

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040465.D
 Acq On : 02 Oct 2020 17:30
 Operator : SY/MD
 Sample : VIBLK701
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK70

Quant Time: Oct 03 00:19:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126765	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124285	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58094	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	34501	5.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.00%
7) Chloroethane-d5	1.92	69	28487	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.58	63	55561	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.65	46	142804	45.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.62%
24) Chloroform-d	5.08	84	69215	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.72	65	44468	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.74	84	137758	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
36) 1,2-Dichloropropane-d6	6.70	67	47512	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.90	98	116681	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
43) trans-1,3-Dichloropropene-	8.19	79	19246	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.64	63	101140	46.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40784	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	46738	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
8) Chloroethane	1.93	64	430	0.059 ug/L #	61
16) Methylene chloride	3.06	84	8042	0.663 ug/L	92
25) Chloroform	5.10	83	4216	0.202 ug/L	91
35) Methylcyclohexane	6.70	83	10734	0.662 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5520	0.476 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1574	0.101 ug/L #	78
44) trans-1,3-Dichloropropene	8.18	75	1157	0.081 ug/L	95
48) 2-Hexanone	8.69	43	4889	0.730 ug/L #	96
56) Isopropylbenzene	10.48	105	1092	0.025 ug/L #	71
63) 1,4-Dichlorobenzene	11.83	146	1187	0.059 ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	1200	0.064 ug/L #	82
67) 1,3,5-Trichlorobenzene	13.83	180	1645	0.120 ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	1645	0.149 ug/L	99
69) Naphthalene	14.08	128	3836	0.203 ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	1451	0.144 ug/L #	83

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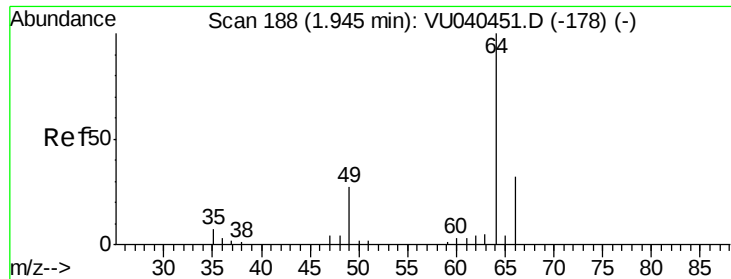
