

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041748.D
 Acq On : 22 Dec 2020 18:01
 Operator : SY/MD
 Sample : L5148-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Dec 23 05:09:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 05:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125939	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125315	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53448	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39690	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.92	69	42202	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.80%
11) 1,1-Dichloroethene-d2	2.58	63	61617	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.66	46	138282	48.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.78%
24) Chloroform-d	5.08	84	81125	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.72	65	46876	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.74	84	158549	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.70	67	50665	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.90	98	129850	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.18	79	19801	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.64	63	121241	43.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46758	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	49396	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

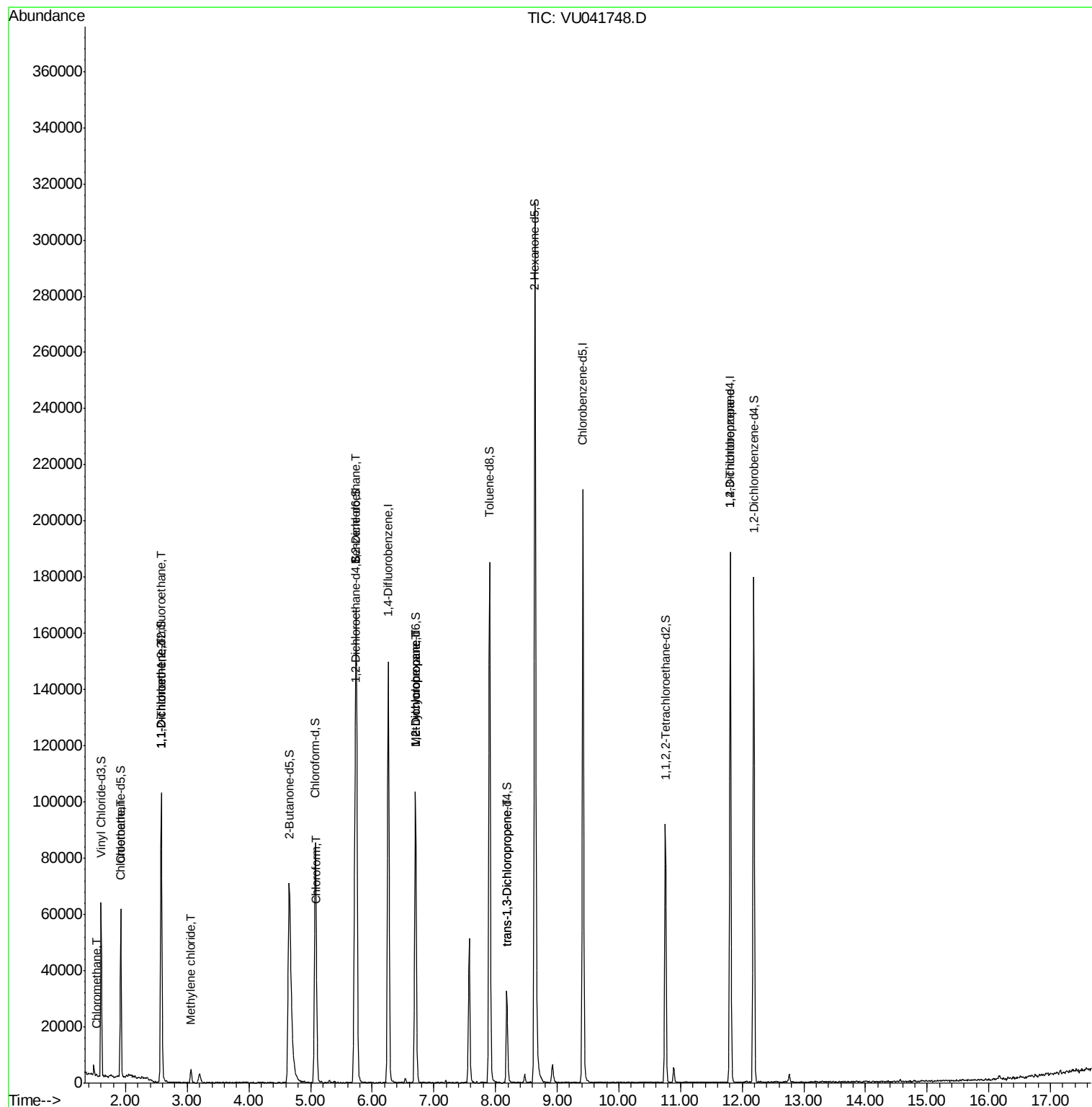
					Ovalue
3) Chloromethane	1.53	50	486	0.047 ug/L #	41
8) Chloroethane	1.93	64	312	0.040 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	522	0.060 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	589	0.069 ug/L #	1
16) Methylene chloride	3.06	84	2437	0.239 ug/L	89
25) Chloroform	5.11	83	1043	0.063 ug/L	93
27) 1,2-Dichloroethane	5.73	62	338	0.030 ug/L #	73
35) Methylcyclohexane	6.70	83	12210	0.750 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5215	0.509 ug/L #	88
44) trans-1,3-Dichloropropene	8.19	75	733	0.054 ug/L	91
59) 1,2,3-Trichloropropane	11.81	75	5815	0.755 ug/L	95

