

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071420\
 Data File : VU039486.D
 Acq On : 14 Jul 2020 15:53
 Operator : SY/MD
 Sample : L3292-03RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT94

Quant Time: Jul 15 06:24:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 06:21:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	96142	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	92046	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42728	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23656	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.93	69	27522	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.58	63	39936	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.66	46	118371	46.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.86%
24) Chloroform-d	5.09	84	54003	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.72	65	36057	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.75	84	105640	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.71	67	36885	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.91	98	92102	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	8.19	79	14536	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.64	63	86493	42.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.82%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	32481	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	37868	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

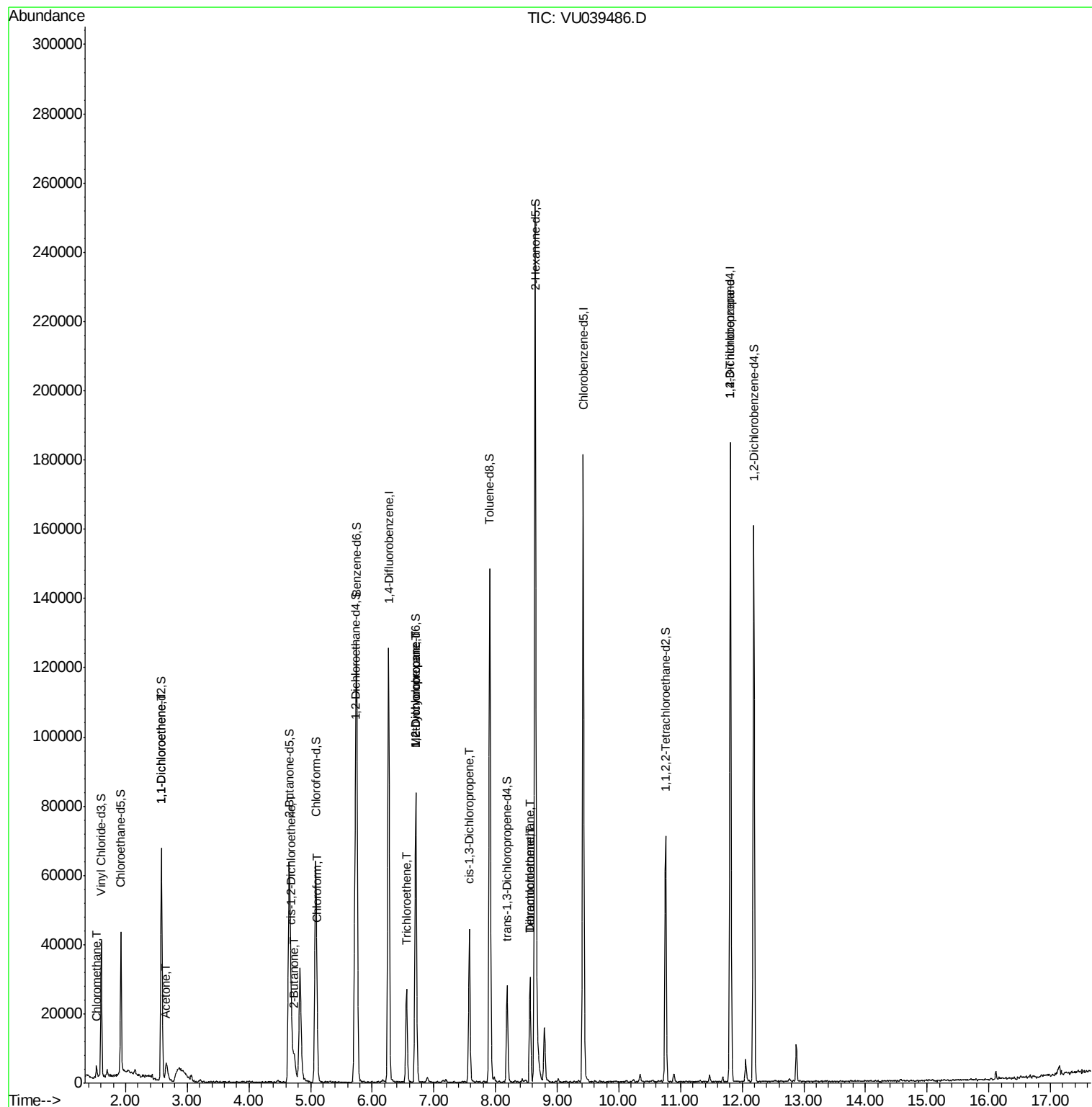
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2220	0.314	ug/L	96
12) 1,1-Dichloroethene	2.58	96	454	0.079	ug/L #	1
13) Acetone	2.66	43	9675	7.030	ug/L	98
21) 2-Butanone	4.74	43	9398	3.826	ug/L #	69
22) cis-1,2-Dichloroethene	4.69	96	687	0.097	ug/L	80
25) Chloroform	5.11	83	3192	0.255	ug/L	99
34) Trichloroethene	6.56	95	8474	1.191	ug/L	95
35) Methylcyclohexane	6.70	83	8180	0.718	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	4283	0.571	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1386	0.122	ug/L #	66
47) Tetrachloroethene	8.56	164	5569	1.125	ug/L	96
49) Dibromochloromethane	8.56	129	5229	0.801	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7301	1.320	ug/L	94

