

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041648.D
 Acq On : 15 Dec 2020 19:54
 Operator : SY/MD
 Sample : L5029-01DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K1DL

Quant Time: Dec 16 04:37:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 04:34:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115697	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111819	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27627	3.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.00%
7) Chloroethane-d5	1.92	69	29386	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.58	63	45707	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	4.66	46	137436	52.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.80%
24) Chloroform-d	5.08	84	71027	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.72	65	43604	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.74	84	135129	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.70	67	45210	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.90	98	115486	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
43) trans-1,3-Dichloropropene-	8.19	79	18194	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.64	63	106678	43.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45130	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	46871	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

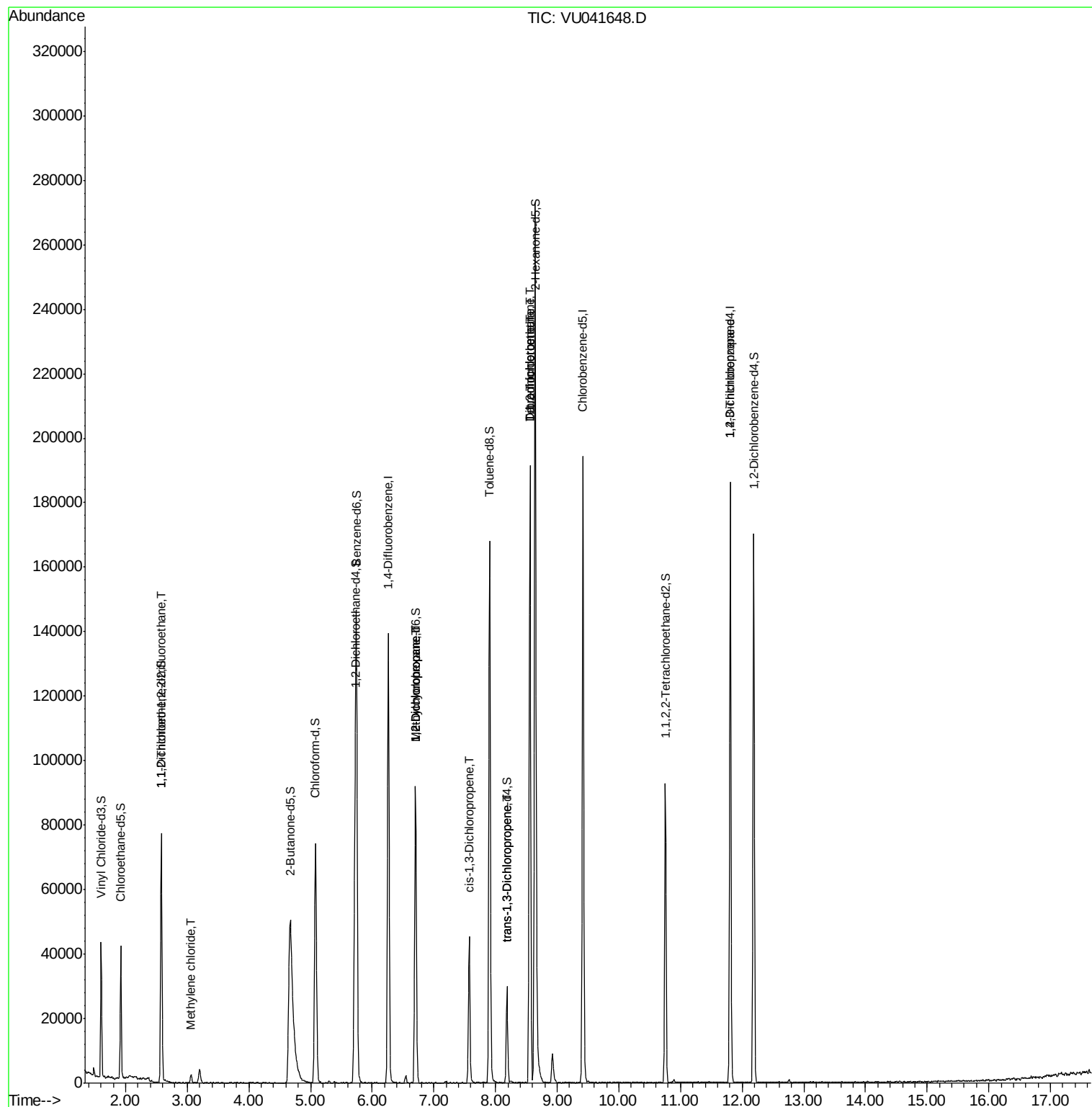
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	468	0.059	ug/L #	22
16) Methylene chloride	3.06	84	1387	0.148	ug/L	90
35) Methylcyclohexane	6.70	83	10341	0.712	ug/L #	20
37) 1,2-Dichloropropane	6.70	63	4754	0.520	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1012	0.075	ug/L #	70
44) trans-1,3-Dichloropropene	8.18	75	605	0.050	ug/L #	65
45) 1,1,2-Trichloroethane	8.56	97	328	0.048	ug/L #	20
47) Tetrachloroethene	8.56	164	42850	6.812	ug/L	97
49) Dibromochloromethane	8.56	129	42222	5.434	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5547	0.807	ug/L	93

