

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041767.D
 Acq On : 23 Dec 2020 01:36
 Operator : SY/MD
 Sample : L5185-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S2

Quant Time: Dec 23 05:12:05 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	136941	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127996	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54616	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31285	2.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.40%
7) Chloroethane-d5	1.92	69	37371	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.58	63	54193	2.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.00%#
20) 2-Butanone-d5	4.66	46	207094	67.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.68%#
24) Chloroform-d	5.08	84	94975	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.72	65	56023	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.74	84	178278	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.70	67	61873	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.90	98	126287	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	8.19	79	21225	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.64	63	136479	48.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52910	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	51895	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	535	0.047	ug/L #	40
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	466	0.049	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	2383	0.257	ug/L #	1
19) 1,1-Dichloroethane	3.89	63	16018	0.892	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	2172	0.205	ug/L	79
25) Chloroform	5.10	83	6779	0.375	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	8045	0.547	ug/L	97
31) Carbon tetrachloride	5.33	117	852	0.067	ug/L	99
34) Trichloroethene	6.55	95	22718	2.209	ug/L	97
35) Methylcyclohexane	6.70	83	14378	0.865	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6888	0.658	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1170	0.075	ug/L #	28
44) trans-1,3-Dichloropropene	8.18	75	928	0.067	ug/L	90
47) Tetrachloroethene	8.56	164	2300	0.319	ug/L	90
48) 2-Hexanone	8.64	43	15966	2.945	ug/L #	66
49) Dibromochloromethane	8.56	129	2275	0.256	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5658	0.720	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122220\
Data File : VU041767.D
Acq On : 23 Dec 2020 01:36
Operator : SY/MD
Sample : L5185-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BG4S2

Quant Time: Dec 23 05:12:05 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

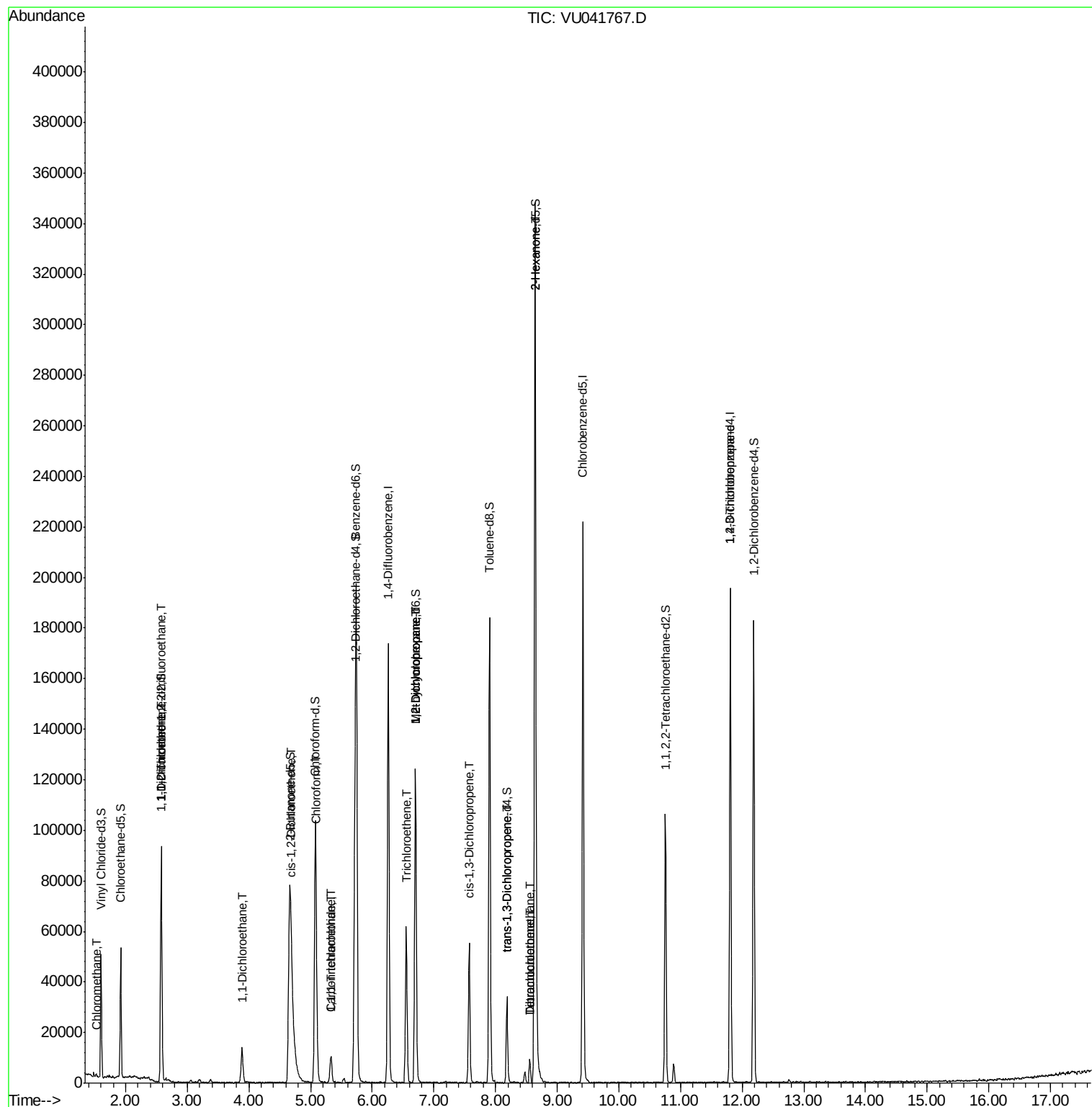
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

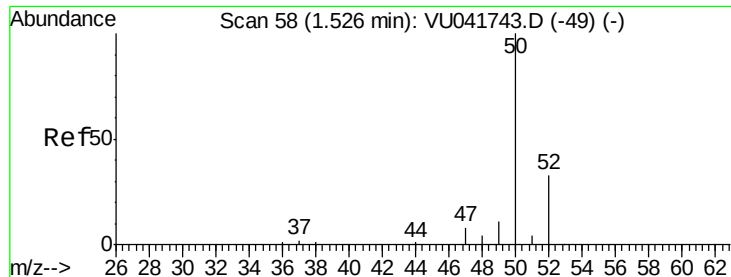
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122220\
Data File : VU041767.D
Acq On : 23 Dec 2020 01:36
Operator : SY/MD
Sample : L5185-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BG4S2

Quant Time: Dec 23 05:12:05 2020
Quant Method : Z:\V0ASRV\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