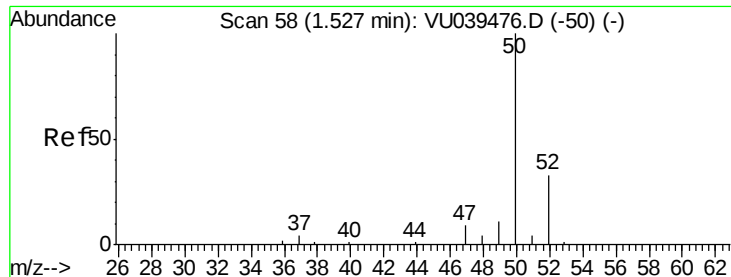
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.314 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039486.D

Acq: 14 Jul 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

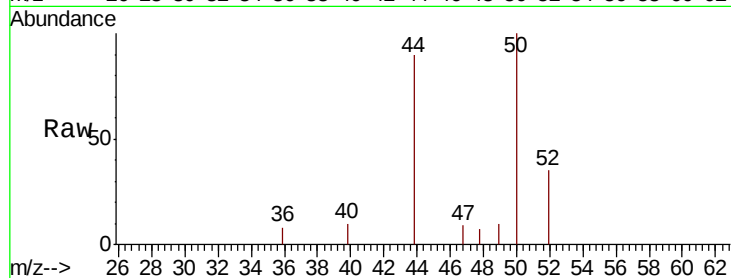
BFT94

Tot Ion: 50 Resp: 2220

Ion Ratio Lower Upper

50 100

52 34.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

2000

1500

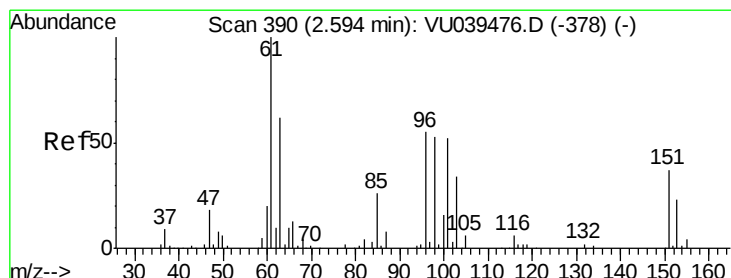
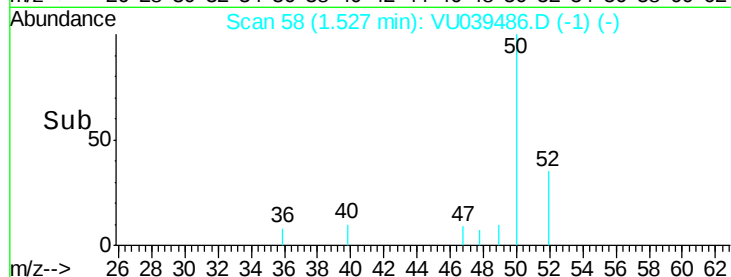
1000