Instrument :
MSVOA_U
ClientSampleId :
VIBLK70

Quant Time: Oct 03 00:19:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 03 00:09:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100220\  
Data File : VU040465.D  
Acq On    : 02 Oct 2020 17:30  
Operator  : SY/MD  
Sample    : VIBLK701  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 18 Sample Multiplier: 1
```



#8

Chloroethane

Concen: 0.059 ug/L

RT: 1.93 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU040465.D

Acq: 02 Oct 2020 17:30

Instrument :

MSVOA_U

ClientSampleId :

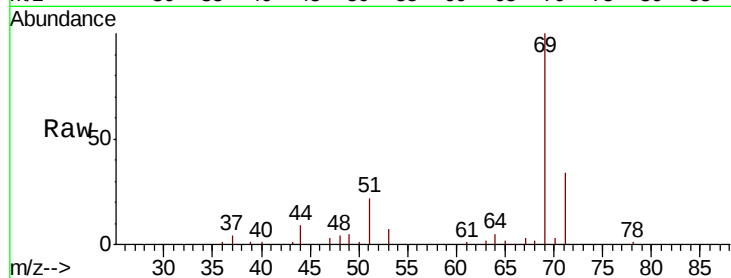
VIBLK70

Tot Ion: 64 Resp: 430

Ion Ratio Lower Upper

64 100

66 9.1 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1500

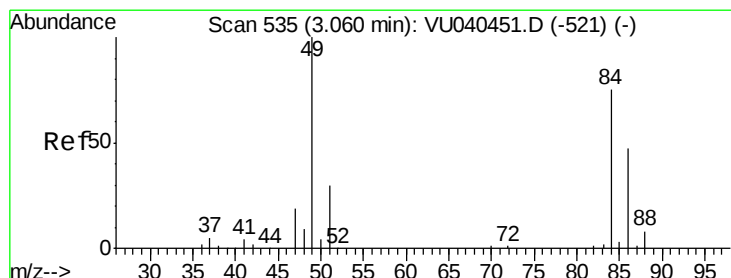
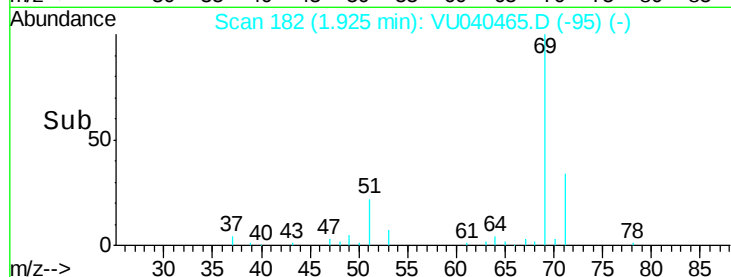
1000

500

0

1.91 1.92 1.93 1.94 1.95

Time-->



#16

Methylene chloride

Concen: 0.663 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040465.D

Acq: 02 Oct 2020 17:30

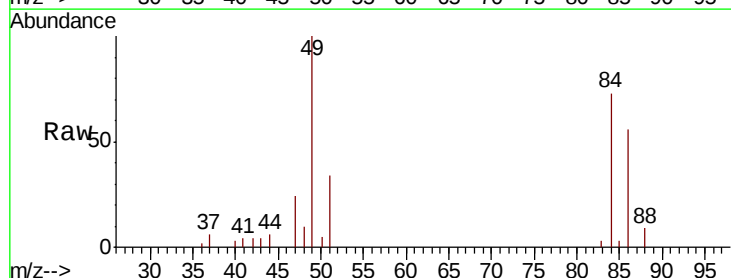
Tgt Ion: 84 Resp: 8042

Ion Ratio Lower Upper

84 100

86 76.2 44.4 82.5

49 136.5 92.2 171.2



