

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071420\
 Data File : VU039481.D
 Acq On : 14 Jul 2020 13:53
 Operator : SY/MD
 Sample : L3292-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT99

Quant Time: Jul 15 06:23:53 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	94522	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	90992	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42226	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24799	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.93	69	27386	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.58	63	40460	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	4.65	46	114887	45.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.66%
24) Chloroform-d	5.09	84	57130	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.72	65	35228	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	108267	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	36447	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.91	98	94438	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.19	79	14754	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.64	63	86499	42.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.82%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	32755	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	38101	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

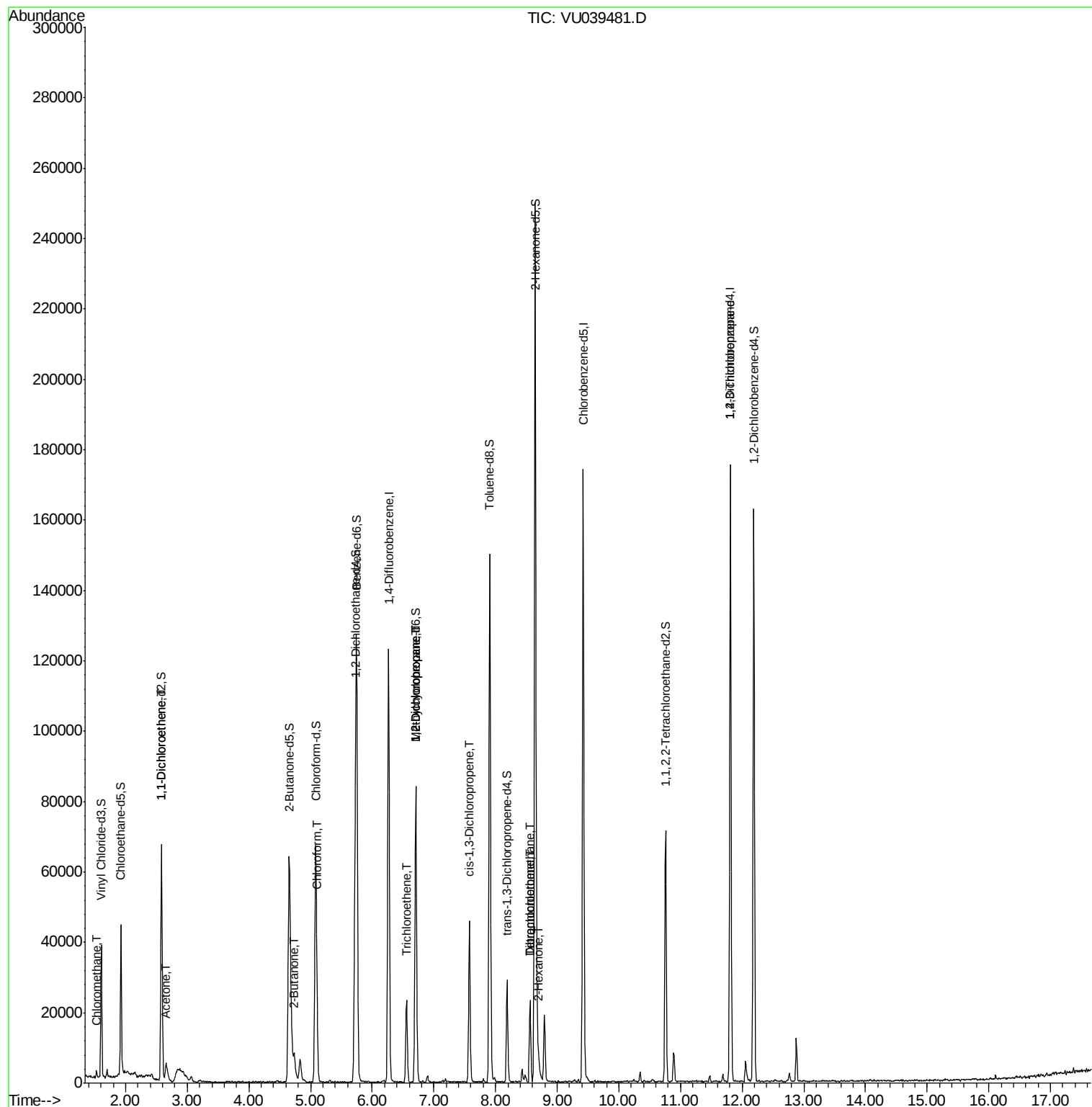
					Ovalue
3) Chloromethane	1.53	50	1378	0.199 ug/L	92
12) 1,1-Dichloroethene	2.58	96	354	0.063 ug/L #	1
13) Acetone	2.66	43	9109	6.732 ug/L	96
21) 2-Butanone	4.74	43	9905	4.102 ug/L	99
25) Chloroform	5.11	83	2963	0.241 ug/L	89
34) Trichloroethene	6.56	95	7432	1.057 ug/L	96
35) Methylcyclohexane	6.70	83	8278	0.735 ug/L #	20
37) 1,2-Dichloropropane	6.71	63	4438	0.598 ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1327	0.118 ug/L #	43
47) Tetrachloroethene	8.56	164	4163	0.851 ug/L	91
48) 2-Hexanone	8.70	43	4825	1.058 ug/L #	83
49) Dibromochloromethane	8.56	129	4352	0.675 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6846	1.253 ug/L	95