500

0

Time-->

1.50 1.52 1.54 1.56



#12

1,1-Dichloroethene

Concen: 0.079 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU039486.D

Acq: 14 Jul 2020 15:53

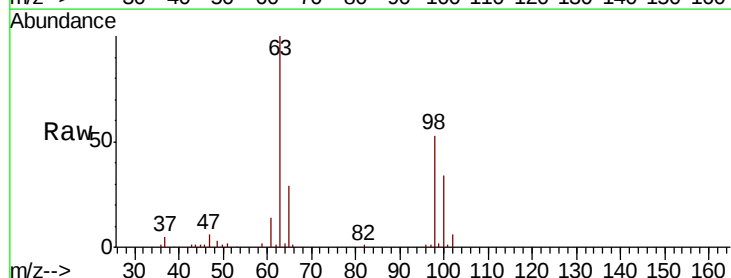
Tgt Ion: 96 Resp: 454

Ion Ratio Lower Upper

96 100

61 1174.4 125.4 232.8#

63 8350.8 92.7 172.3#



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

30000

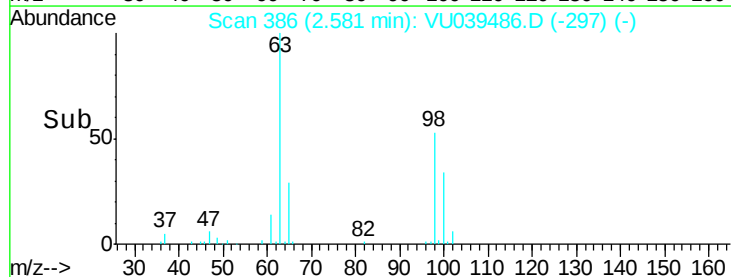
20000

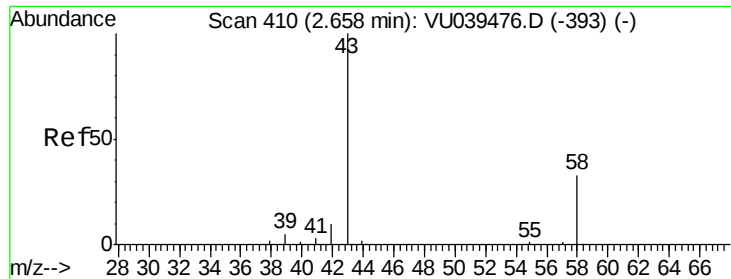
10000

0

Time-->

2.56 2.58 2.60 2.62





#13

Acetone

Concen: 7.030 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU039486.D

Acq: 14 Jul 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

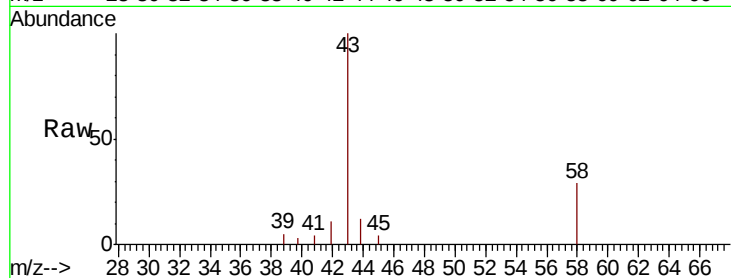
BFT94

Tot Ion: 43 Resp: 9675

Ion Ratio Lower Upper

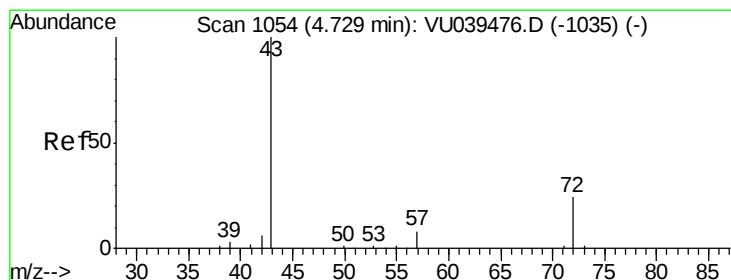
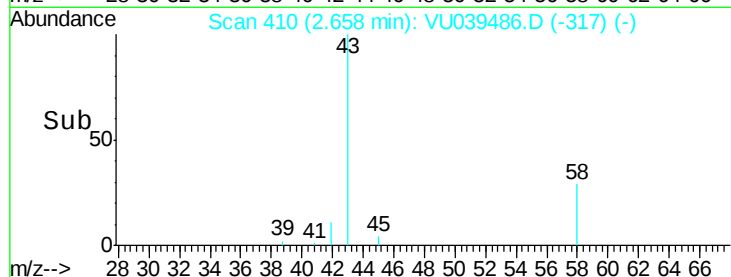
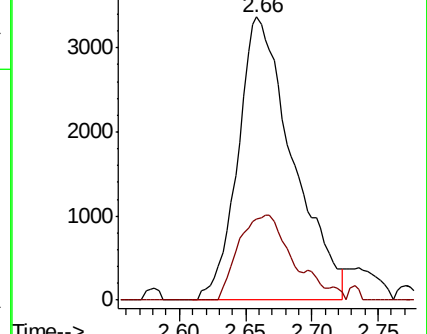
43 100

58 30.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#21

2-Butanone

Concen: 3.826 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VU039486.D

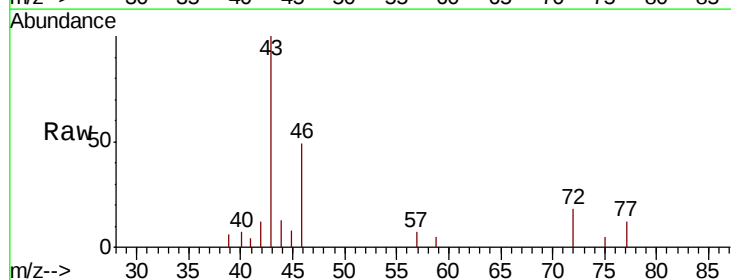
Acq: 14 Jul 2020 15:53

Tgt Ion: 43 Resp: 9398

Ion Ratio Lower Upper

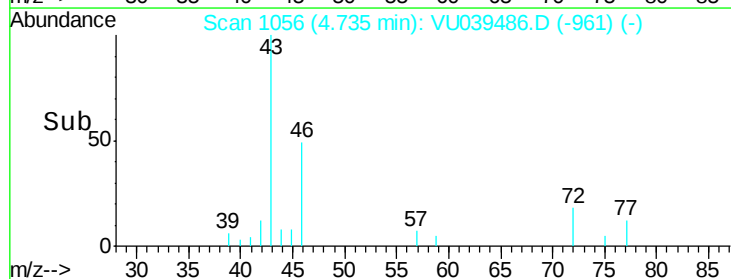
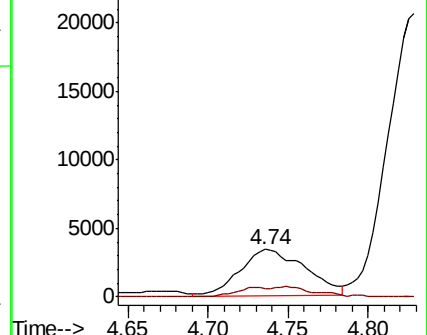
43 100