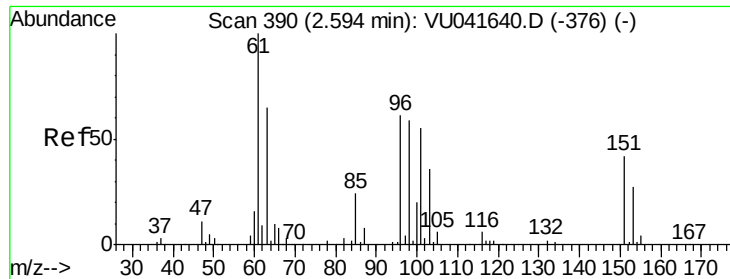
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 16 04:34:43 2020
Response via : Initial Calibration





#10

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

Concen: 0.059 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041648.D

Acq: 15 Dec 2020 19:54

Instrument :

MSVOA_U

ClientSampled :

GB1K1DL

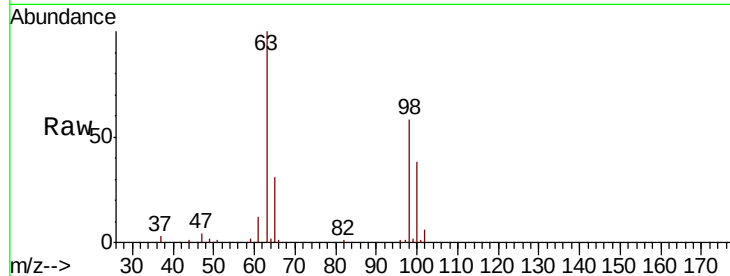
Tot Ion:101 Resp: 468

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



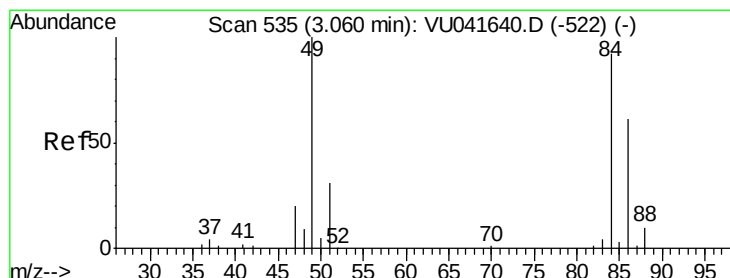
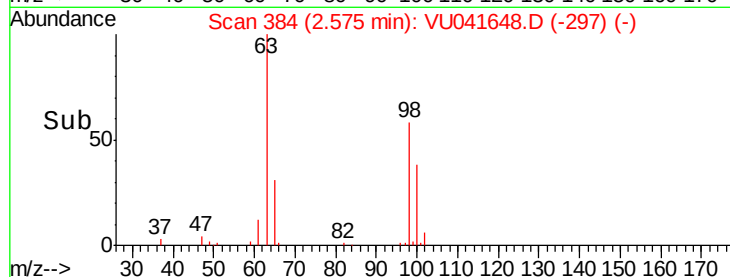
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.57

