

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041704.D
 Acq On : 21 Dec 2020 16:35
 Operator : SY/MD
 Sample : VIBLK07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK07

Quant Time: Dec 22 02:52:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 02:49:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	134753	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119953	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52131	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44348	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.92	69	44224	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.40%
11) 1,1-Dichloroethene-d2	2.57	63	66975	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.66	46	193542	63.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.92%
24) Chloroform-d	5.08	84	89382	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.72	65	55211	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.74	84	186011	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	6.70	67	57489	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.90	98	142561	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.19	79	25642	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	8.64	63	155569	58.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	64938	6.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	132.80%#
64) 1,2-Dichlorobenzene-d4	12.19	152	52494	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

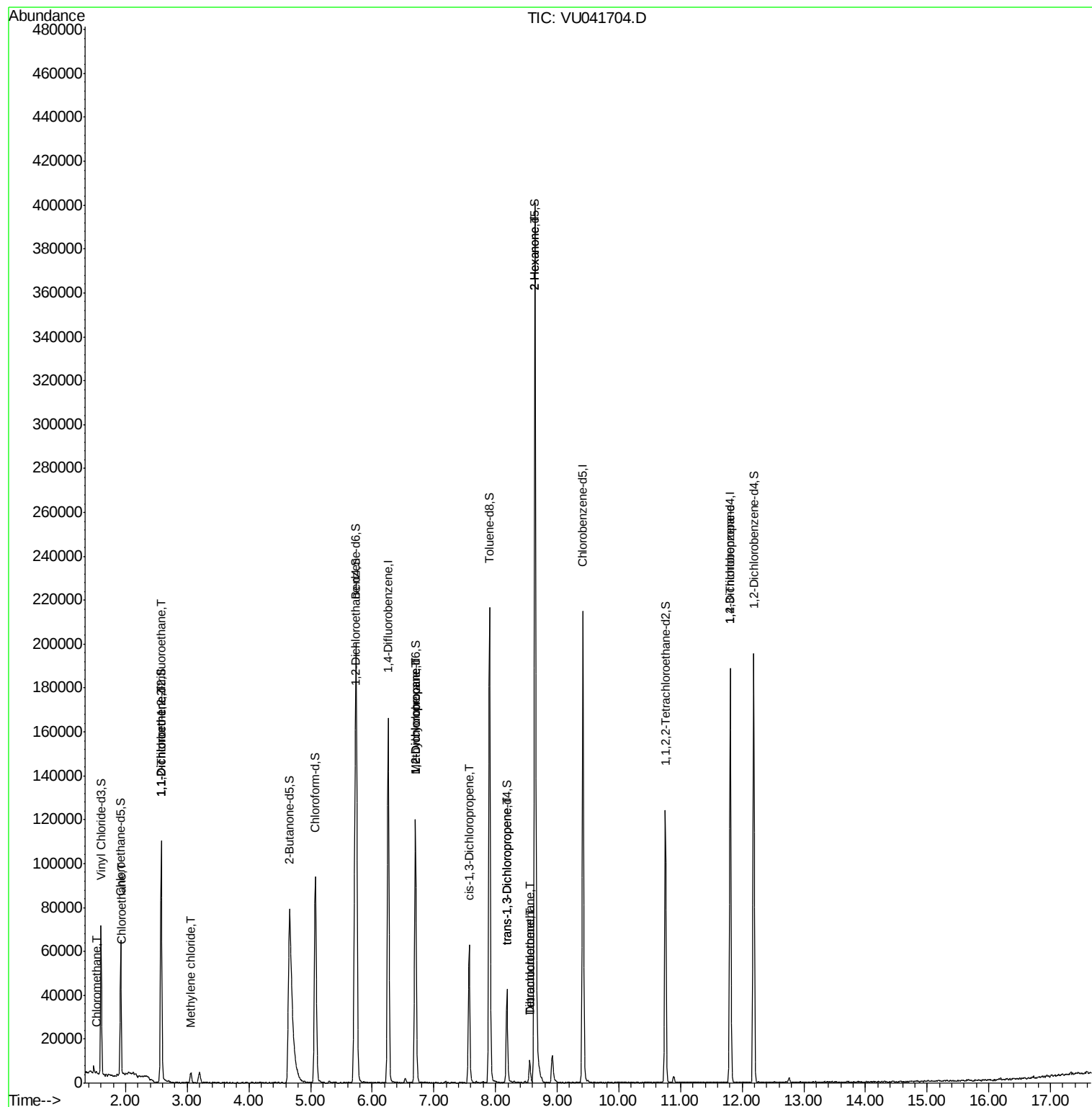
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	819	0.074	ug/L	85
8) Chloroethane	1.94	64	270	0.032	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	613	0.066	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	491	0.054	ug/L #	1
16) Methylene chloride	3.06	84	2578	0.236	ug/L	80
35) Methylcyclohexane	6.70	83	13536	0.869	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6518	0.664	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1453	0.100	ug/L #	76
44) trans-1,3-Dichloropropene	8.19	75	993	0.076	ug/L #	77
47) Tetrachloroethene	8.56	164	2480	0.367	ug/L	81
48) 2-Hexanone	8.64	43	17310	3.406	ug/L #	66
49) Dibromochloromethane	8.56	129	2179	0.261	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5580	0.757	ug/L	98

