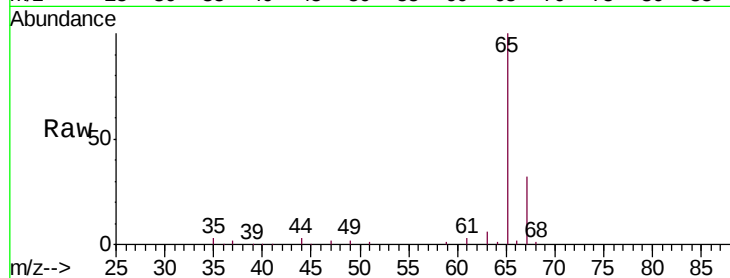
VIBLK41

Tgt Ion: 64 Resp: 1032

Ion Ratio Lower Upper

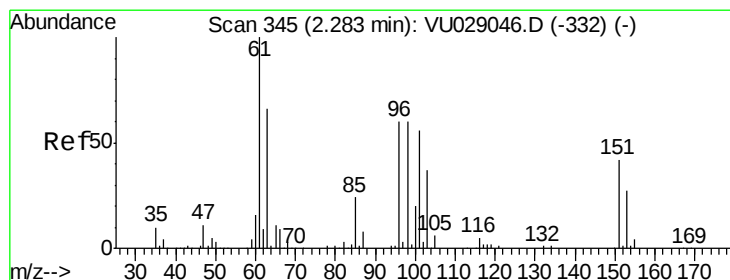
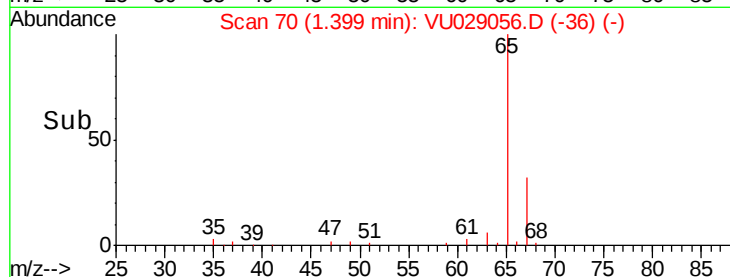
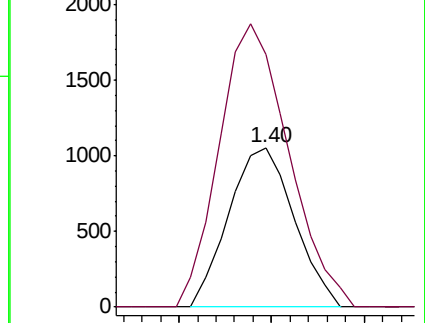
64 100

66 158.6 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU029046.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VU029046.D (-151) (-)



#10

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

Concen: 0.696 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU029056.D

Acq: 07 Jan 2019 13:46

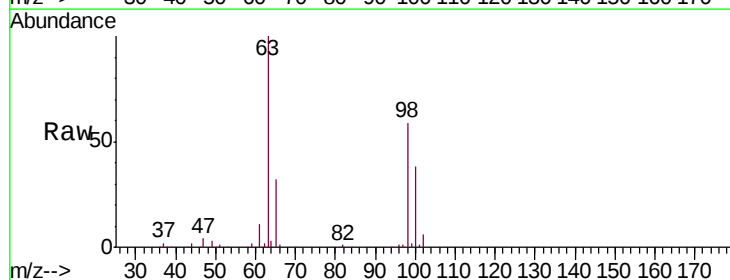
Tgt Ion: 101 Resp: 822

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

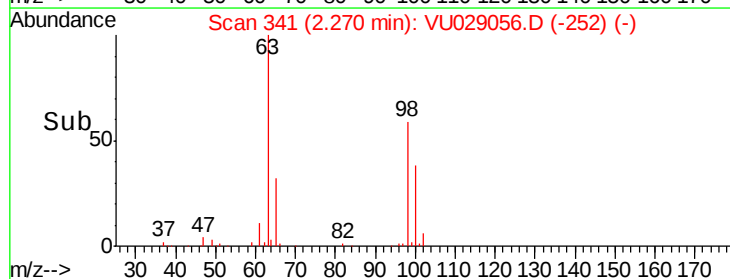
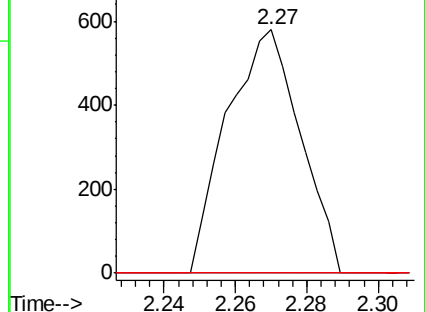
151 0.0 59.4 89.0#

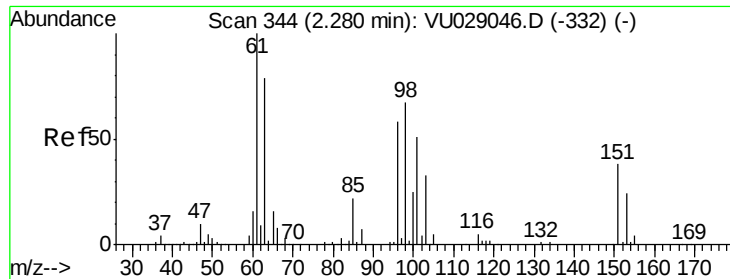


Abundance Ion 101.00 (100.70 to 101.70): VU029046.D (-332) (-)

