

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041609.D
 Acq On : 14 Dec 2020 13:42
 Operator : SY/MD
 Sample : L5029-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K1

Quant Time: Dec 15 00:48:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 15 00:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128248	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	131710	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	66690	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30731	3.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.40%
7) Chloroethane-d5	1.92	69	30801	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.58	63	49791	2.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	4.65	46	145046	50.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.72%
24) Chloroform-d	5.08	84	76965	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.72	65	46731	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.74	84	150732	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	6.70	67	50268	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.91	98	135482	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	8.19	79	21215	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.64	63	126018	43.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48742	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	55784	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	416	0.053 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	537	0.061 ug/L #	22
13) Acetone	2.66	43	4418	2.412 ug/L	86
21) 2-Butanone	4.73	43	4051	1.358 ug/L	88
22) cis-1,2-Dichloroethene	4.69	96	2760	0.278 ug/L	87
25) Chloroform	5.10	83	1497	0.088 ug/L #	65
33) Benzene	5.79	78	1438	0.034 ug/L	100
34) Trichloroethene	6.56	95	20020	1.891 ug/L	95
35) Methylcyclohexane	6.70	83	11911	0.696 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5189	0.482 ug/L #	88
44) trans-1,3-Dichloropropene	8.18	75	775	0.054 ug/L #	70
45) 1,1,2-Trichloroethane	8.56	97	19156	2.404 ug/L #	1
47) Tetrachloroethene	8.56	164	2266355	305.861 ug/L	98
49) Dibromochloromethane	8.56	129	2206740	241.114 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7365	0.910 ug/L	97
67) 1,3,5-Trichlorobenzene	13.83	180	1462	0.094 ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	1462	0.113 ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 15 00:46:25 2020
Response via : Initial Calibration

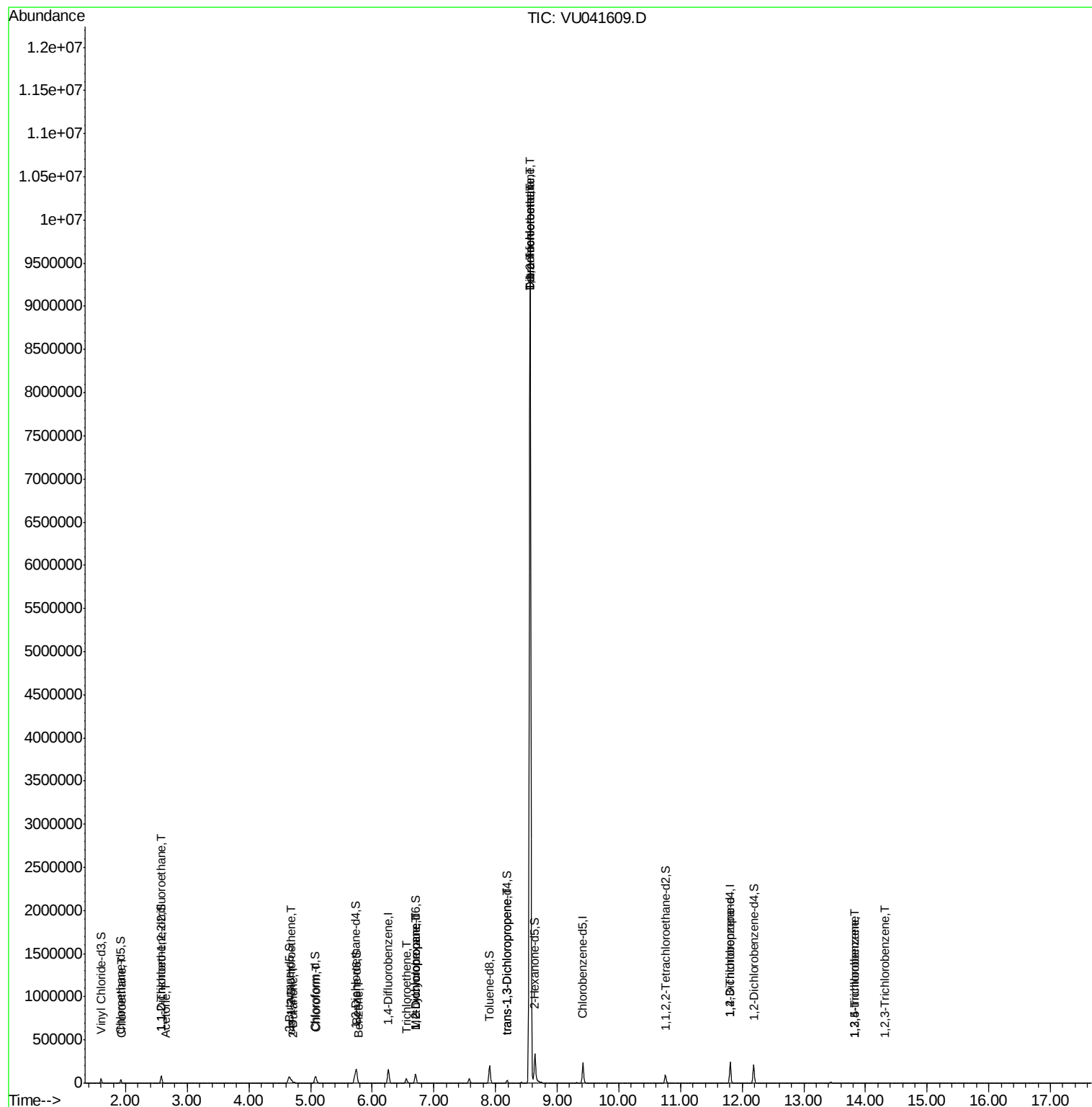
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	14.32	180	1199	0.097	ug/L #	68

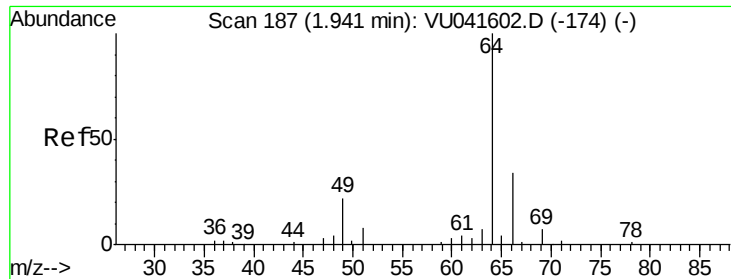
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121420\
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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.053 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