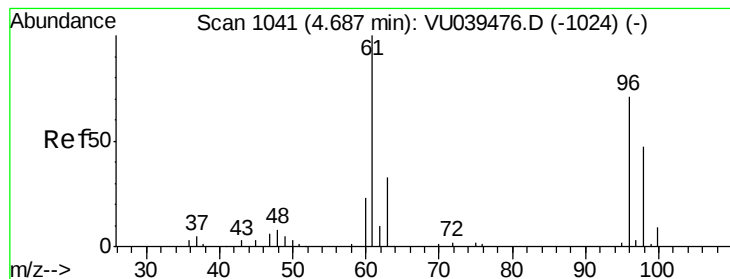
72 10.3 13.2 39.5#



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: 0.097 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039486.D

Acq: 14 Jul 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

BFT94

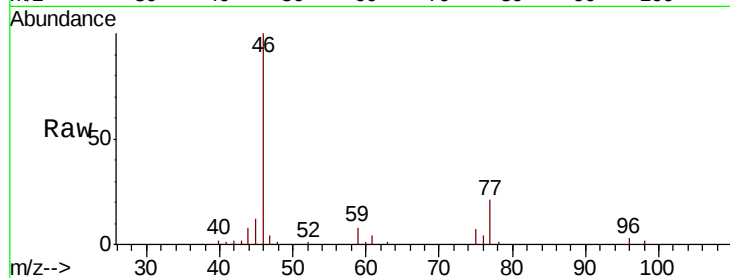
Tot Ion: 96 Resp: 687

Ion Ratio Lower Upper

96 100

61 155.7 92.8 172.4

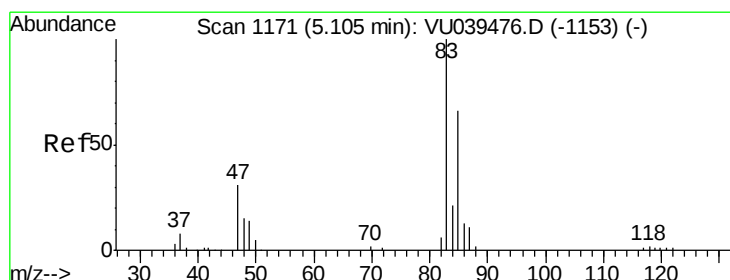
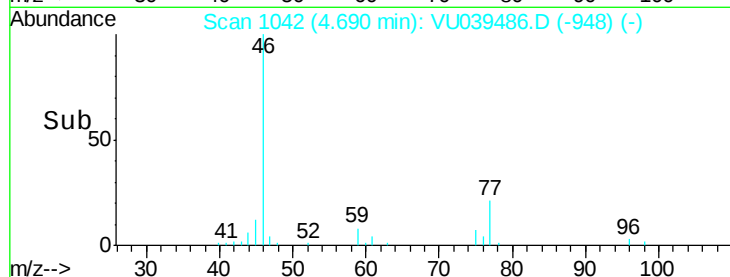
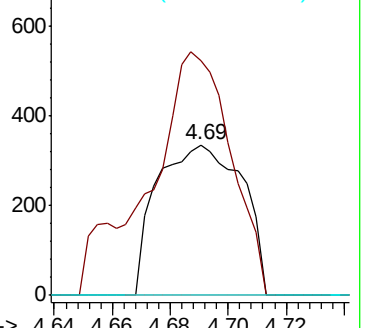
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039486.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039486.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039486.D (-1042) (-)