Ion 85.00 (84.70 to 85.70): VU029046.D (-332) (-)

Ion 151.00 (150.70 to 151.70): VU029046.D (-332) (-)





#12

1,1-Dichloroethene

Concen: 0.661 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU029056.D

Acq: 07 Jan 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VIBLK41

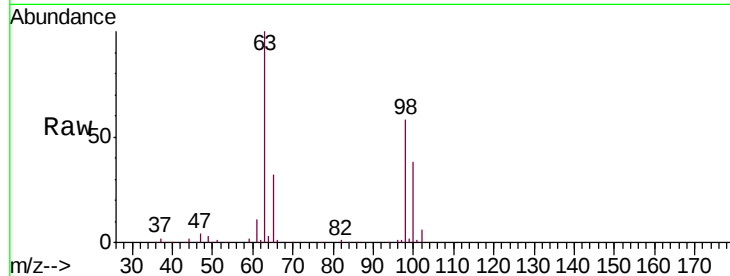
Tgt Ion: 96 Resp: 772

Ion Ratio Lower Upper

96 100

61 1276.7 119.3 221.5#

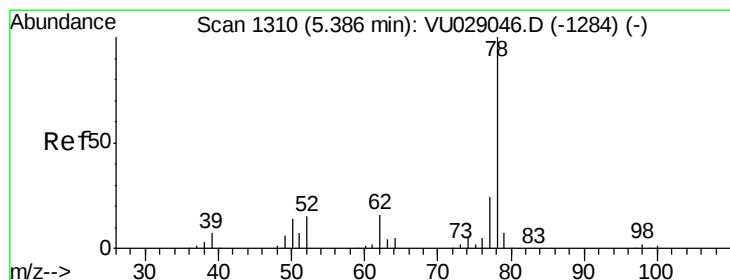
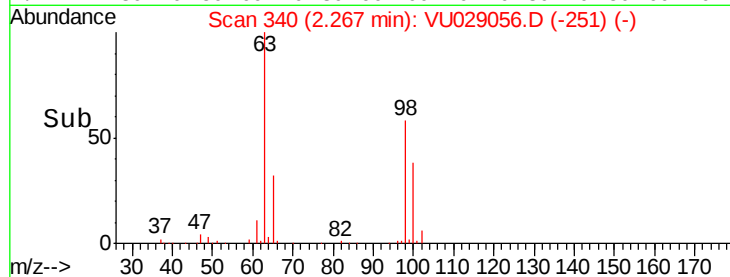
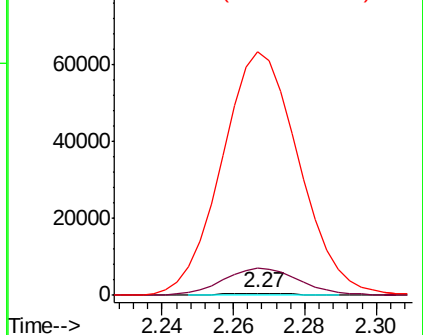
63 11403.6 107.4 199.6#



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



#33

Benzene

Concen: 0.884 ug/L

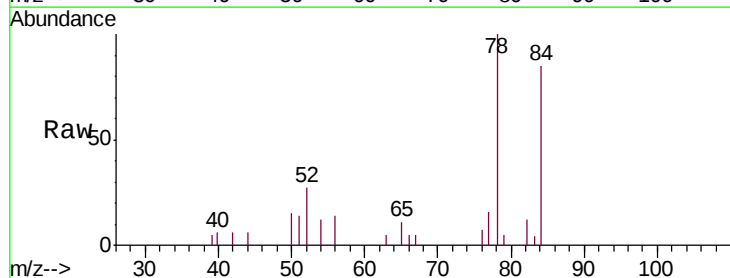
RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

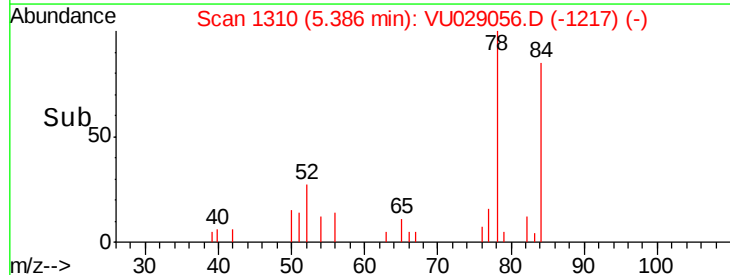
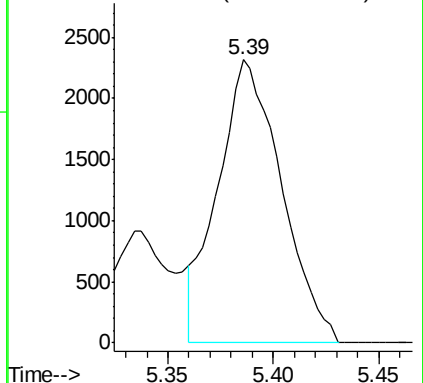
Lab File: VU029056.D