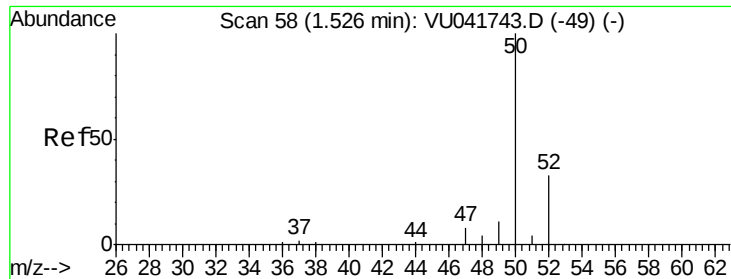
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.047 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041748.D

Acq: 22 Dec 2020 18:01

Instrument :

MSVOA_U

ClientSampleId :

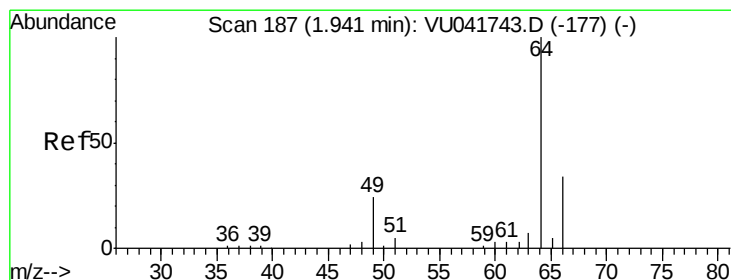
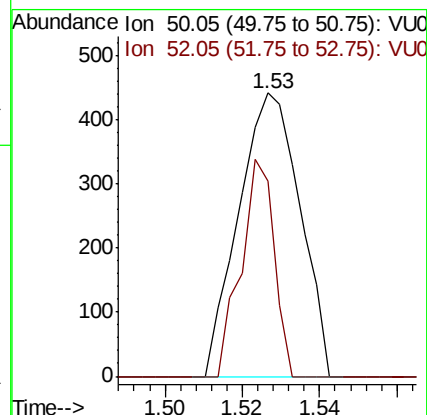
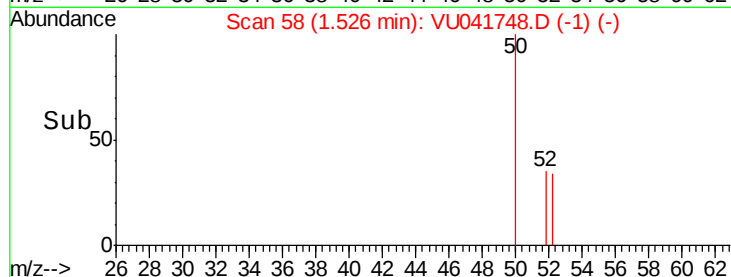
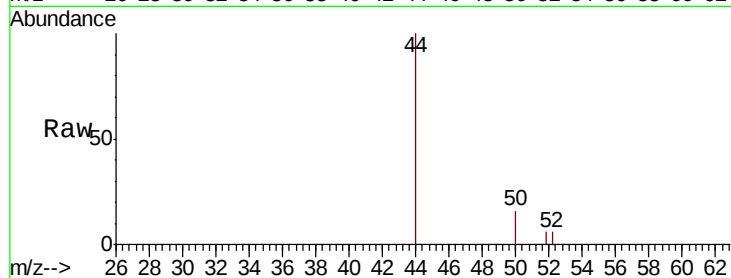
VHBLK01

