

Data File : VU029065.D
Acq On : 07 Jan 2019 18:16
Operator : MD/SY
Sample : K1048-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Quant Time: Jan 08 03:16:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 03:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187465	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	173855	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	70306	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68182	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.67	69	54660	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.18%
11) 1,1-Dichloroethene-d2	2.27	63	86587	34.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.52%
21) 2-Butanone-d5	4.17	46	105675	100.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.36%
24) Chloroform-d	4.65	84	112459	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
26) 1,2-Dichloroethane-d4	5.31	65	70756	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
32) Benzene-d6	5.34	84	241718	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.42%
36) 1,2-Dichloropropane-d6	6.33	67	84335	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.08%
41) Toluene-d8	7.56	98	213755	48.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.04%
43) trans-1,3-Dichloropropene-	7.85	79	35386	47.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.66%
47) 2-Hexanone-d5	8.31	63	74937	94.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114983	49.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	72619	51.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.14%

Target Compounds

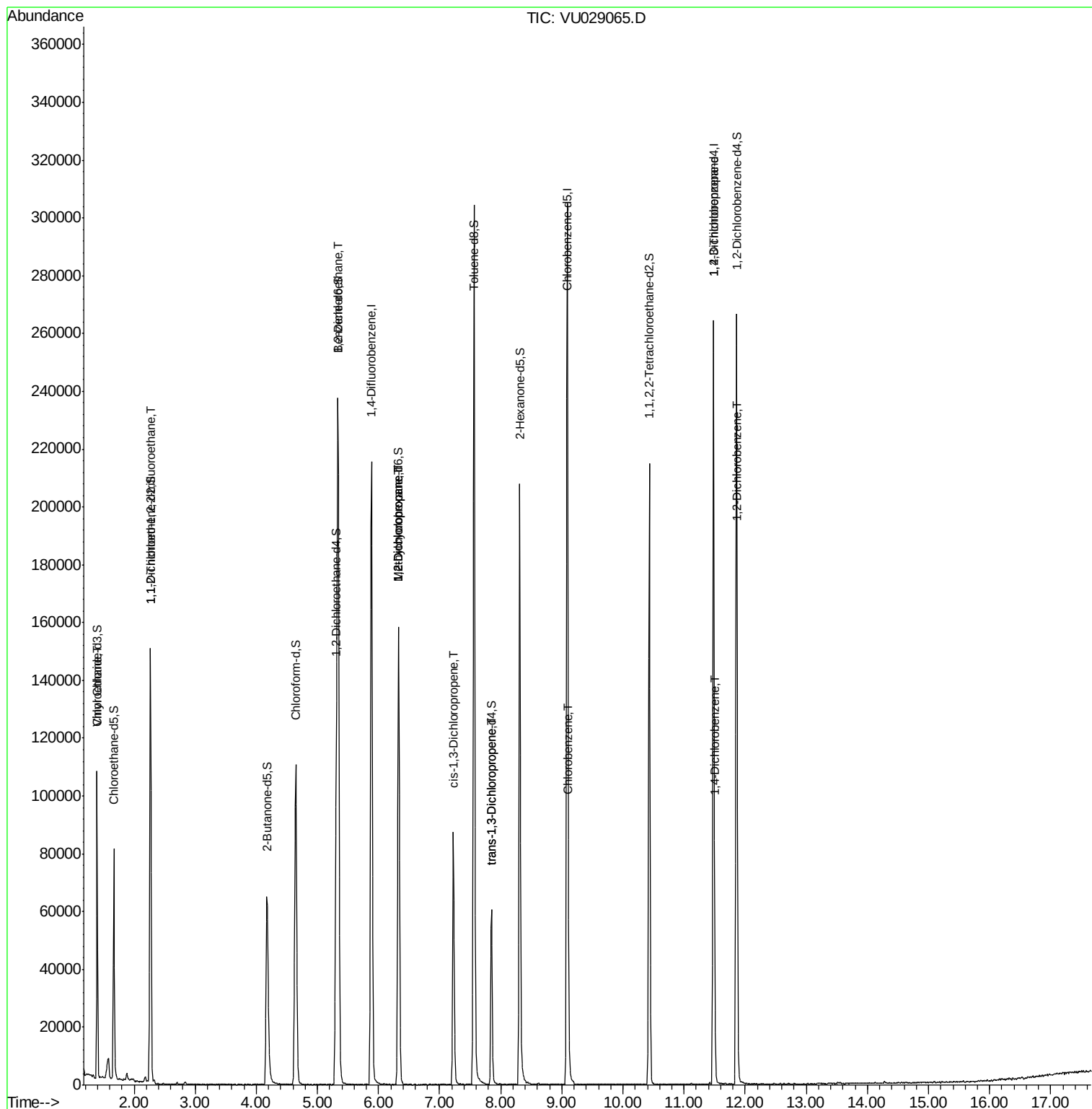
					Qvalue	
8) Chloroethane	1.40	64	1005	0.959	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	845	0.696	ug/L #	20
27) 1,2-Dichloroethane	5.33	62	1156	0.646	ug/L #	74
35) Methylcyclohexane	6.33	83	17757	7.979	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7901	5.107	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1929	0.875	ug/L #	55
44) trans-1,3-Dichloropropene	7.85	75	1348	0.686	ug/L	97
51) Chlorobenzene	9.12	112	4289	1.213	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	9076	4.916	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	3661	1.591	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	4051	1.739	ug/L	95