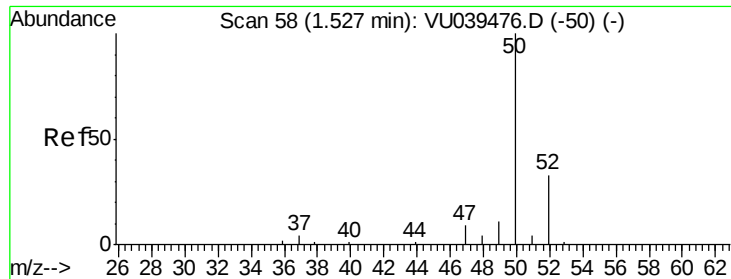
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.199 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039481.D

Acq: 14 Jul 2020 13:53

Instrument :

MSVOA_U

ClientSampled :

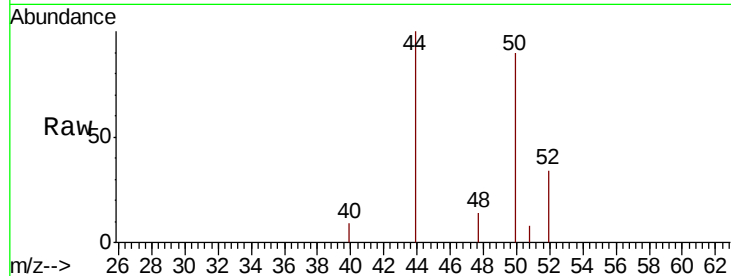
BFT99

Tot Ion: 50 Resp: 1378

Ion Ratio Lower Upper

50 100

52 37.5 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

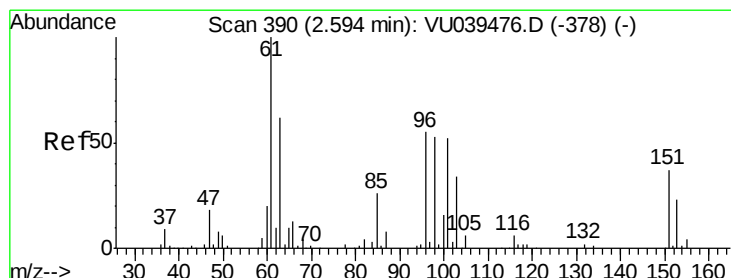
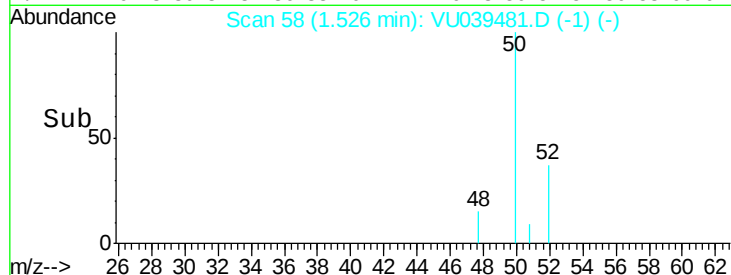
1500