Tot Ion: 50 Resp: 486

Ion Ratio Lower Upper

50 100

52 68.7 24.1 44.8#



#8

Chloroethane

Concen: 0.040 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU041748.D

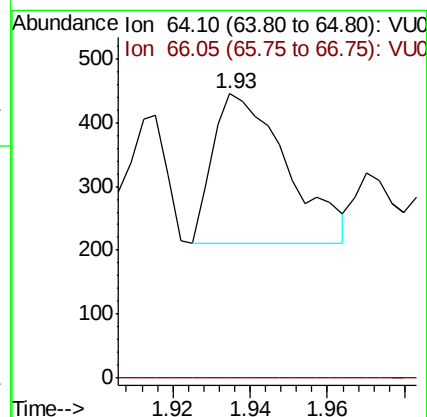
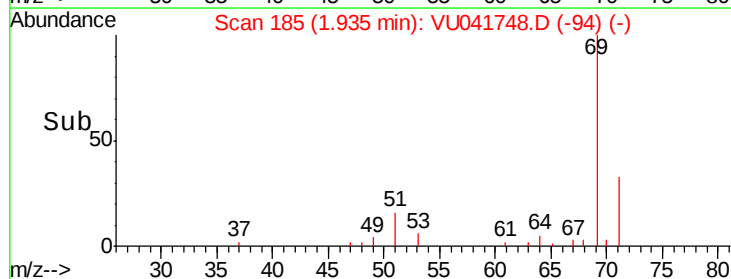
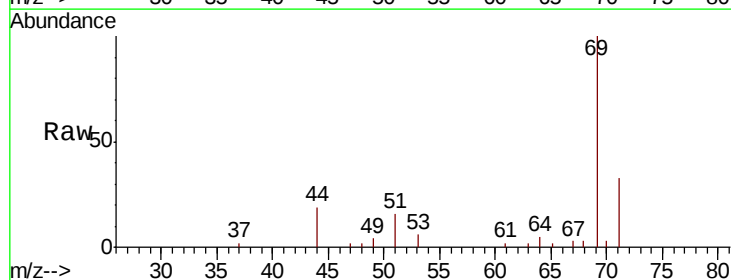
Acq: 22 Dec 2020 18:01