#25

Chloroform

Concen: 0.255 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU039486.D

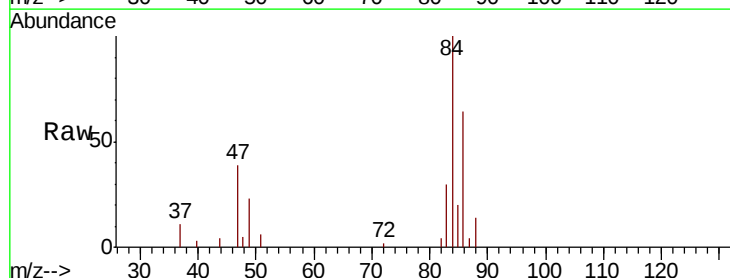
Acq: 14 Jul 2020 15:53

Tgt Ion: 83 Resp: 3192

Ion Ratio Lower Upper

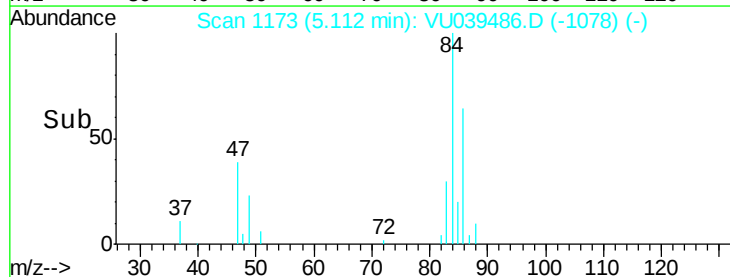
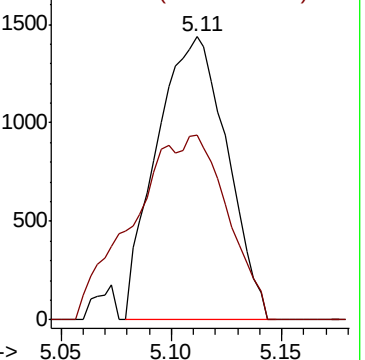
83 100

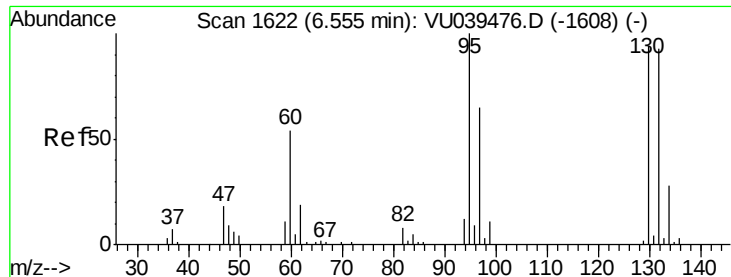
85 65.1 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039486.D (-1171) (-)

Ion 85.00 (84.70 to 85.70): VU039486.D (-1171) (-)

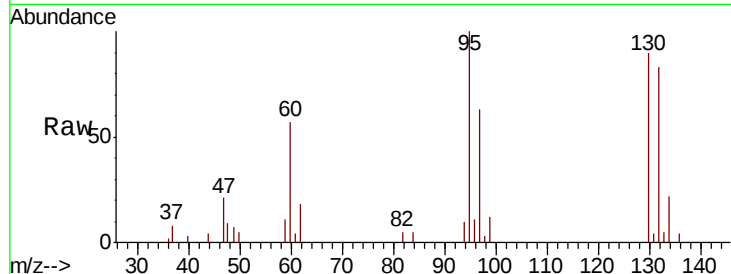




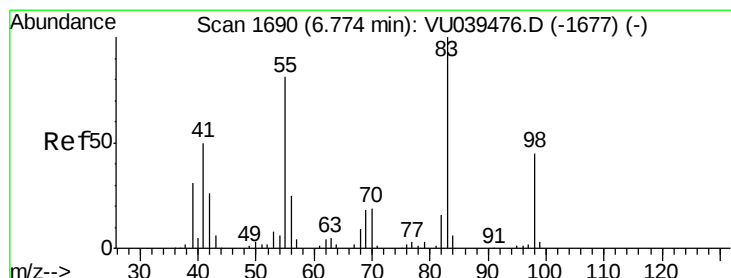
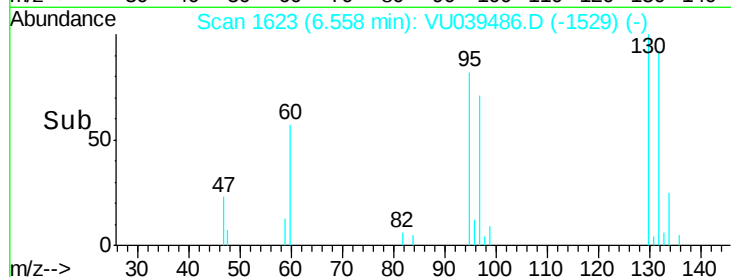
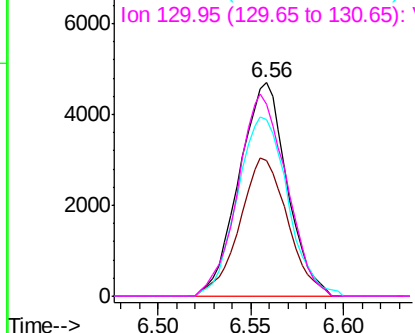
#34
 Trichloroethene
 Concen: 1.191 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039486.D
 Acq: 14 Jul 2020 15:53

Instrument :
 MSVOA_U
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 BFT94

Tot Ion: 95 Resp: 8474
 Ion Ratio Lower Upper
 95 100
 97 63.4 46.3 85.9
 132 82.7 64.0 118.8
 130 89.8 64.3 119.5