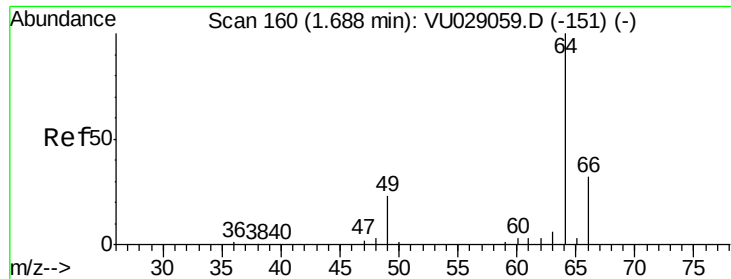
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.959 ug/L

RT: 1.40 min Scan# 69

Delta R.T. -0.29 min

Lab File: VU029065.D

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Instrument :

MSVOA_U

ClientSampleId :

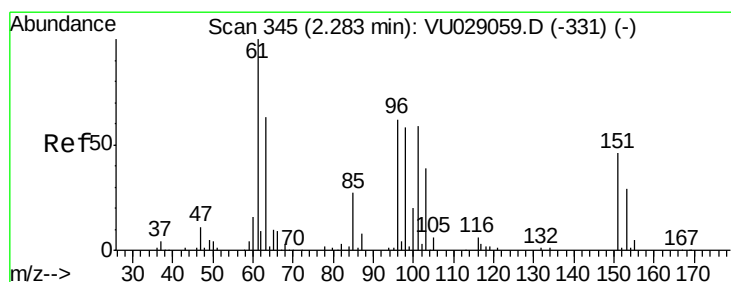
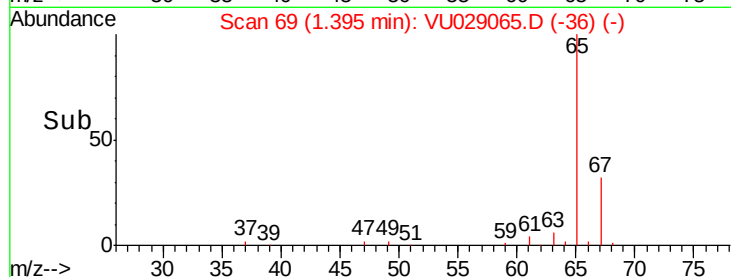
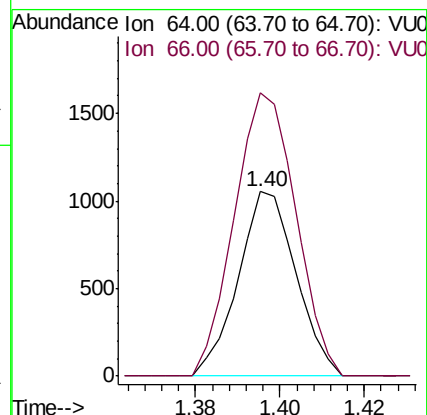
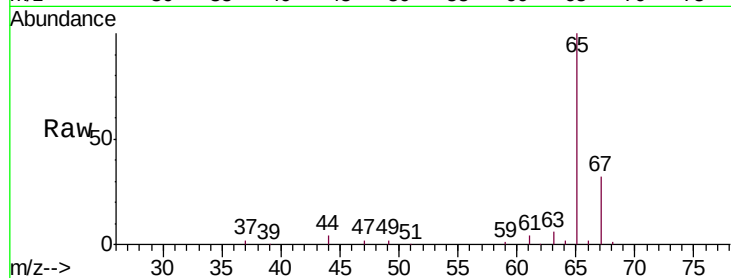
VHBLK01