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

6000

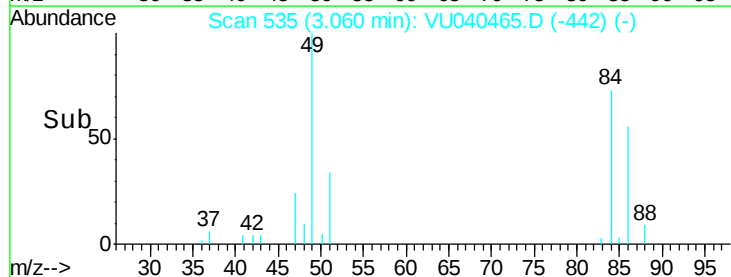
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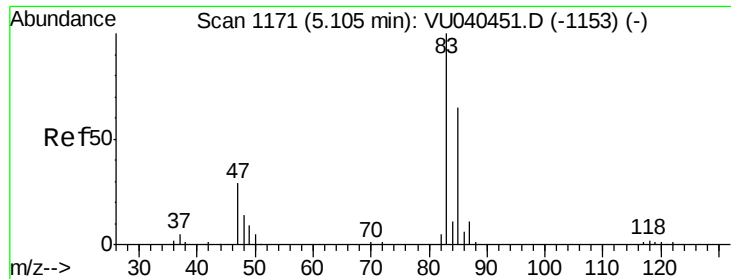
2000

0

3.00 3.05 3.10

Time-->

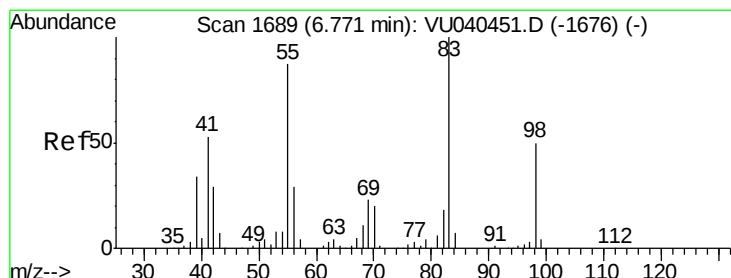
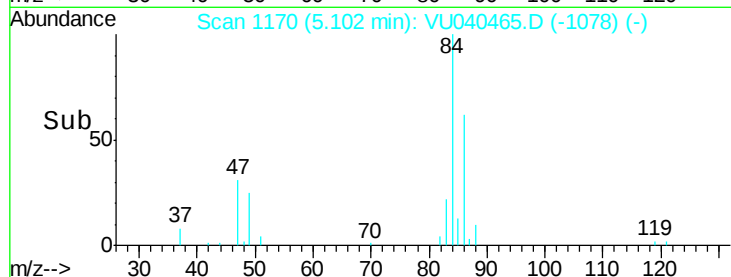
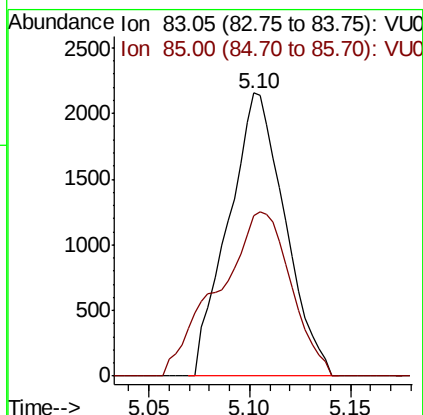
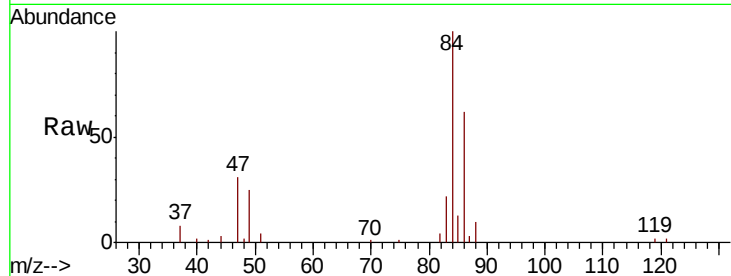




#25
Chloroform
Concen: 0.202 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040465.D
Acq: 02 Oct 2020 17:30

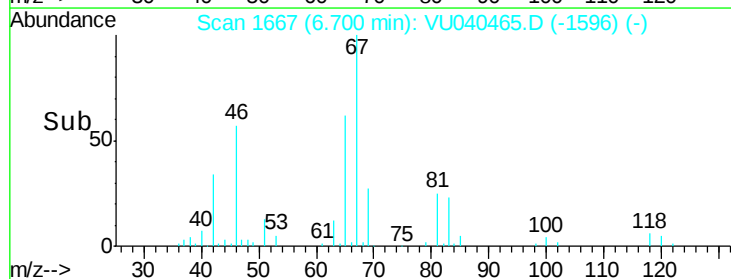
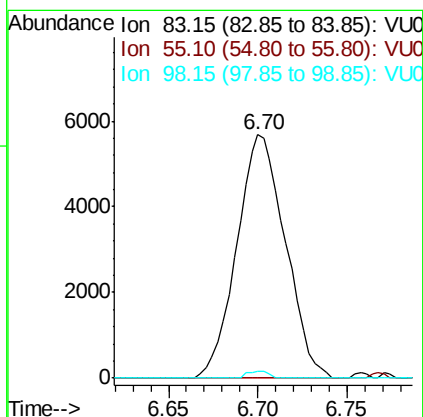
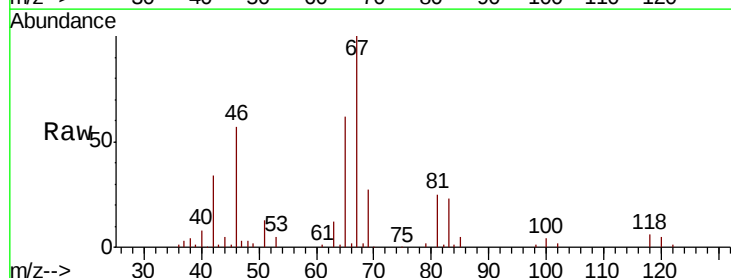
Instrument :
MSVOA_U
ClientSampleId :
VIBLK70

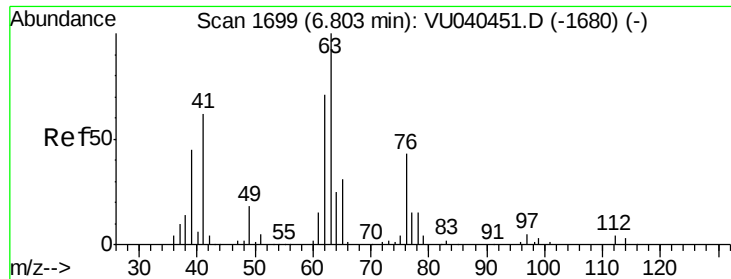
Tot Ion: 83 Resp: 4216
Ion Ratio Lower Upper
83 100
85 56.6 44.6 82.8



#35
Methylcyclohexane
Concen: 0.662 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040465.D
Acq: 02 Oct 2020 17:30

Tgt Ion: 83 Resp: 10734
Ion Ratio Lower Upper
83 100
55 0.6 71.4 107.2#
98 1.2 38.5 57.7#

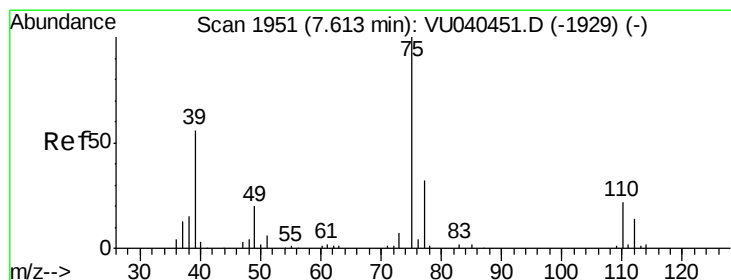
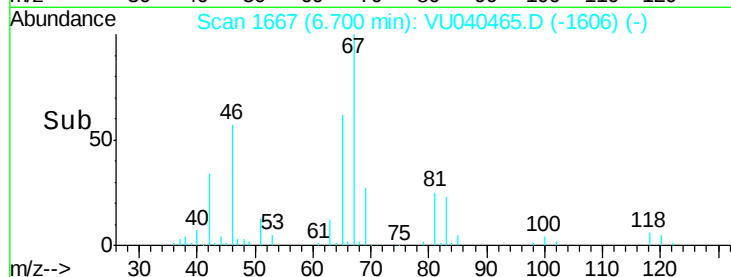
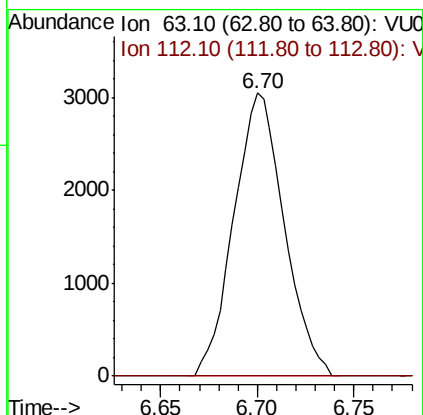