#3

Chloromethane

Concen: 0.047 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041767.D

Acq: 23 Dec 2020 01:36

Instrument :

MSVOA_U

ClientSampleId :

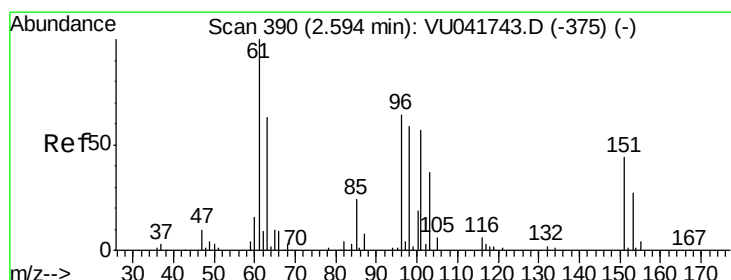
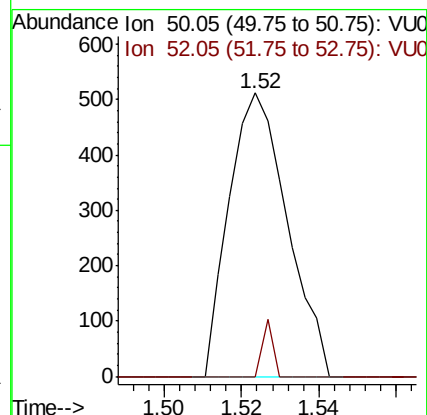
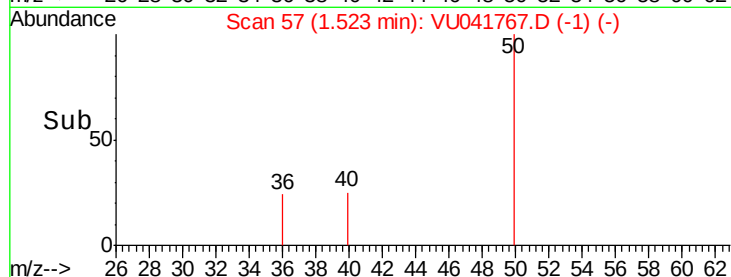
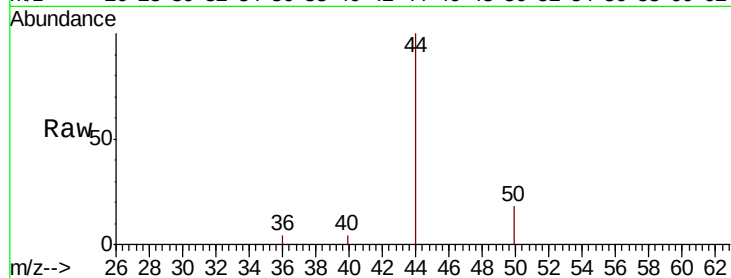
BG4S2

Tot Ion: 50 Resp: 535

Ion Ratio Lower Upper

50 100

52 0.0 24.1 44.8#



#10

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

Concen: 0.049 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041767.D

Acq: 23 Dec 2020 01:36

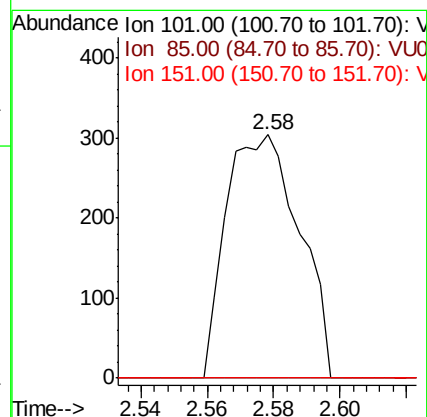
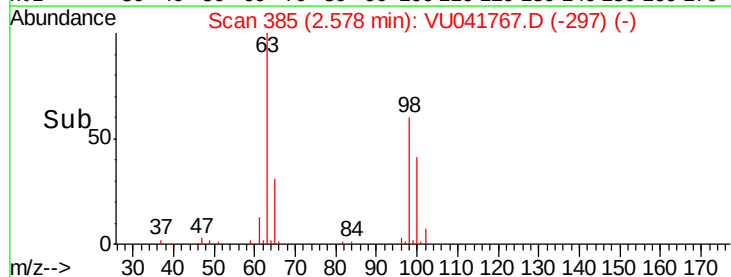
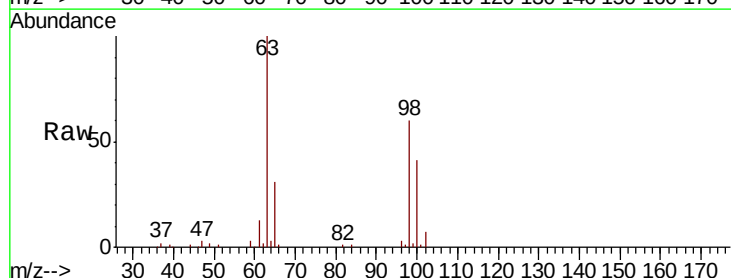
Tgt Ion: 101 Resp: 466

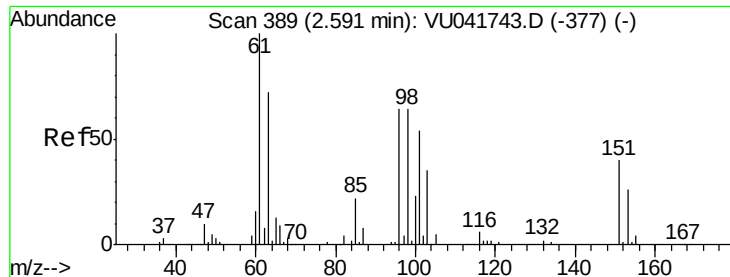
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#