Tgt Ion: 64 Resp: 1005

Ion Ratio Lower Upper

64 100

66 153.6 21.5 39.9#



#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: VU029065.D

Acq: 07 Jan 2019 18:16

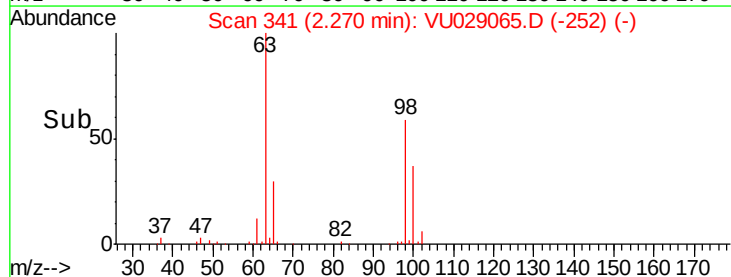
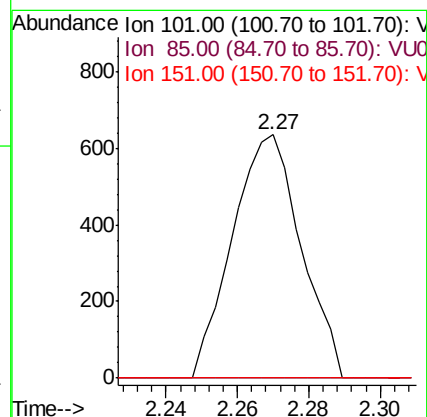
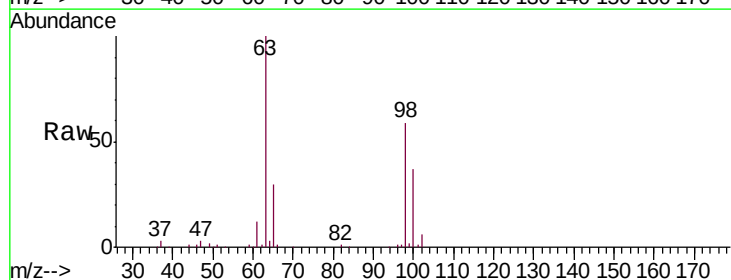
Tgt Ion: 101 Resp: 845

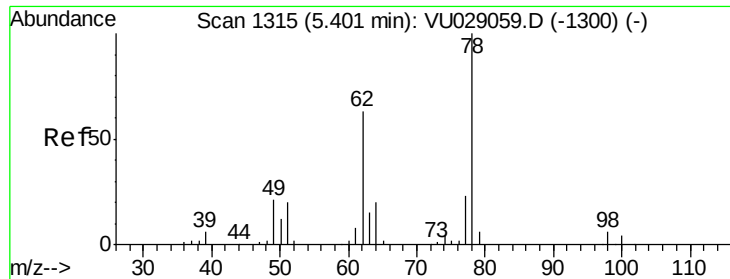
Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 59.4 89.0#





#27

1,2-Dichloroethane

Concen: 0.646 ug/L

RT: 5.33 min Scan# 1294

Delta R.T. -0.07 min

Lab File: VU029065.D

Acq: 07 Jan 2019 18:16

Instrument :

MSVOA_U

ClientSampleId :