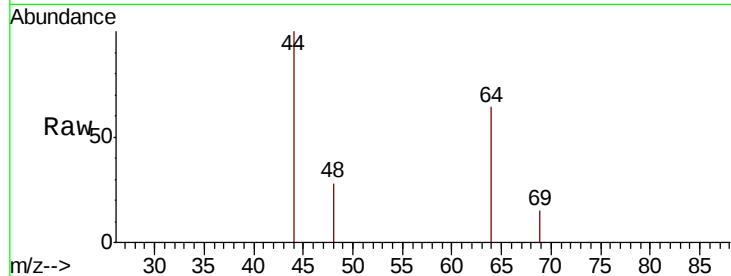
GB1K1

Tot Ion: 64 Resp: 416

Ion Ratio Lower Upper

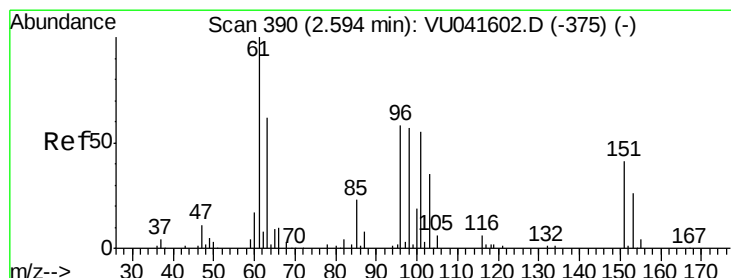
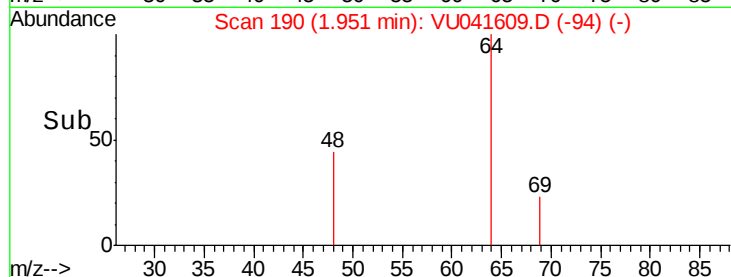
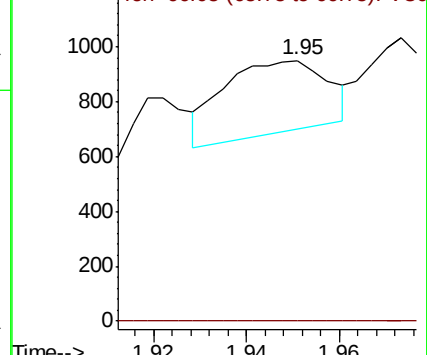
64 100

66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU041609.D (-94) (-)

Ion 66.05 (65.75 to 66.75): VU041609.D (-94) (-)



#10

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

Concen: 0.061 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

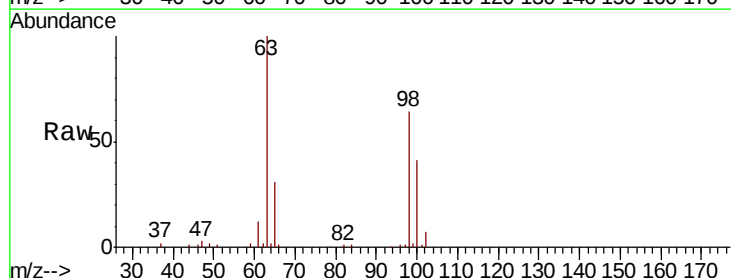
Tgt Ion: 101 Resp: 537

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

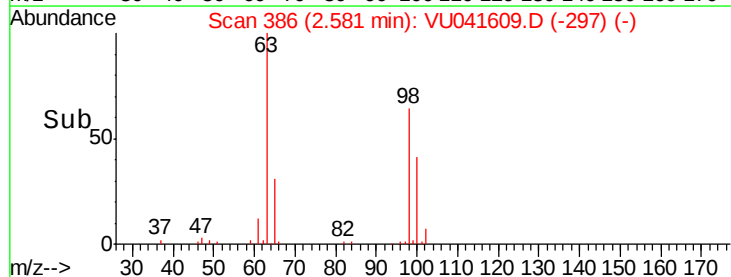
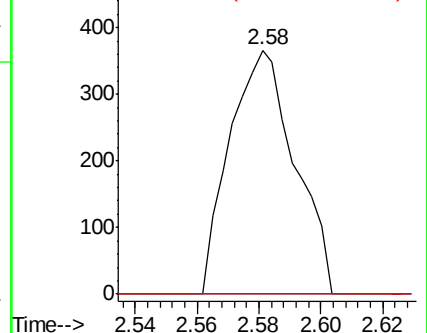
151 0.0 56.2 84.4#

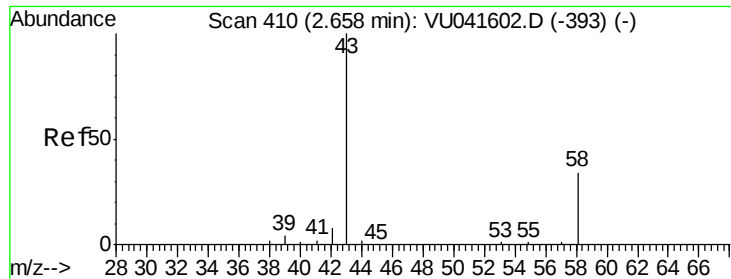


Abundance Ion 101.00 (100.70 to 101.70): VU041609.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU041609.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU041609.D (-297) (-)





#13

Acetone

Concen: 2.412 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

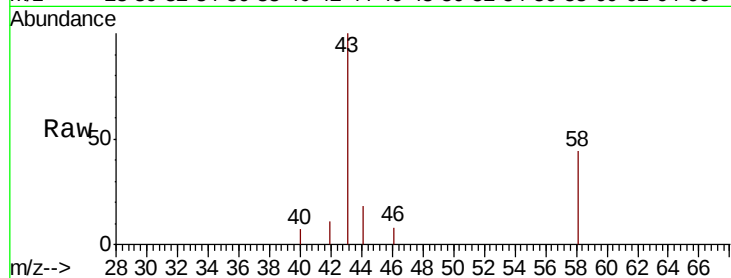
GB1K1

Tot Ion: 43 Resp: 4418

Ion Ratio Lower Upper

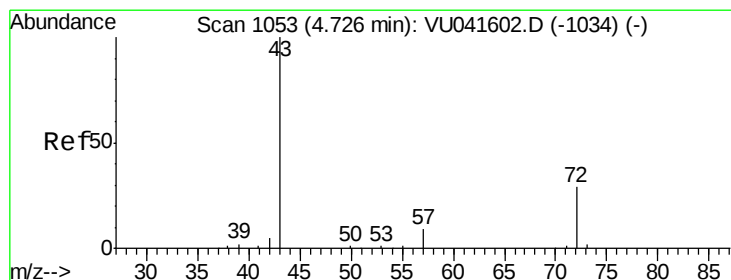
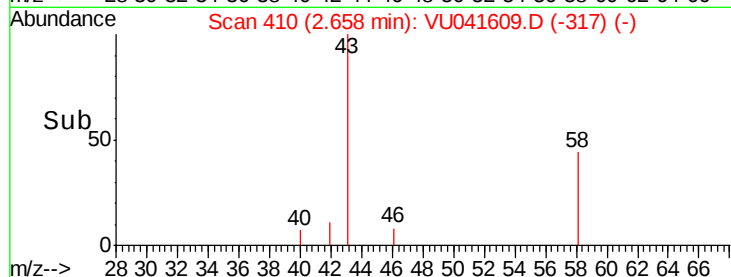
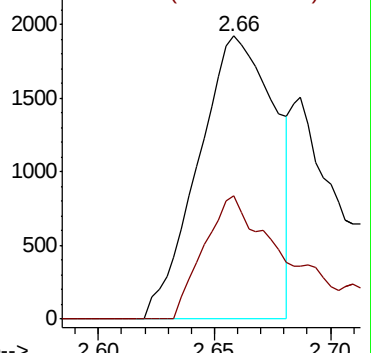
43 100