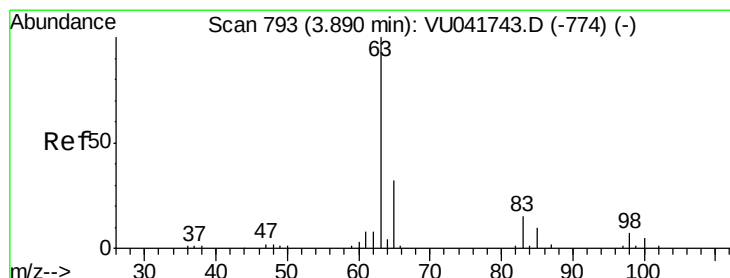
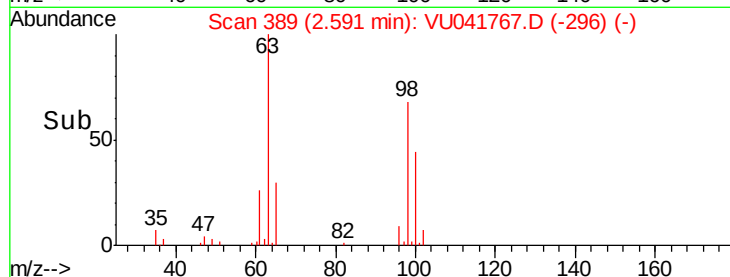
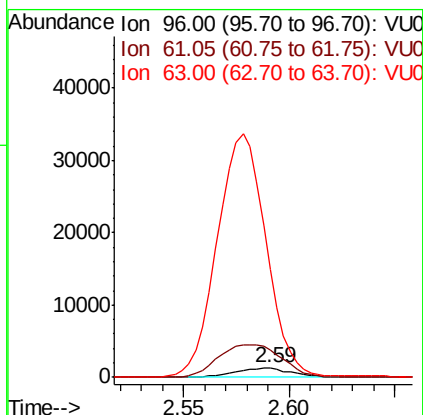
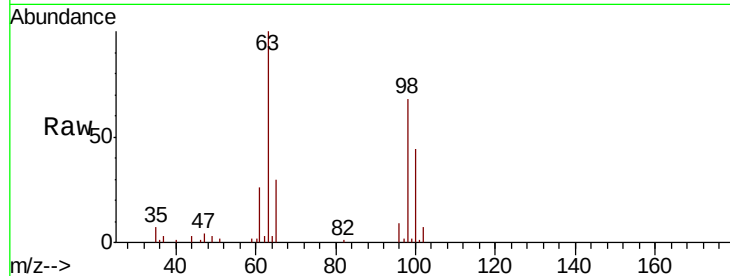




#12
 1,1-Dichloroethene
 Concen: 0.257 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041767.D
 Acq: 23 Dec 2020 01:36

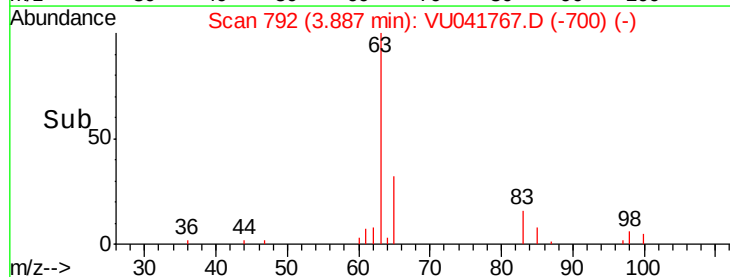
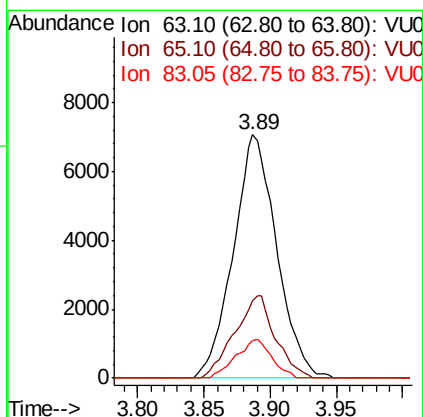
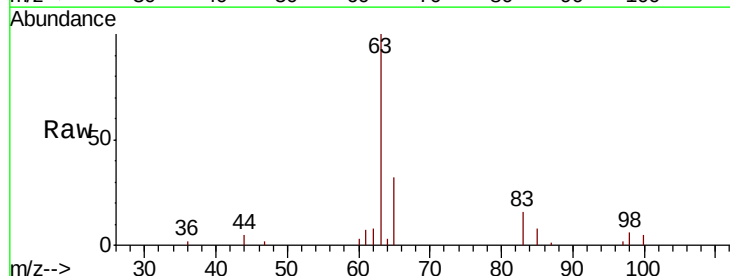
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S2

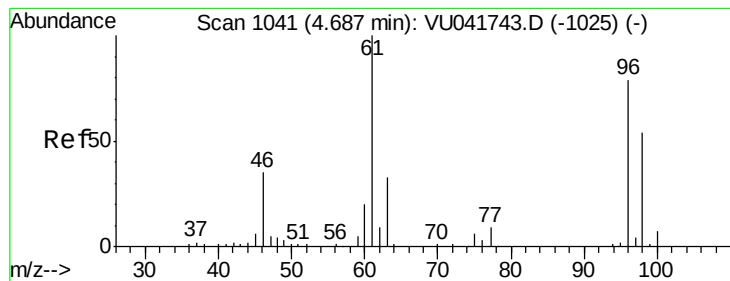
Tot Ion: 96 Resp: 2383
 Ion Ratio Lower Upper
 96 100
 61 291.0 123.8 230.0#
 63 1131.2 81.0 150.4#



#19
 1,1-Dichloroethane
 Concen: 0.892 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041767.D
 Acq: 23 Dec 2020 01:36

Tgt Ion: 63 Resp: 16018
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.3 39.6
 83 15.7 9.3 17.3





#22

cis-1,2-Dichloroethene

Concen: 0.205 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VU041767.D

Acq: 23 Dec 2020 01:36

Instrument :

MSVOA_U

ClientSampleId :