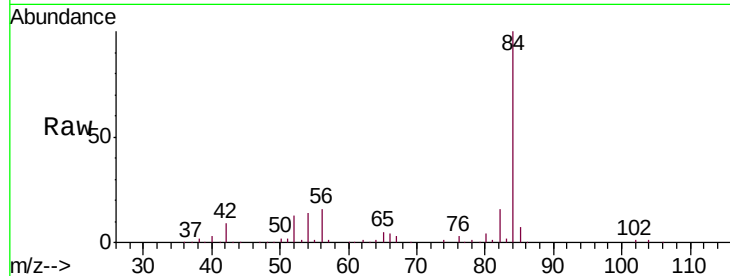
VHBLK01

Tgt Ion: 62 Resp: 1156

Ion Ratio Lower Upper

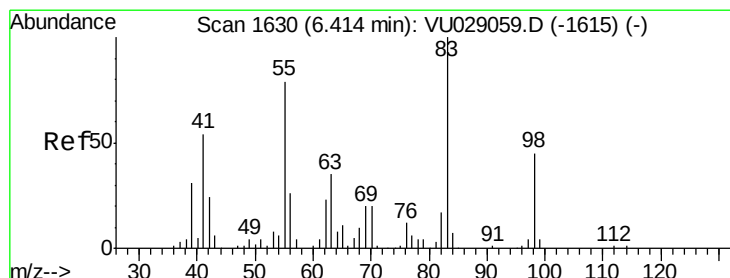
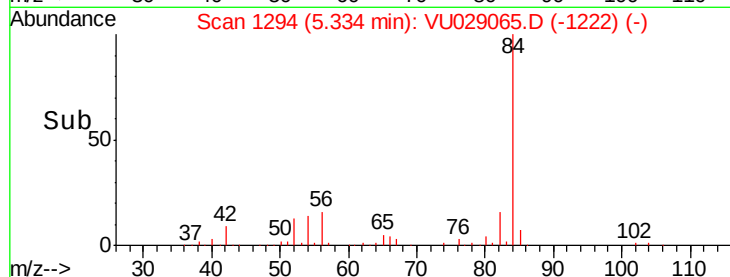
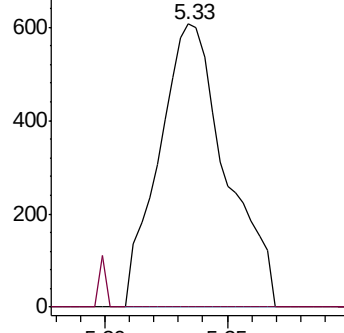
62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#35

Methylcyclohexane

Concen: 7.979 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.09 min

Lab File: VU029065.D

Acq: 07 Jan 2019 18:16

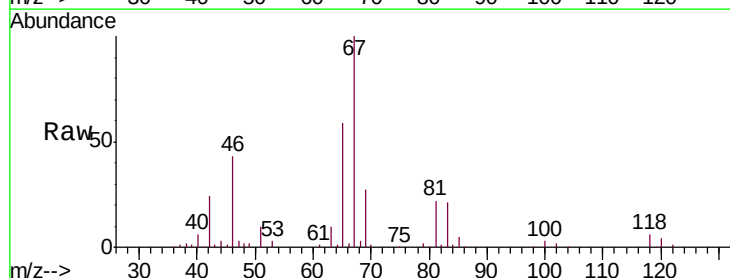
Tgt Ion: 83 Resp: 17757

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

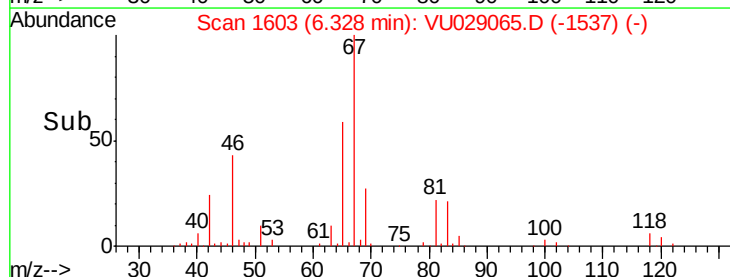
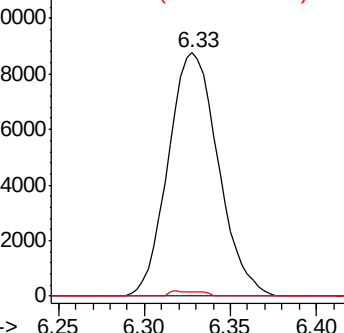
98 0.7 35.6 53.4#