58 45.0 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#21

2-Butanone

Concen: 1.358 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU041609.D

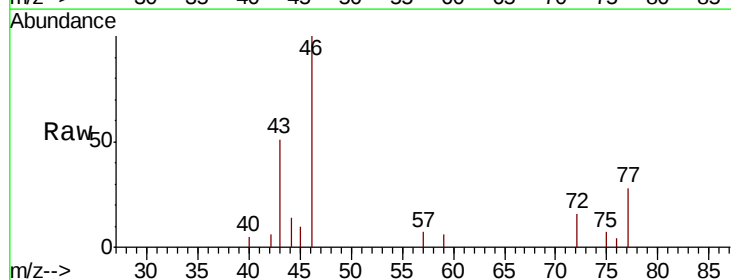
Acq: 14 Dec 2020 13:42

Tgt Ion: 43 Resp: 4051

Ion Ratio Lower Upper

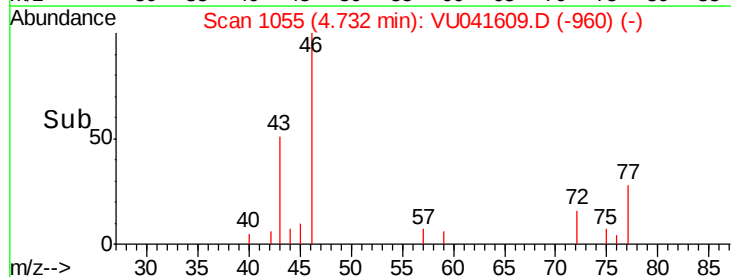
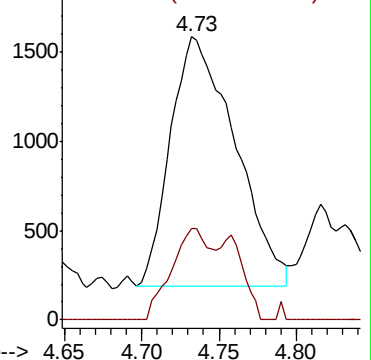
43 100

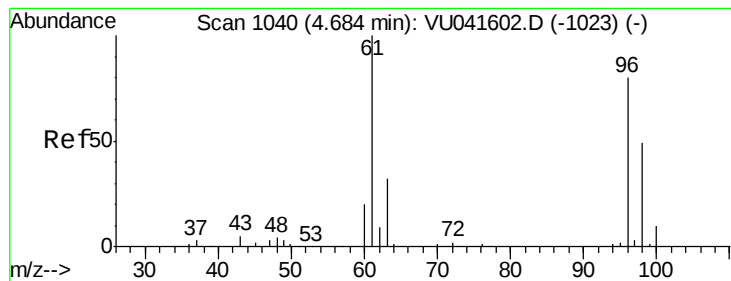
72 23.0 14.6 44.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.278 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

GB1K1

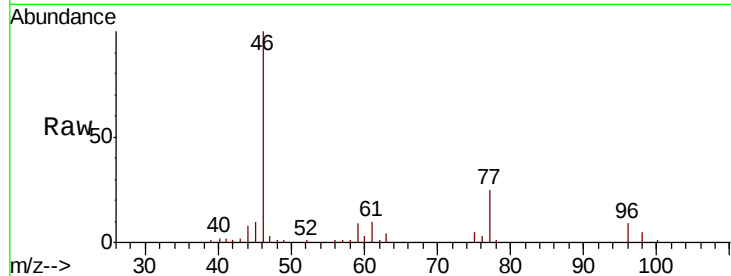
Tot Ion: 96 Resp: 2760

Ion Ratio Lower Upper

96 100

61 112.3 88.8 165.0

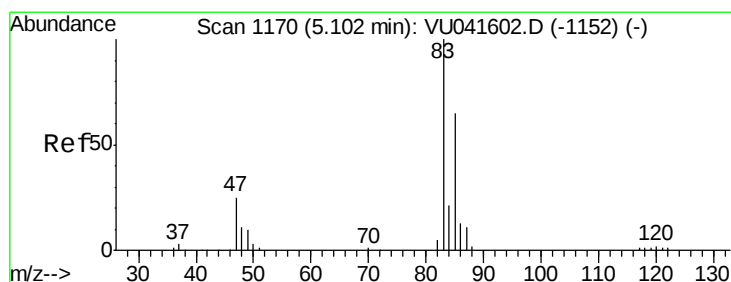
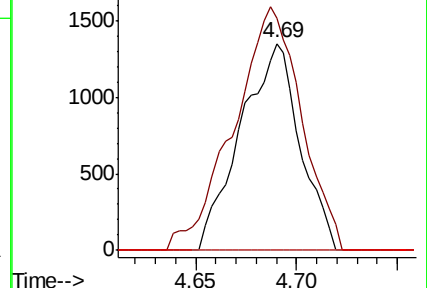
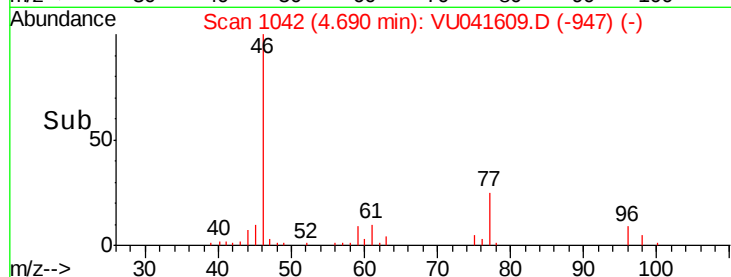
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041609.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041609.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041609.D (-947) (-)



