

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121820\
 Data File : VU041676.D
 Acq On : 18 Dec 2020 13:50
 Operator : SY/MD
 Sample : L5129-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Dec 19 04:14:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 19 04:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115913	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109060	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49414	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36555	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.92	69	35836	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.58	63	56190	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.66	46	149241	57.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.66%
24) Chloroform-d	5.08	84	77138	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.72	65	46752	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.74	84	160443	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.70	67	51221	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.90	98	131231	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.19	79	20702	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	130793	54.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46914	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	48294	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%

Target Compounds

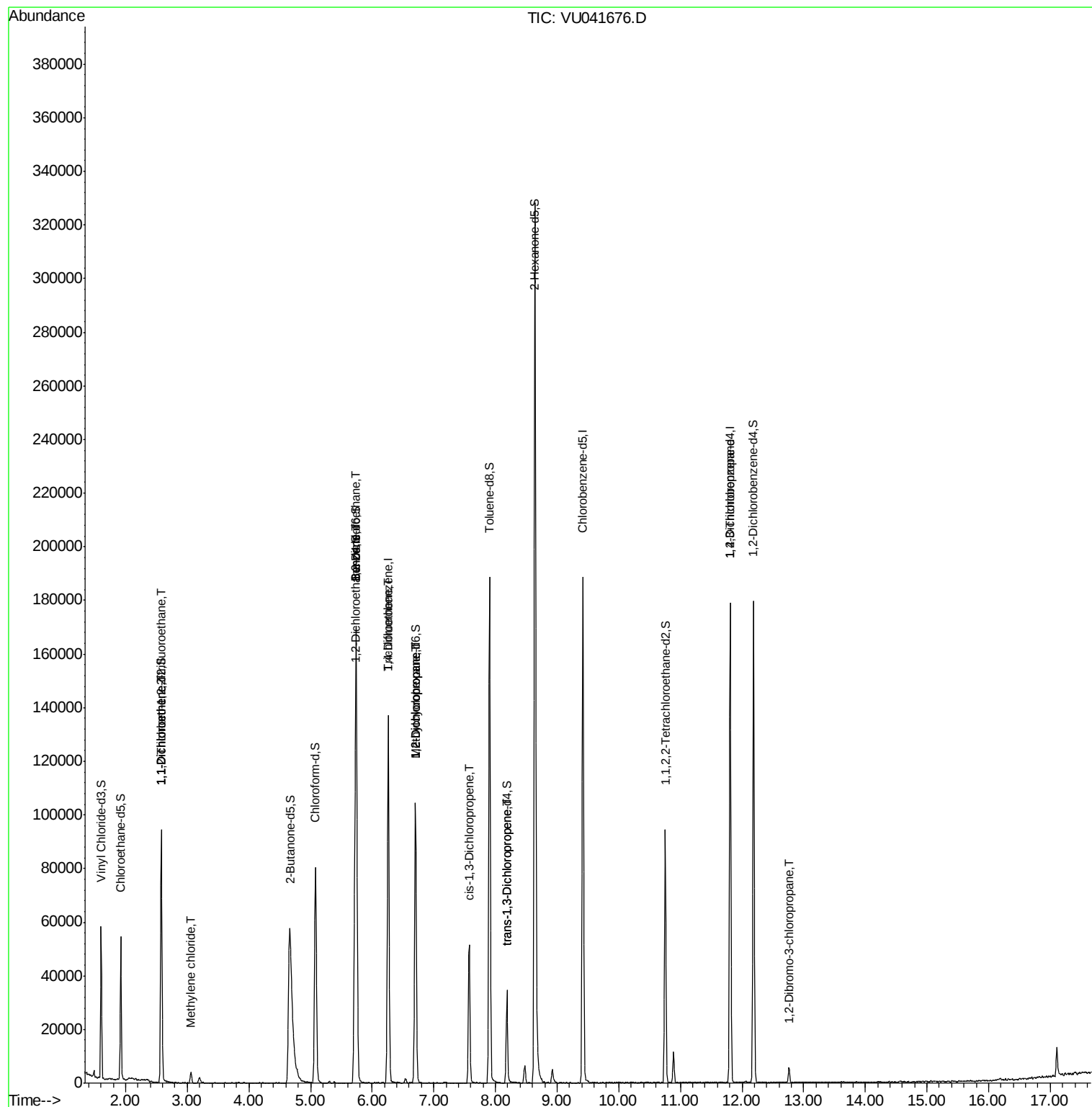
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	415	0.052 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	521	0.066 ug/L #	1
16) Methylene chloride	3.06	84	1900	0.202 ug/L	88
27) 1,2-Dichloroethane	5.75	62	772	0.074 ug/L #	73
33) Benzene	5.75	78	1335	0.038 ug/L	100
34) Trichloroethene	6.26	95	2263	0.258 ug/L #	7
35) Methylcyclohexane	6.70	83	12265	0.866 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5420	0.608 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1402	0.106 ug/L #	63
44) trans-1,3-Dichloropropene	8.18	75	702	0.059 ug/L #	51
59) 1,2,3-Trichloropropane	11.81	75	5508	0.822 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.76	75	96	0.069 ug/L #	8