Time--> 2.54 2.56 2.58 2.60



#16

Methylene chloride

Concen: 0.148 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041648.D

Acq: 15 Dec 2020 19:54

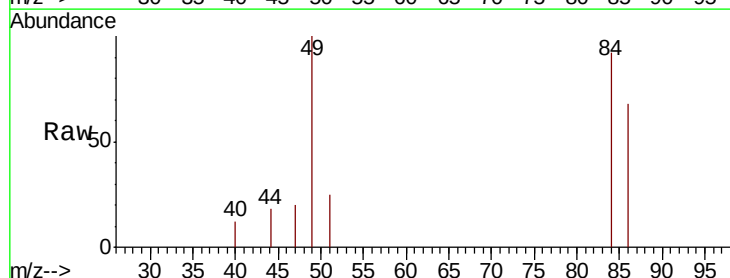
Tgt Ion: 84 Resp: 1387

Ion Ratio Lower Upper

84 100

86 73.5 45.1 83.7

49 108.6 83.1 154.3



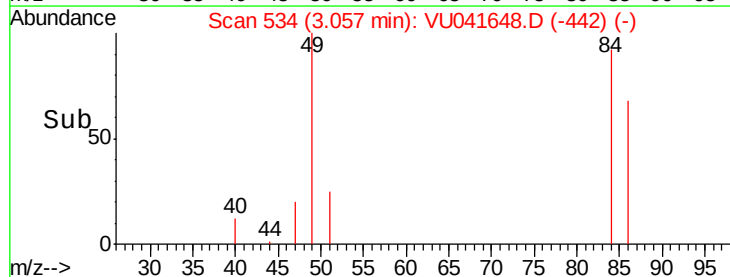
Abundance Ion 84.05 (83.75 to 84.75): VU0

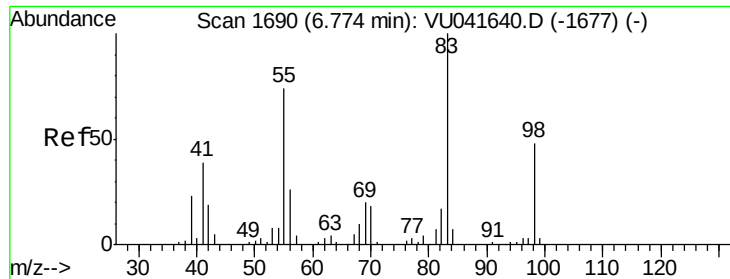
Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

3.06

Time--> 3.05 3.10

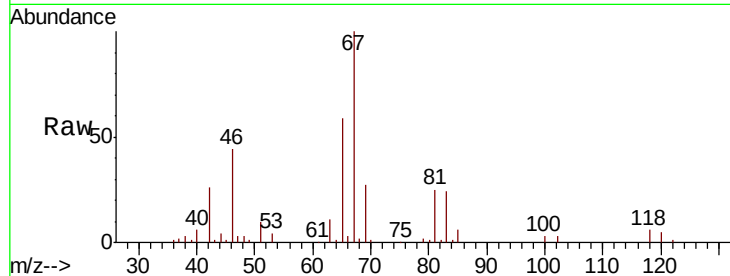




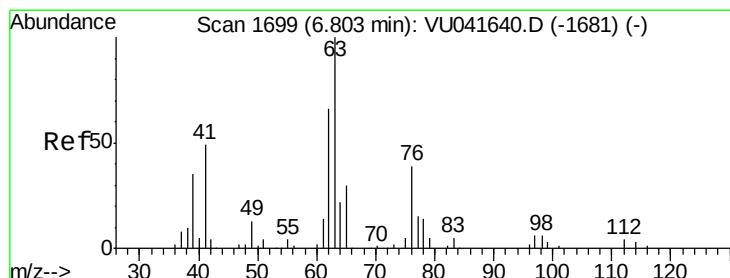
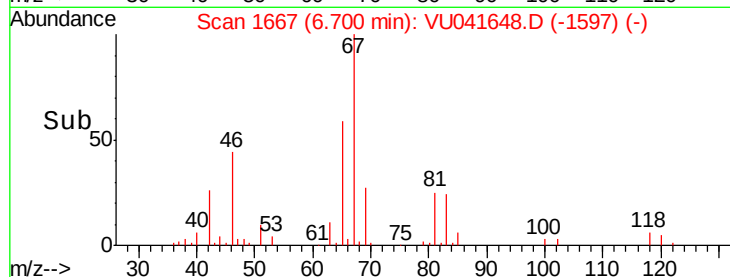
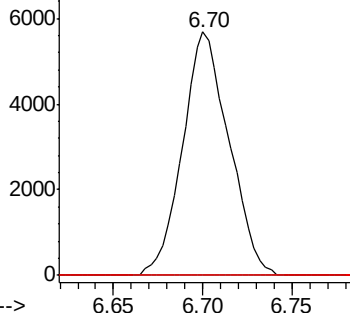
#35
Methylcyclohexane
Concen: 0.712 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041648.D
Acq: 15 Dec 2020 19:54