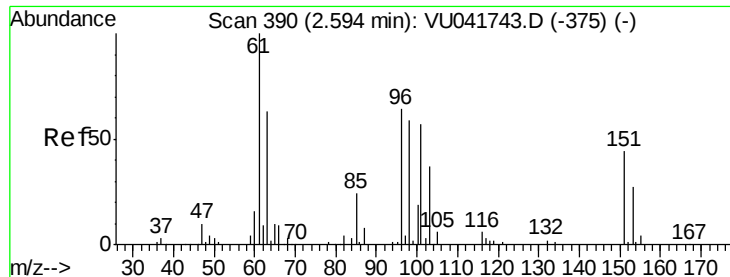
Tgt Ion: 64 Resp: 312

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#





#10

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

Concen: 0.060 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041748.D

Acq: 22 Dec 2020 18:01

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

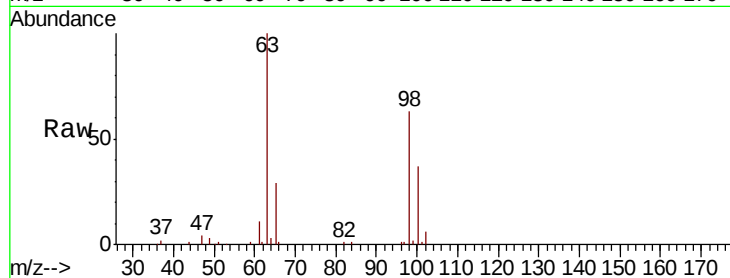
Tot Ion:101 Resp: 522

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



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

2.58

400

300

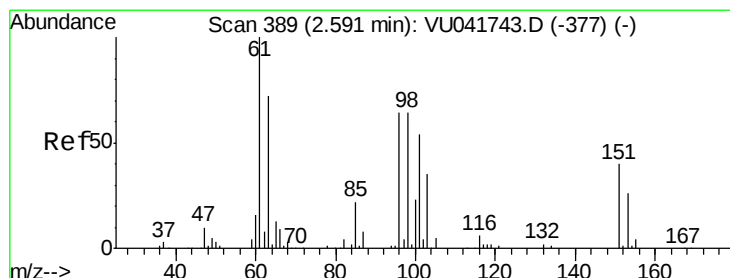
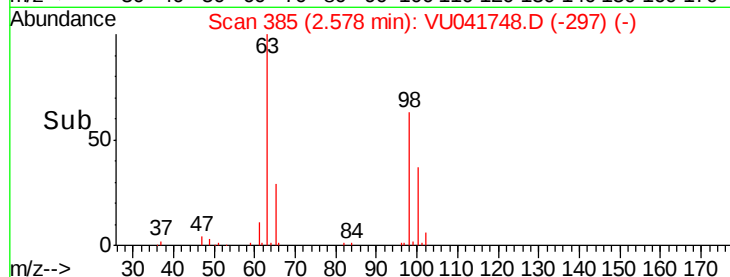
200