1000

500

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039481.D

Acq: 14 Jul 2020 13:53

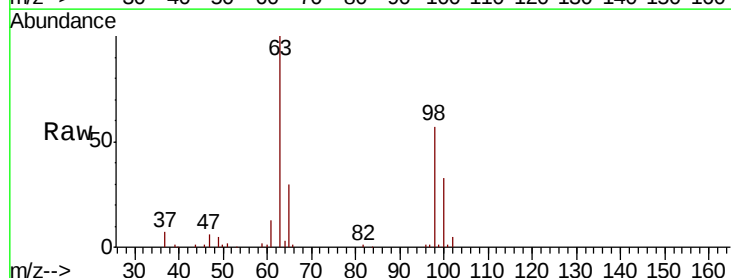
Tgt Ion: 96 Resp: 354

Ion Ratio Lower Upper

96 100

61 1131.0 125.4 232.8#

63 8441.4 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

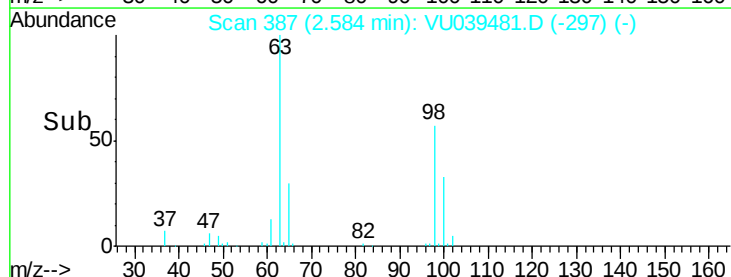
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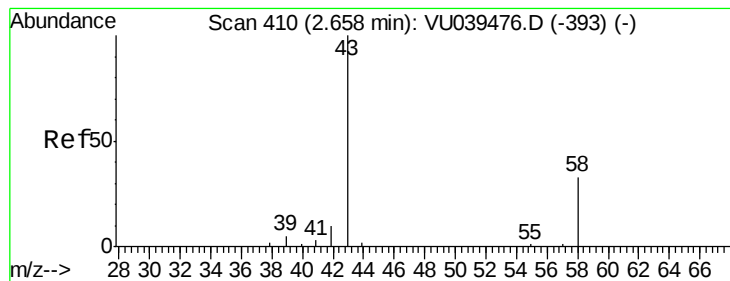
20000

10000

0

Time-->





#13

Acetone

Concen: 6.732 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU039481.D

Acq: 14 Jul 2020 13:53

Instrument :

MSVOA_U

ClientSampled :