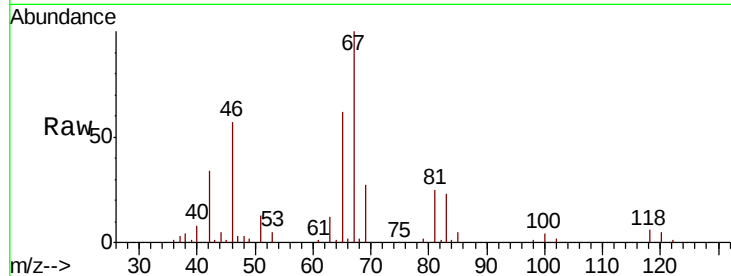




#37
 1,2-Dichloropropane
 Concen: 0.476 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040465.D
 Acq: 02 Oct 2020 17:30

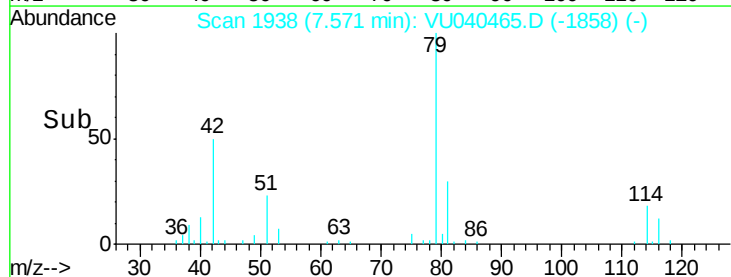
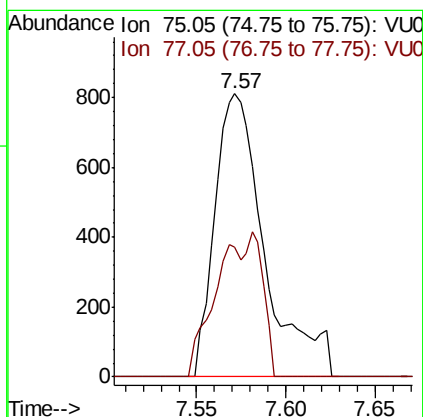
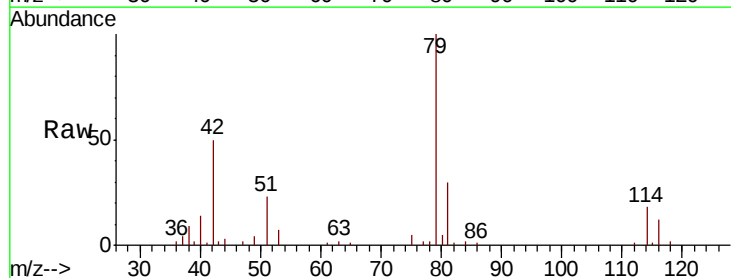
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK70

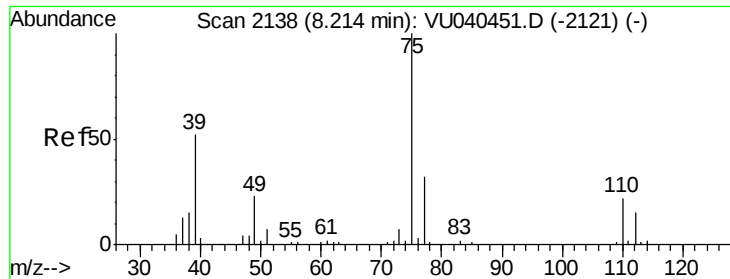
Tot Ion: 63 Resp: 5520
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040465.D
 Acq: 02 Oct 2020 17:30

Tgt Ion: 75 Resp: 1574
 Ion Ratio Lower Upper
 75 100
 77 46.0 23.5 43.7#





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040465.D

Acq: 02 Oct 2020 17:30

Instrument :

MSVOA_U

ClientSampleId :

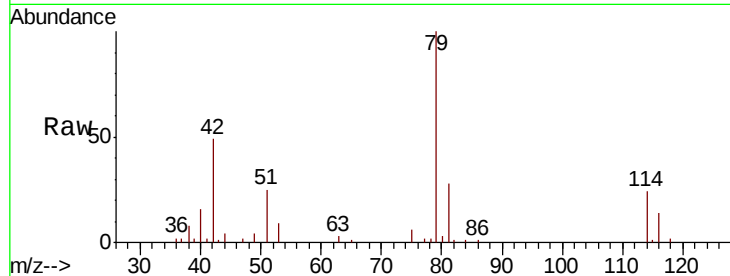
VIBLK70

Tot Ion: 75 Resp: 1157

Ion Ratio Lower Upper

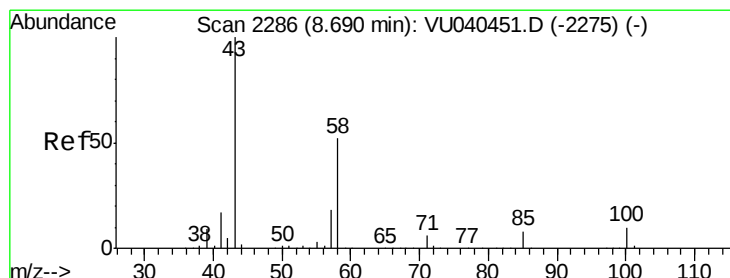
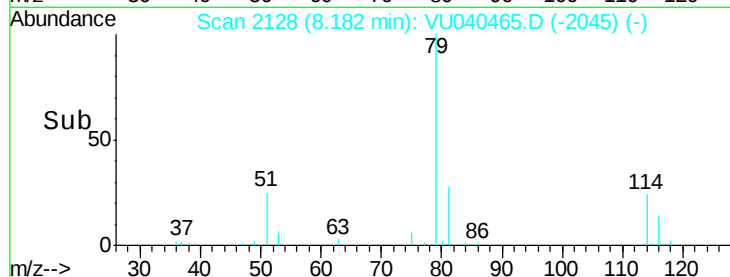
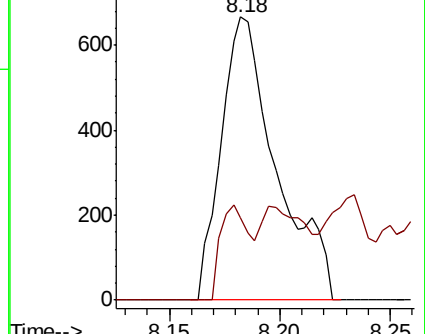
75 100

77 29.3 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 0.730 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU040465.D

Acq: 02 Oct 2020 17:30

Tgt Ion: 43 Resp: 4889

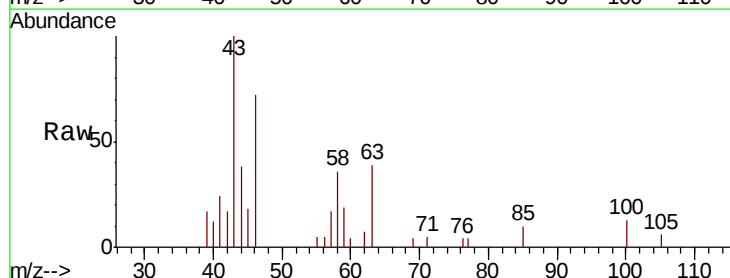