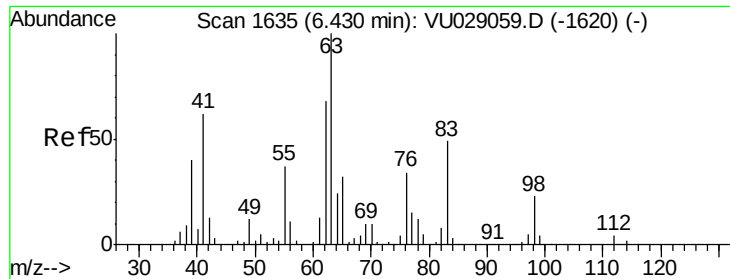


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

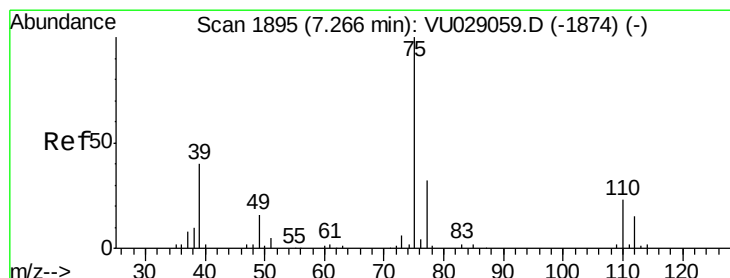
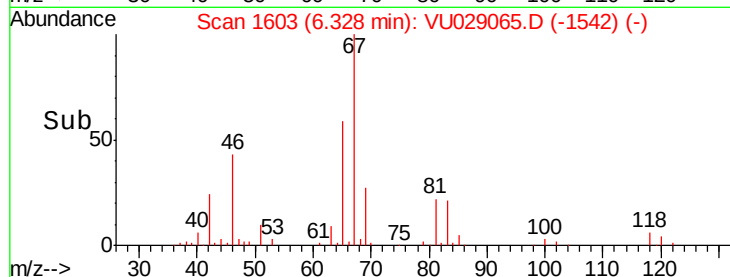
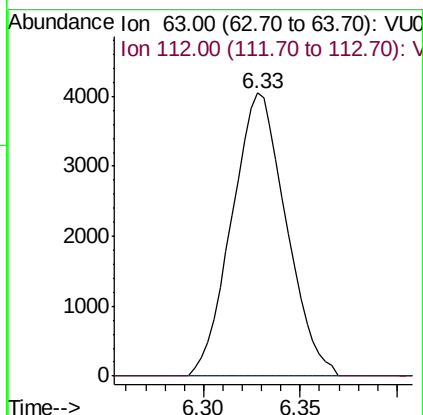
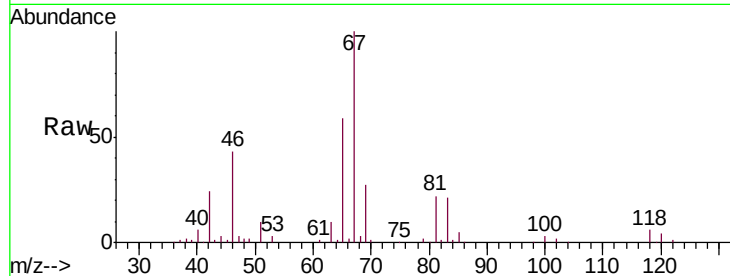




#37
 1,2-Dichloropropane
 Concen: 5.107 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU029065.D
 Acq: 07 Jan 2019 18:16

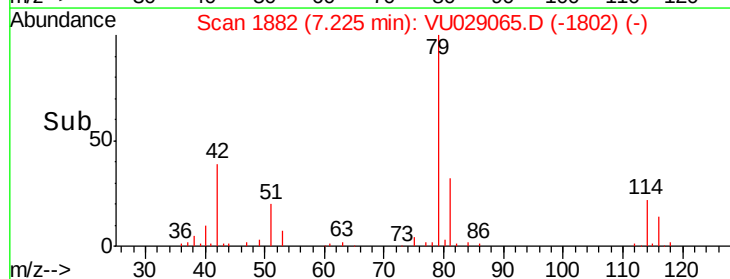
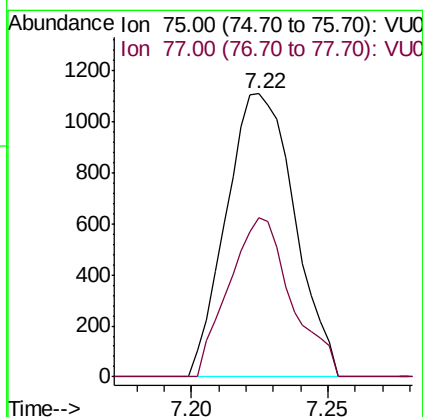
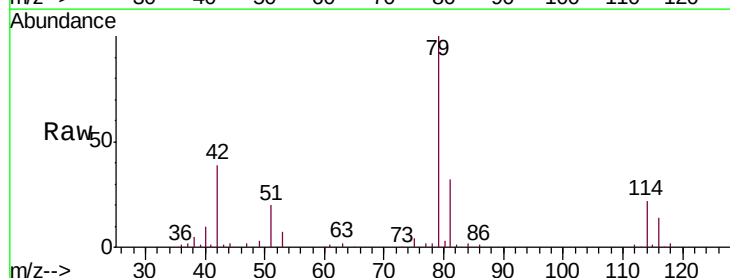
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

