

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041732.D
 Acq On : 22 Dec 2020 11:28
 Operator : SY/MD
 Sample : L5148-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T4

Quant Time: Dec 23 04:06:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 04:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	134450	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129537	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57351	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	34912	3.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.40%
7) Chloroethane-d5	1.92	69	39917	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.58	63	57801	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.65	46	157172	52.05	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.10%
24) Chloroform-d	5.08	84	84281	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.72	65	48402	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.74	84	164302	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.70	67	55136	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.90	98	135018	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	8.19	79	20675	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.64	63	139270	48.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52178	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	54271	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

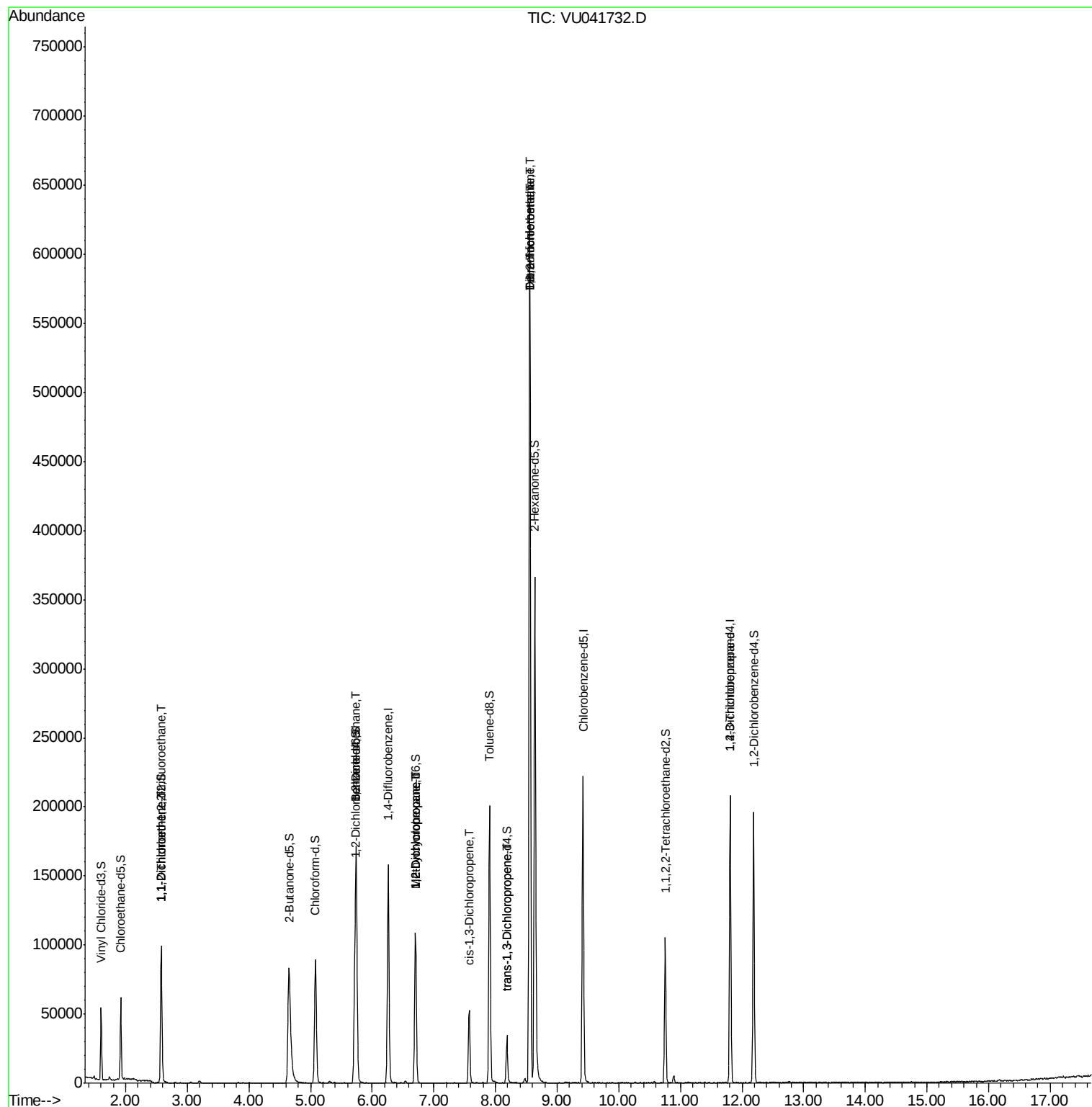
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	563	0.061	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	1470	0.161	ug/L #	1
27) 1,2-Dichloroethane	5.74	62	762	0.063	ug/L #	73
35) Methylcyclohexane	6.70	83	12880	0.765	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5826	0.550	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1104	0.070	ug/L #	58
44) trans-1,3-Dichloropropene	8.18	75	616	0.044	ug/L #	72
45) 1,1,2-Trichloroethane	8.55	97	977	0.125	ug/L #	1
47) Tetrachloroethene	8.56	164	145568	19.975	ug/L	96
49) Dibromochloromethane	8.56	129	139237	15.469	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6392	0.803	ug/L	100