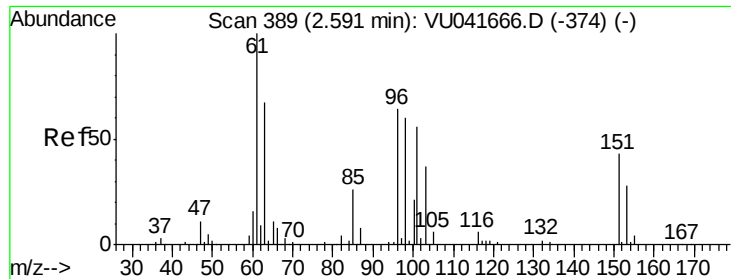
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 19 04:12:21 2020
Response via : Initial Calibration





#10

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

Concen: 0.052 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041676.D

Acq: 18 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

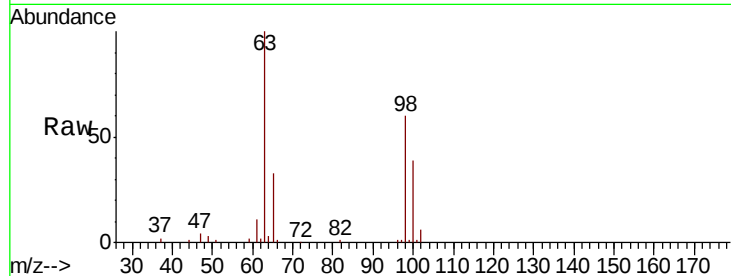
Tot Ion:101 Resp: 415

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

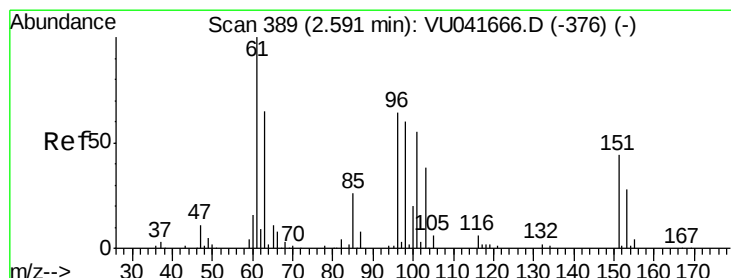
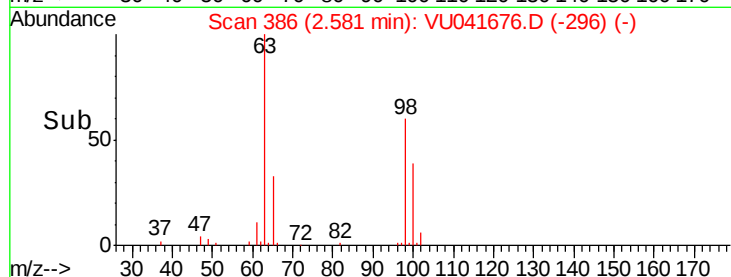
300