Instrument :
MSVOA_U
ClientSampleId :
GB1K1DL

Tot Ion: 83 Resp: 10341
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 3.2 36.6 54.8#

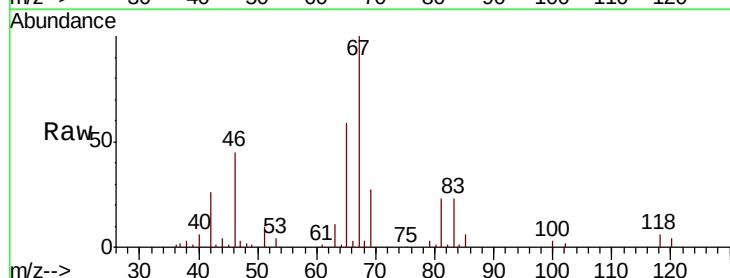


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

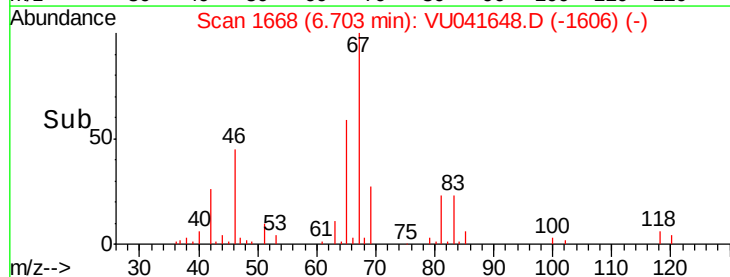
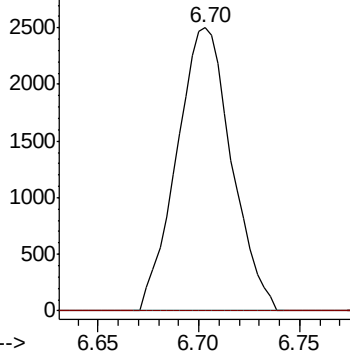


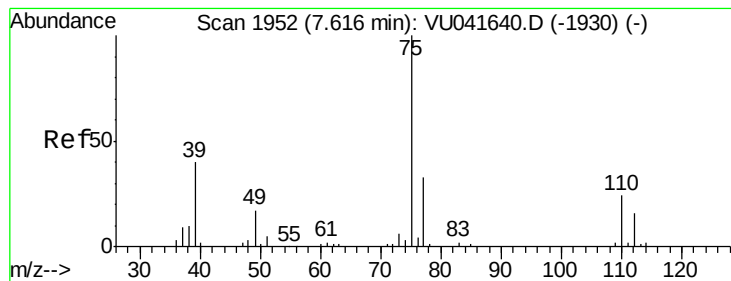
#37
1,2-Dichloropropane
Concen: 0.520 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041648.D
Acq: 15 Dec 2020 19:54

Tgt Ion: 63 Resp: 4754
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: 0.075 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041648.D