100

0

2.54 2.56 2.58 2.60

Time-->



#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041748.D

Acq: 22 Dec 2020 18:01

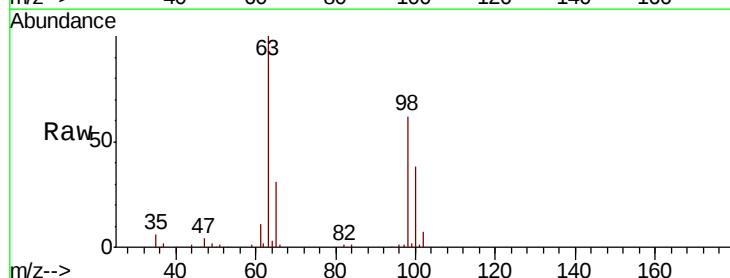
Tgt Ion: 96 Resp: 589

Ion Ratio Lower Upper

96 100

61 758.0 123.8 230.0#

63 6792.5 81.0 150.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

50000

40000

30000

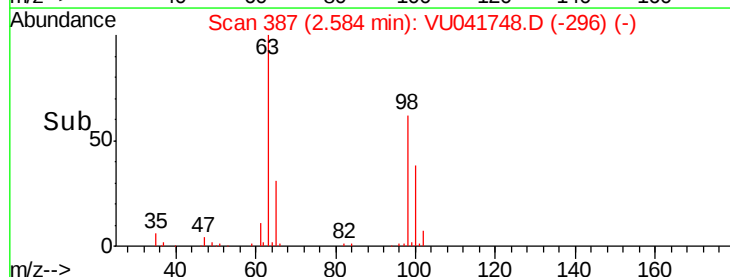
20000

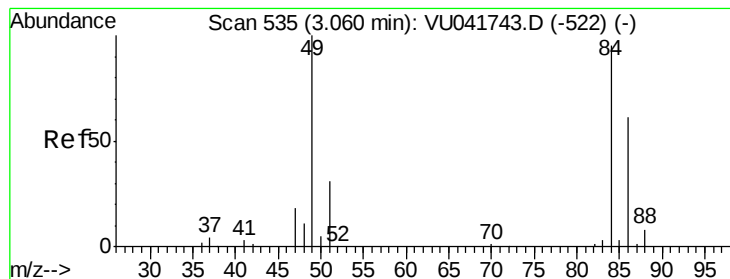
10000

0

2.54 2.56 2.58 2.60

Time-->





#16

Methvlene chloride

Concen: 0.239 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041748.D

Acq: 22 Dec 2020 18:01

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

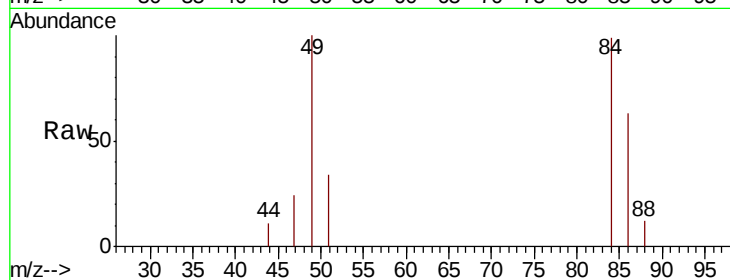
Tot Ion: 84 Resp: 2437

Ion Ratio Lower Upper

84 100

86 63.8 45.1 83.7

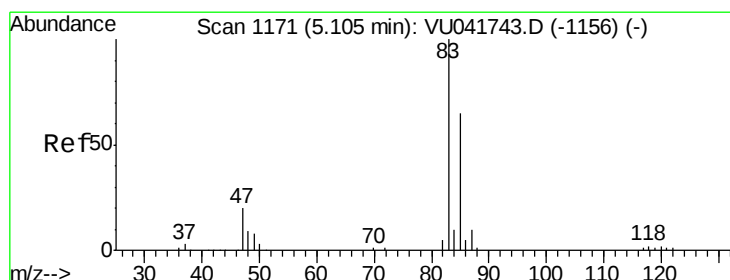
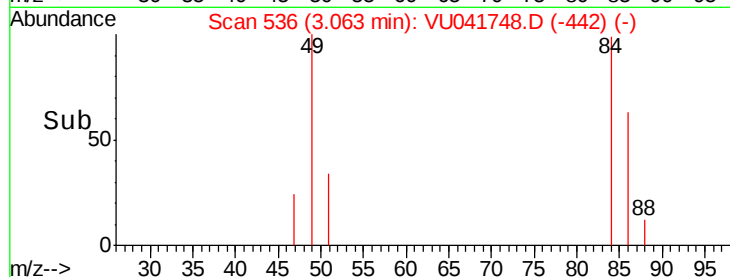
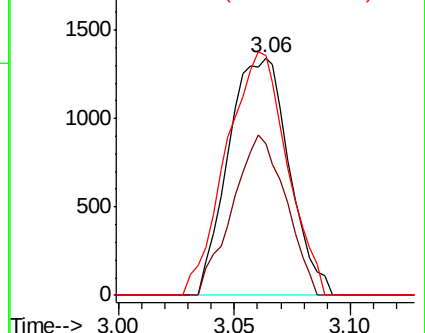
49 101.0 83.1 154.3



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



#25

Chloroform

Concen: 0.063 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041748.D

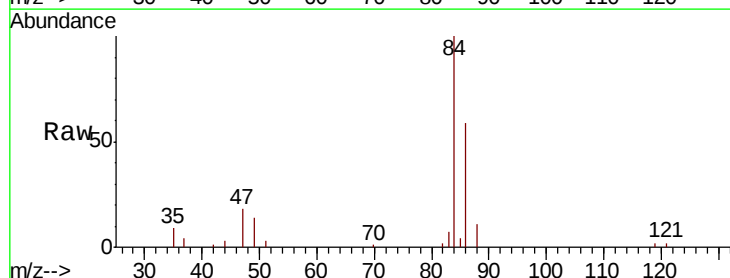
Acq: 22 Dec 2020 18:01

Tgt Ion: 83 Resp: 1043

Ion Ratio Lower Upper

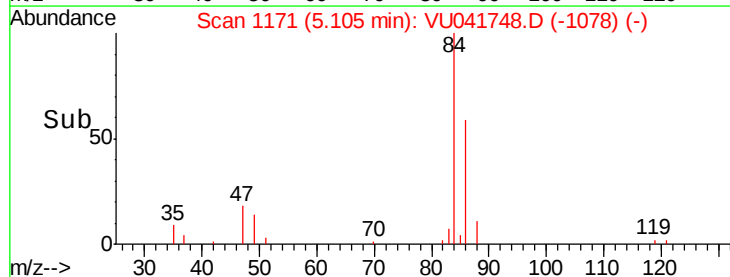
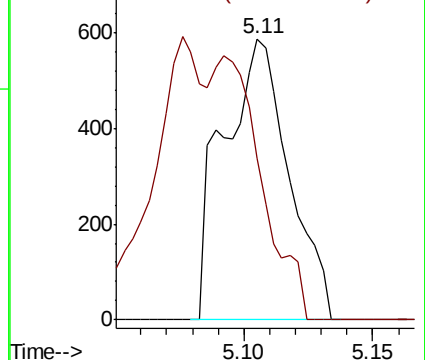
83 100