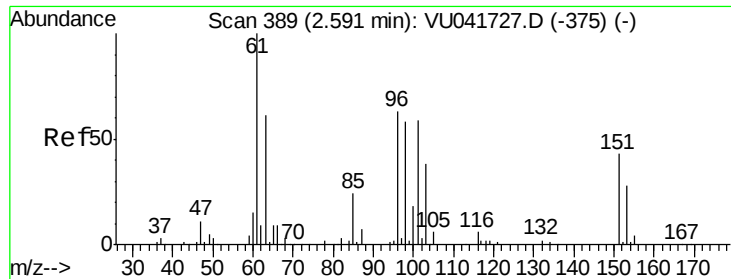
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 23 04:05:15 2020
Response via : Initial Calibration





#10

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

Concen: 0.061 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041732.D

Acq: 22 Dec 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

GB1T4

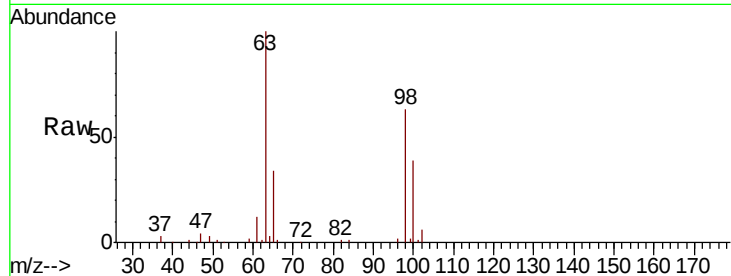
Tot Ion:101 Resp: 563

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

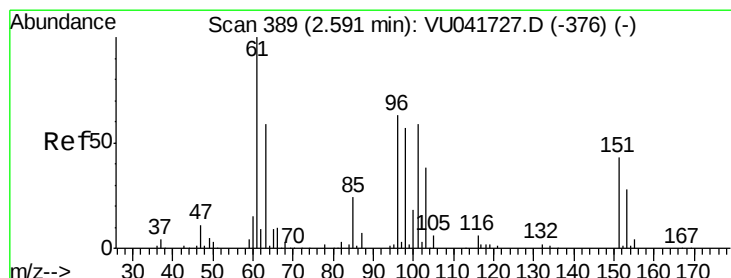
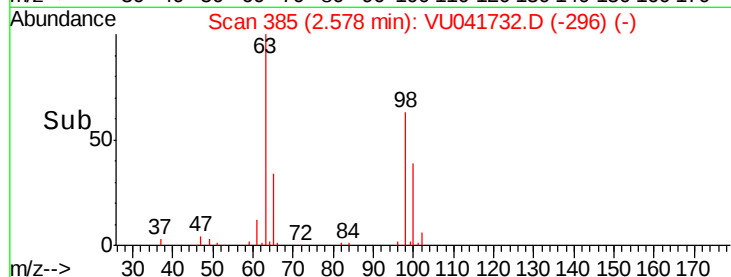
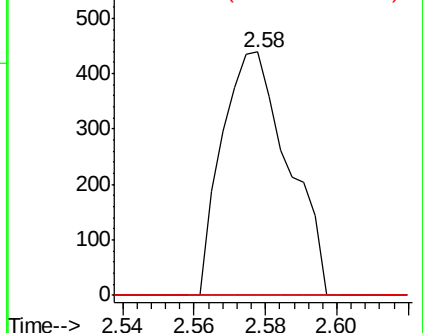
151 0.0 56.2 84.4#