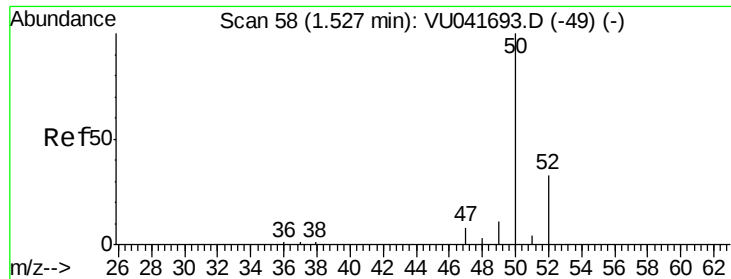
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.074 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041704.D

Acq: 21 Dec 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

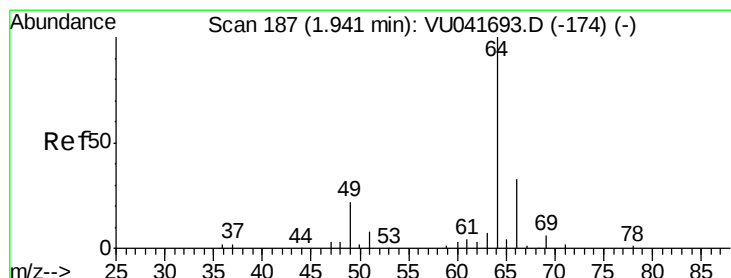
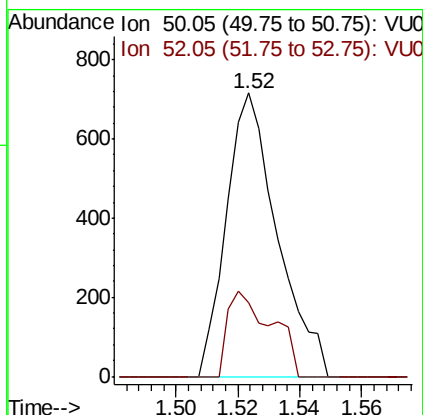
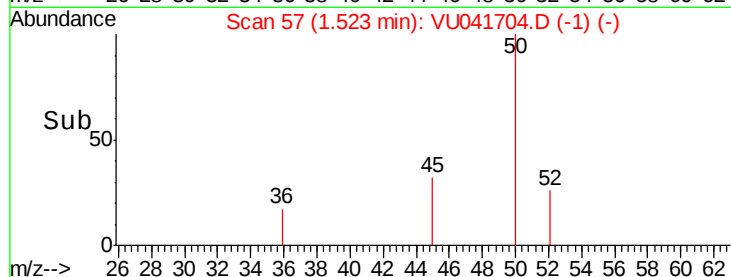
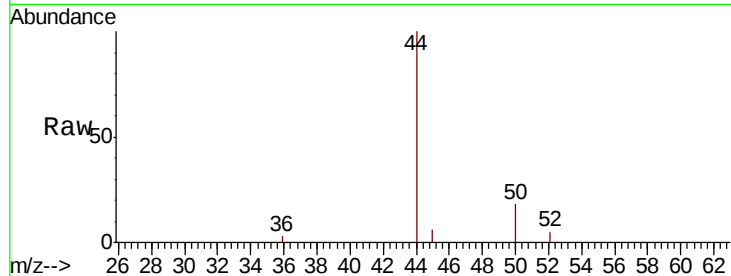
VIBLK07