200

100

0

Time--> 2.54 2.56 2.58 2.60



#12

1,1-Dichloroethene

Concen: 0.066 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041676.D

Acq: 18 Dec 2020 13:50

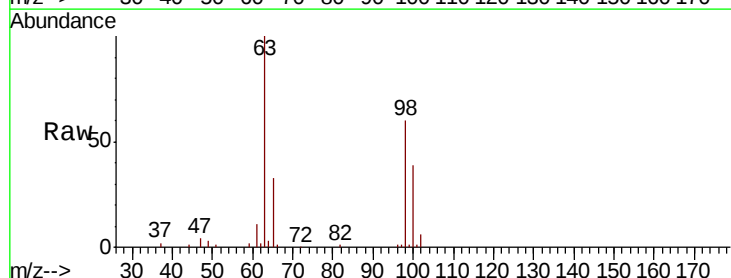
Tgt Ion: 96 Resp: 521

Ion Ratio Lower Upper

96 100

61 943.0 123.8 230.0#

63 8932.0 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

40000

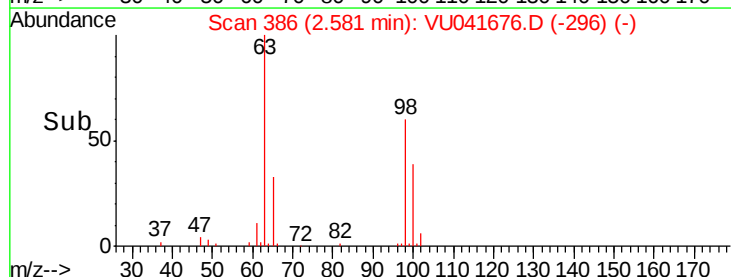
30000

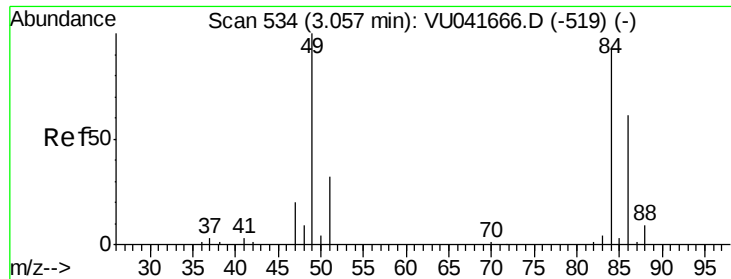
20000

10000

0

Time--> 2.54 2.56 2.58 2.60 2.62

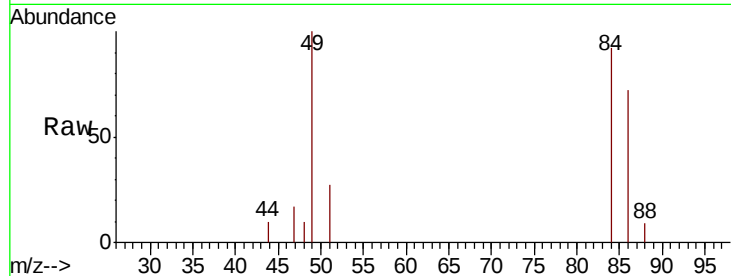




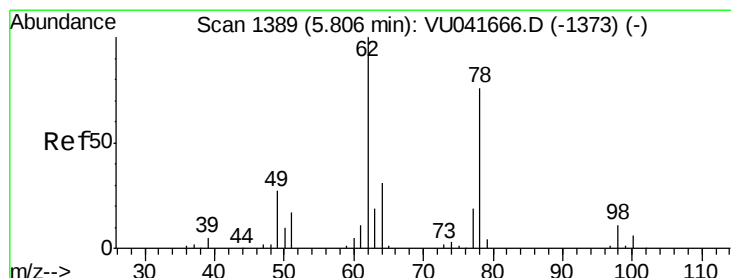
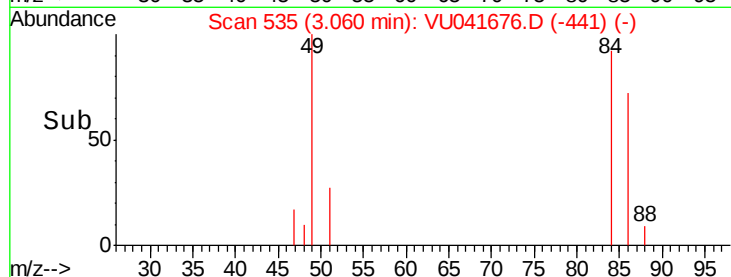
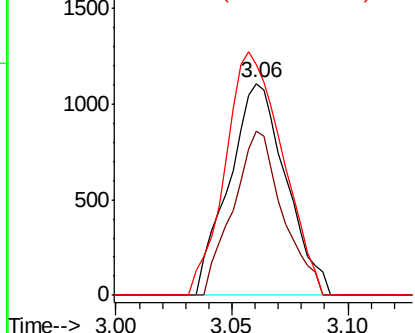
#16
Methylene chloride
Concen: 0.202 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041676.D
Acq: 18 Dec 2020 13:50

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Tot Ion: 84 Resp: 1900
Ion Ratio Lower Upper
84 100
86 77.8 45.1 83.7
49 108.8 83.1 154.3