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



#12

1,1-Dichloroethene

Concen: 0.161 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041732.D

Acq: 22 Dec 2020 11:28

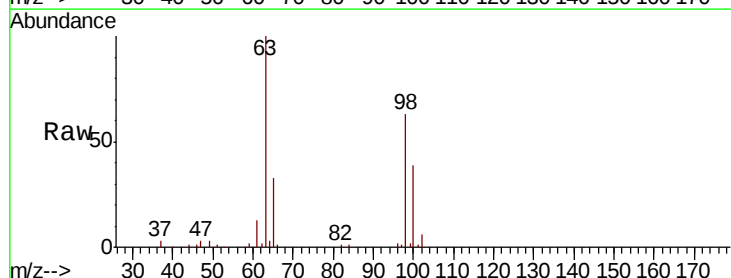
Tgt Ion: 96 Resp: 1470

Ion Ratio Lower Upper

96 100

61 602.6 123.8 230.0#

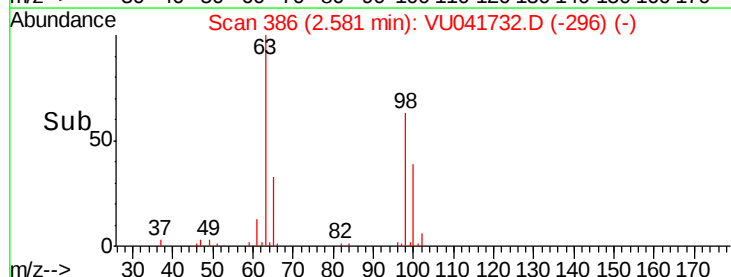
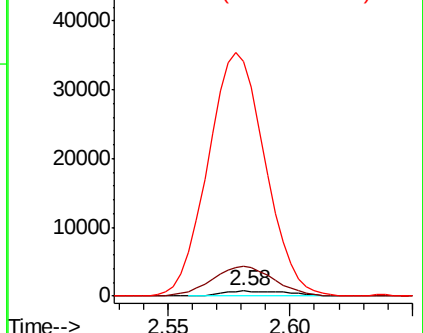
63 4719.3 81.0 150.4#