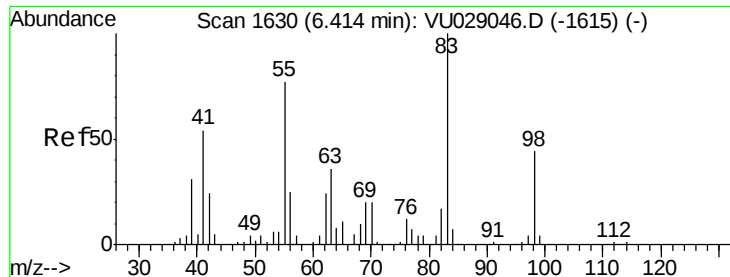
Acq: 07 Jan 2019 13:46

Tgt Ion: 78 Resp: 4855



Abundance Ion 78.00 (77.70 to 78.70): VU0

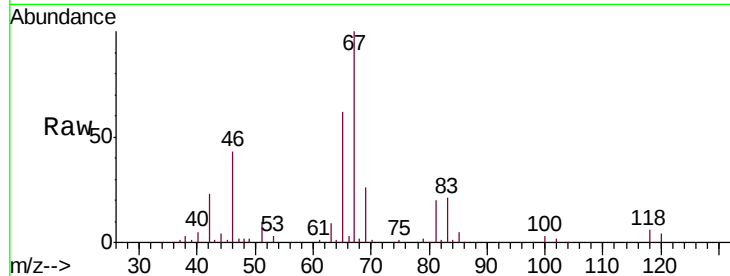




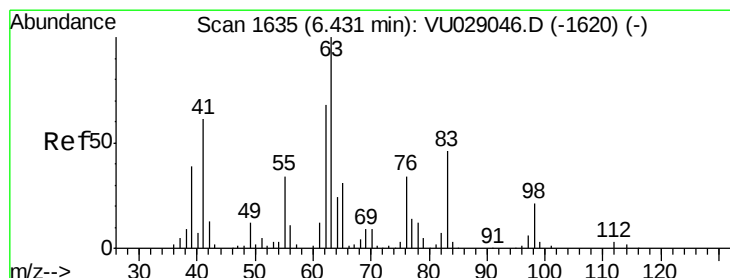
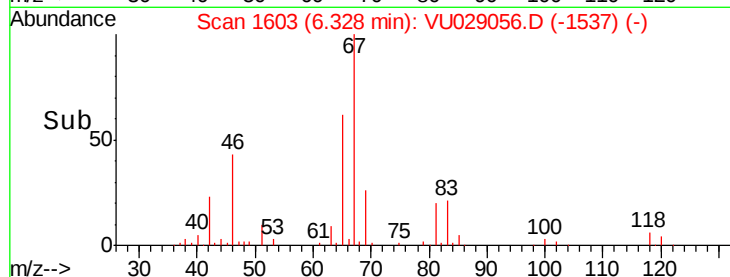
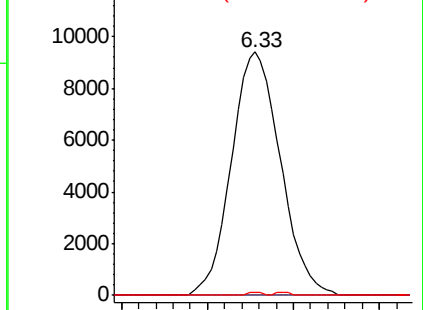
#35
Methylcyclohexane
Concen: 8.418 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.09 min
Lab File: VU029056.D
Acq: 07 Jan 2019 13:46

Instrument :
MSVOA_U
ClientSampleId :
VIBLK41

Tgt Ion: 83 Resp: 18584
Ion Ratio Lower Upper
83 100
55 0.0 63.7 95.5#
98 0.3 35.6 53.4#

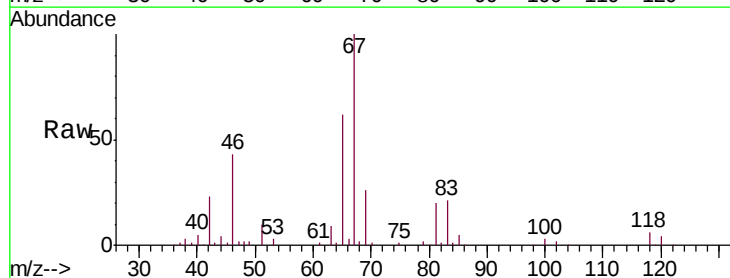


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

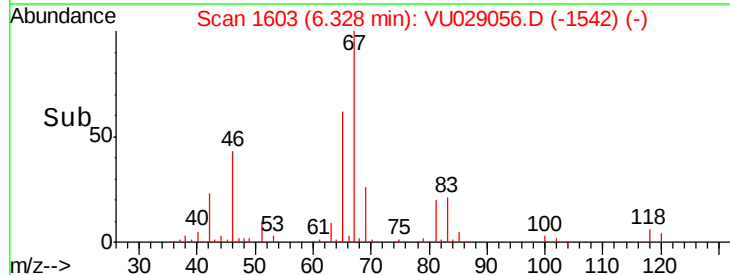
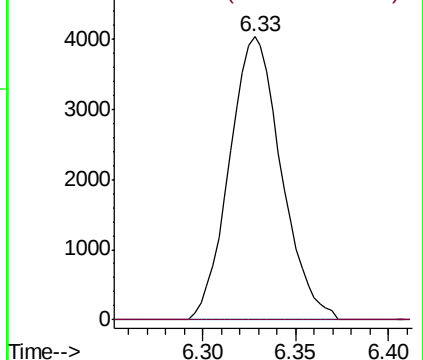