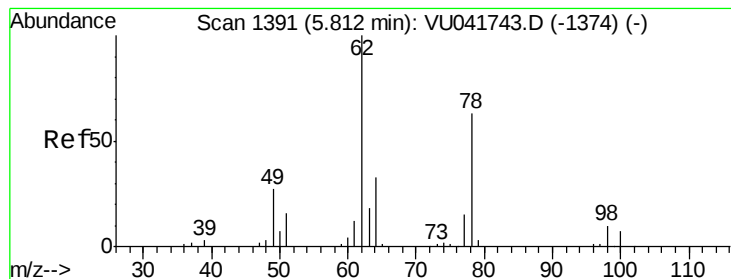
85 57.7 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.030 ug/L

RT: 5.73 min Scan# 1365

Delta R.T. -0.08 min

Lab File: VU041748.D

Acq: 22 Dec 2020 18:01

Instrument :

MSVOA_U

ClientSampleId :

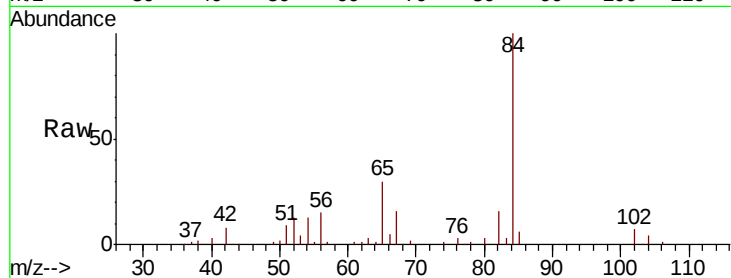
VHBLK01

Tot Ion: 62 Resp: 338

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU041743.D (-1374) (-)

Ion 98.05 (97.75 to 98.75): VU041743.D (-1374) (-)

5.73

300

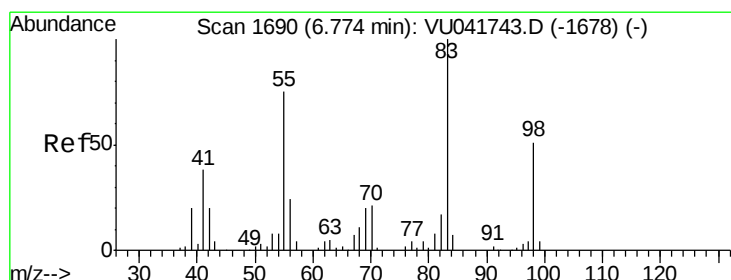
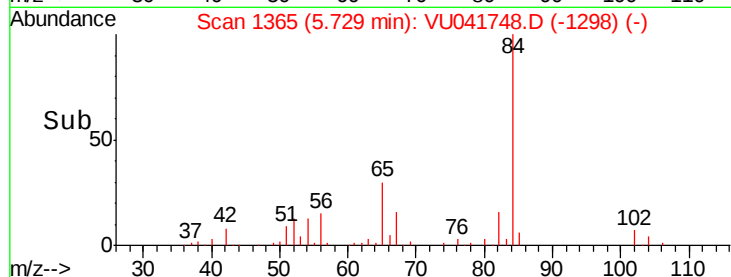
200