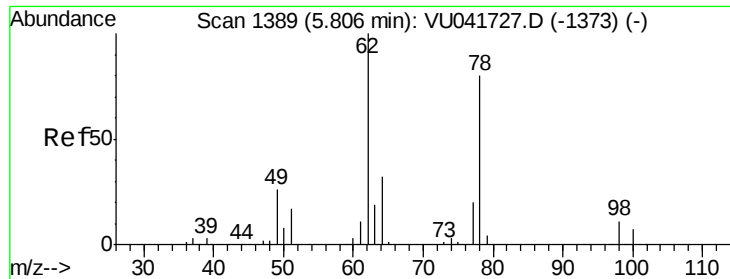


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

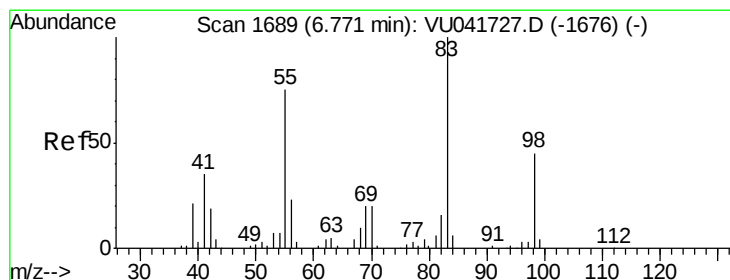
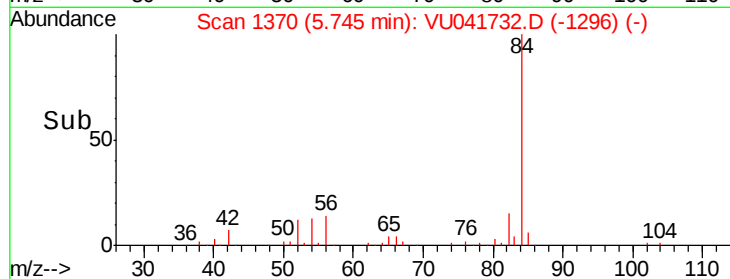
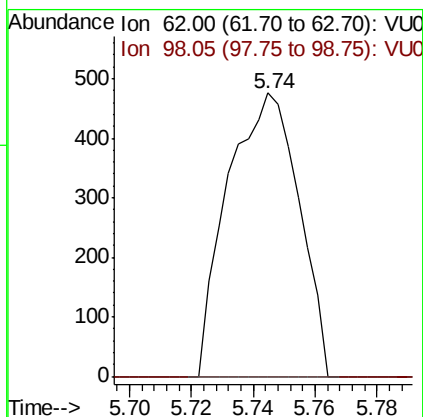
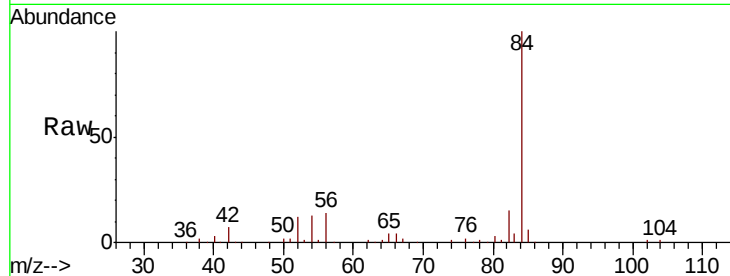




#27
 1,2-Dichloroethane
 Concen: 0.063 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041732.D
 Acq: 22 Dec 2020 11:28

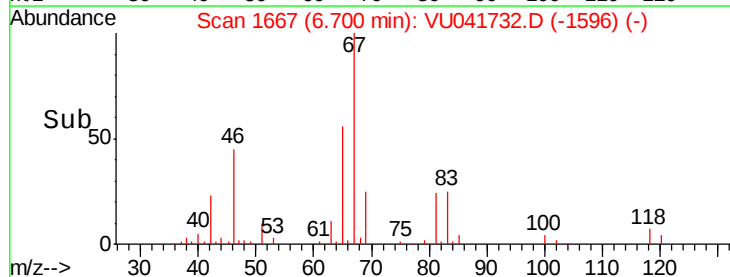
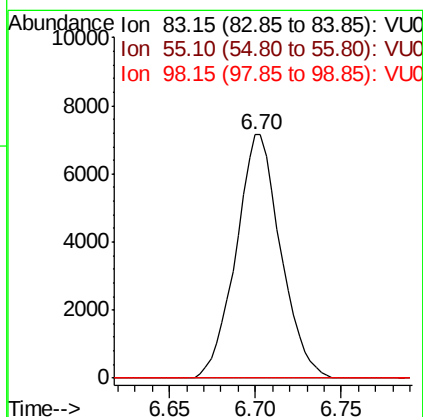
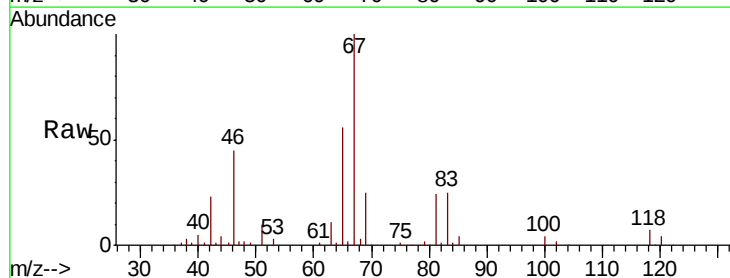
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T4

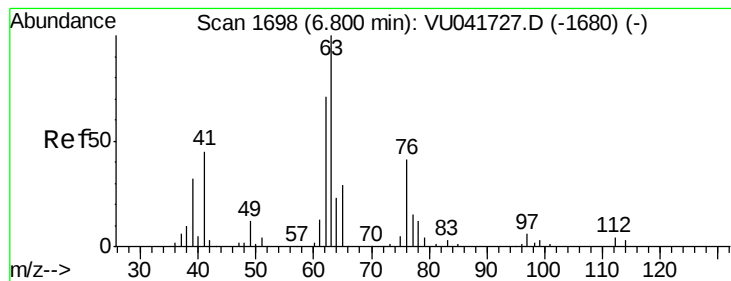
Tot Ion: 62 Resp: 762
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#35
 Methylcyclohexane
 Concen: 0.765 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041732.D
 Acq: 22 Dec 2020 11:28