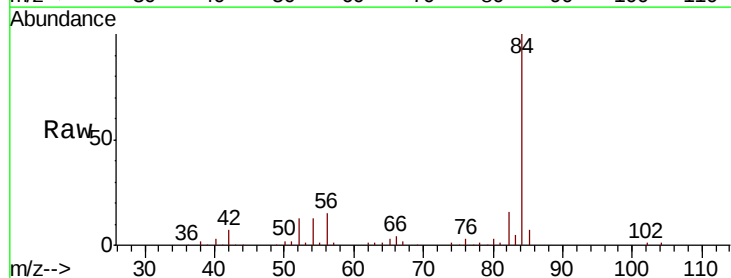


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

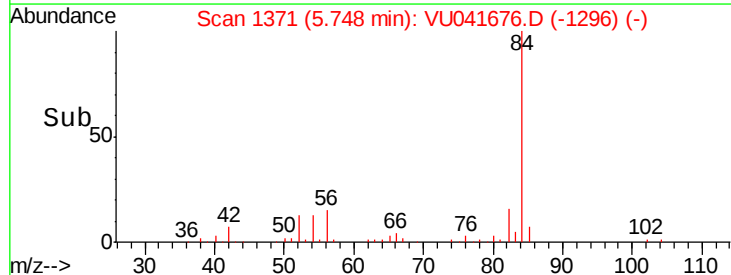
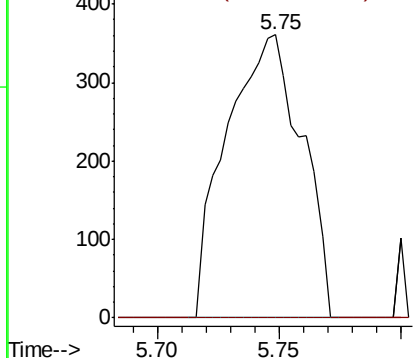


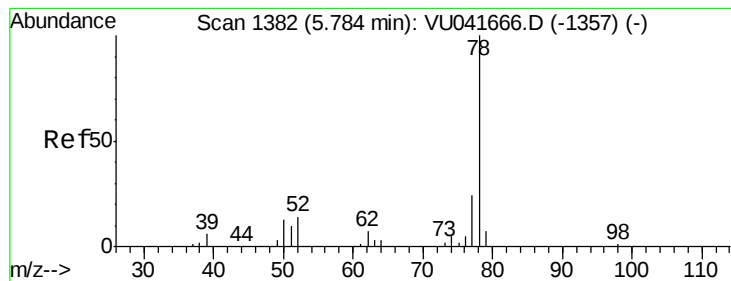
#27
1,2-Dichloroethane
Concen: 0.074 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.06 min
Lab File: VU041676.D
Acq: 18 Dec 2020 13:50

Tgt Ion: 62 Resp: 772
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 0.038 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.04 min

Lab File: VU041676.D

Acq: 18 Dec 2020 13:50

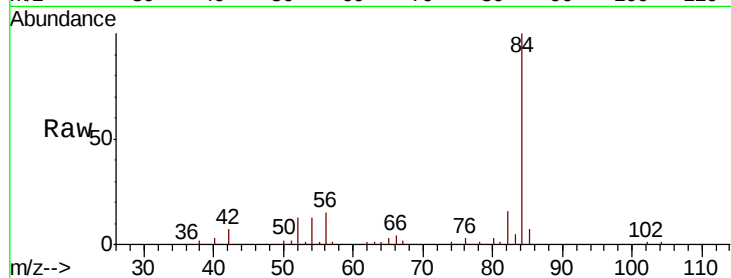
Instrument :

MSVOA_U

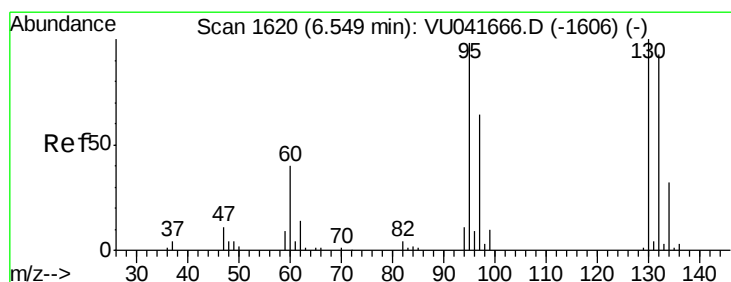
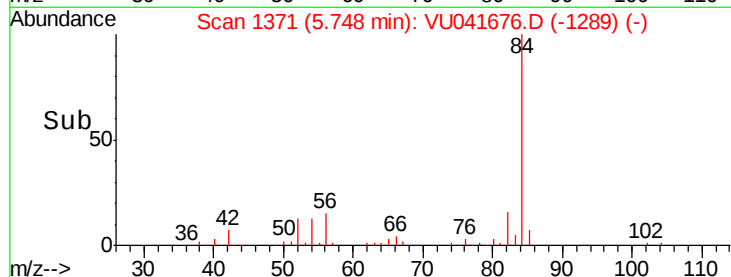
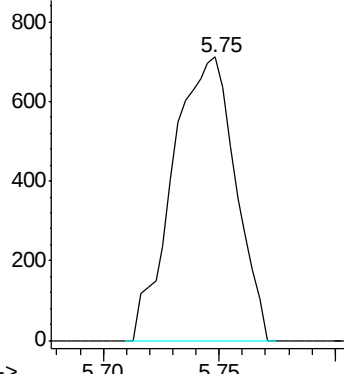
ClientSampleId :