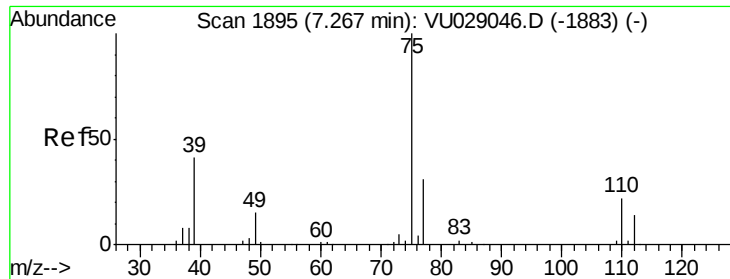
#37
1,2-Dichloropropane
Concen: 5.096 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.10 min
Lab File: VU029056.D
Acq: 07 Jan 2019 13:46

Tgt Ion: 63 Resp: 7822
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

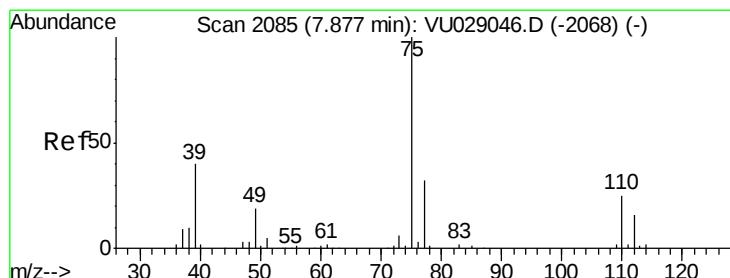
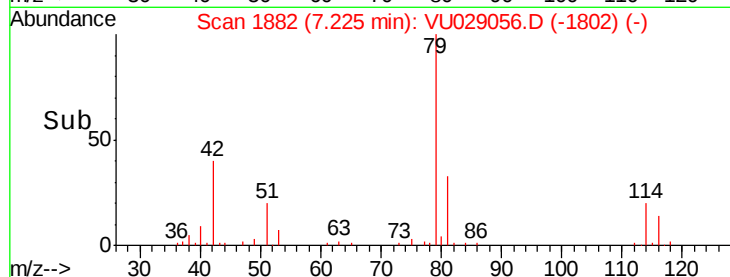
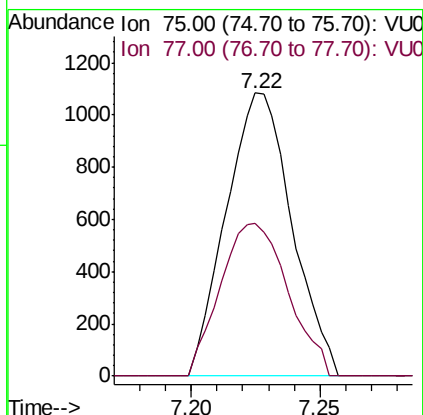
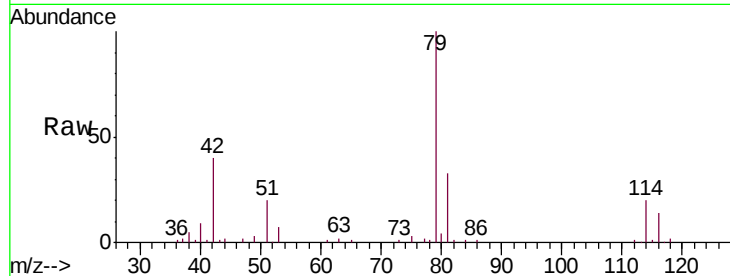




#39
 cis-1,3-Dichloropropene
 Concen: 0.877 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU029056.D
 Acq: 07 Jan 2019 13:46

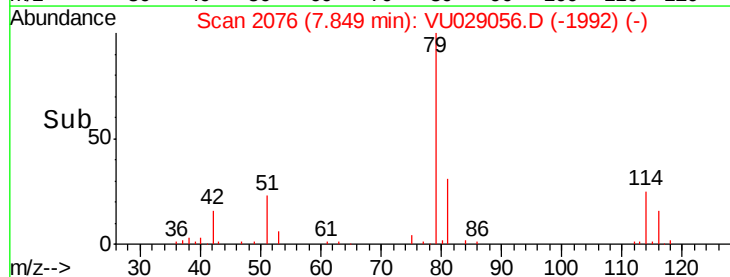
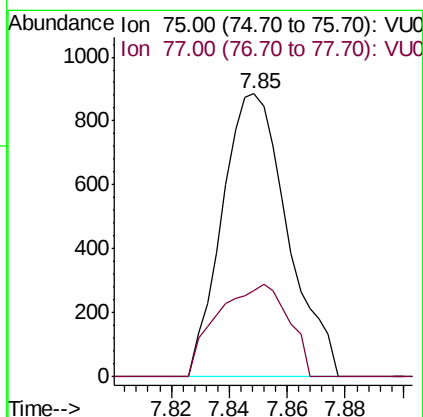
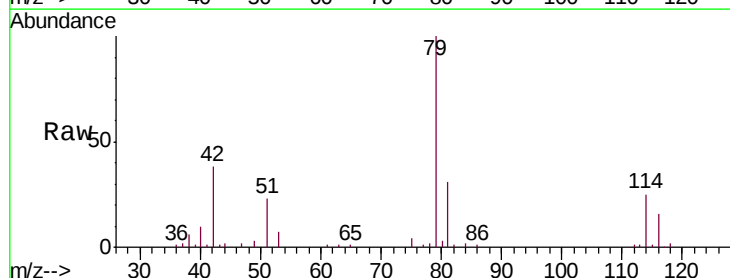
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK41