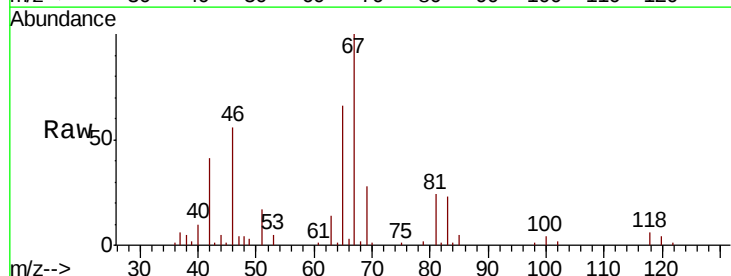


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

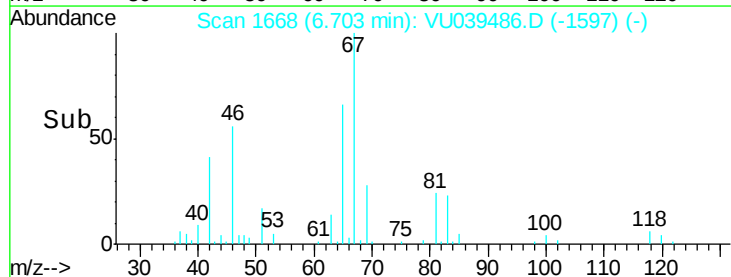
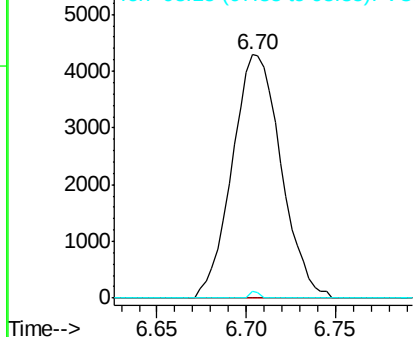


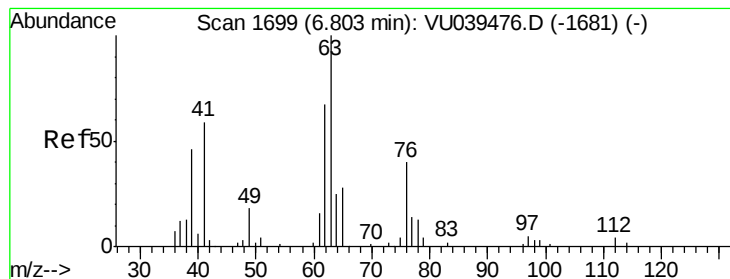
#35
 Methylcyclohexane
 Concen: 0.718 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU039486.D
 Acq: 14 Jul 2020 15:53

Tgt Ion: 83 Resp: 8180
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 0.5 35.9 53.9#



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: 0.571 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039486.D

Acq: 14 Jul 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

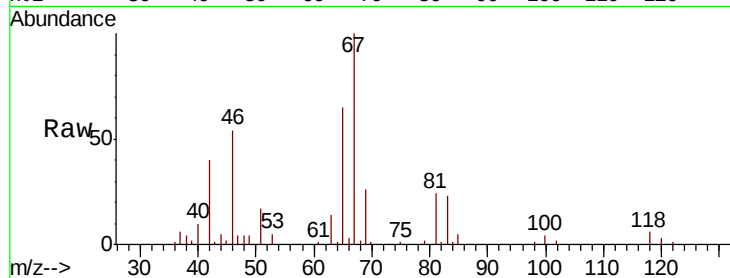
BFT94

Tot Ion: 63 Resp: 4283

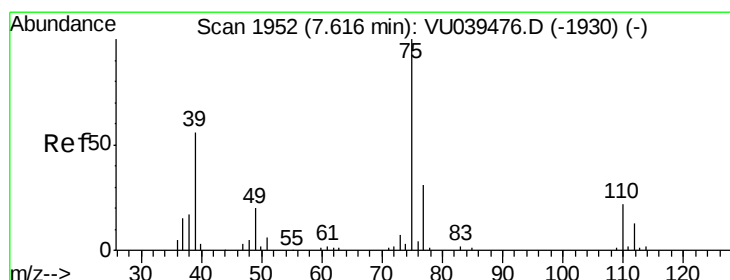
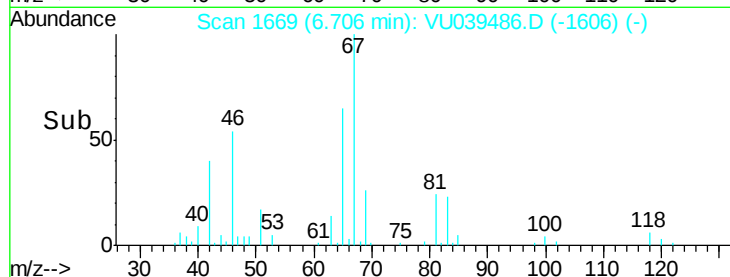
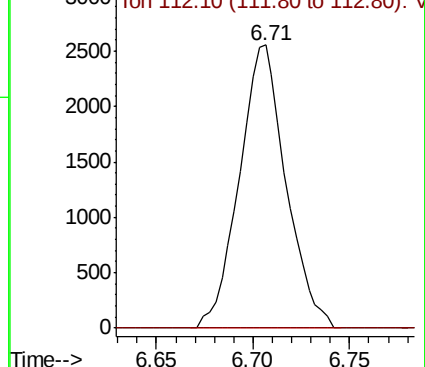
Ion Ratio Lower Upper