Tot Ion: 50 Resp: 819

Ion Ratio Lower Upper

50 100

52 25.8 24.1 44.8



#8

Chloroethane

Concen: 0.032 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041704.D

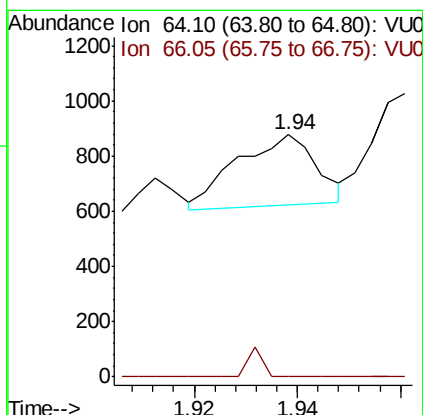
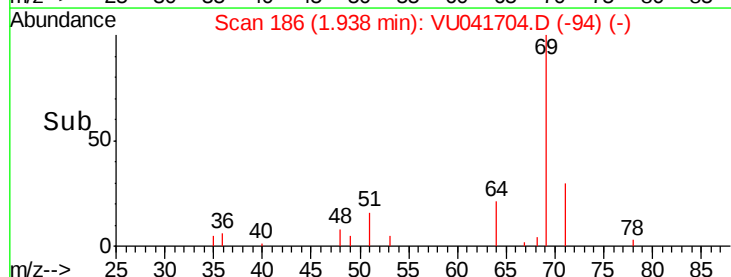
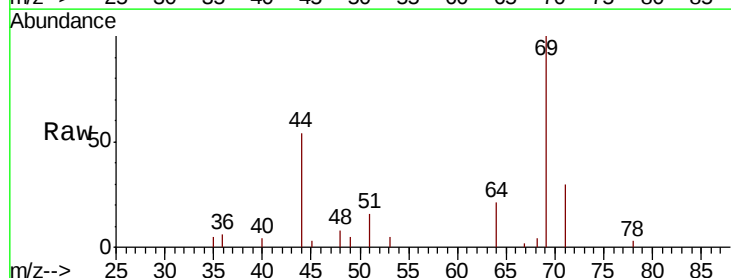
Acq: 21 Dec 2020 16:35

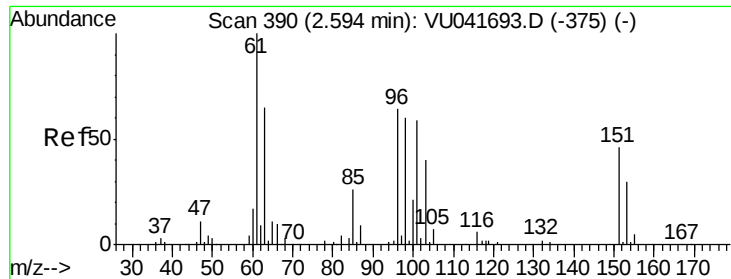
Tgt Ion: 64 Resp: 270

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#





#10

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

Concen: 0.066 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041704.D

Acq: 21 Dec 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

VIBLK07

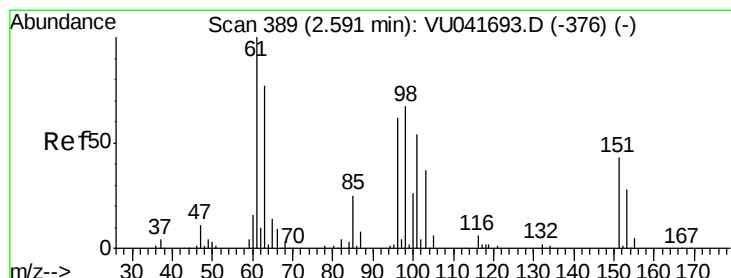
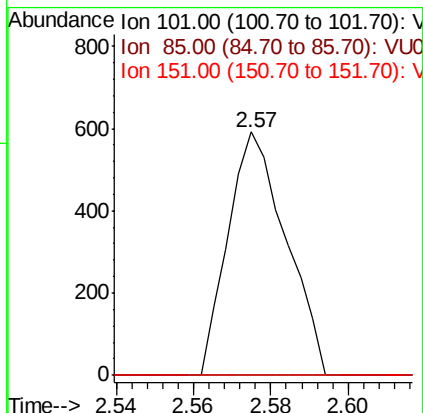
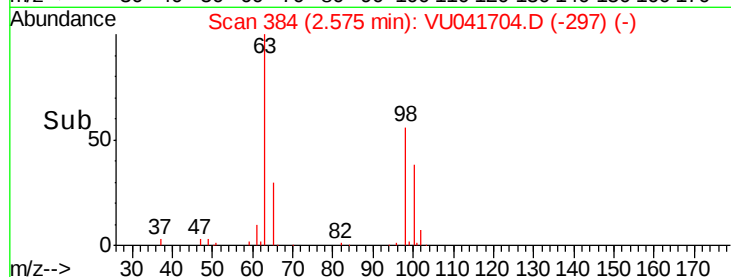
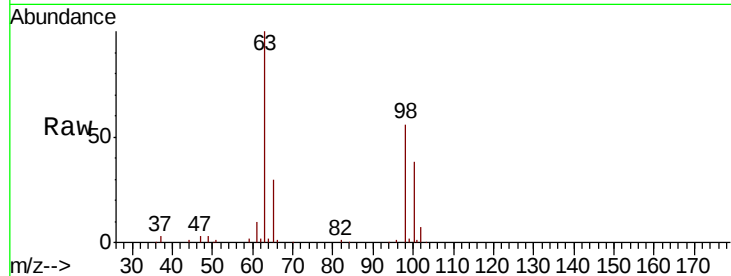
Tot Ion:101 Resp: 613