Tgt Ion: 83 Resp: 12880
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 1.7 36.6 54.8#





#37

1,2-Dichloropropane

Concen: 0.550 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041732.D

Acq: 22 Dec 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

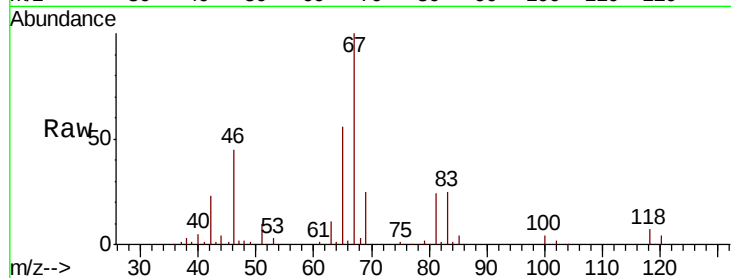
GB1T4

Tot Ion: 63 Resp: 5826

Ion Ratio Lower Upper

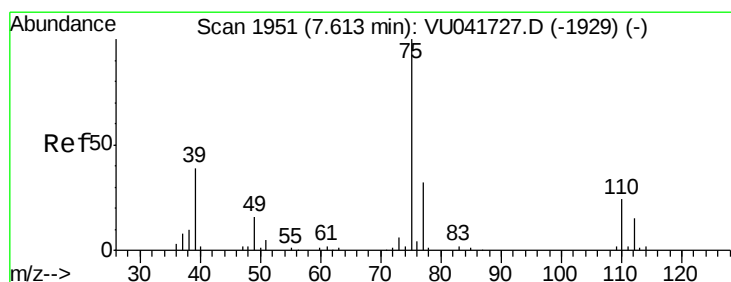
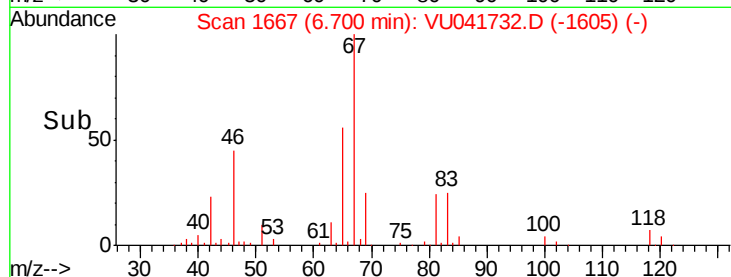
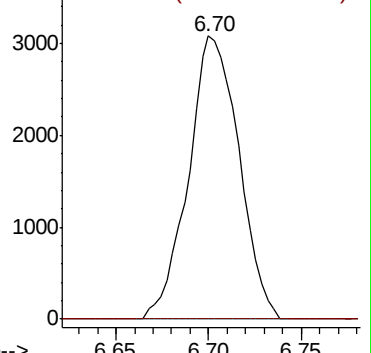
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041732.D (-1680) (-)

Ion 112.10 (111.80 to 112.80): VU041732.D (-1680) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041732.D