BG4S2

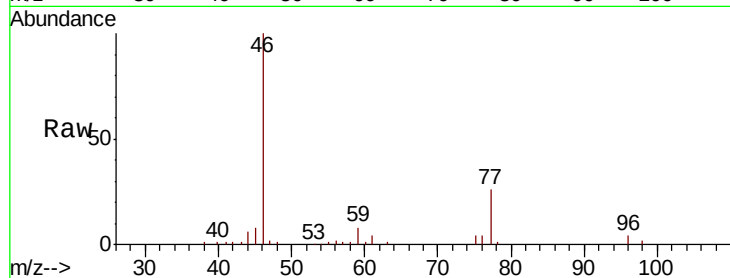
Tot Ion: 96 Resp: 2172

Ion Ratio Lower Upper

96 100

61 102.4 88.8 165.0

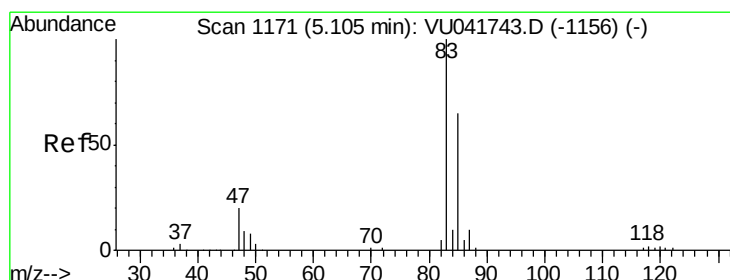
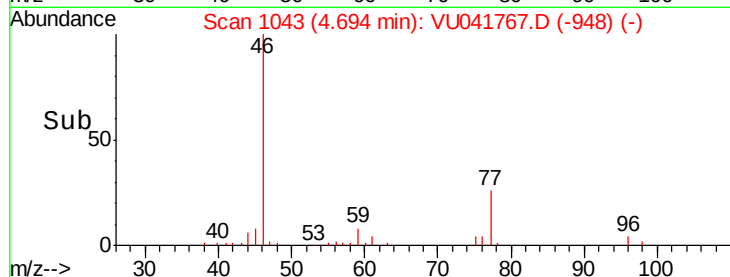
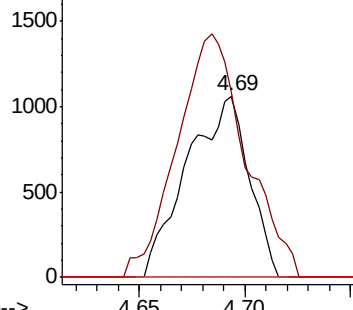
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.375 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU041767.D

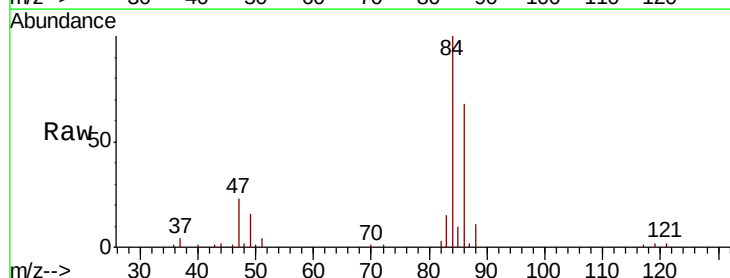
Acq: 23 Dec 2020 01:36

Tgt Ion: 83 Resp: 6779

Ion Ratio Lower Upper

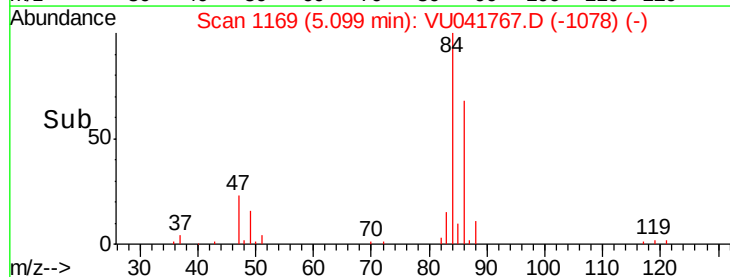
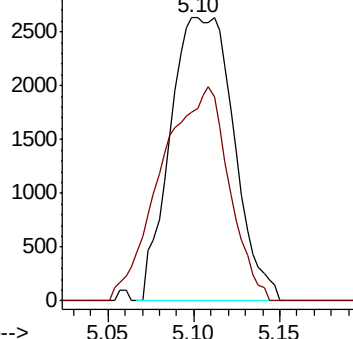
83 100

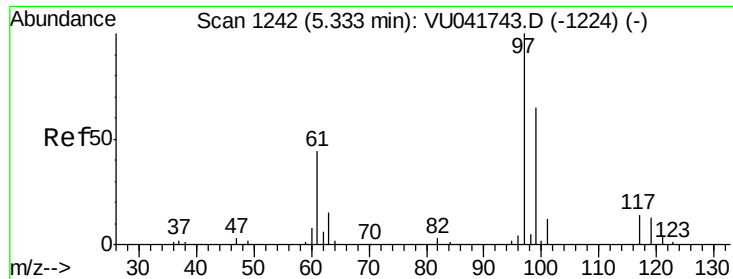
85 66.5 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

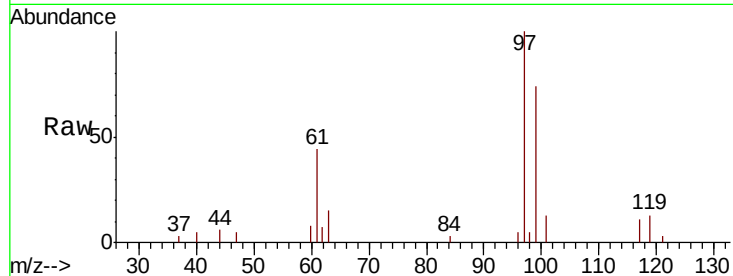




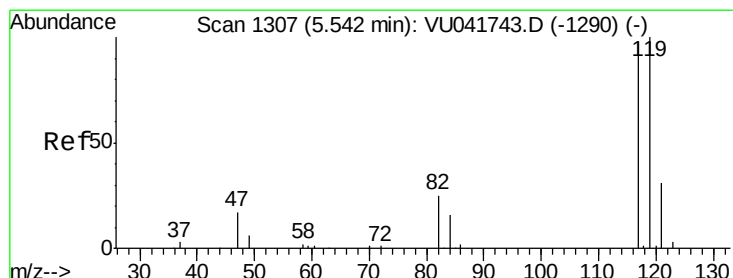
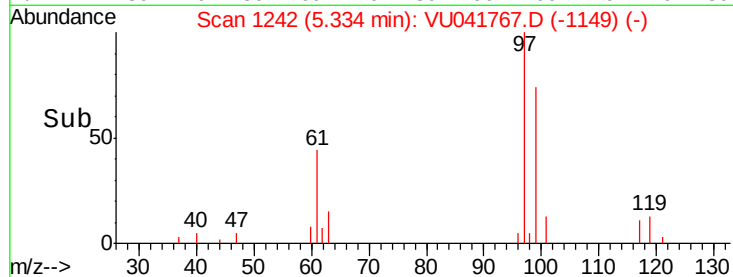
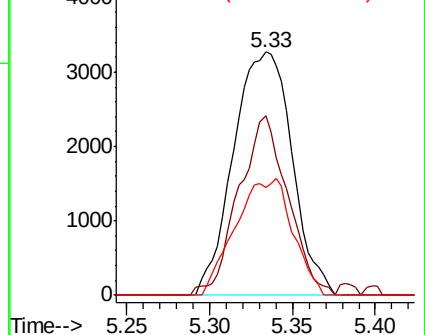
#29
 1,1,1-Trichloroethane
 Concen: 0.547 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041767.D
 Acq: 23 Dec 2020 01:36