100

0

5.70 5.71 5.72 5.73 5.74

Time-->



#35

Methylcyclohexane

Concen: 0.750 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041748.D

Acq: 22 Dec 2020 18:01

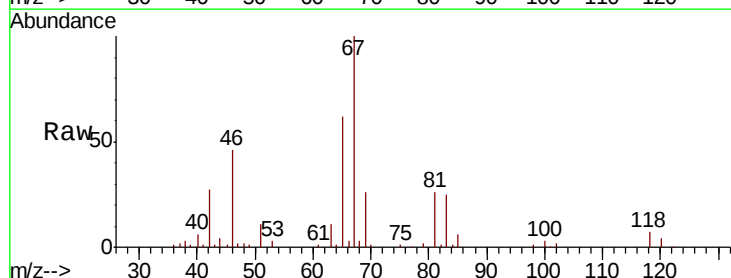
Tgt Ion: 83 Resp: 12210

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 1.1 36.6 54.8#



Abundance Ion 83.15 (82.85 to 83.85): VU041743.D (-1678) (-)

Ion 55.10 (54.80 to 55.80): VU041743.D (-1678) (-)

Ion 98.15 (97.85 to 98.85): VU041743.D (-1678) (-)

6.70

8000

6000

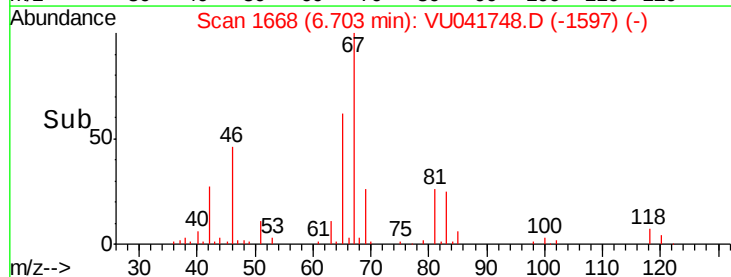
4000

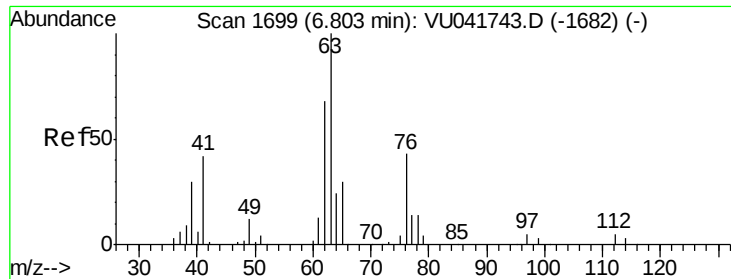
2000

0

6.65 6.70 6.75

Time-->

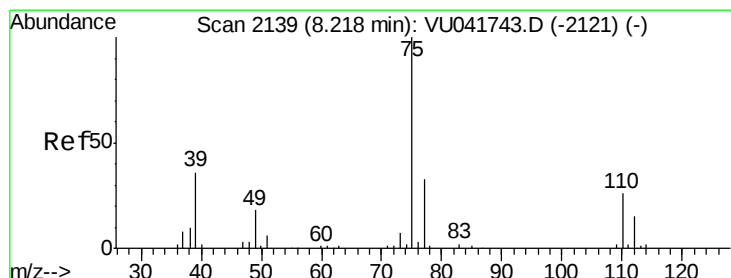
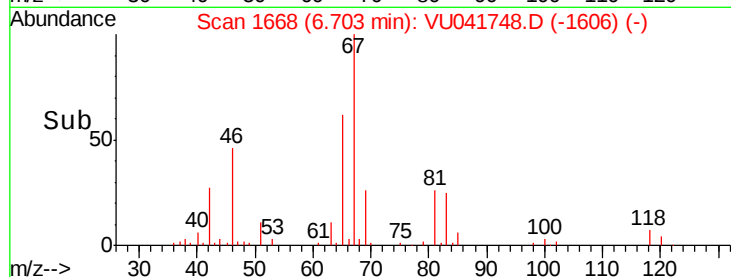
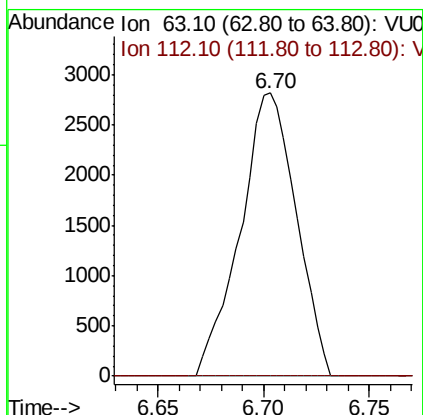
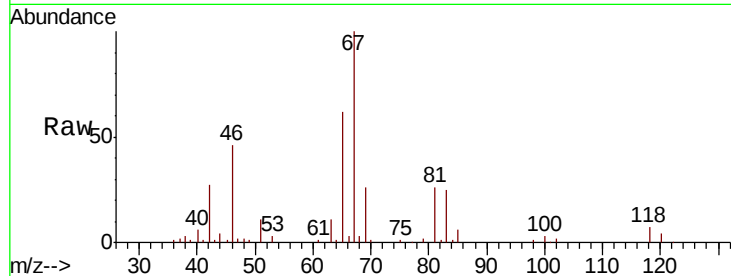