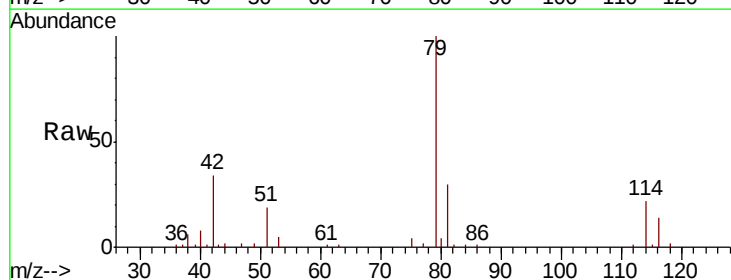
Acq: 22 Dec 2020 11:28

Tgt Ion: 75 Resp: 1104

Ion Ratio Lower Upper

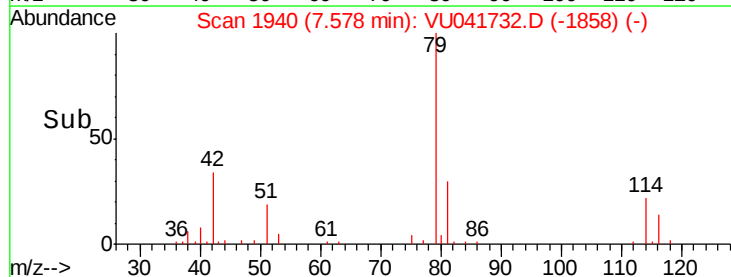
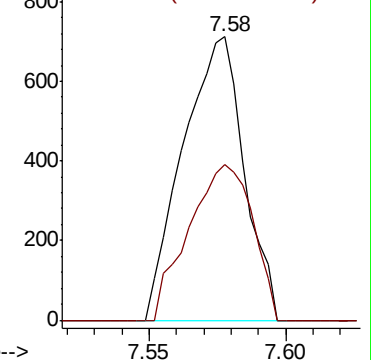
75 100

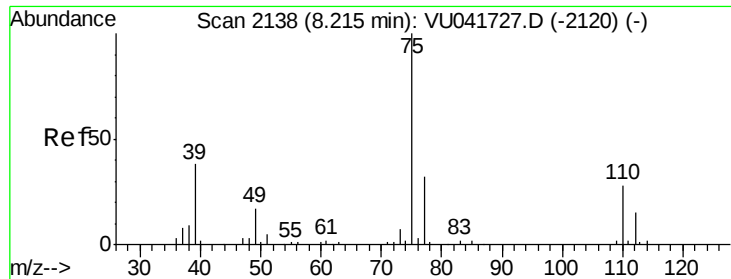
77 55.1 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041732.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041732.D (-1858) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.044 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU041732.D

Acq: 22 Dec 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

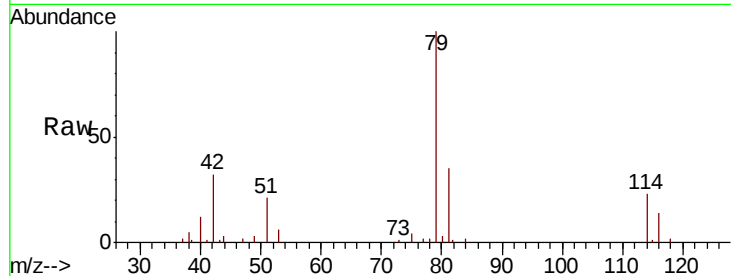
GB1T4

Tot Ion: 75 Resp: 616

Ion Ratio Lower Upper

75 100

77 50.3 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

400

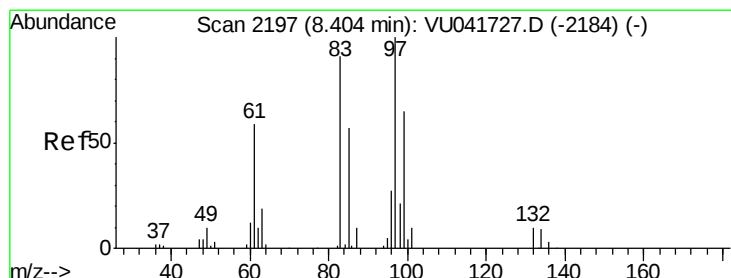
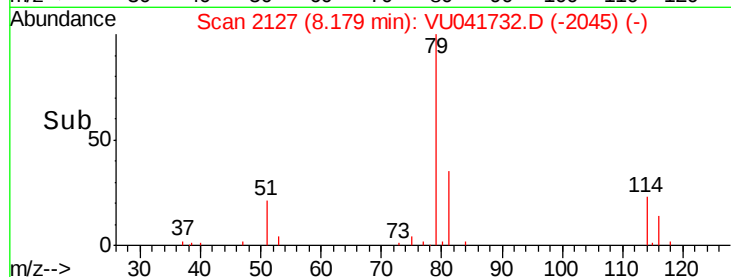
300