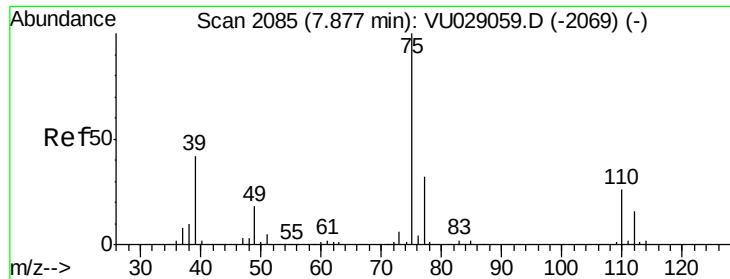
Tgt Ion: 63 Resp: 7901
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.875 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU029065.D
 Acq: 07 Jan 2019 18:16

Tgt Ion: 75 Resp: 1929
 Ion Ratio Lower Upper
 75 100
 77 56.1 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.686 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU029065.D

Acq: 07 Jan 2019 18:16

Instrument :

MSVOA_U

ClientSampleId :

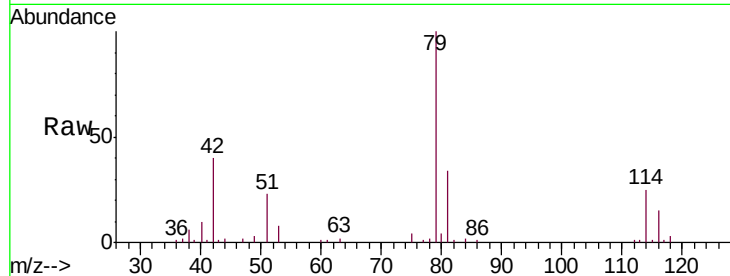
VHBLK01

Tgt Ion: 75 Resp: 1348

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU029065.D (-1992) (-)

Ion 77.00 (76.70 to 77.70): VU029065.D (-1992) (-)

7.85

800

600

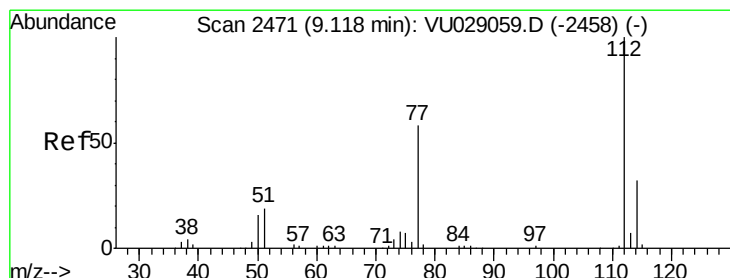
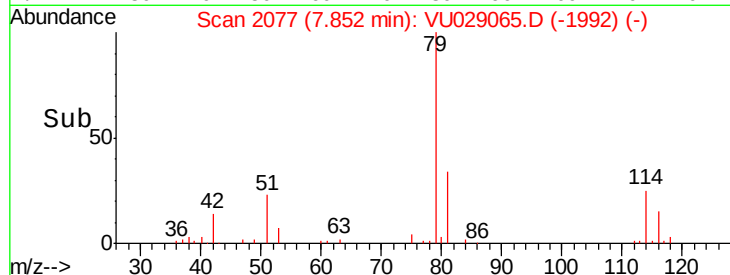
400

200

0

7.82 7.84 7.86 7.88

Time-->



#51

Chlorobenzene

Concen: 1.213 ug/L

RT: 9.12 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VU029065.D

Acq: 07 Jan 2019 18:16

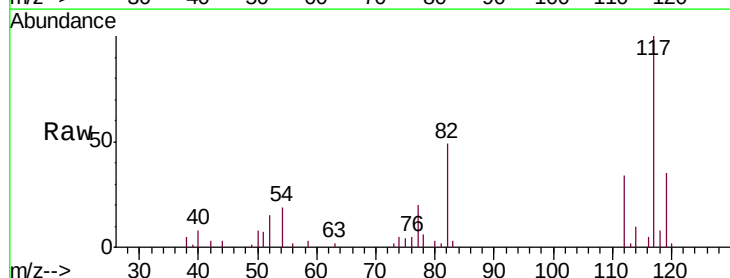
Tgt Ion: 112 Resp: 4289

Ion Ratio Lower Upper

112 100

114 29.0 22.2 41.2

77 58.7 47.8 71.8



Abundance Ion 112.00 (111.70 to 112.70): VU029065.D (-2378) (-)