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S2

Tot Ion: 97 Resp: 8045
 Ion Ratio Lower Upper
 97 100
 99 61.7 51.3 76.9
 61 46.7 36.5 54.7

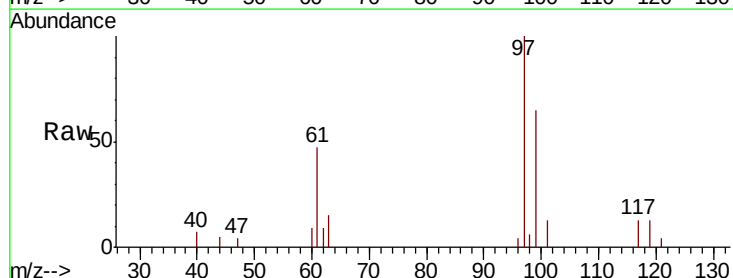


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

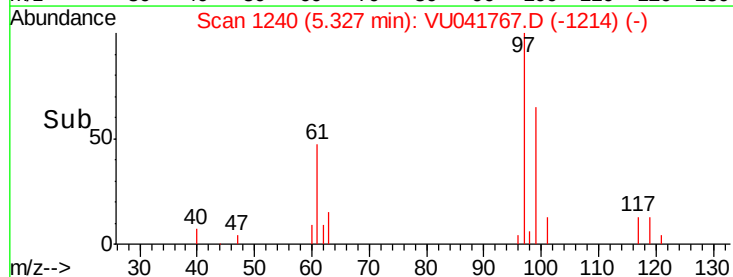
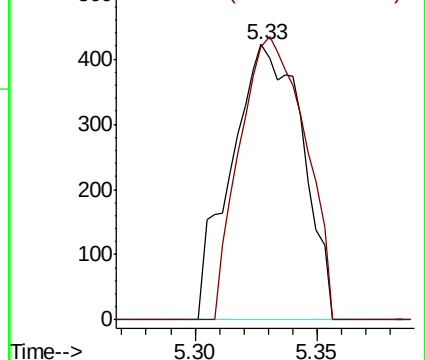


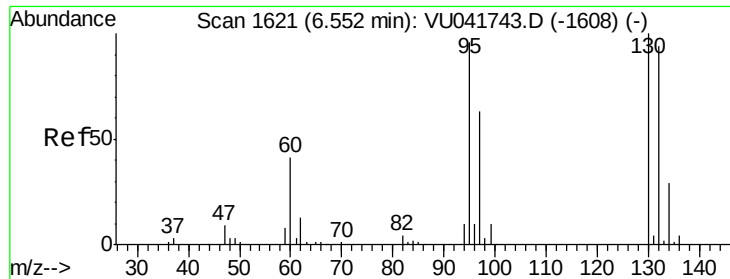
#31
 Carbon tetrachloride
 Concen: 0.067 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.22 min
 Lab File: VU041767.D
 Acq: 23 Dec 2020 01:36

Tgt Ion: 117 Resp: 852
 Ion Ratio Lower Upper
 117 100
 119 94.6 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

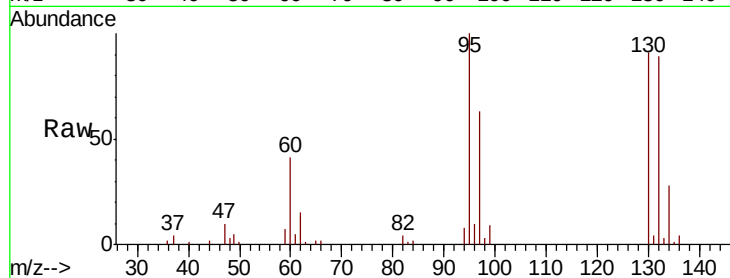




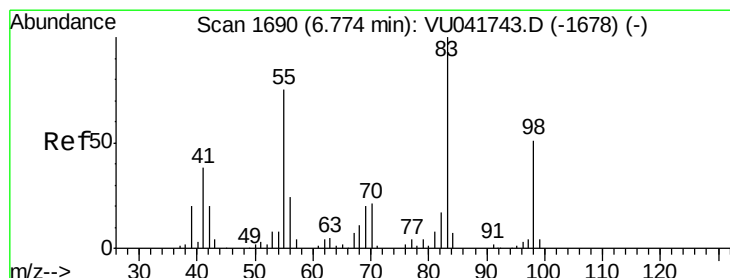
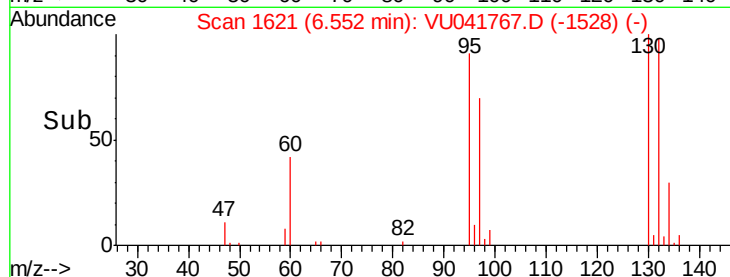
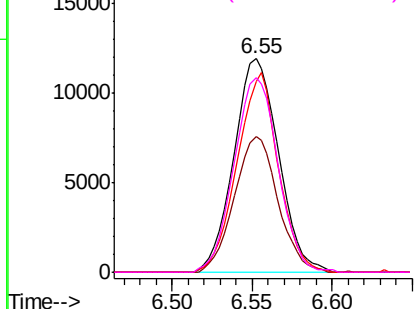
#34
 Trichloroethene
 Concen: 2.209 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041767.D
 Acq: 23 Dec 2020 01:36

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S2

Tot Ion: 95 Resp: 22718
 Ion Ratio Lower Upper
 95 100
 97 63.4 43.9 81.5
 132 89.4 63.1 117.3
 130 90.9 67.4 125.2