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



#12

1,1-Dichloroethene

Concen: 0.054 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041704.D

Acq: 21 Dec 2020 16:35

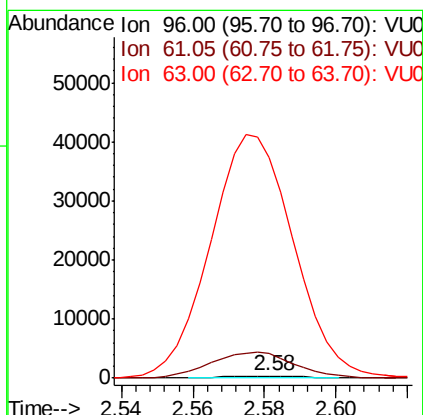
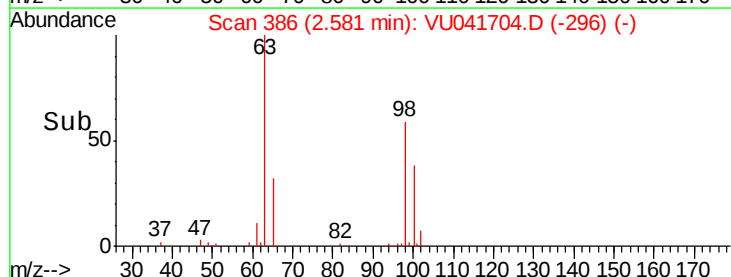
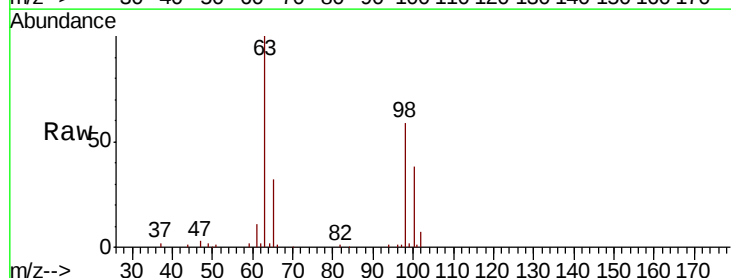
Tgt Ion: 96 Resp: 491

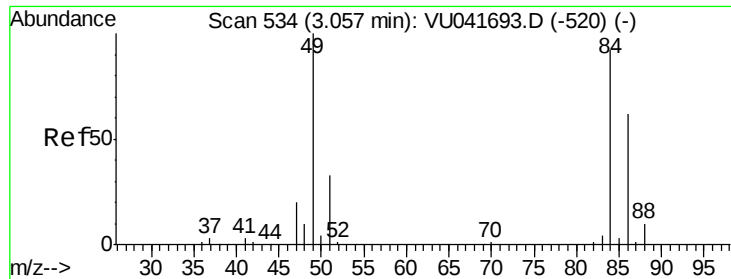
Ion Ratio Lower Upper

96 100

61 1186.6 123.8 230.0#

63 10862.8 81.0 150.4#

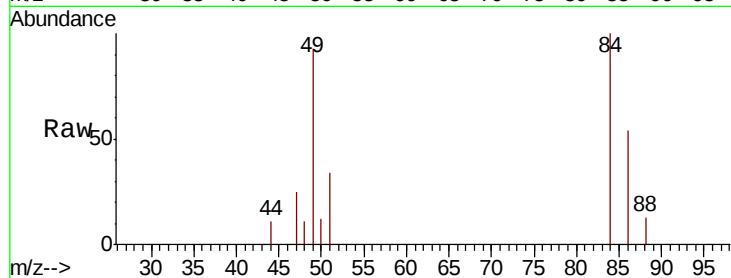




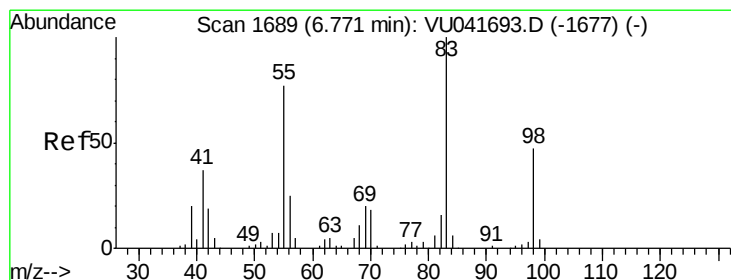
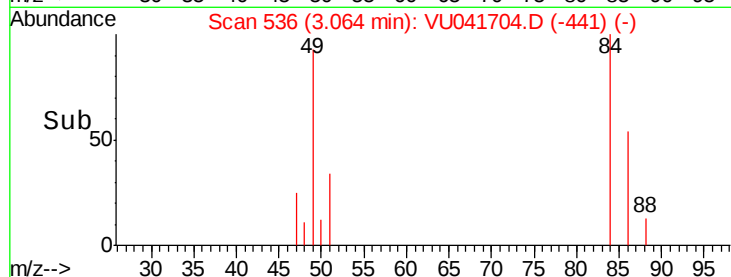
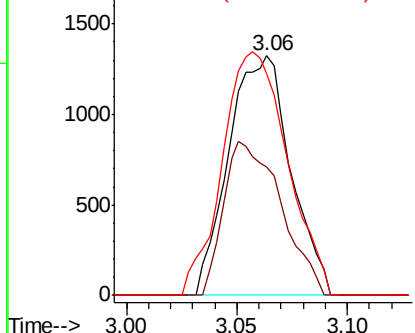
#16
Methylene chloride
Concen: 0.236 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU041704.D
Acq: 21 Dec 2020 16:35