Acq: 15 Dec 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

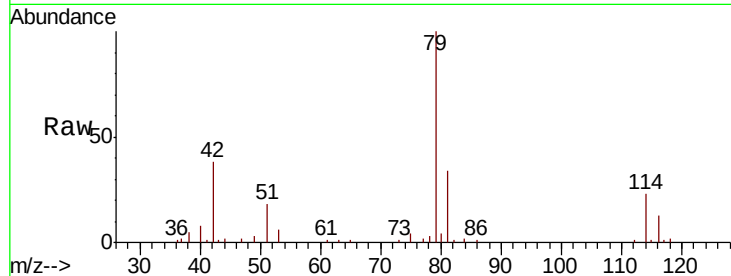
GB1K1DL

Tot Ion: 75 Resp: 1012

Ion Ratio Lower Upper

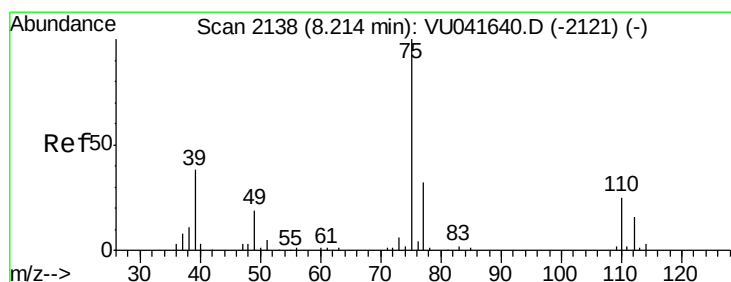
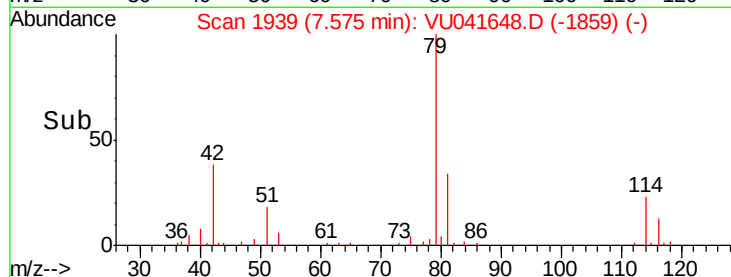
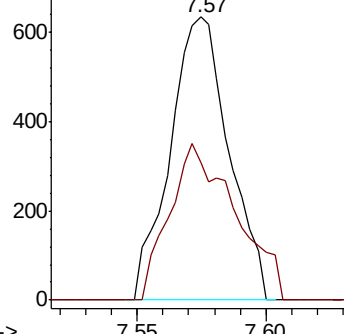
75 100

77 48.7 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: 0.050 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU041648.D

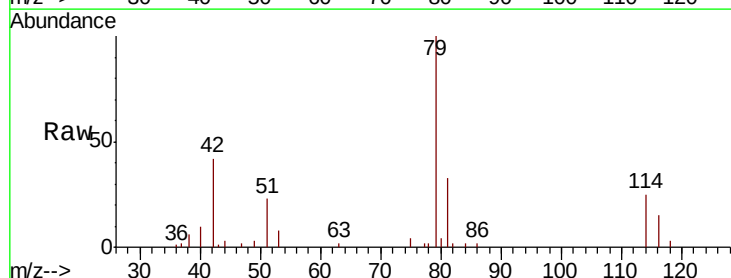
Acq: 15 Dec 2020 19:54

Tgt Ion: 75 Resp: 605

Ion Ratio Lower Upper

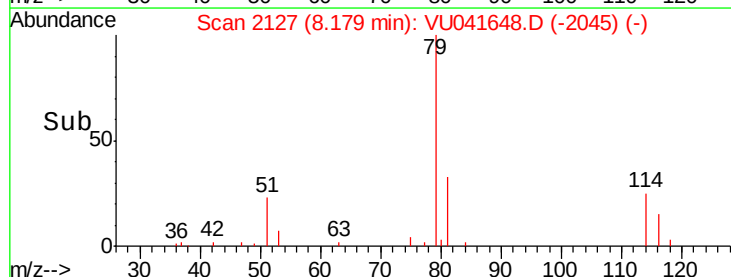
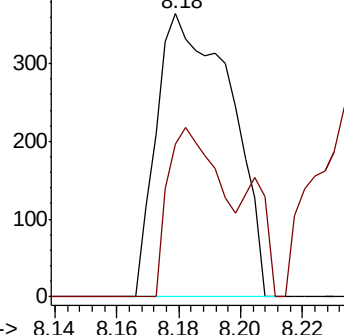
75 100

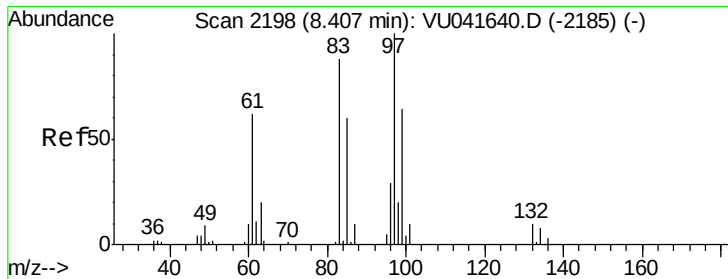
77 53.8 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.048 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU041648.D

Acq: 15 Dec 2020 19:54

Instrument :

MSVOA_U

ClientSampleID :