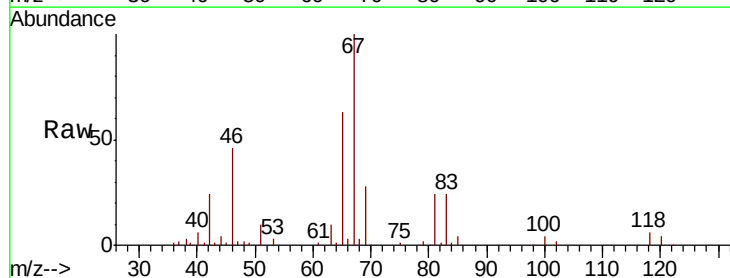


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

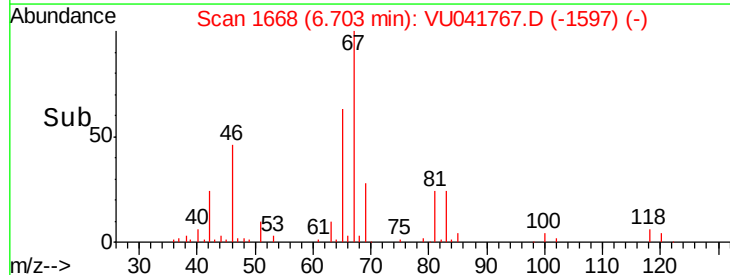
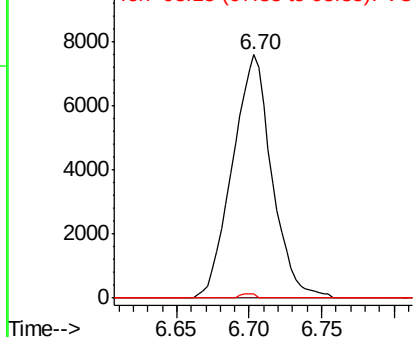


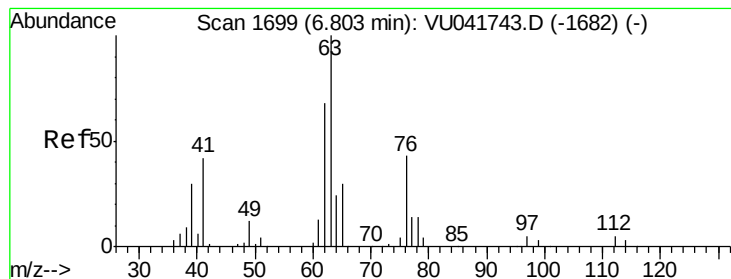
#35
 Methylcyclohexane
 Concen: 0.865 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041767.D
 Acq: 23 Dec 2020 01:36

Tgt Ion: 83 Resp: 14378
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 0.6 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: 0.658 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041767.D

Acq: 23 Dec 2020 01:36

Instrument :

MSVOA_U

ClientSampleId :

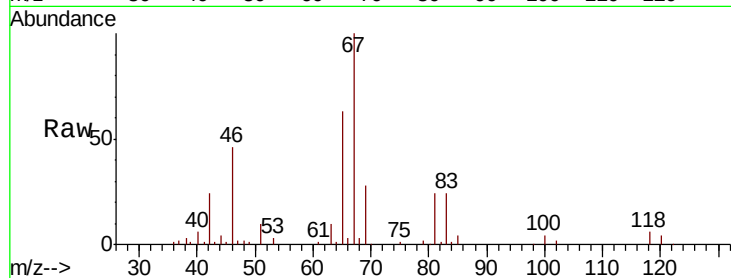
BG4S2

Tot Ion: 63 Resp: 6888

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041743.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU041743.D (-1682) (-)

6.70

3000

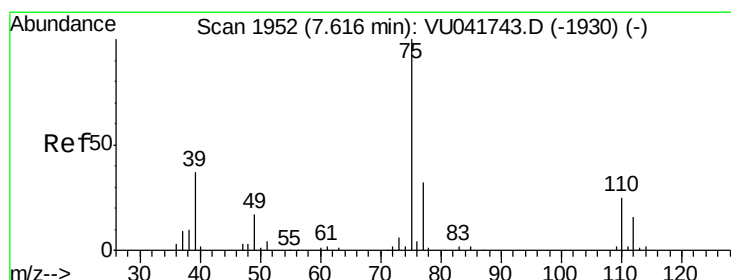
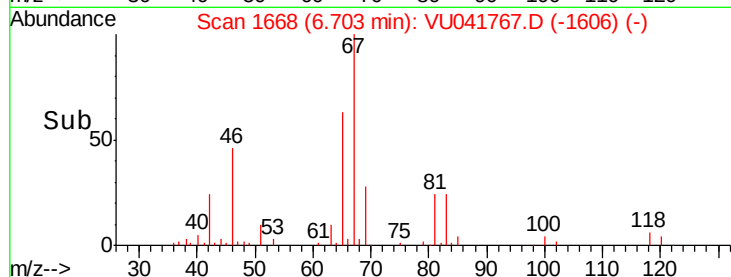
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041767.D

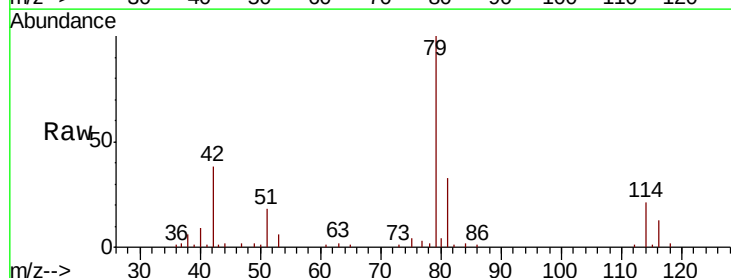
Acq: 23 Dec 2020 01:36

Tgt Ion: 75 Resp: 1170

Ion Ratio Lower Upper

75 100

77 71.9 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041743.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU041743.D (-1930) (-)