Instrument :
MSVOA_U
ClientSampleId :
VIBLK07

Tot Ion: 84 Resp: 2578
Ion Ratio Lower Upper
84 100
86 53.5 45.1 83.7
49 92.5 83.1 154.3

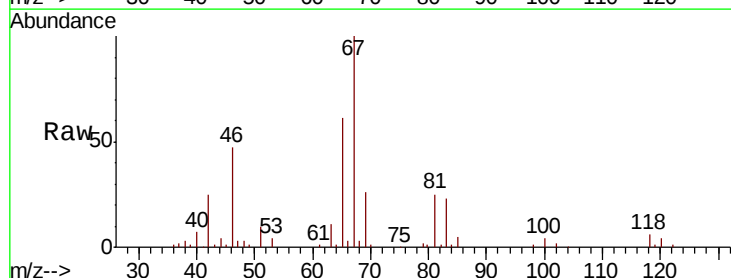


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

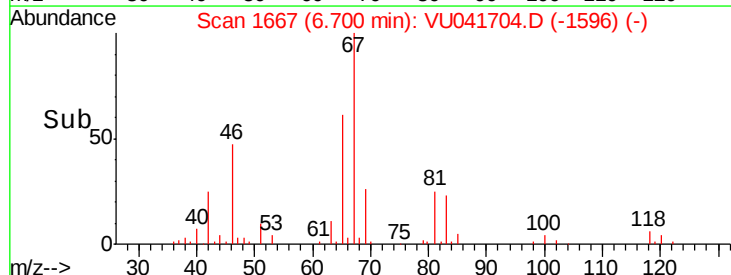
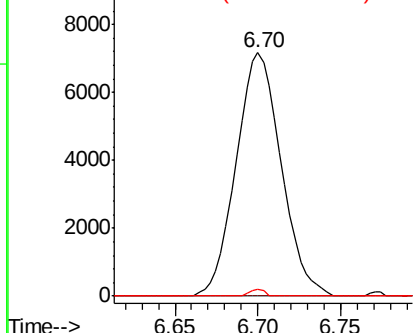


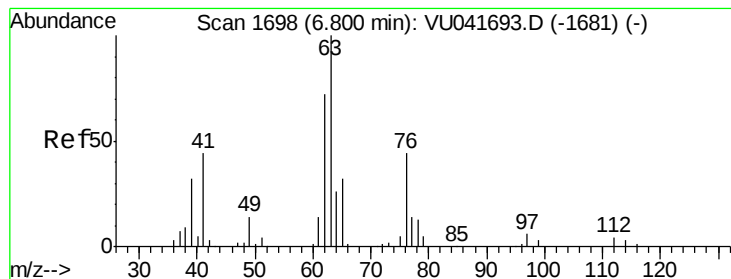
#35
Methylcyclohexane
Concen: 0.869 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041704.D
Acq: 21 Dec 2020 16:35

Tgt Ion: 83 Resp: 13536
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.9 36.6 54.8#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.664 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041704.D

Acq: 21 Dec 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

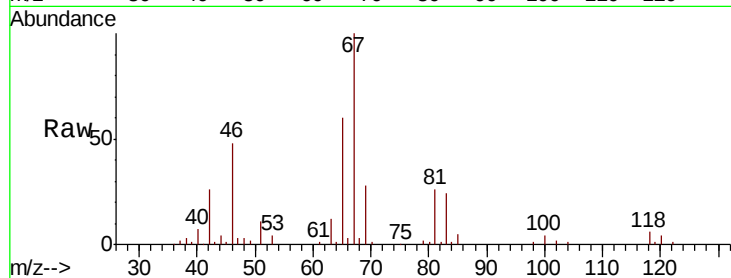
VIBLK07

Tot Ion: 63 Resp: 6518

Ion Ratio Lower Upper

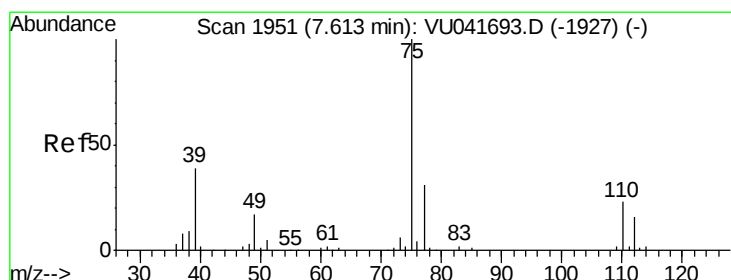
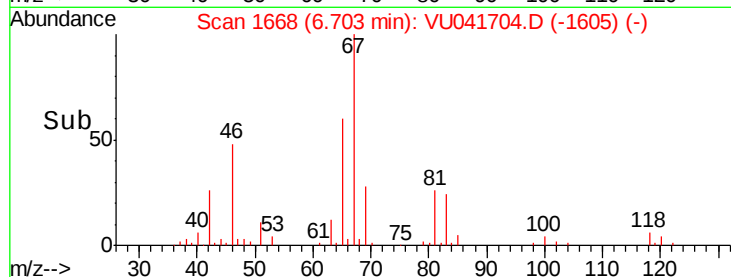
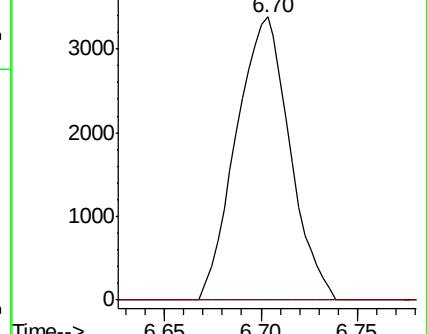
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041693.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041693.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041704.D