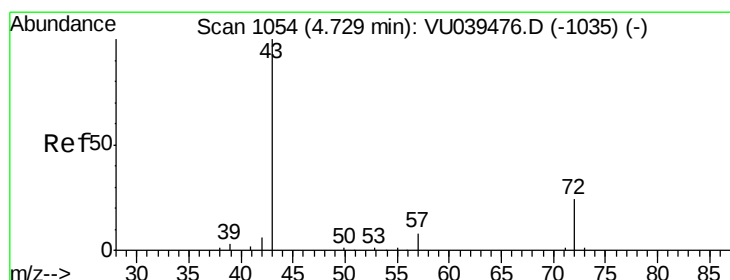
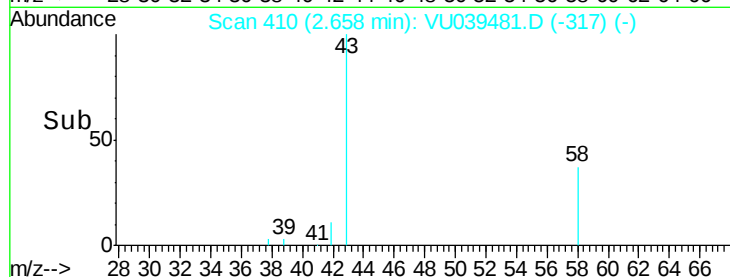
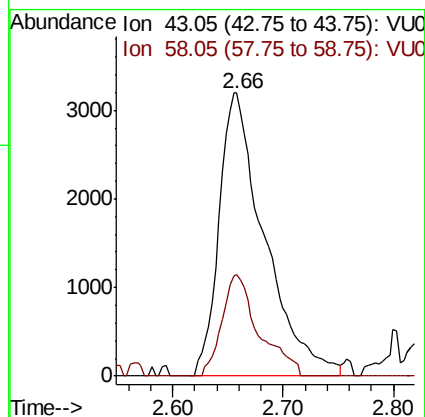
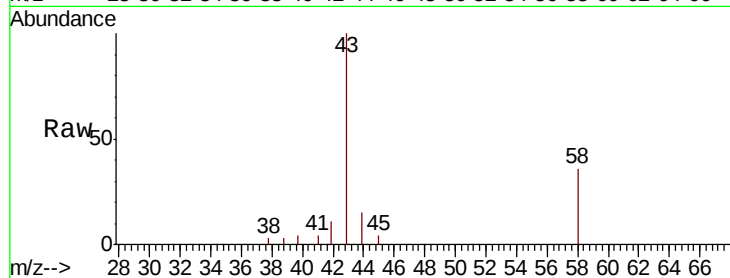
BFT99

Tot Ion: 43 Resp: 9109

Ion Ratio Lower Upper

43 100

58 29.3 0.0 62.8



#21

2-Butanone

Concen: 4.102 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VU039481.D

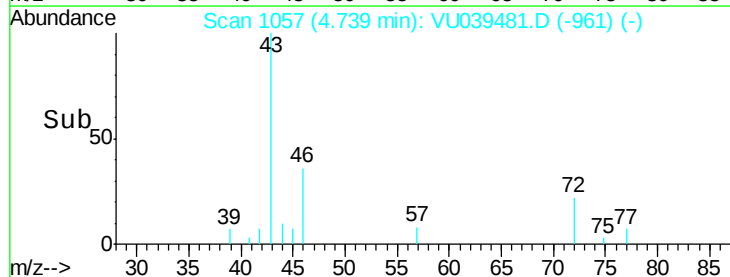
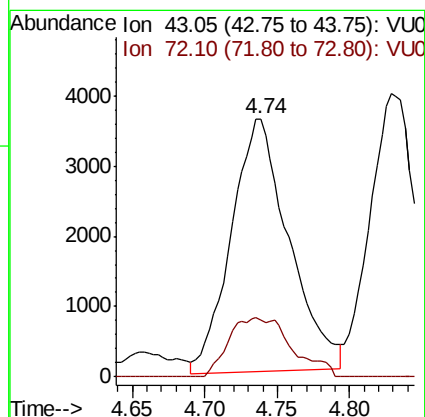
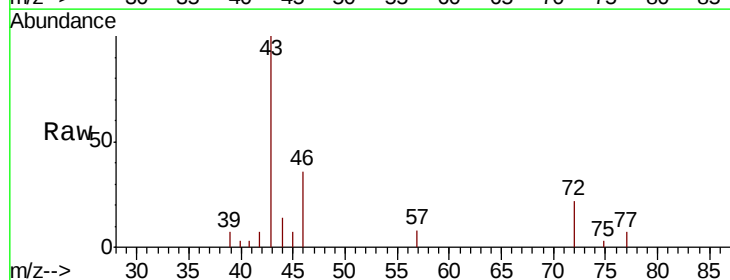
Acq: 14 Jul 2020 13:53