200

100

0

Time--> 8.14 8.16 8.18 8.20 8.22



#45

1,1,2-Trichloroethane

Concen: 0.125 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. 0.15 min

Lab File: VU041732.D

Acq: 22 Dec 2020 11:28

Tgt Ion: 97 Resp: 977

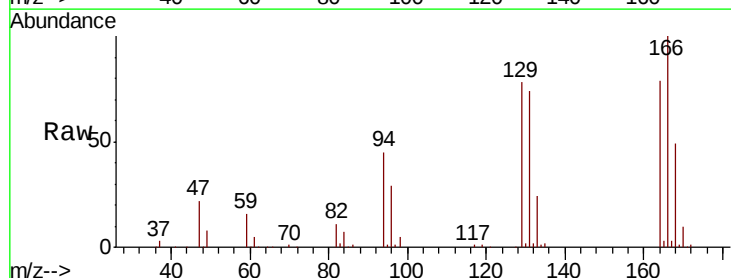
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.3#

83 283.6 62.6 116.2#

85 32.2 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

3000

2500

2000

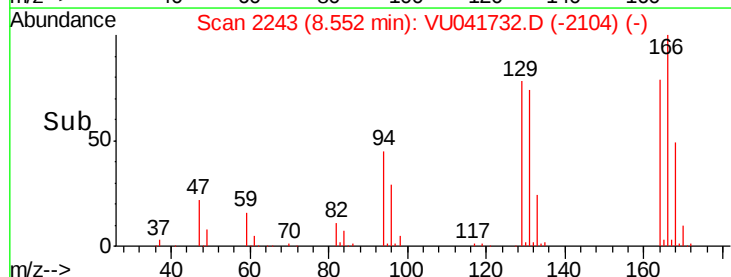
1500

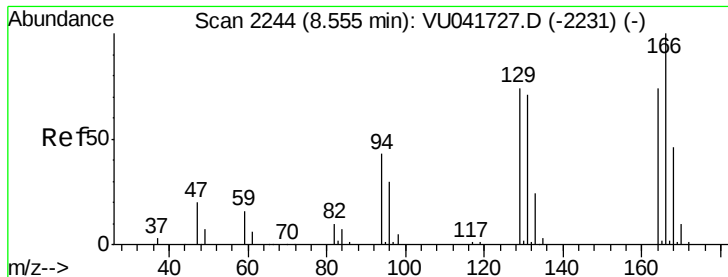
1000

500

0

Time--> 8.55 8.60





#47

Tetrachloroethene

Concen: 19.975 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041732.D

Acq: 22 Dec 2020 11:28

Instrument :

MSVOA_U

ClientSampleId :

GB1T4

Tot Ion:164 Resp: 145568

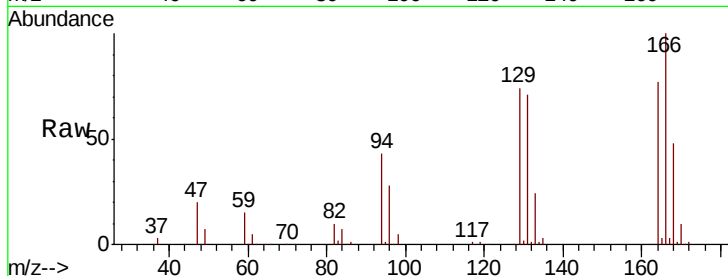
Ion Ratio Lower Upper

164 100

129 96.7 72.2 134.0

131 92.6 66.9 124.3

166 130.0 89.6 166.4

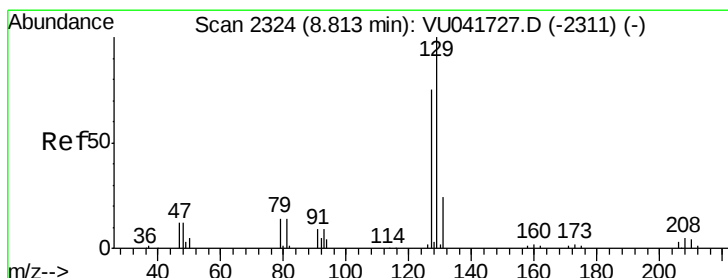
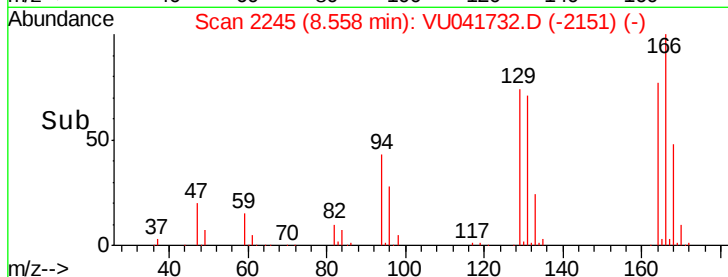
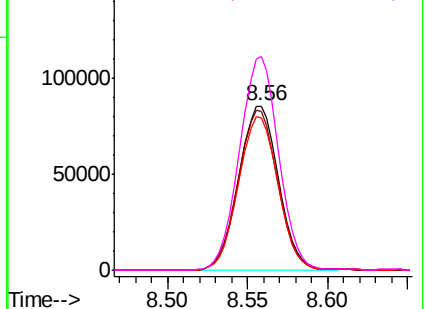