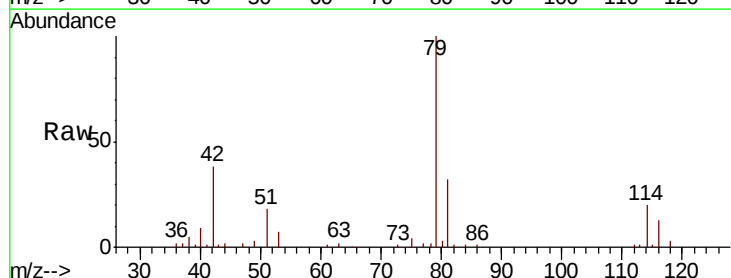
Acq: 21 Dec 2020 16:35

Tgt Ion: 75 Resp: 1453

Ion Ratio Lower Upper

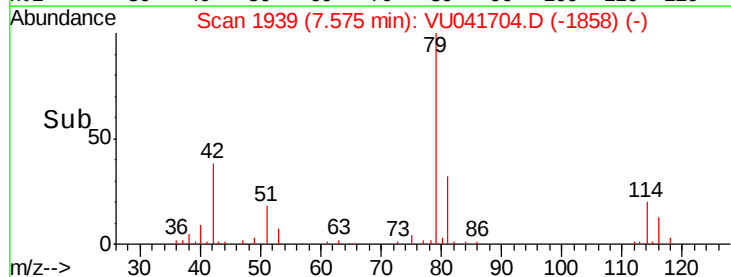
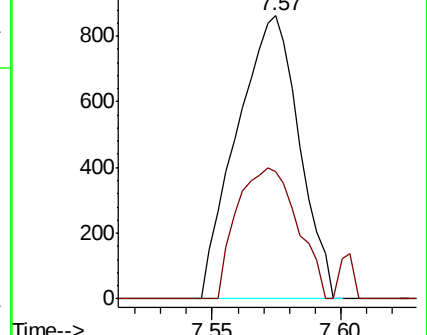
75 100

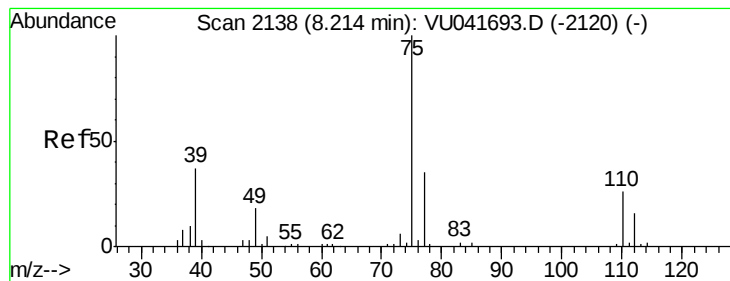
77 45.1 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041693.D (-1927) (-)

Ion 77.05 (76.75 to 77.75): VU041693.D (-1927) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.02 min

Lab File: VU041704.D

Acq: 21 Dec 2020 16:35

Instrument :

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ClientSampleId :

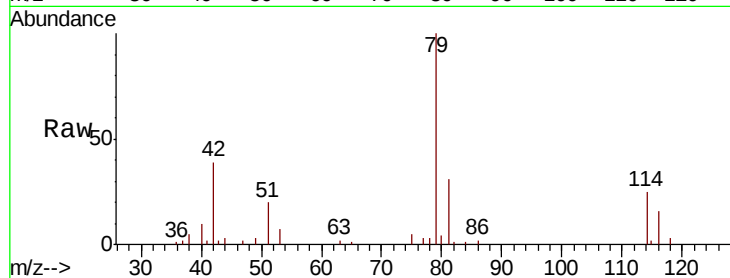
VIBLK07

Tot Ion: 75 Resp: 993

Ion Ratio Lower Upper

75 100

77 47.0 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041693.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041693.D (-2120) (-)