VHBLK01

Tgt Ion: 78 Resp: 1335



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.258 ug/L

RT: 6.26 min Scan# 1531

Delta R.T. -0.29 min

Lab File: VU041676.D

Acq: 18 Dec 2020 13:50

Tgt Ion: 95 Resp: 2263

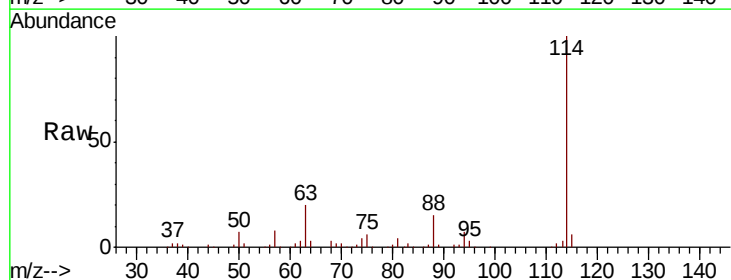
Ion Ratio Lower Upper

95 100

97 0.0 43.9 81.5#

132 0.0 63.1 117.3#

130 0.0 67.4 125.2#

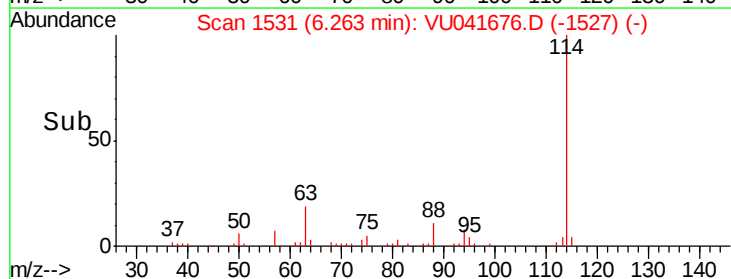
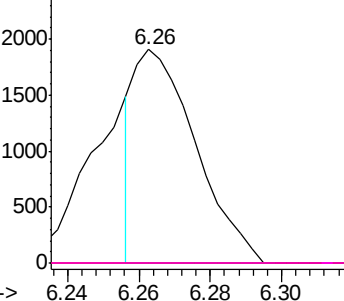


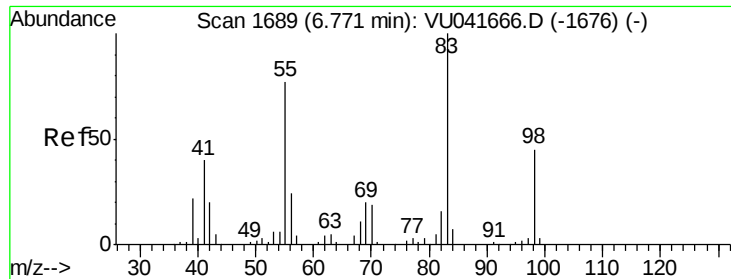
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