#25

Chloroform

Concen: 0.088 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VU041609.D

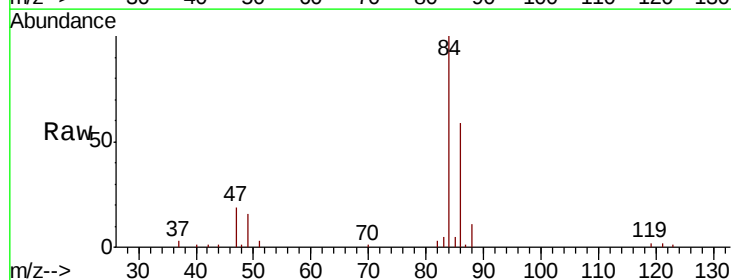
Acq: 14 Dec 2020 13:42

Tgt Ion: 83 Resp: 1497

Ion Ratio Lower Upper

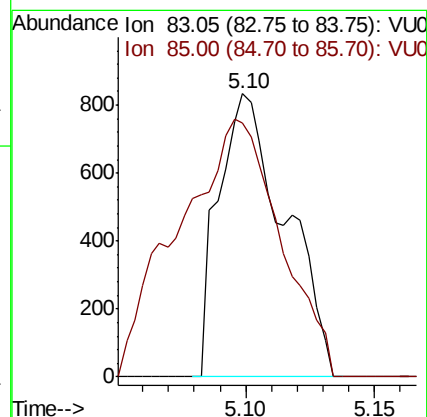
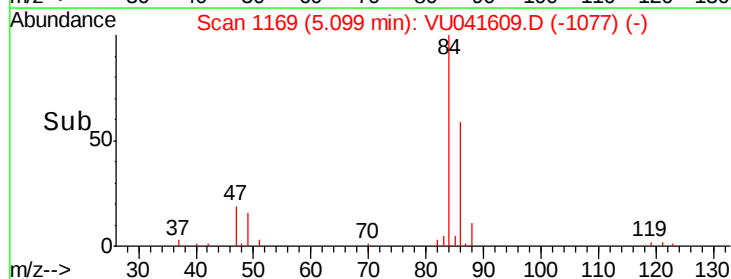
83 100

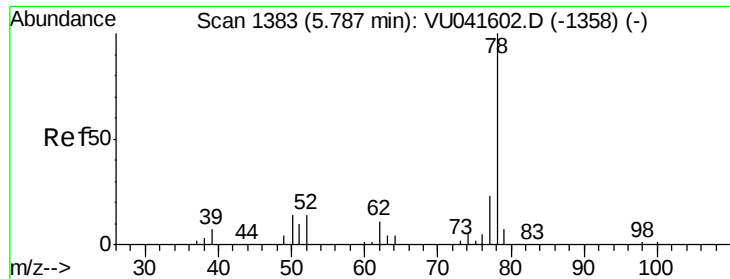
85 89.9 44.2 82.0#



Abundance Ion 83.05 (82.75 to 83.75): VU041609.D (-1077) (-)

Ion 85.00 (84.70 to 85.70): VU041609.D (-1077) (-)





#33

Benzene

Concen: 0.034 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

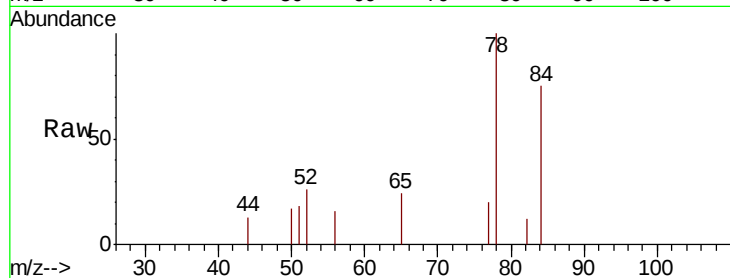
Instrument :

MSVOA_U

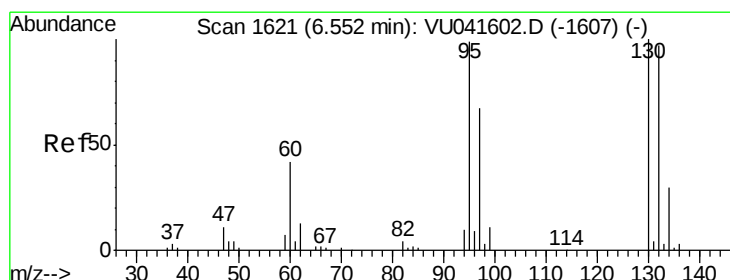
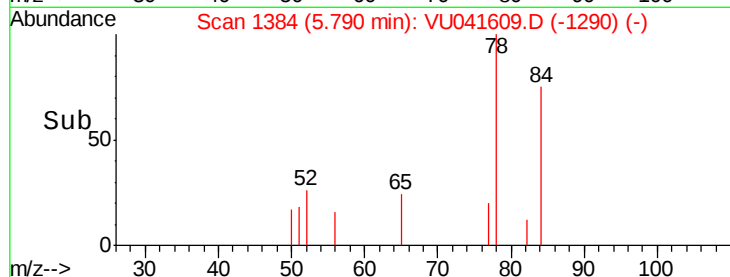
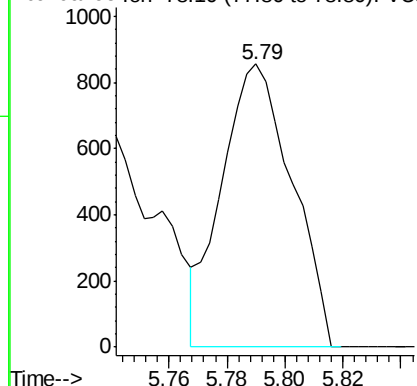
ClientSampleId :

GB1K1

Tgt Ion: 78 Resp: 1438



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 1.891 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

Tgt Ion: 95 Resp: 20020

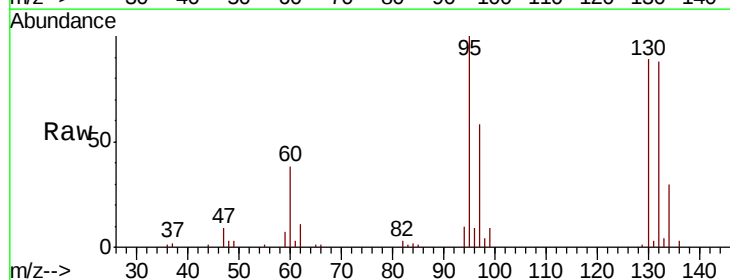
Ion Ratio Lower Upper

95 100

97 57.9 43.9 81.5

132 87.9 63.1 117.3

130 89.2 67.4 125.2

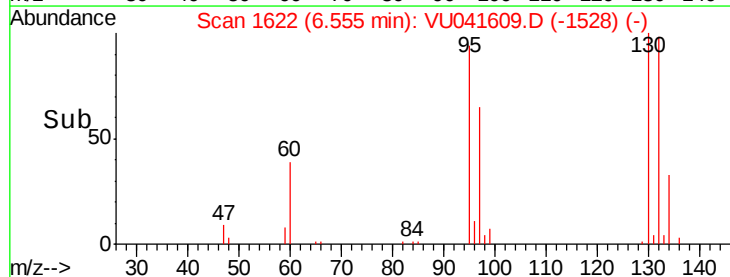
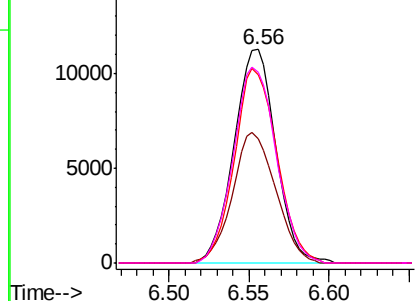