8.19

600

400

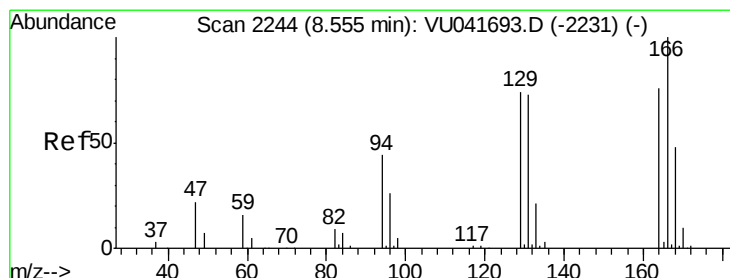
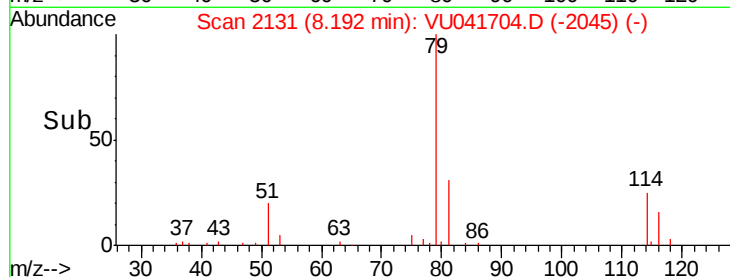
200

0

8.15

8.20

Time-->



#47

Tetrachloroethene

Concen: 0.367 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041704.D

Acq: 21 Dec 2020 16:35

Tgt Ion:164 Resp: 2480

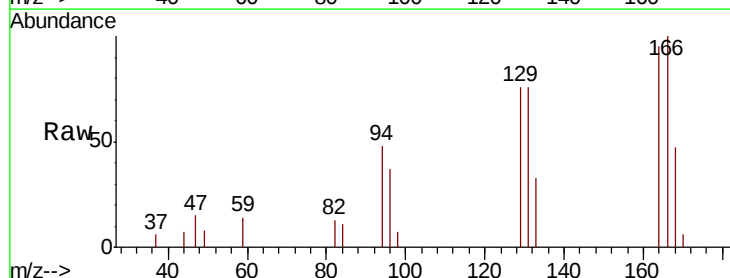
Ion Ratio Lower Upper

164 100

129 80.0 72.2 134.0

131 80.5 66.9 124.3

166 105.5 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041693.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU041693.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU041693.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU041693.D (-2231) (-)