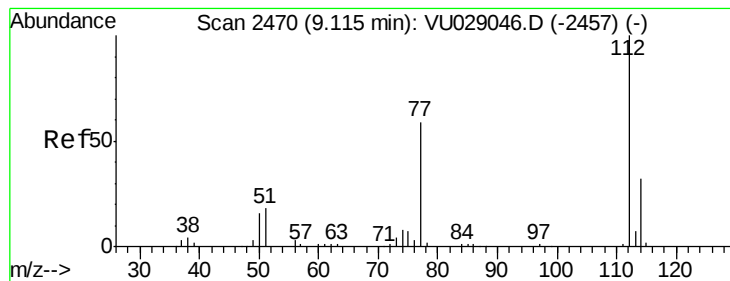
Tgt Ion: 75 Resp: 1920
 Ion Ratio Lower Upper
 75 100
 77 53.9 21.8 40.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.712 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU029056.D
 Acq: 07 Jan 2019 13:46

Tgt Ion: 75 Resp: 1388
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.8 40.6





#51

Chlorobenzene

Concen: 11.785 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU029056.D

Acq: 07 Jan 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VIBLK41

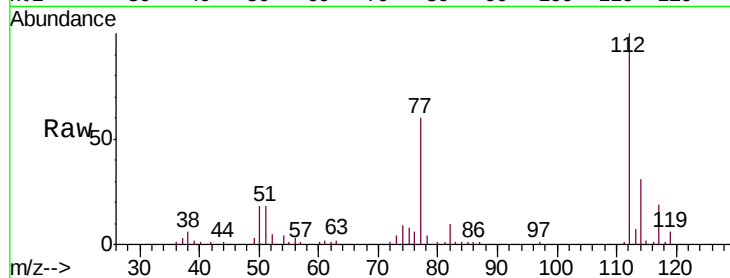
Tgt Ion: 112 Resp: 41338

Ion Ratio Lower Upper

112 100

114 31.3 22.2 41.2

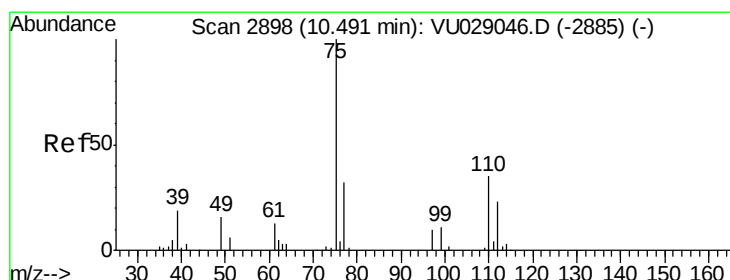
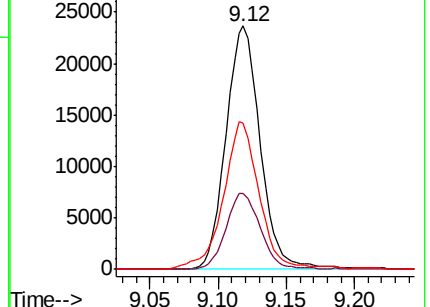
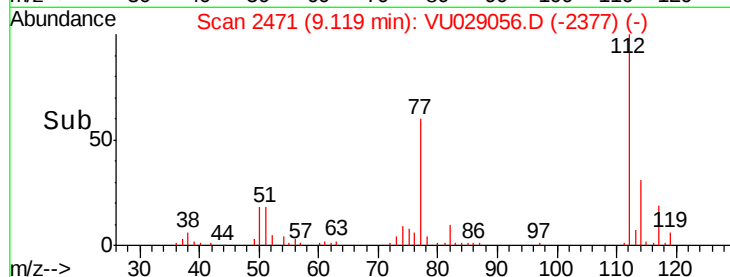
77 60.3 47.8 71.8