Ion 114.00 (113.70 to 114.70): VU029065.D (-2378) (-)

Ion 77.00 (76.70 to 77.70): VU029065.D (-2378) (-)

9.12

3000

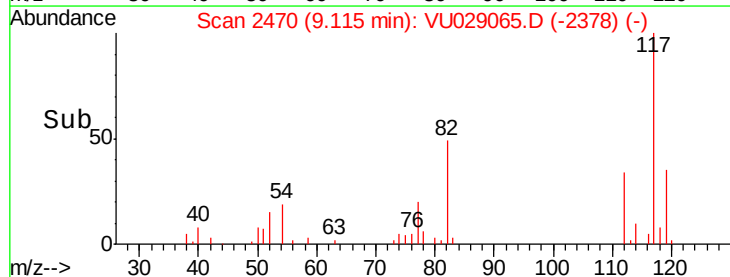
2000

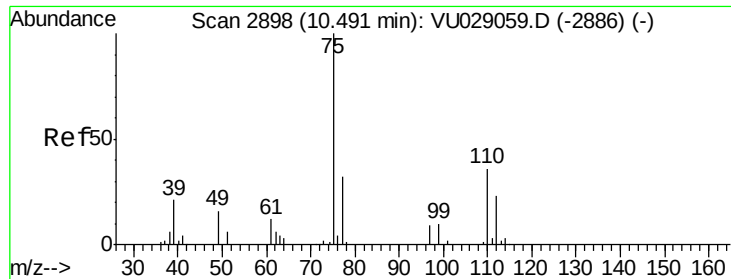
1000

0

9.10 9.15

Time-->

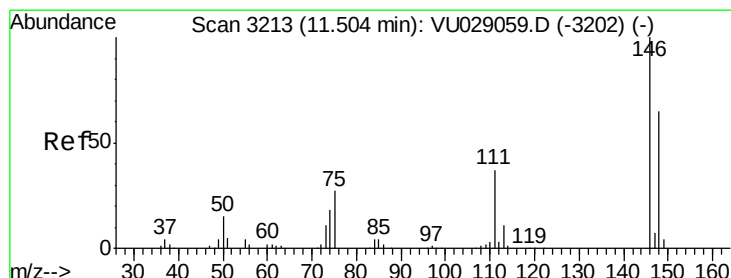
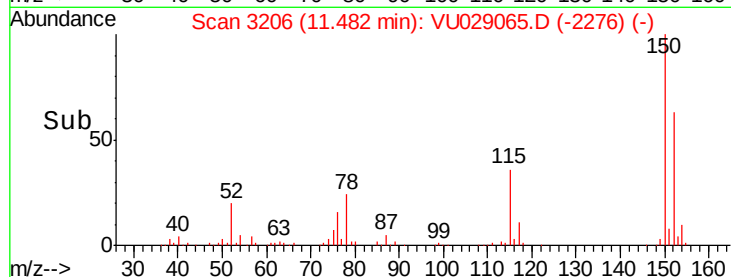
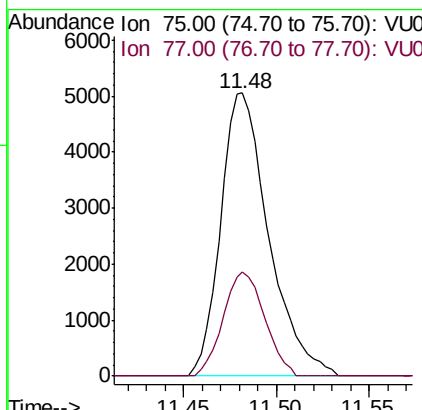
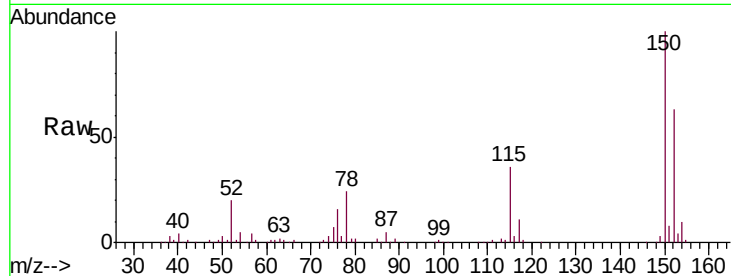