GB1K1DL

Tot Ion: 97 Resp: 328

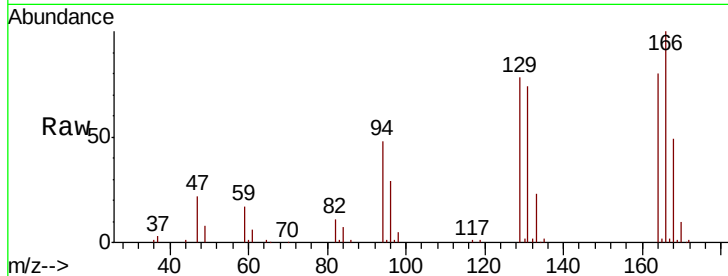
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.3#

83 166.8 62.6 116.2#

85 0.0 39.1 72.7#



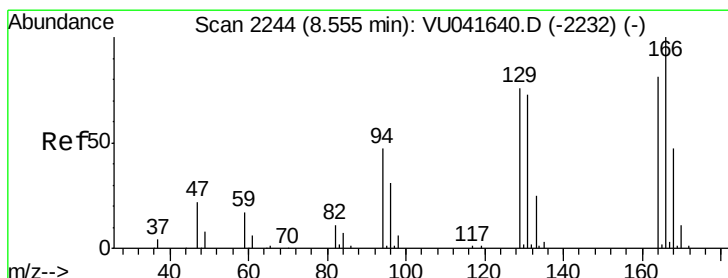
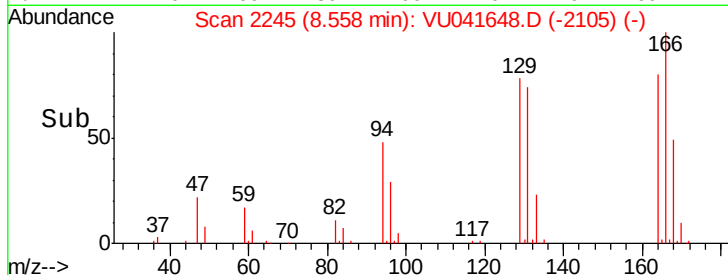
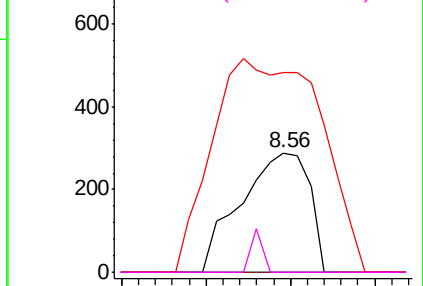
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 6.812 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041648.D

Acq: 15 Dec 2020 19:54

Tgt Ion: 164 Resp: 42850

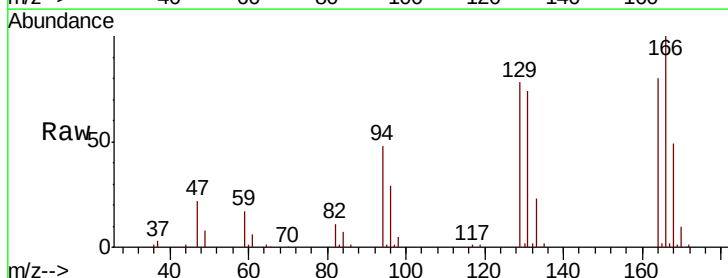
Ion Ratio Lower Upper

164 100

129 98.6 72.2 134.0

131 93.5 66.9 124.3

166 125.8 89.6 166.4



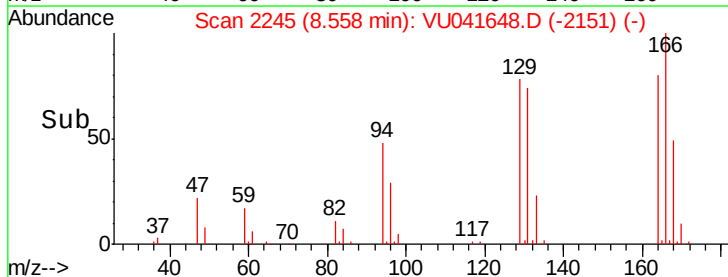
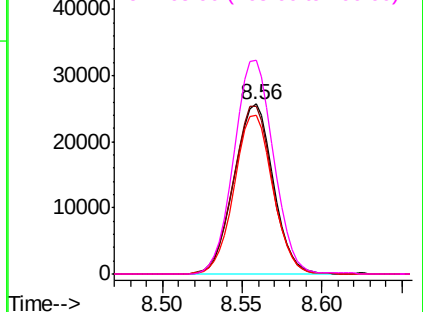
Abundance