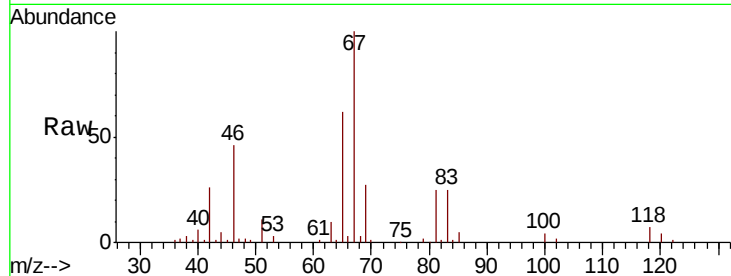




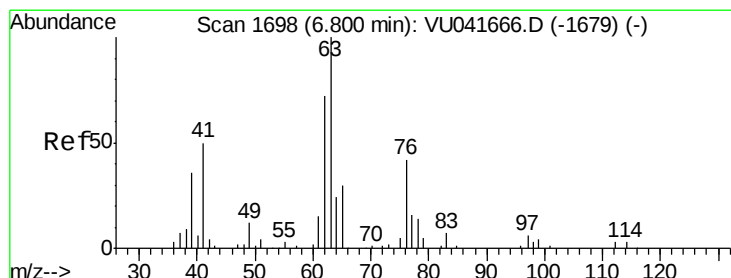
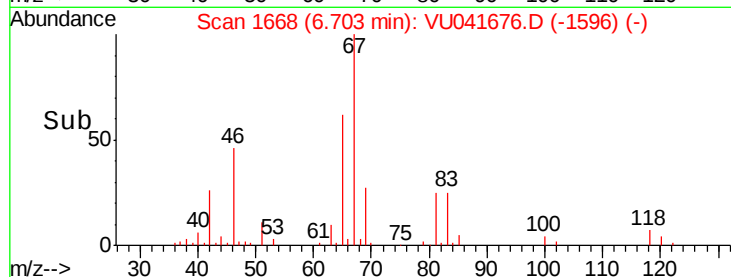
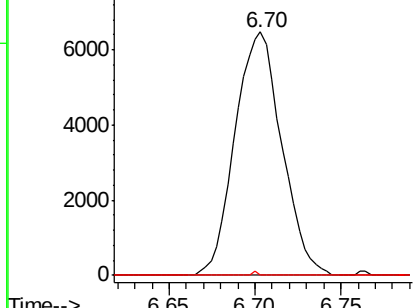
#35
Methylcyclohexane
Concen: 0.866 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041676.D
Acq: 18 Dec 2020 13:50

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Tot Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.2	36.6	54.8#

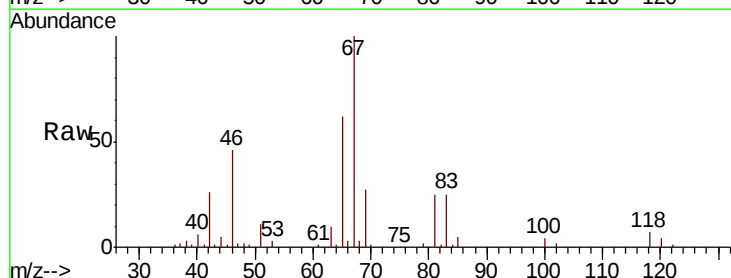


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

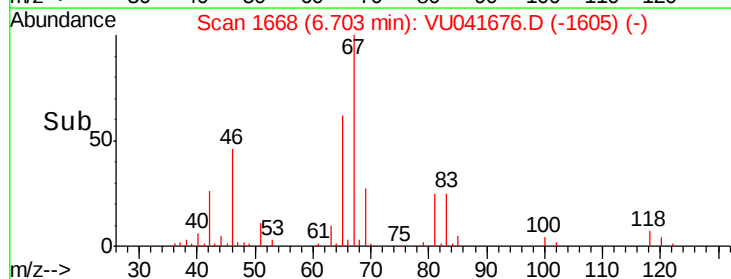
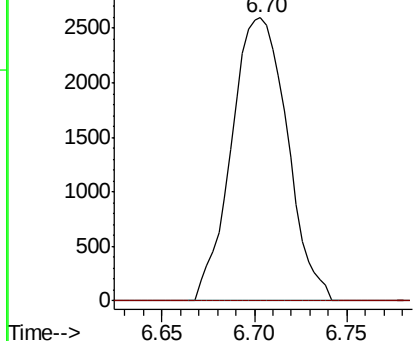


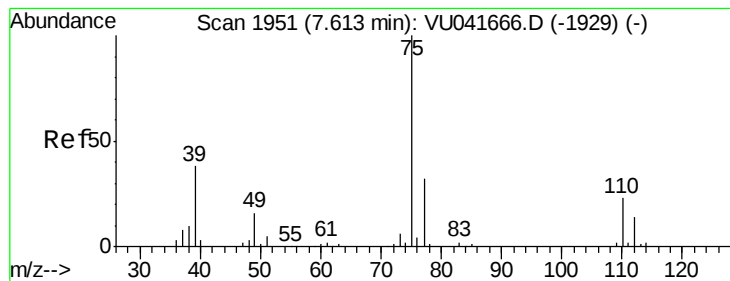
#37
1,2-Dichloropropane
Concen: 0.608 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041676.D
Acq: 18 Dec 2020 13:50