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



#59

1,2,3-Trichloropropane

Concen: 4.425 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU029056.D

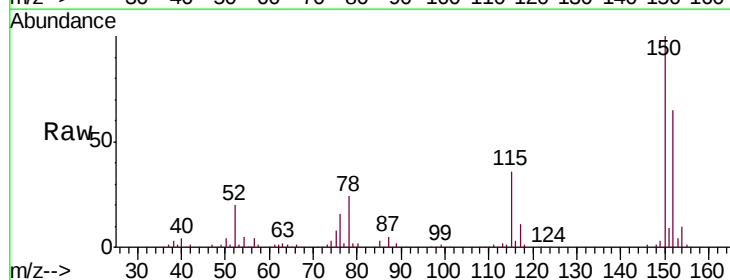
Acq: 07 Jan 2019 13:46

Tgt Ion: 75 Resp: 8105

Ion Ratio Lower Upper

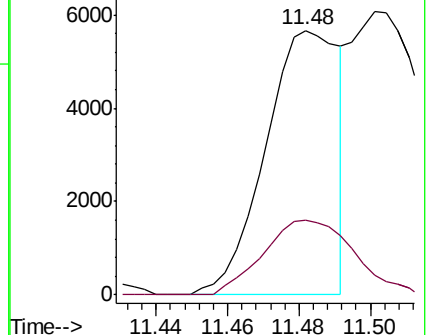
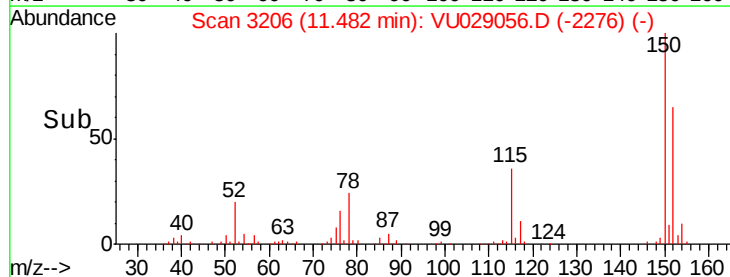
75 100

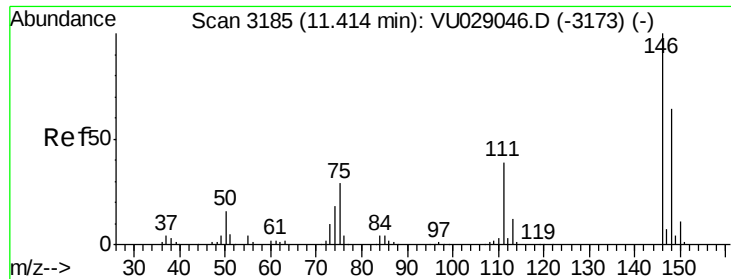
77 34.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 1.418 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU029056.D

Acq: 07 Jan 2019 13:46

Instrument :

MSVOA_U

ClientSampled :

VIBLK41

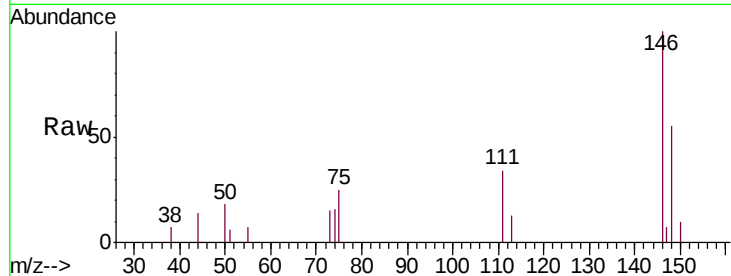
Tgt Ion:146 Resp: 3184

Ion Ratio Lower Upper

146 100

111 34.0 27.4 50.8

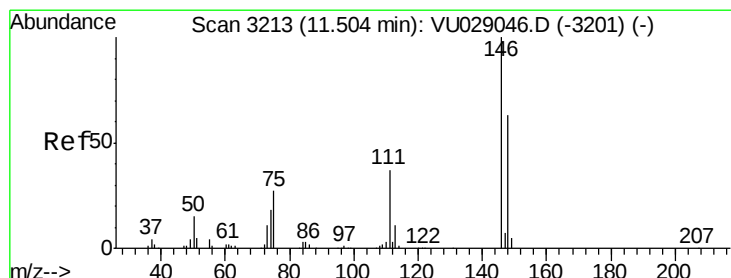
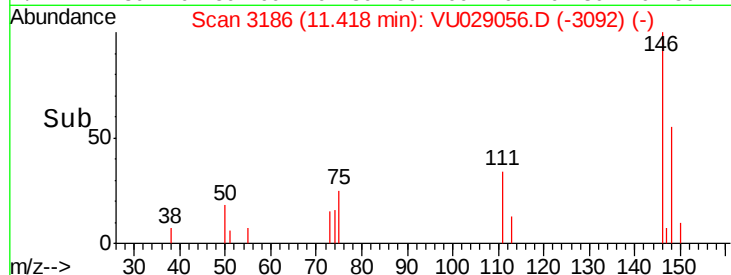
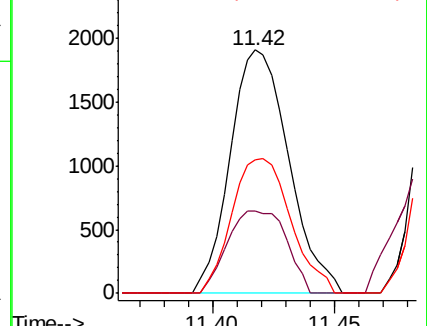
148 55.1 44.2 82.2



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: 12.925 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU029056.D