#37
 1,2-Dichloropropane
 Concen: 0.509 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041748.D
 Acq: 22 Dec 2020 18:01

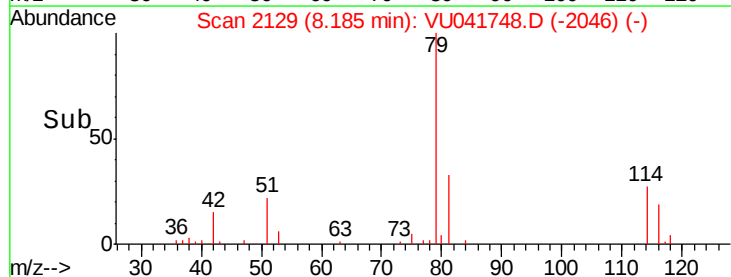
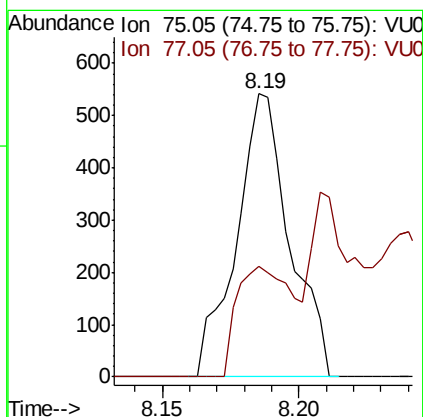
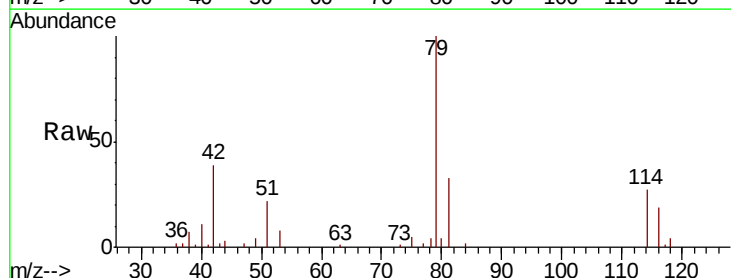
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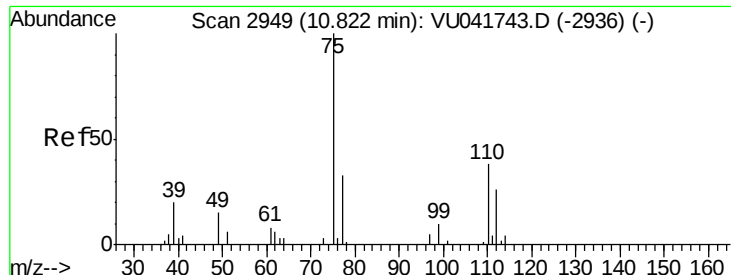
Tot Ion: 63 Resp: 5215
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.054 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041748.D
 Acq: 22 Dec 2020 18:01

Tgt Ion: 75 Resp: 733
 Ion Ratio Lower Upper
 75 100
 77 39.3 23.8 44.2





#59

1,2,3-Trichloropropane

Concen: 0.755 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041748.D

Acq: 22 Dec 2020 18:01

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tot Ion: 75 Resp: 5815

Ion Ratio Lower Upper

75 100

77 35.3 26.2 39.2