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



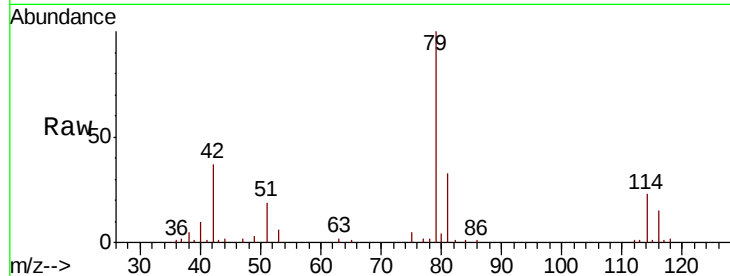


#39

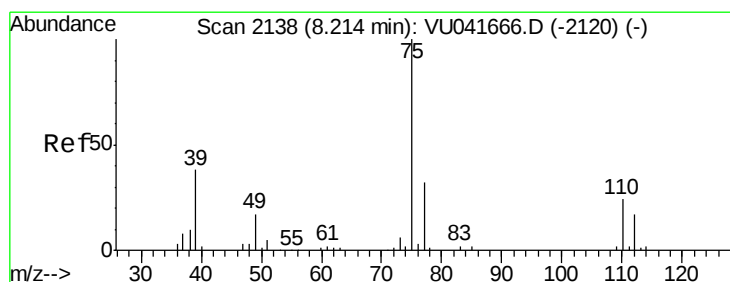
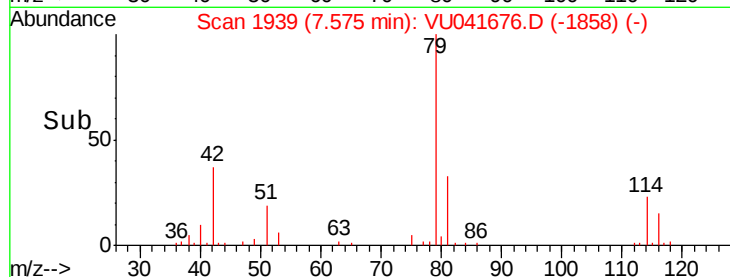
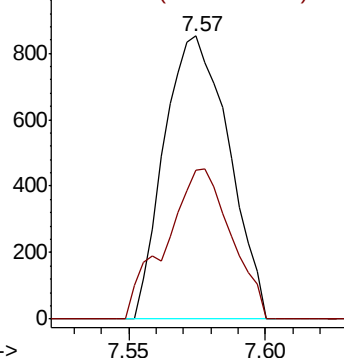
cis-1,3-Dichloropropene
Concen: 0.106 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041676.D
Acq: 18 Dec 2020 13:50

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Tot Ion: 75 Resp: 1402
Ion Ratio Lower Upper
75 100
77 52.6 22.3 41.3#



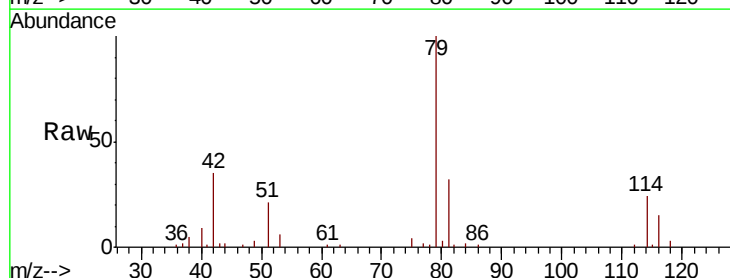
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



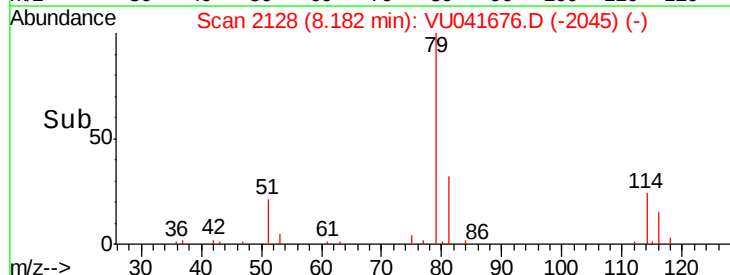
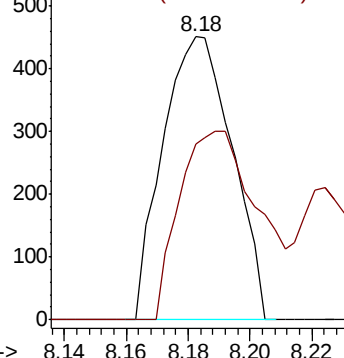
#44