Ion Ratio Lower Upper

43 100

58 49.9 41.0 61.4

57 22.3 14.6 22.0#

100 8.1 8.2 12.4#

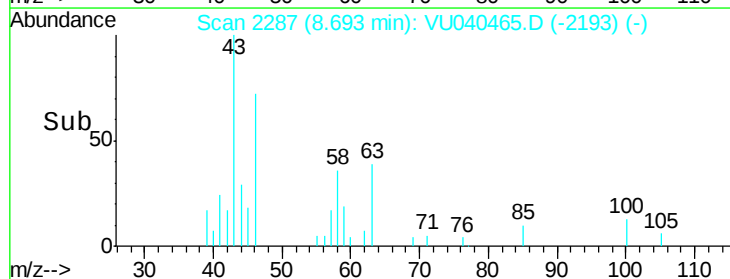
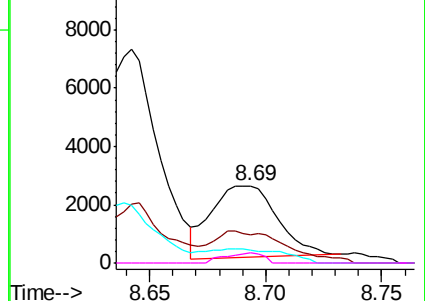


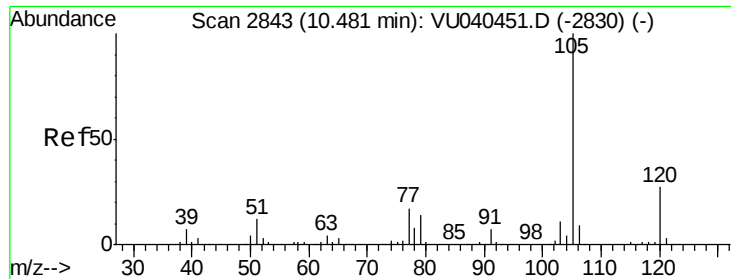
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#56

Isopropylbenzene

Concen: 0.025 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040465.D

Acq: 02 Oct 2020 17:30

Instrument :

MSVOA_U

ClientSampled :

VIBLK70

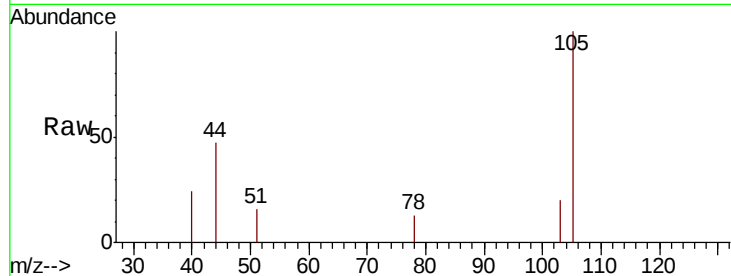
Tot Ion:105 Resp: 1092

Ion Ratio Lower Upper

105 100

120 11.7 20.6 30.8#

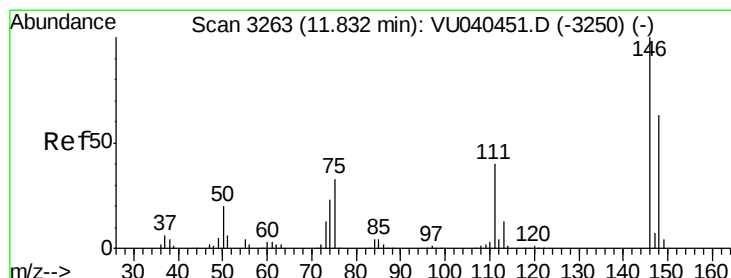
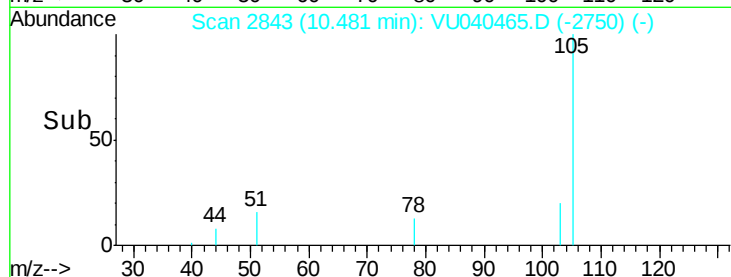
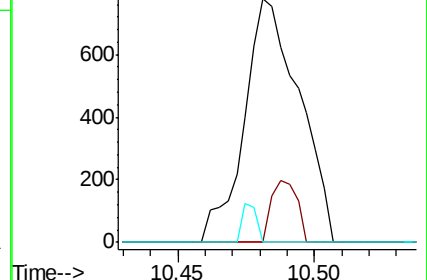
77 4.2 14.3 21.5#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#63

1,4-Dichlorobenzene

Concen: 0.059 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU040465.D

Acq: 02 Oct 2020 17:30

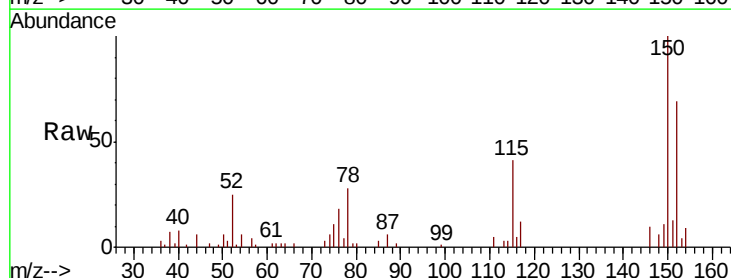
Tgt Ion:146 Resp: 1187

Ion Ratio Lower Upper

146 100

111 47.5 29.2 54.2

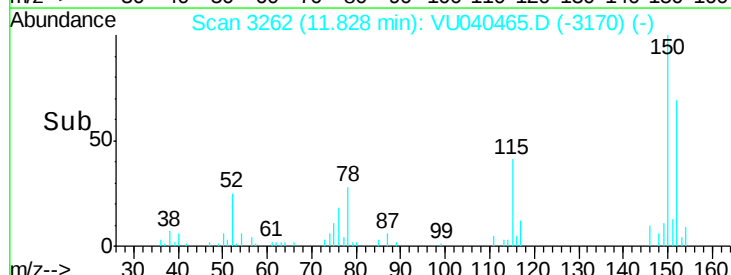
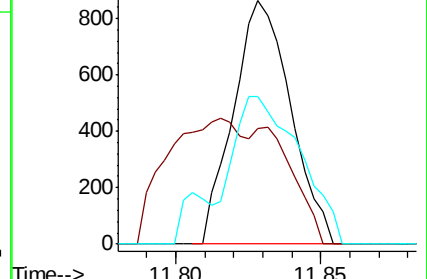
148 60.4 44.4 82.4

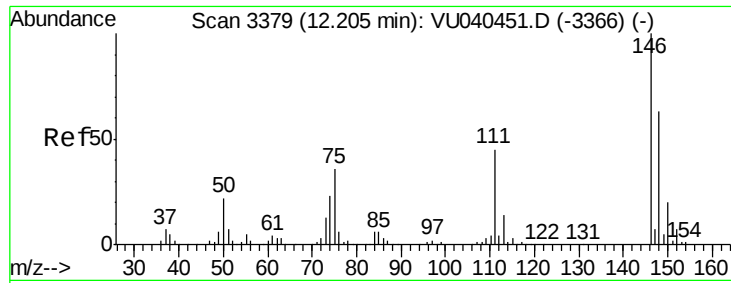