Acq: 07 Jan 2019 13:46

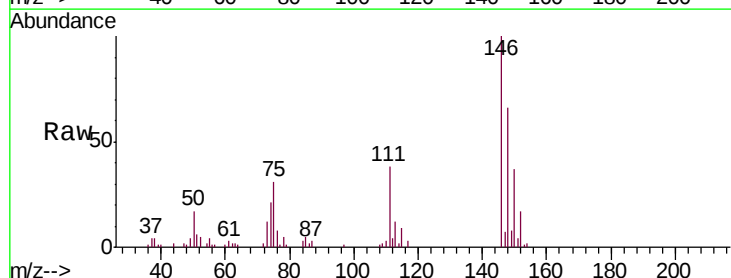
Tgt Ion:146 Resp: 29901

Ion Ratio Lower Upper

146 100

111 38.5 26.5 49.1

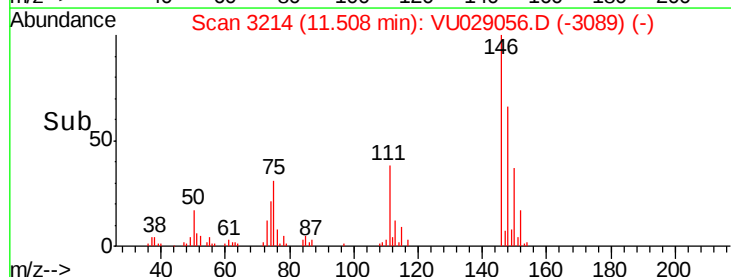
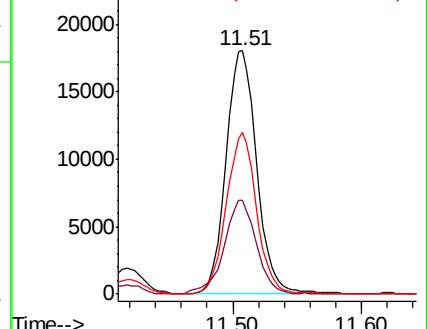
148 66.3 45.1 83.9

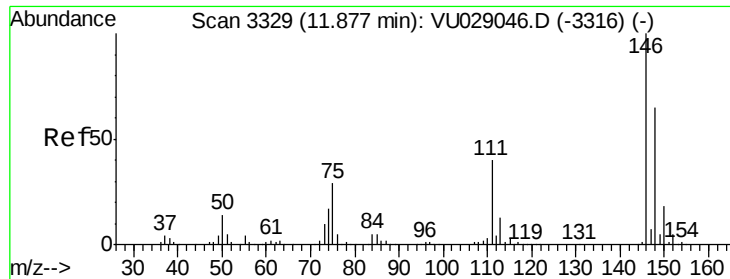


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 12.082 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029056.D

Acq: 07 Jan 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VIBLK41

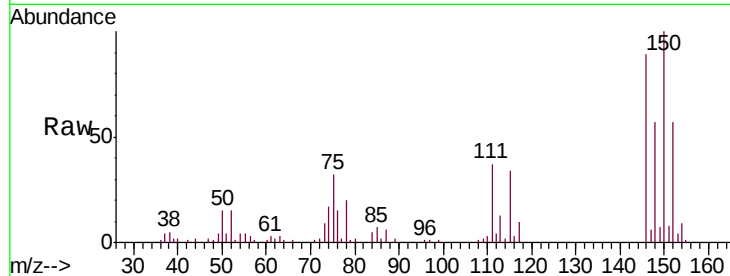
Tgt Ion:146 Resp: 28300

Ion Ratio Lower Upper

146 100

111 41.2 32.1 48.1

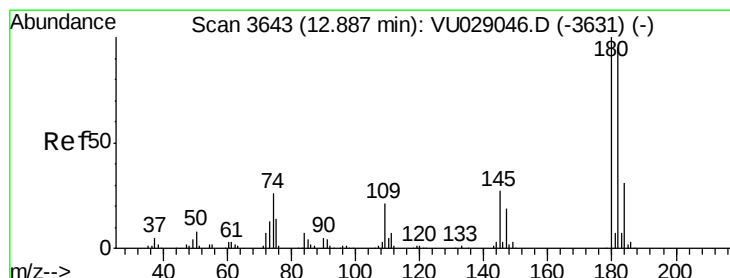
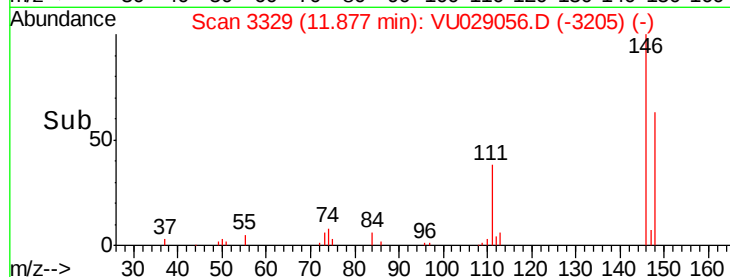
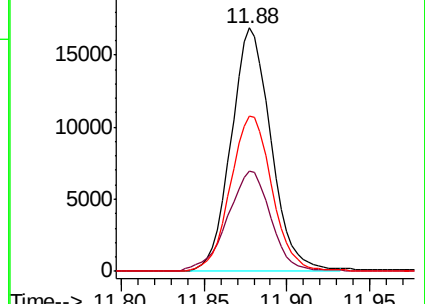
148 63.7 49.7 74.5



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: 5.460 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU029056.D