2500

2000

1500

1000

500

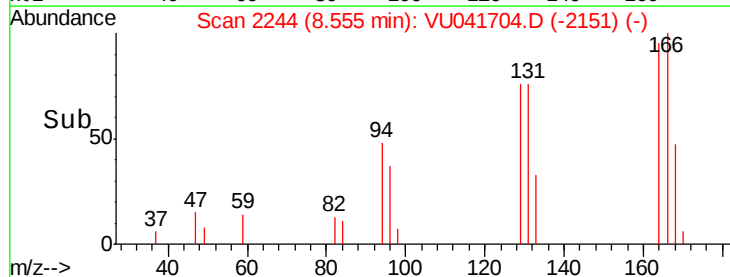
0

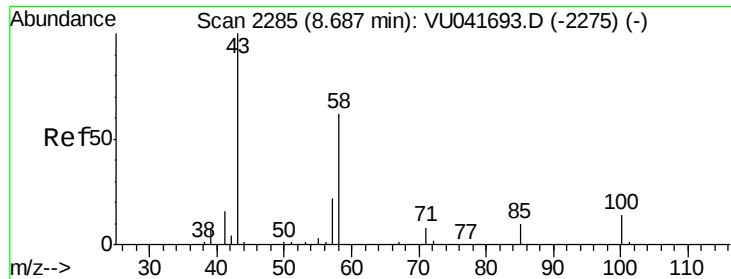
8.50

8.55

8.60

Time-->

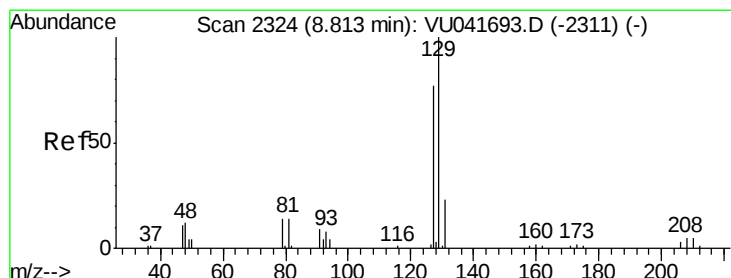
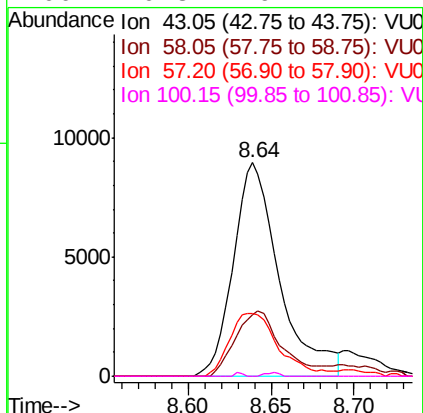
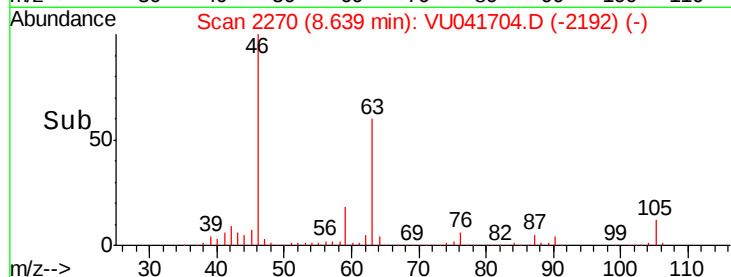
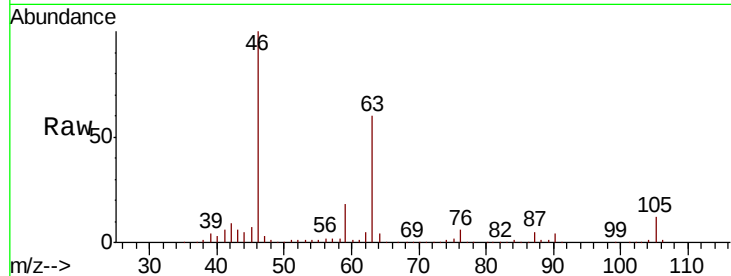




#48
2-Hexanone
Concen: 3.406 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041704.D
Acq: 21 Dec 2020 16:35

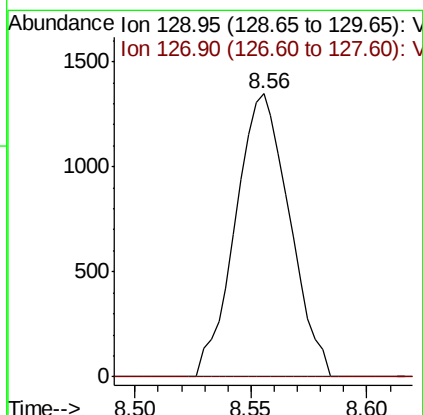
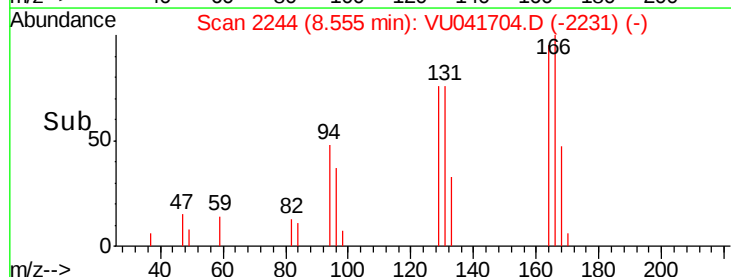
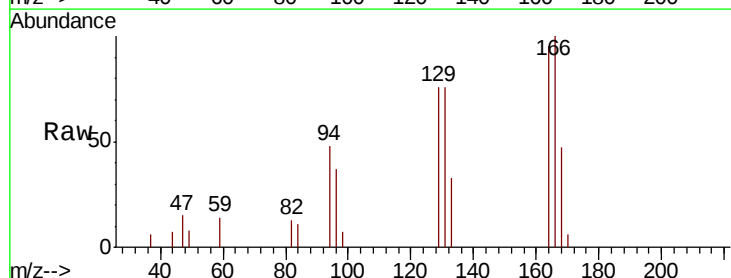
Instrument :
MSVOA_U
ClientSampleId :
VIBLK07

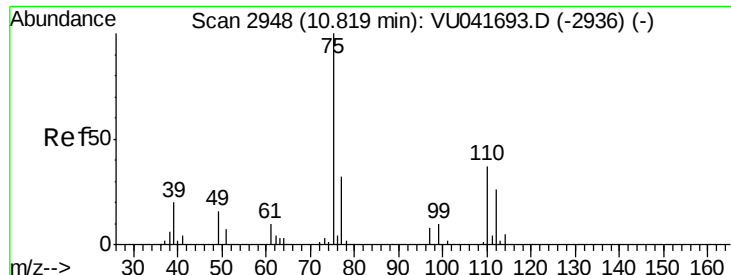
Tot Ion: 43 Resp: 17310
Ion Ratio Lower Upper
43 100
58 30.2 47.9 71.9#
57 31.2 16.5 24.7#
100 0.3 9.4 14.2#



#49
Dibromochloromethane
Concen: 0.261 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041704.D
Acq: 21 Dec 2020 16:35

Tgt Ion: 129 Resp: 2179
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.757 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041704.D

Acq: 21 Dec 2020 16:35

Instrument :

MSVOA_U

ClientSampleId :

VIBLK07

Tot Ion: 75 Resp: 5580

Ion Ratio Lower Upper

75 100

77 33.9 26.2 39.2