63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039476.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.122 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039486.D

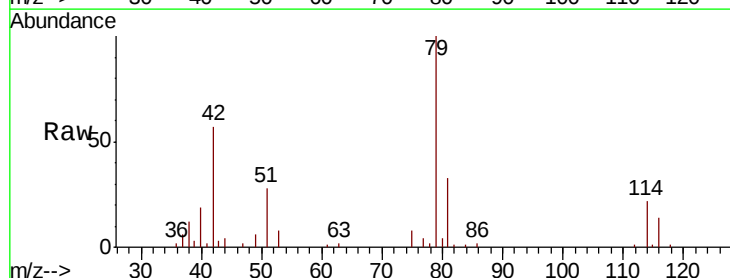
Acq: 14 Jul 2020 15:53

Tgt Ion: 75 Resp: 1386

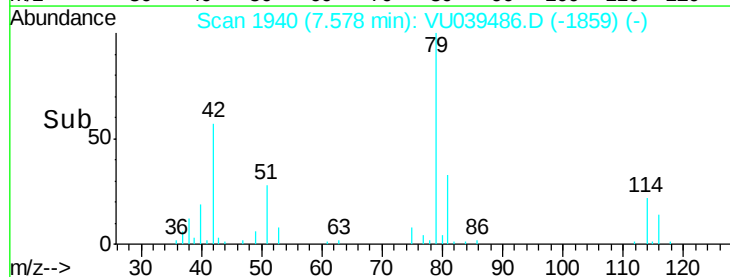
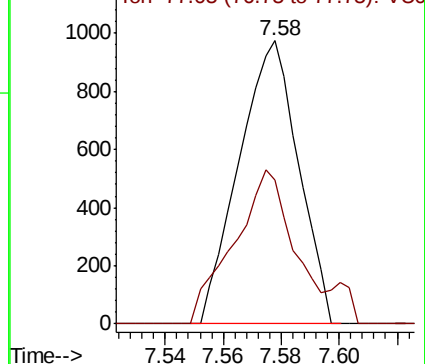
Ion Ratio Lower Upper

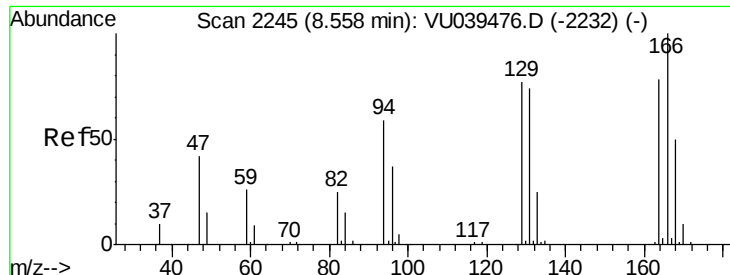
75 100

77 50.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039476.D (-1930) (-)