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.064 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040465.D

Acq: 02 Oct 2020 17:30

Instrument :

MSVOA_U

ClientSampleId :

VIBLK70

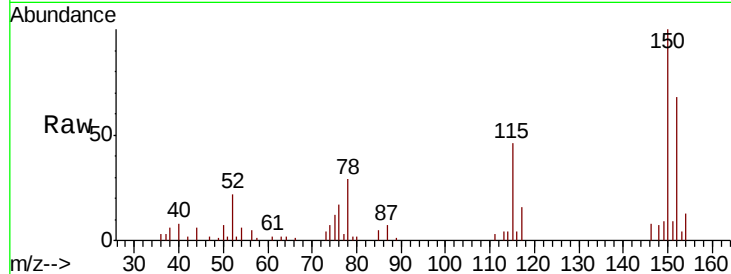
Tot Ion:146 Resp: 1200

Ion Ratio Lower Upper

146 100

111 36.5 35.6 53.4

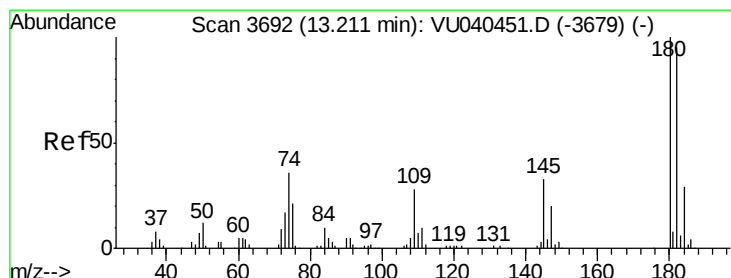
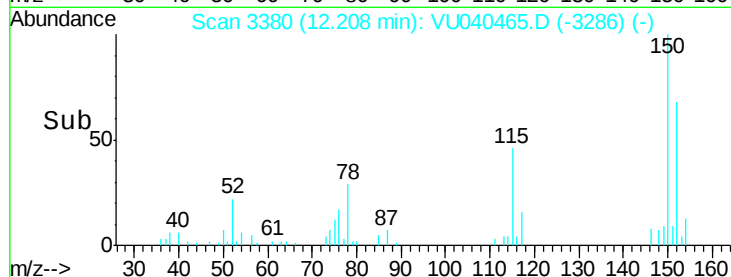
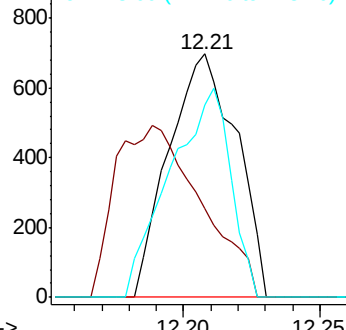
148 78.8 49.8 74.6#



Abundance Ion 145.95 (145.65 to 146.65): 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: 0.120 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.62 min

Lab File: VU040465.D

Acq: 02 Oct 2020 17:30

Tgt Ion:180 Resp: 1645

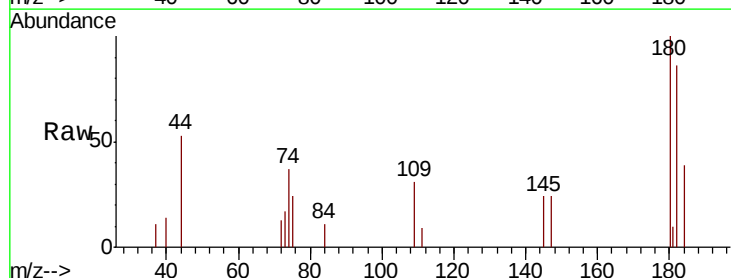
Ion Ratio Lower Upper

180 100

182 97.3 76.5 114.7

184 31.7 24.6 37.0

145 32.8 25.8 38.8

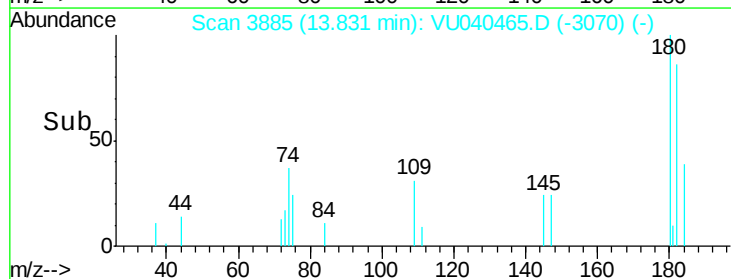
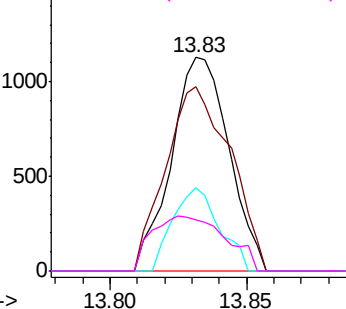


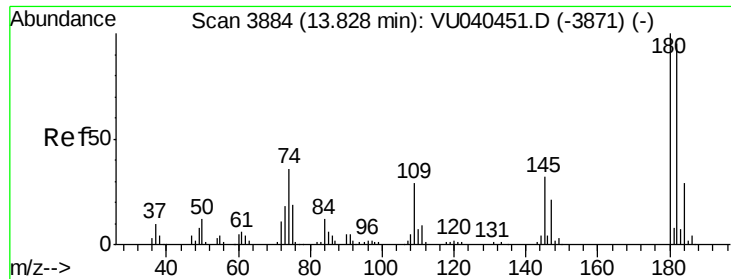
Abundance Ion 180.00 (179.70 to 180.70): V

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

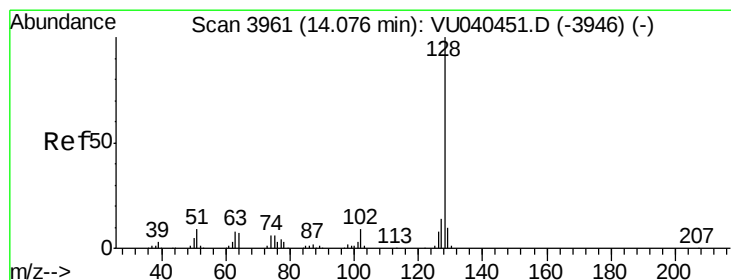
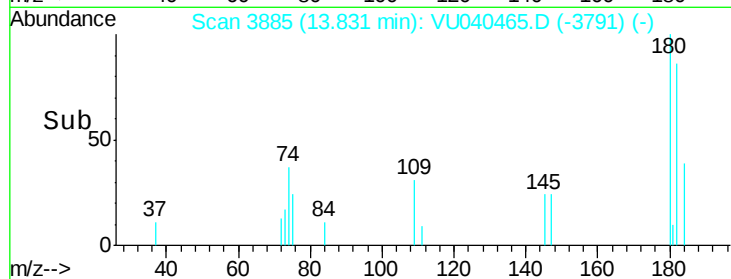