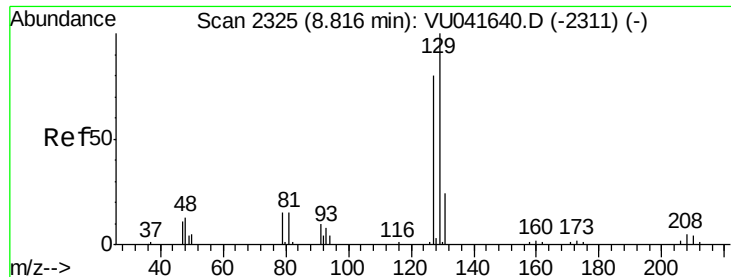
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 5.434 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU041648.D

Acq: 15 Dec 2020 19:54

Instrument :

MSVOA_U

ClientSampleId :

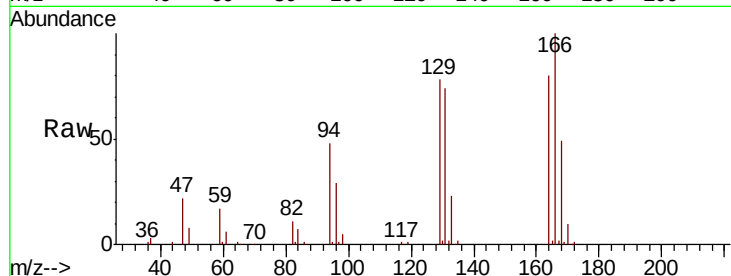
GB1K1DL

Tot Ion:129 Resp: 42222

Ion Ratio Lower Upper

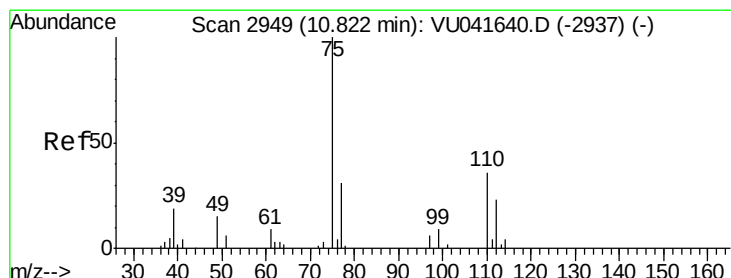
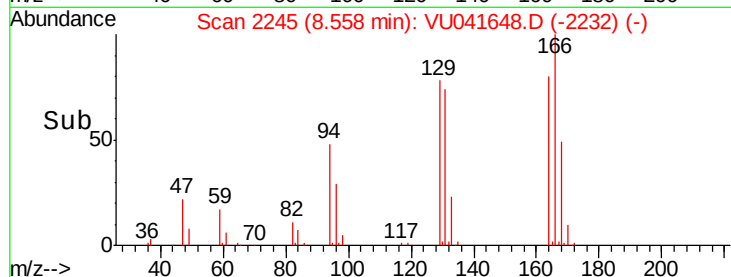
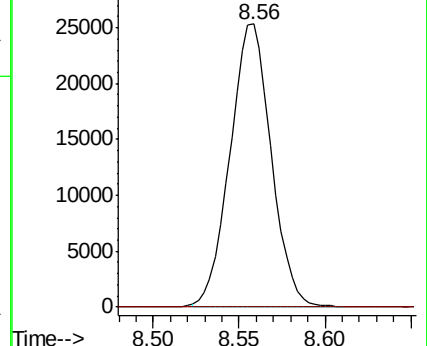
129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.807 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041648.D

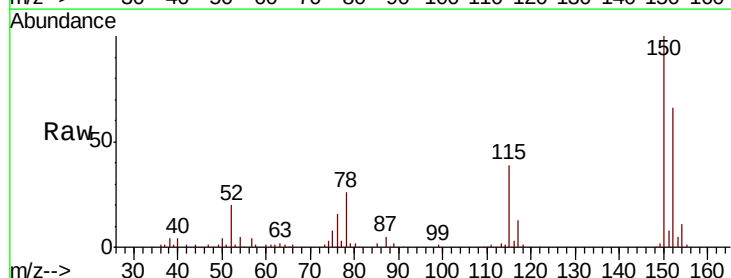
Acq: 15 Dec 2020 19:54

Tgt Ion: 75 Resp: 5547

Ion Ratio Lower Upper

75 100

77 36.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