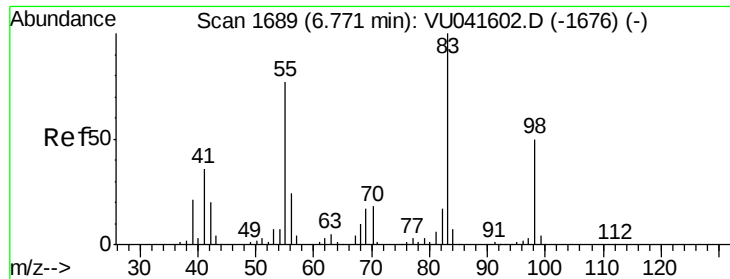
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

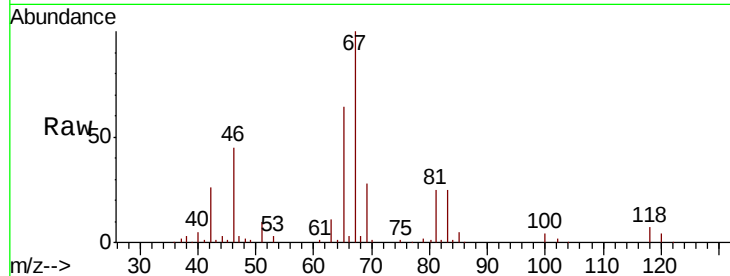




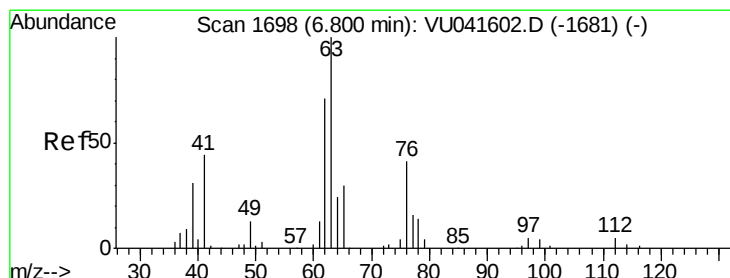
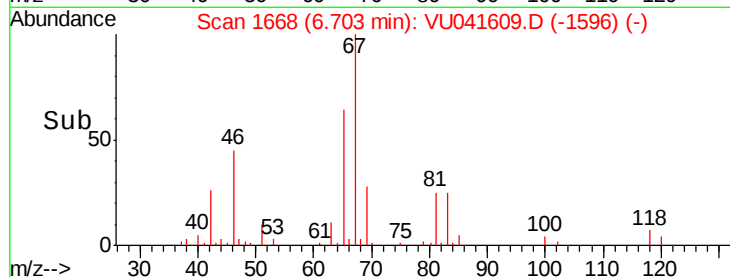
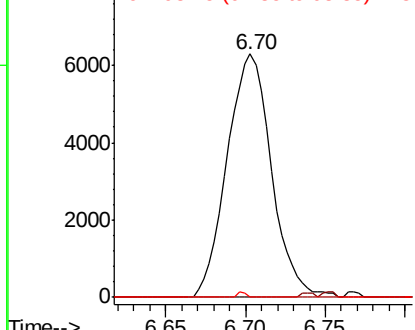
#35
Methvlcvclohexane
Concen: 0.696 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041609.D
Acq: 14 Dec 2020 13:42

Instrument :
MSVOA_U
ClientSampleId :
GB1K1

Tot Ion: 83 Resp: 11911
Ion Ratio Lower Upper
83 100
55 0.5 61.2 91.8#
98 0.4 36.6 54.8#

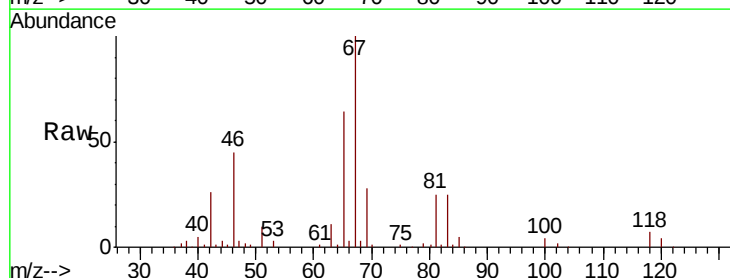


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

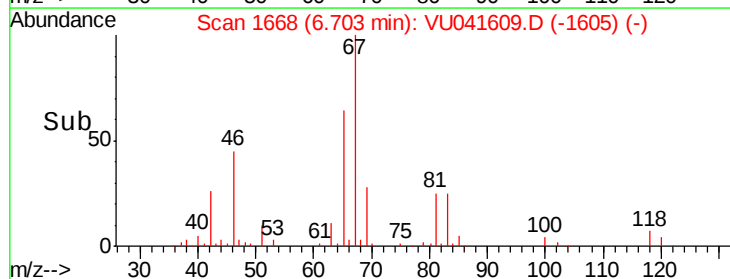
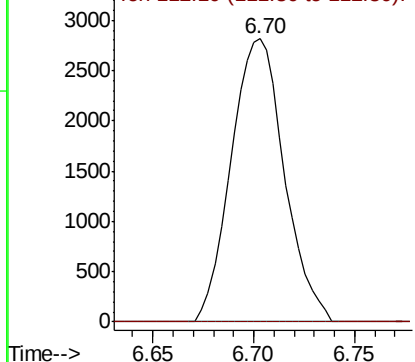


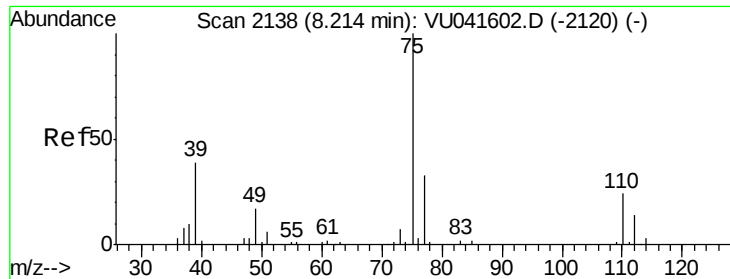
#37
1,2-Dichloropropane
Concen: 0.482 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041609.D
Acq: 14 Dec 2020 13:42