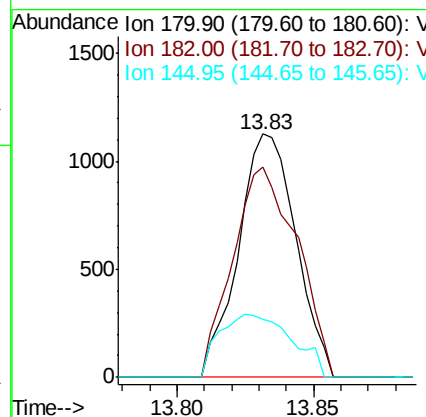
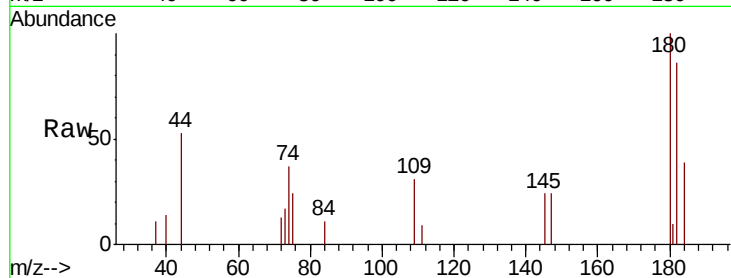




#68
 1,2,4-trichlorobenzene
 Concen: 0.149 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040465.D
 Acq: 02 Oct 2020 17:30

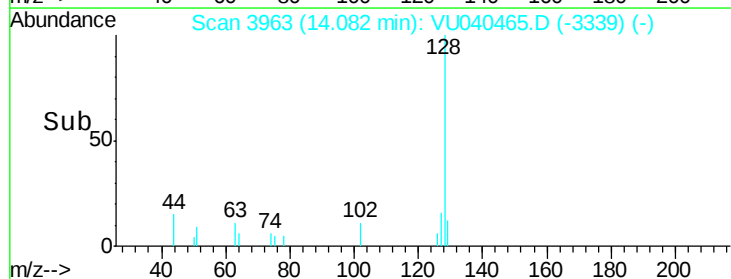
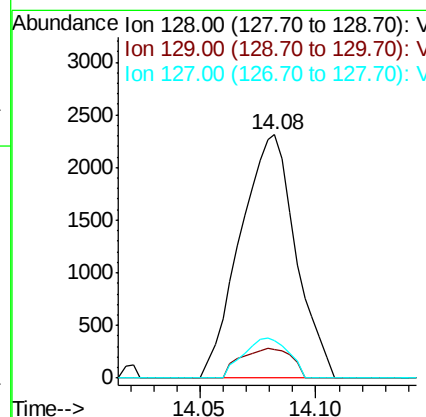
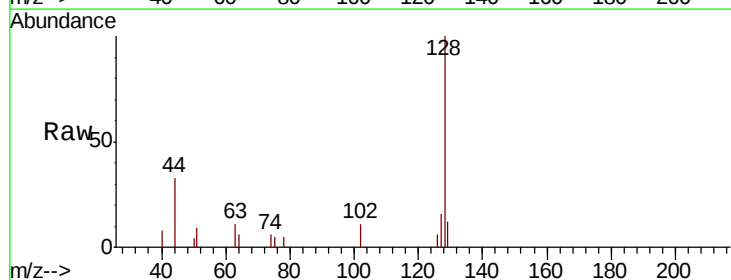
Instrument :
 MSVOA_U
 ClientSampled :
 VIBLK70

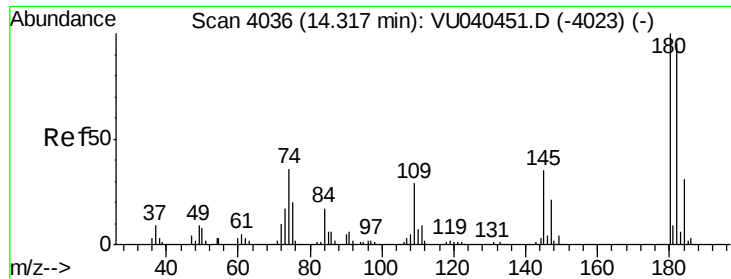
Tot Ion:180 Resp: 1645
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.6 115.0
 145 32.8 26.3 39.5



#69
 Naphthalene
 Concen: 0.203 ug/L
 RT: 14.08 min Scan# 3963
 Delta R.T. 0.01 min
 Lab File: VU040465.D
 Acq: 02 Oct 2020 17:30

Tgt Ion:128 Resp: 3836
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.2 12.4
 127 13.3 10.2 15.4

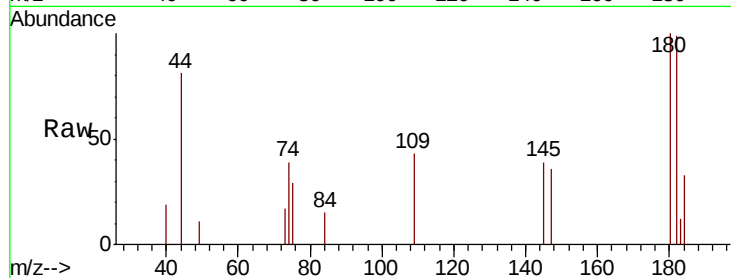




#70
 1,2,3-Trichlorobenzene
 Concen: 0.144 ug/L
 RT: 14.32 min Scan# 4037
 Delta R.T. 0.00 min
 Lab File: VU040465.D
 Acq: 02 Oct 2020 17:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK70

Tot Ion:180 Resp: 1451
 Ion Ratio Lower Upper
 180 100
 182 113.0 76.6 115.0
 145 43.8 27.8 41.6#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