#47

Tetrachloroethene

Concen: 1.125 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039486.D

Acq: 14 Jul 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

BFT94

Tot Ion:164 Resp: 5569

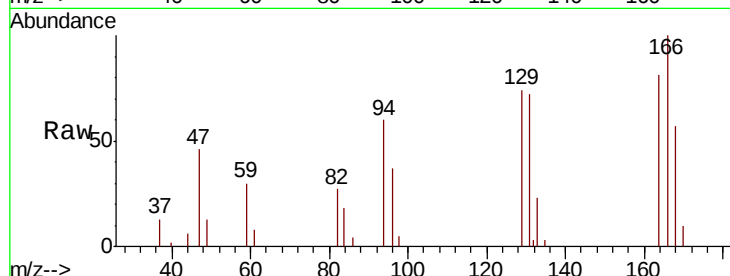
Ion Ratio Lower Upper

164 100

129 91.1 68.6 127.4

131 89.3 66.4 123.4

166 123.6 85.9 159.5

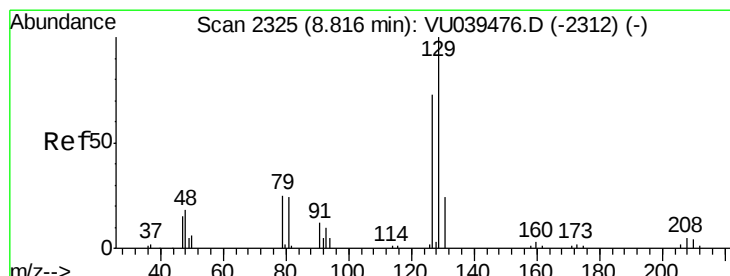
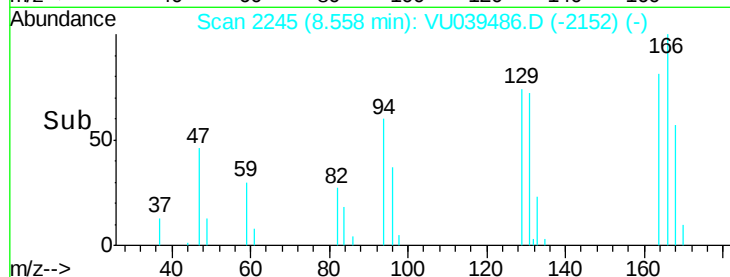
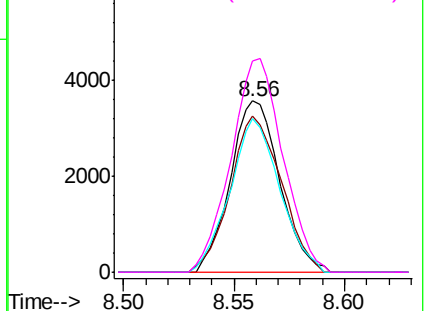


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.801 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039486.D

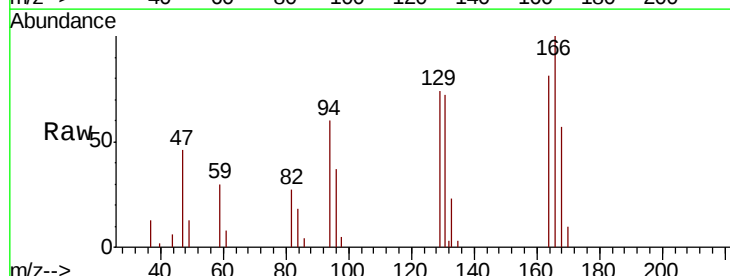
Acq: 14 Jul 2020 15:53

Tgt Ion:129 Resp: 5229

Ion Ratio Lower Upper

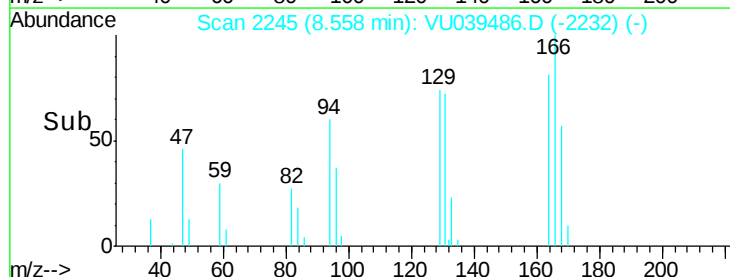
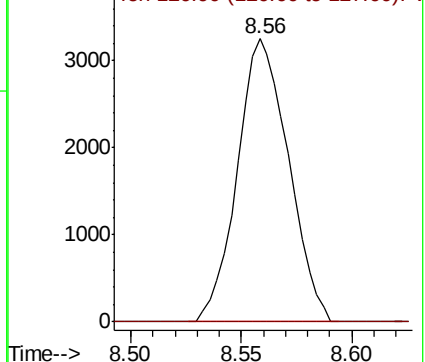
129 100

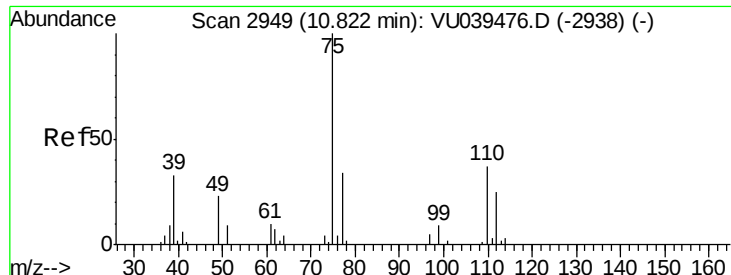
127 0.0 55.4 102.8#



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: 1.320 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039486.D

Acq: 14 Jul 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

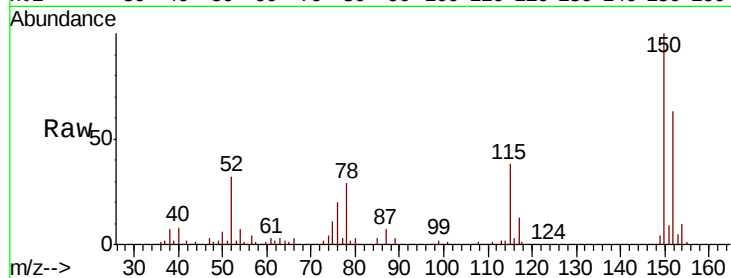
BFT94

Tot Ion: 75 Resp: 7301

Ion Ratio Lower Upper

75 100

77 30.0 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