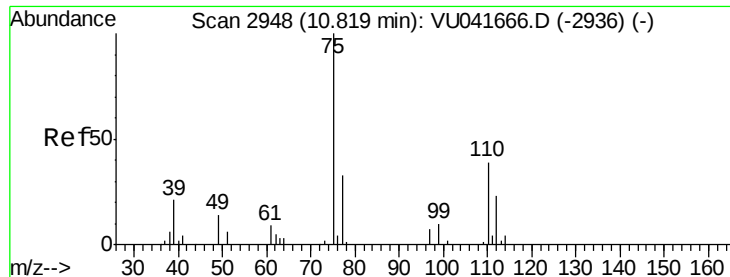
trans-1,3-Dichloropropene
Concen: 0.059 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041676.D
Acq: 18 Dec 2020 13:50

Tgt Ion: 75 Resp: 702
Ion Ratio Lower Upper
75 100
77 61.9 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#59

1,2,3-Trichloropropane

Concen: 0.822 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041676.D

Acq: 18 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampled :

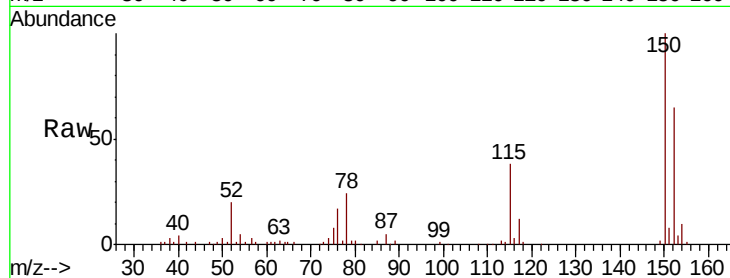
VHBLK01

Tot Ion: 75 Resp: 5508

Ion Ratio Lower Upper

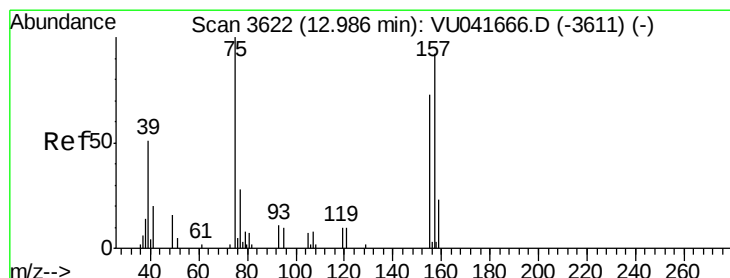
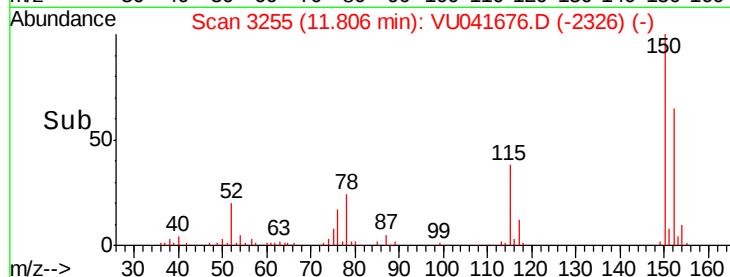
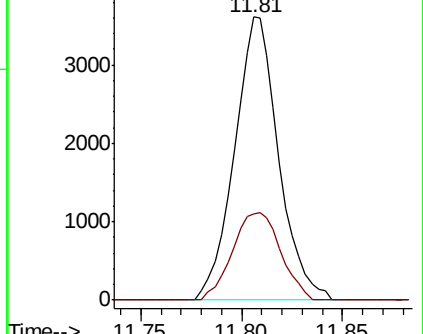
75 100

77 34.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#66

1,2-Dibromo-3-chloropropane

Concen: 0.069 ug/L

RT: 12.76 min Scan# 3553

Delta R.T. -0.22 min

Lab File: VU041676.D

Acq: 18 Dec 2020 13:50

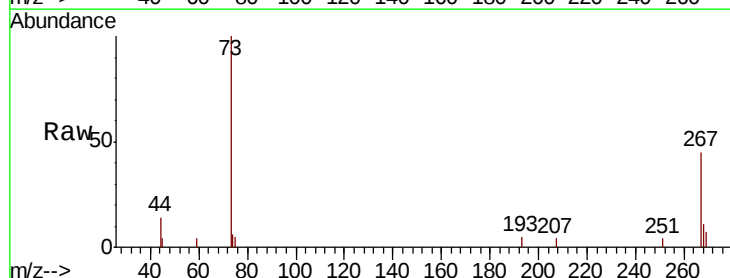
Tgt Ion: 75 Resp: 96

Ion Ratio Lower Upper

75 100

155 0.0 57.4 86.0#

157 0.0 72.4 108.6#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