7.58

800

600

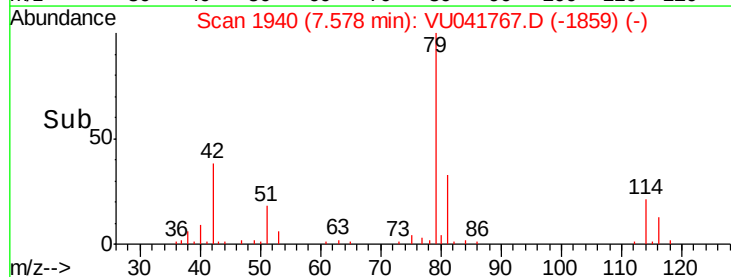
400

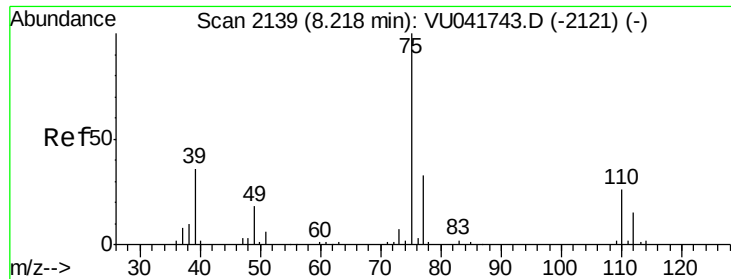
200

0

7.55 7.58 7.60

Time-->

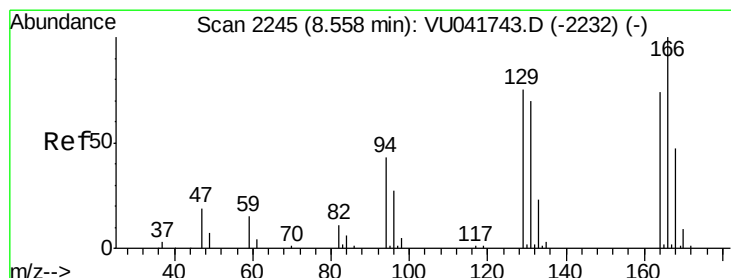
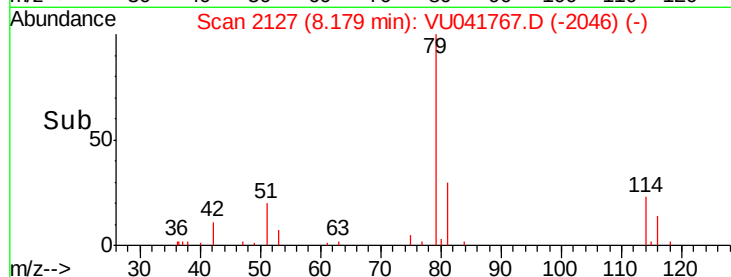
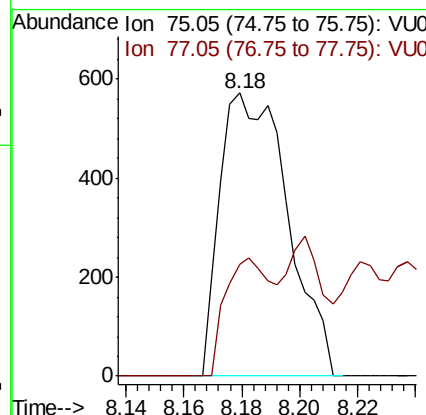
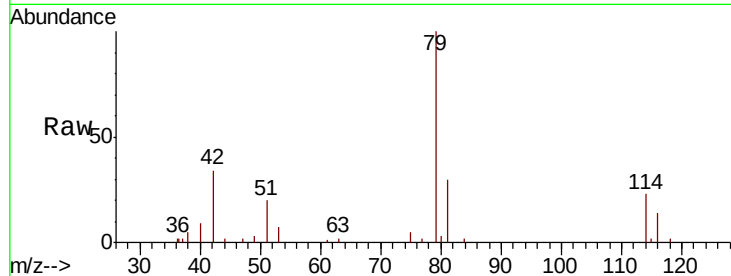




#44
trans-1,3-Dichloropropene
Concen: 0.067 ug/L
RT: 8.18 min Scan# 2127
Delta R.T. -0.04 min
Lab File: VU041767.D
Acq: 23 Dec 2020 01:36

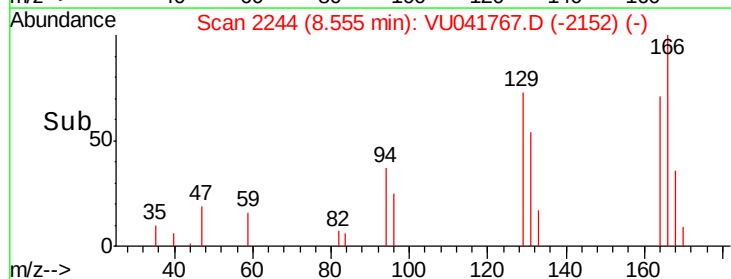
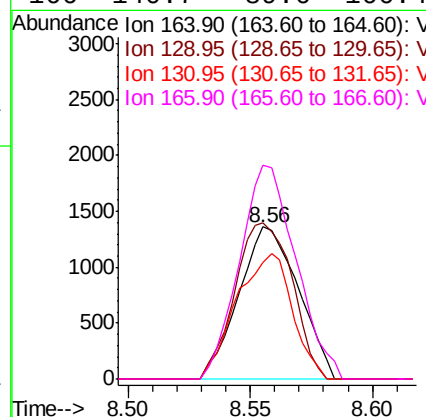
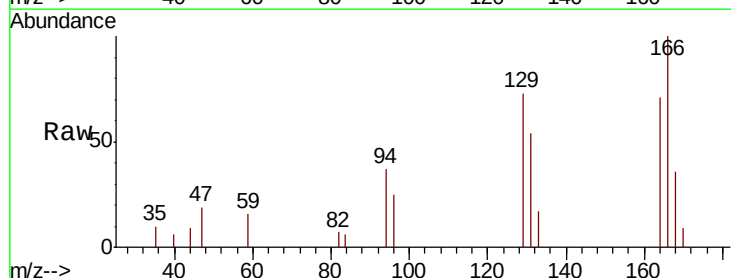
Instrument :
MSVOA_U
ClientSampled :
BG4S2

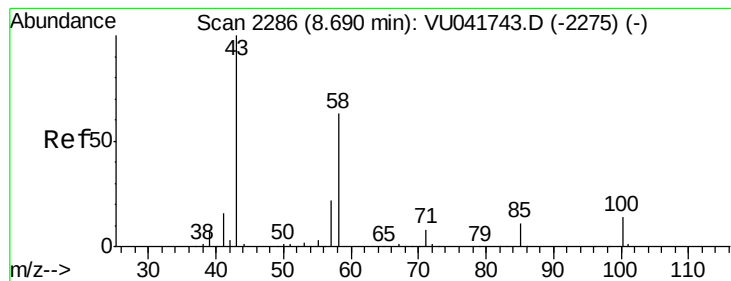
Tot Ion: 75 Resp: 928
Ion Ratio Lower Upper
75 100
77 39.7 23.8 44.2



#47
Tetrachloroethene
Concen: 0.319 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041767.D
Acq: 23 Dec 2020 01:36

Tgt Ion:164 Resp: 2300
Ion Ratio Lower Upper
164 100
129 102.9 72.2 134.0
131 76.7 66.9 124.3
166 140.7 89.6 166.4





#48

2-Hexanone

Concen: 2.945 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041767.D

Acq: 23 Dec 2020 01:36

Instrument :

MSVOA_U

ClientSampleId :