Tgt Ion: 63 Resp: 5189
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





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

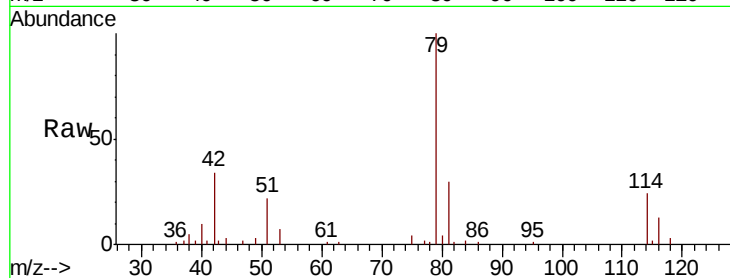
GB1K1

Tot Ion: 75 Resp: 775

Ion Ratio Lower Upper

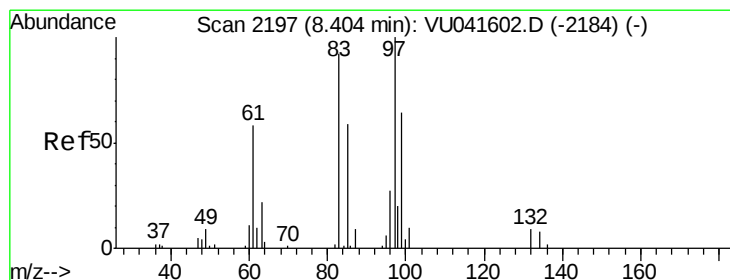
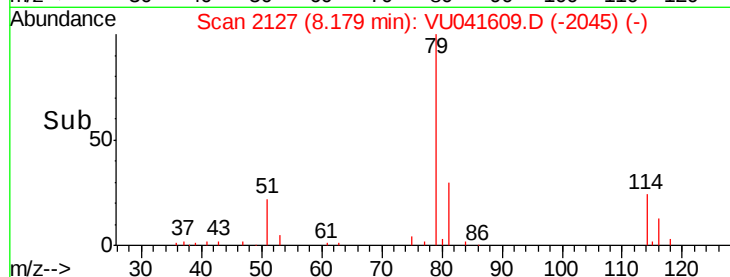
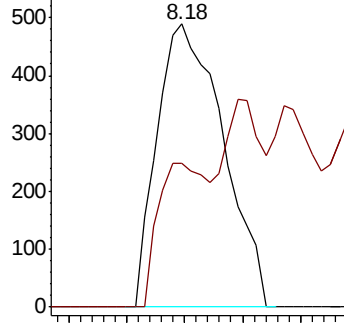
75 100

77 50.9 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: 2.404 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

Tgt Ion: 97 Resp: 19156

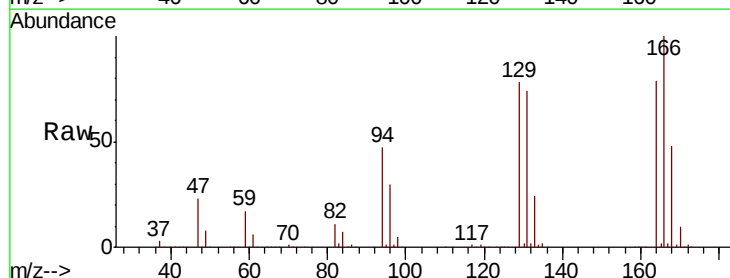
Ion Ratio Lower Upper

97 100

99 14.4 42.1 78.3#

83 270.0 62.6 116.2#

85 37.9 39.1 72.7#

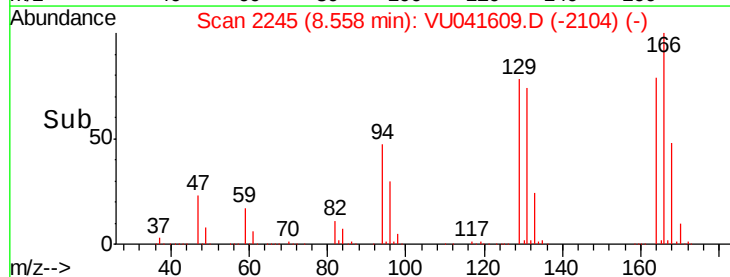
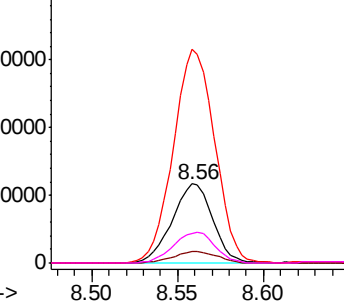


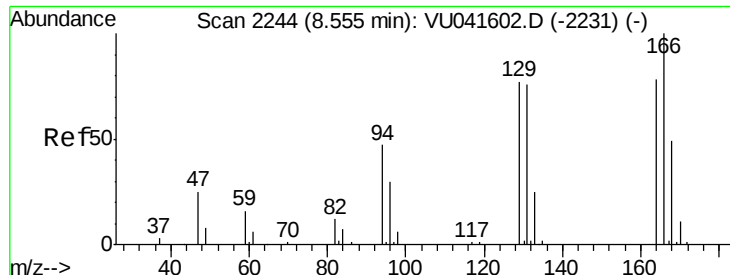
Abundance Ion 96.95 (96.65 to 97.65): VU0

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

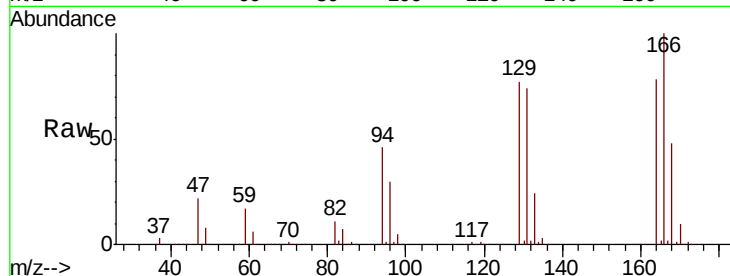




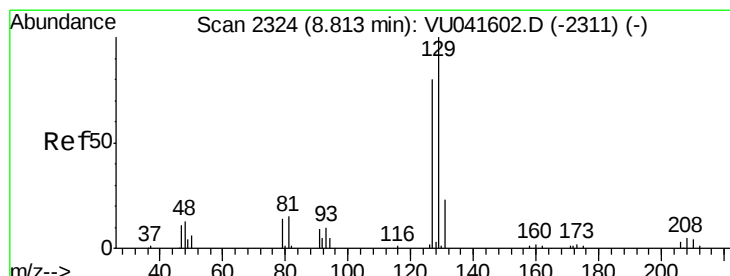
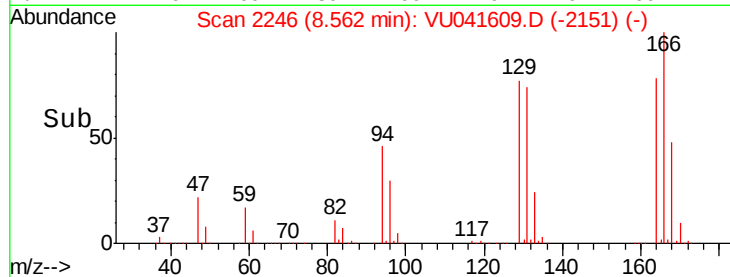
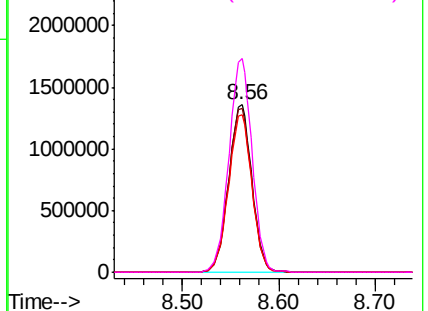
#47
Tetrachloroethene
Concen: 305.861 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VU041609.D
Acq: 14 Dec 2020 13:42