#59
 1,2,3-Trichloropropane
 Concen: 4.916 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU029065.D
 Acq: 07 Jan 2019 18:16

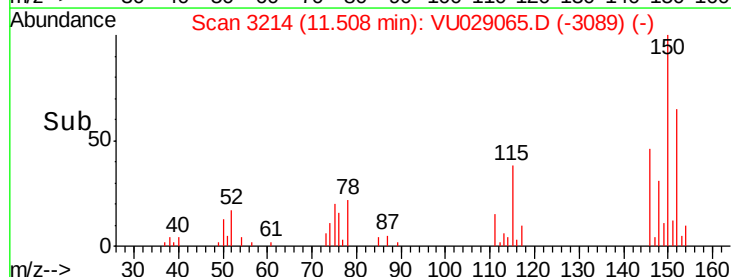
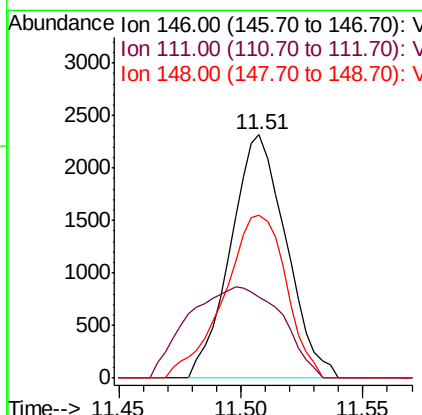
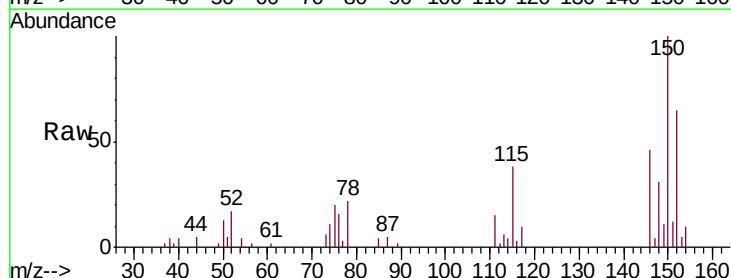
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

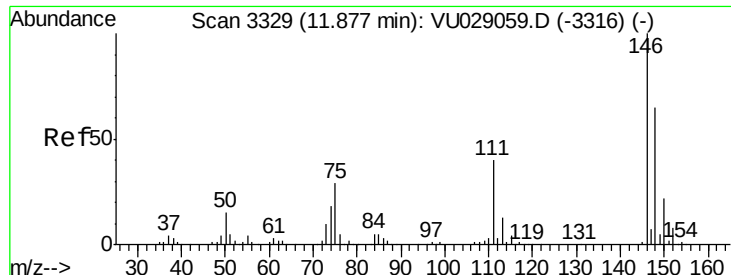
Tgt Ion: 75 Resp: 9076
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3



#63
 1,4-Dichlorobenzene
 Concen: 1.591 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029065.D
 Acq: 07 Jan 2019 18:16

Tgt Ion: 146 Resp: 3661
 Ion Ratio Lower Upper
 146 100
 111 33.4 26.5 49.1
 148 66.7 45.1 83.9

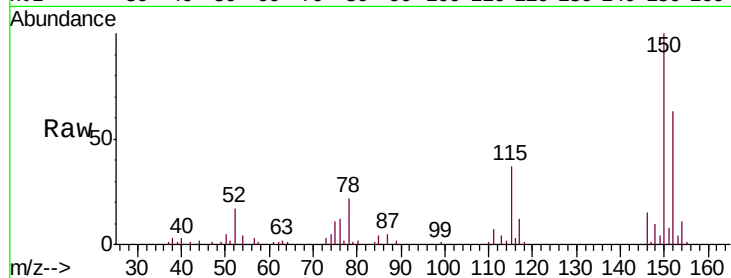




#65
 1,2-Dichlorobenzene
 Concen: 1.739 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029065.D
 Acq: 07 Jan 2019 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Tgt Ion:146 Resp: 4051
 Ion Ratio Lower Upper
 146 100
 111 44.8 32.1 48.1
 148 64.4 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