BG4S2

Tot Ion: 43 Resp: 15966

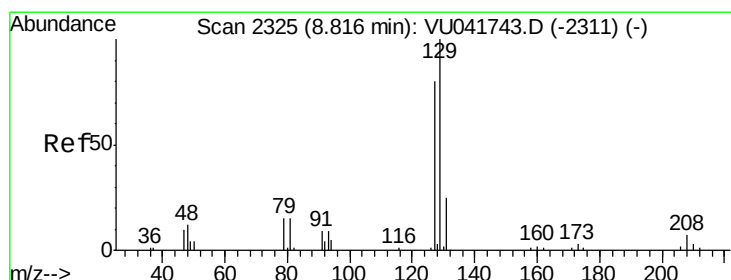
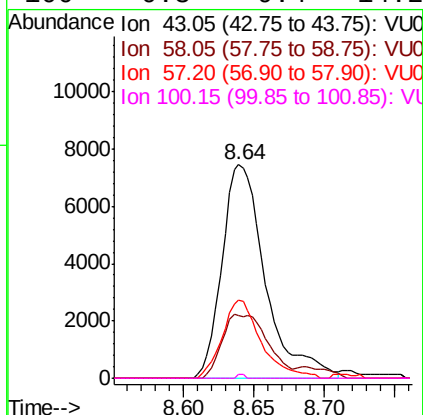
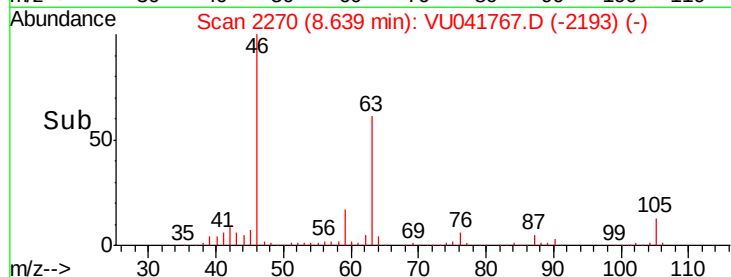
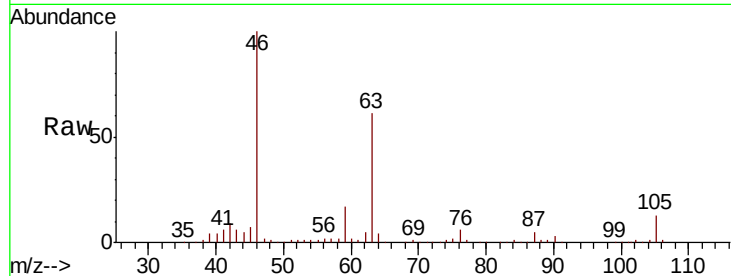
Ion Ratio Lower Upper

43 100

58 31.3 47.9 71.9#

57 32.7 16.5 24.7#

100 0.3 9.4 14.2#



#49

Dibromochloromethane

Concen: 0.256 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041767.D

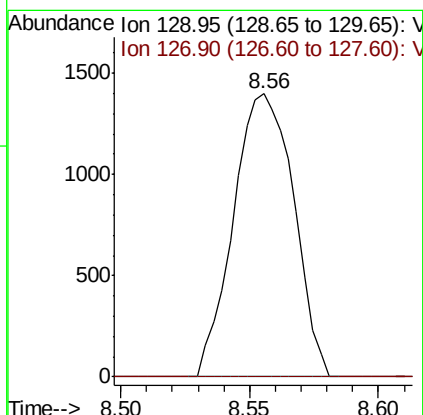
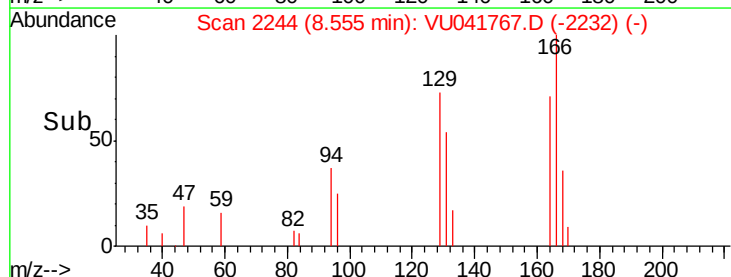
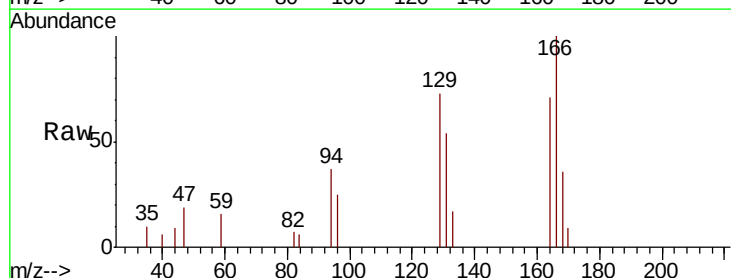
Acq: 23 Dec 2020 01:36

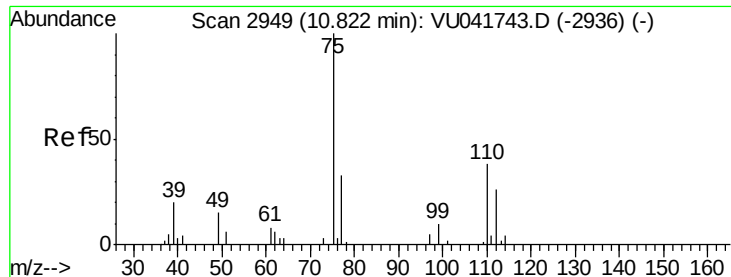
Tgt Ion: 129 Resp: 2275

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.720 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041767.D

Acq: 23 Dec 2020 01:36

Instrument :

MSVOA_U

ClientSampleId :

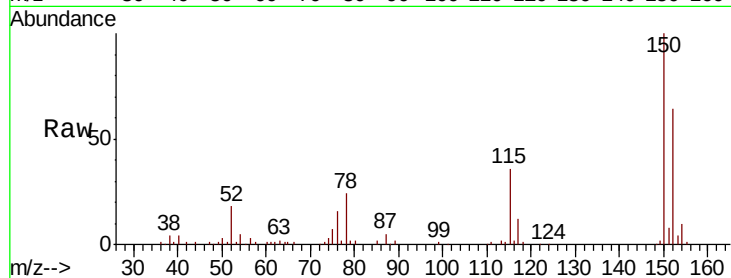
BG4S2

Tot Ion: 75 Resp: 5658

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