Instrument :
MSVOA_U
ClientSampleId :
GB1K1

Tot Ion:164 Resp: 2266355
Ion Ratio Lower Upper
164 100
129 97.8 72.2 134.0
131 94.3 66.9 124.3
166 127.6 89.6 166.4

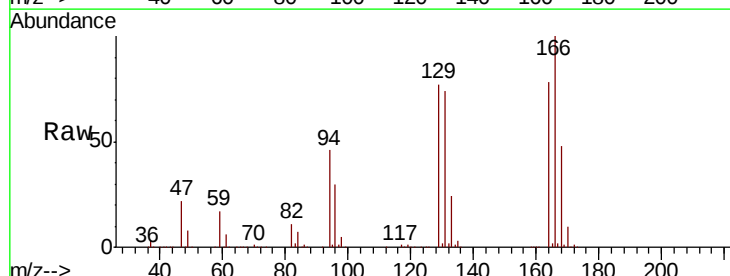


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

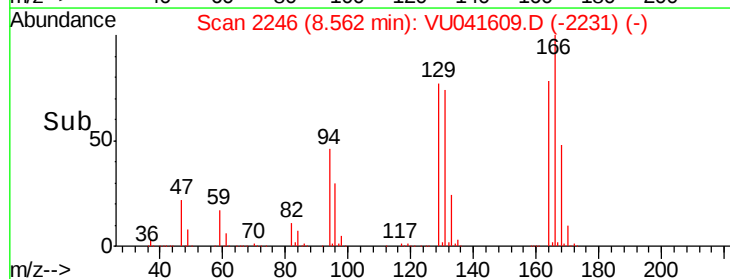
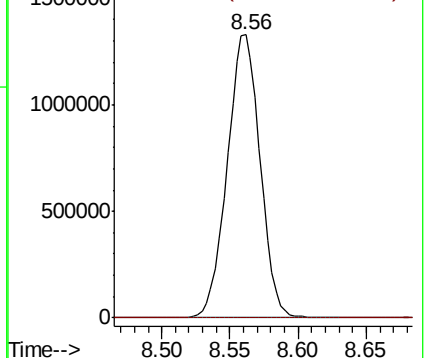


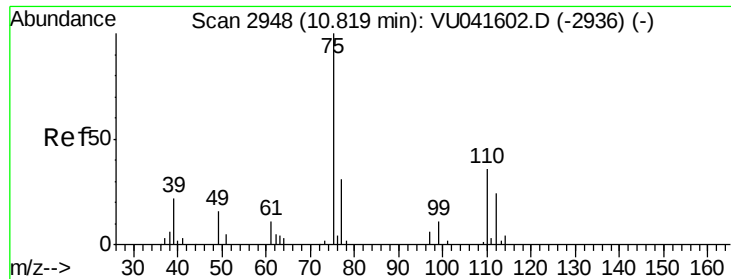
#49
Dibromochloromethane
Concen: 241.114 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. -0.25 min
Lab File: VU041609.D
Acq: 14 Dec 2020 13:42

Tgt Ion:129 Resp: 2206740
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

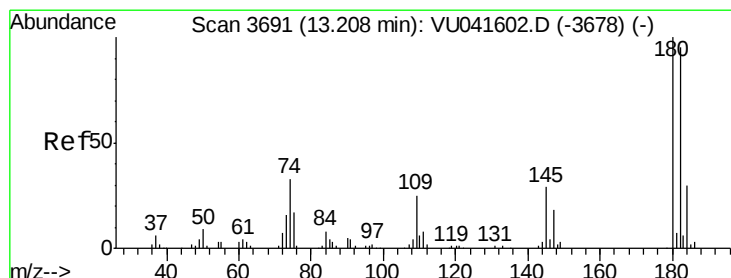
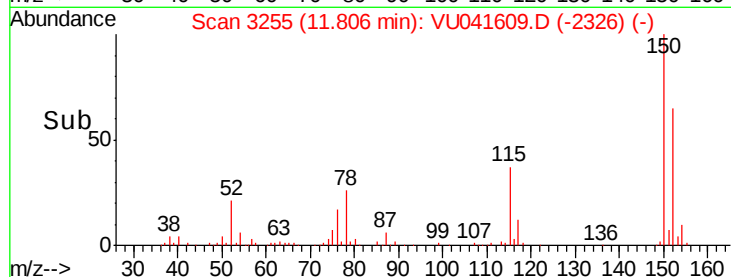
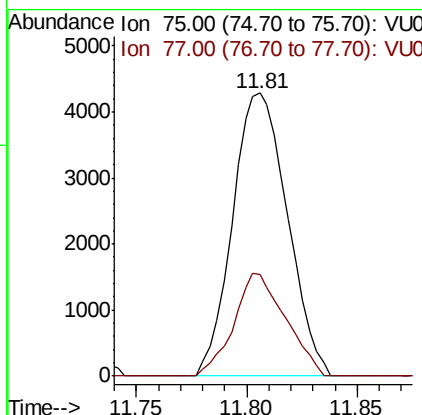
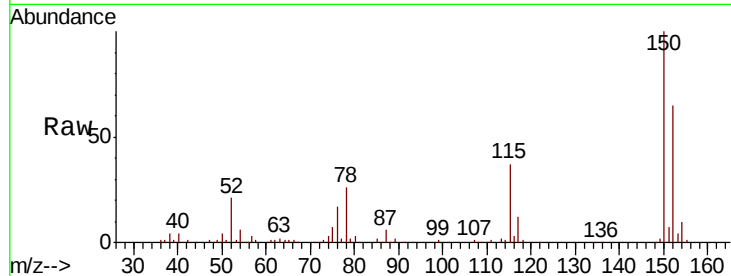




#59
 1,2,3-Trichloropropane
 Concen: 0.910 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.99 min
 Lab File: VU041609.D
 Acq: 14 Dec 2020 13:42