Abundance Ion 163.90 (163.60 to 164.60): V

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: 15.469 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041732.D

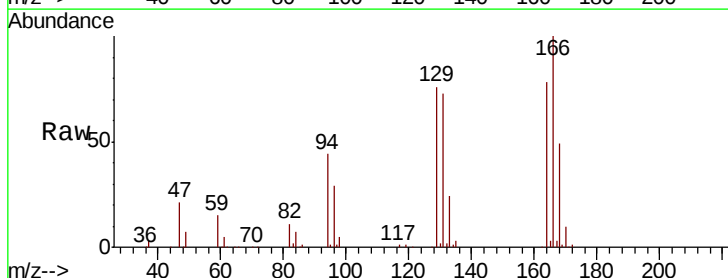
Acq: 22 Dec 2020 11:28

Tgt Ion:129 Resp: 139237

Ion Ratio Lower Upper

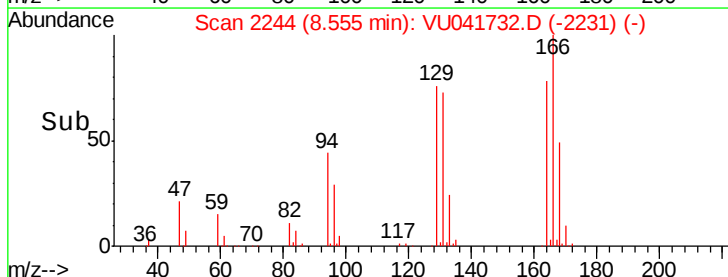
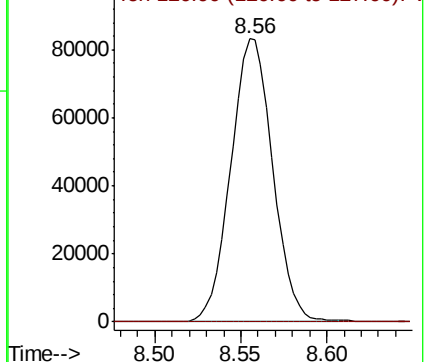
129 100

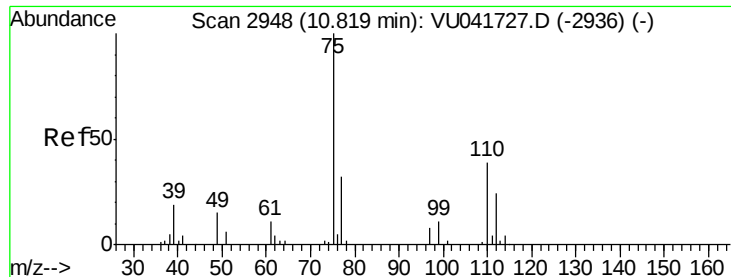
127 0.2 54.7 101.7#



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: 0.803 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041732.D

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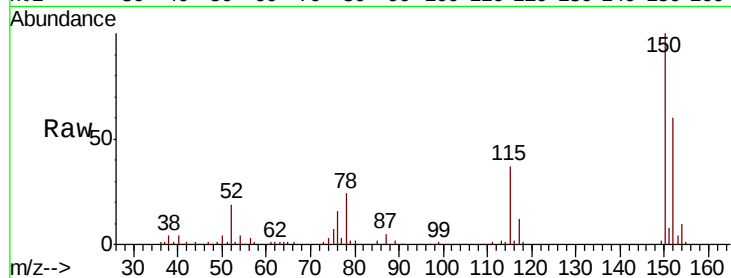
GB1T4

Tot Ion: 75 Resp: 6392

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