Acq: 07 Jan 2019 13:46

Tgt Ion:180 Resp: 9039

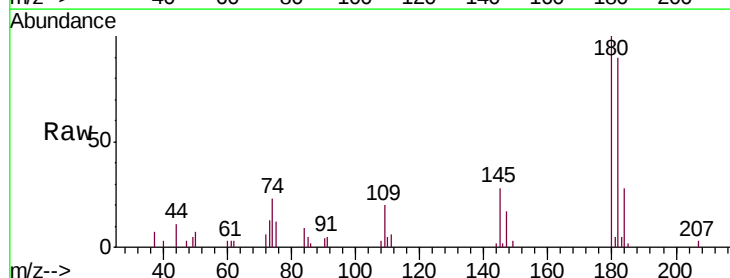
Ion Ratio Lower Upper

180 100

182 94.4 76.4 114.6

184 30.3 24.6 36.8

145 25.3 22.1 33.1

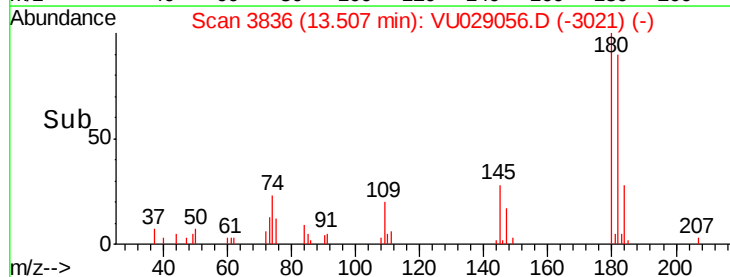
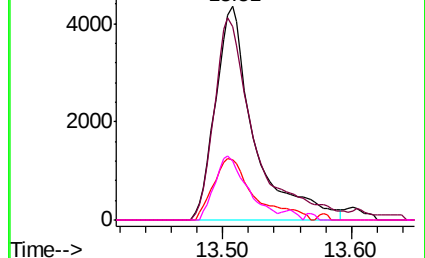


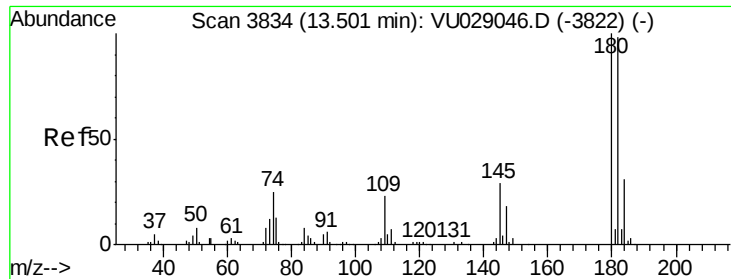
Abundance Ion 180.00 (179.70 to 180.70): V

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

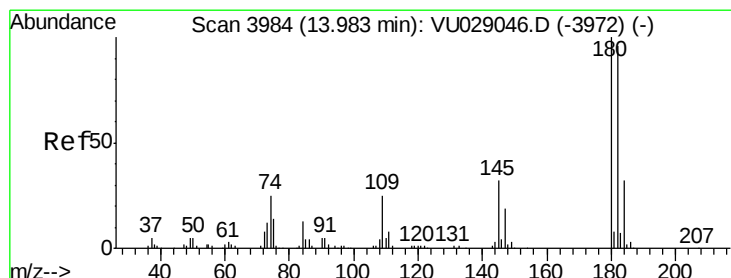
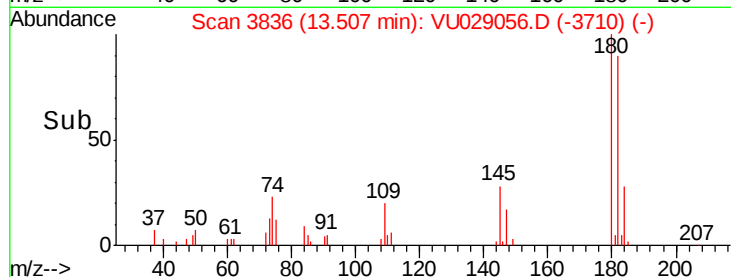
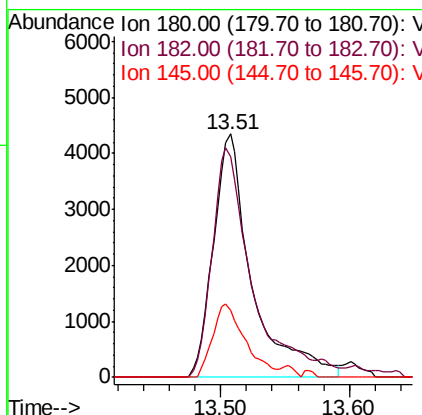
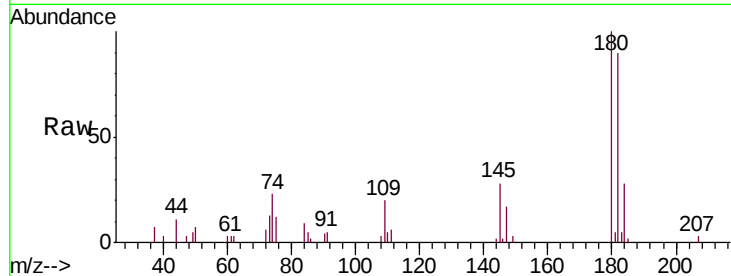




#68
 1,2,4-trichlorobenzene
 Concen: 6.520 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU029056.D
 Acq: 07 Jan 2019 13:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK41

Tgt Ion:180 Resp: 9039
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.4 116.0
 145 25.3 23.5 35.3



#70
 1,2,3-Trichlorobenzene
 Concen: 1.726 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU029056.D
 Acq: 07 Jan 2019 13:46

Tgt Ion:180 Resp: 2580
 Ion Ratio Lower Upper
 180 100
 182 104.9 75.8 113.8
 145 28.6 24.5 36.7