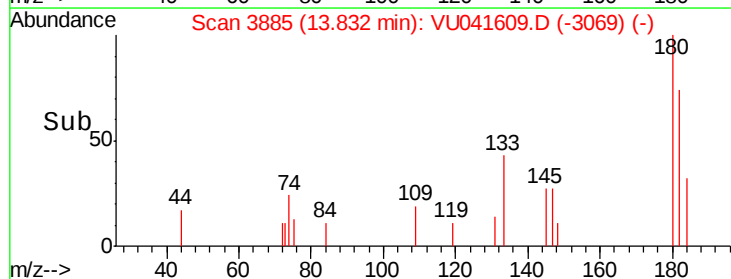
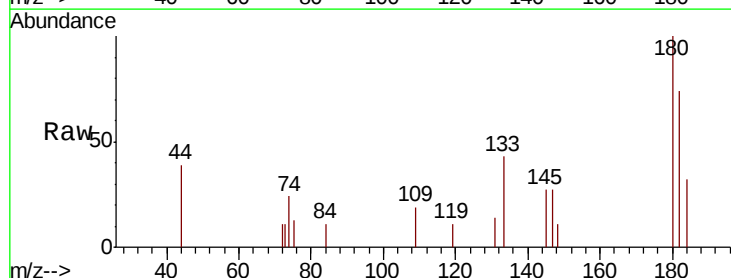
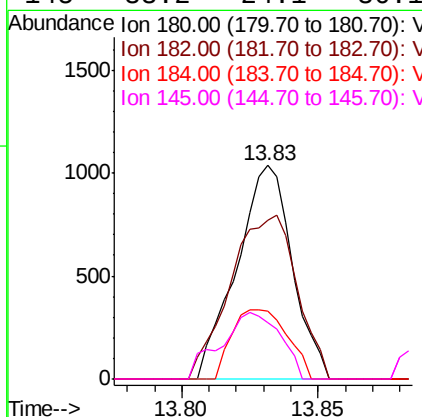
Instrument :
 MSVOA_U
 ClientSampleID :
 GB1K1

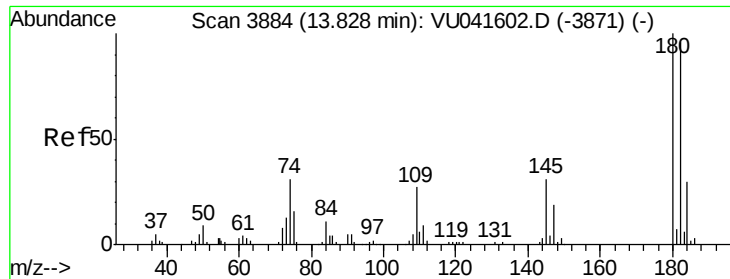
Tot Ion: 75 Resp: 7365
 Ion Ratio Lower Upper
 75 100
 77 34.3 26.2 39.2



#67
 1,3,5-Trichlorobenzene
 Concen: 0.094 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.62 min
 Lab File: VU041609.D
 Acq: 14 Dec 2020 13:42

Tgt Ion: 180 Resp: 1462
 Ion Ratio Lower Upper
 180 100
 182 92.1 76.3 114.5
 184 32.5 24.1 36.1
 145 33.2 24.1 36.1





#68

1,2,4-trichlorobenzene

Concen: 0.113 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

Instrument :

MSVOA_U

ClientSampleId :

GB1K1

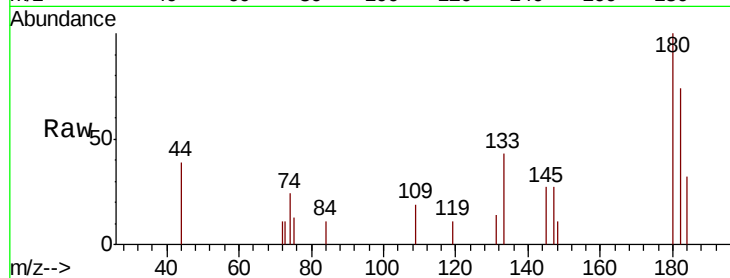
Tot Ion:180 Resp: 1462

Ion Ratio Lower Upper

180 100

182 92.1 75.4 113.0

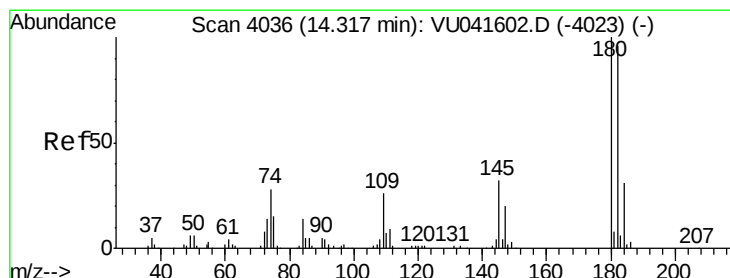
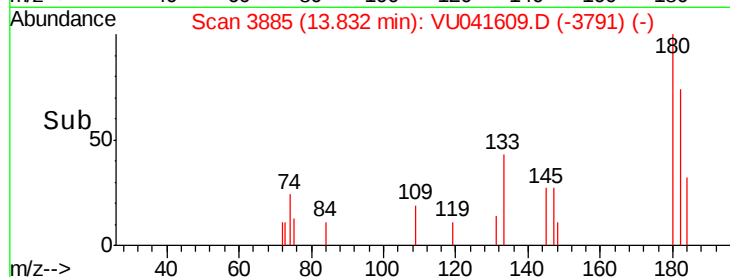
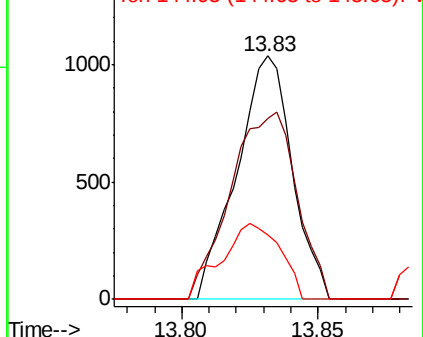
145 33.2 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70

1,2,3-Trichlorobenzene

Concen: 0.097 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041609.D

Acq: 14 Dec 2020 13:42

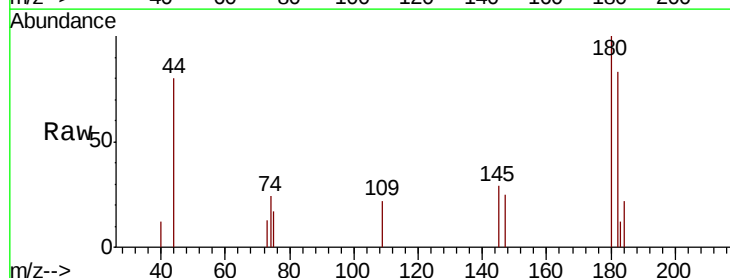
Tgt Ion:180 Resp: 1199

Ion Ratio Lower Upper

180 100

182 91.3 77.0 115.4

145 96.0 26.4 39.6#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