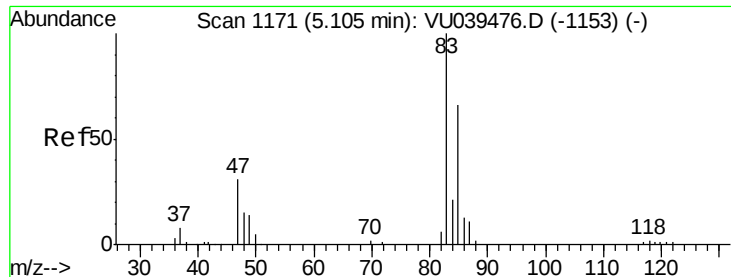
Tgt Ion: 43 Resp: 9905

Ion Ratio Lower Upper

43 100

72 25.6 13.2 39.5

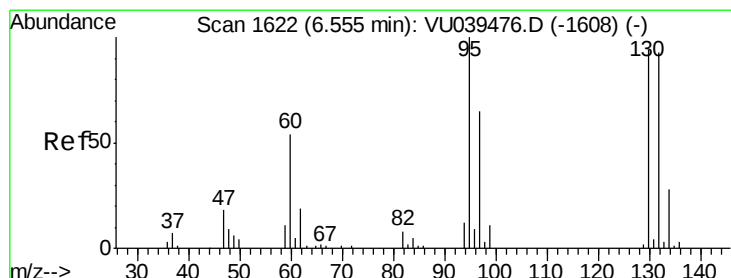
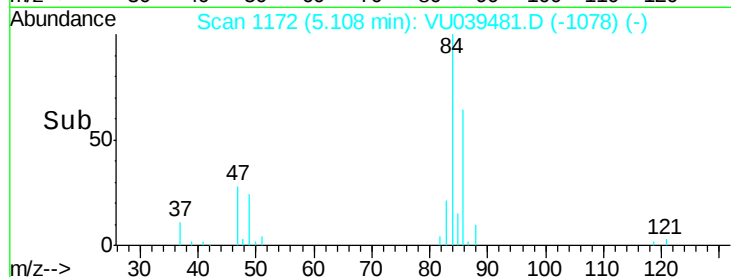
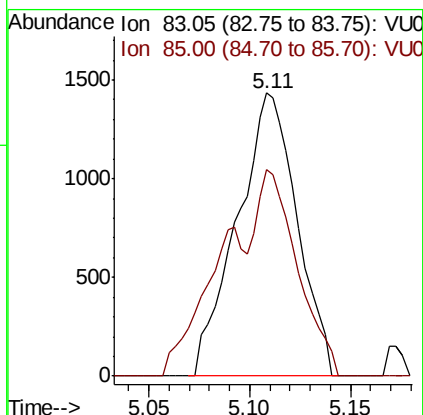
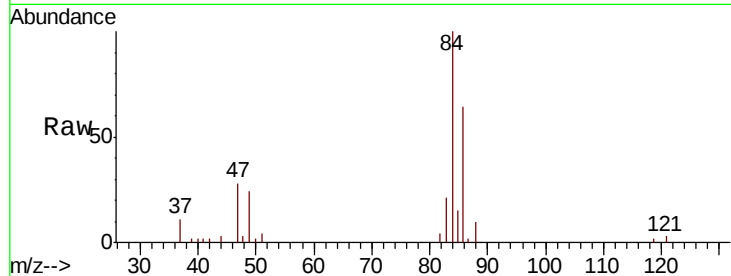




#25
Chloroform
Concen: 0.241 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039481.D
Acq: 14 Jul 2020 13:53

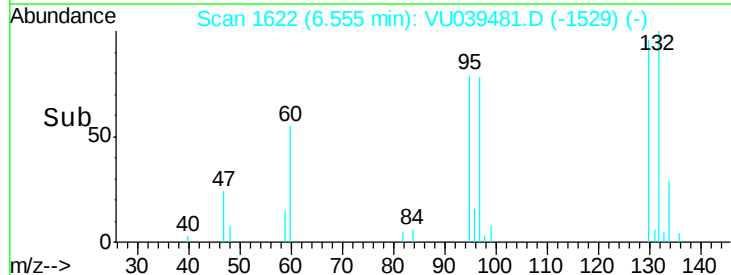
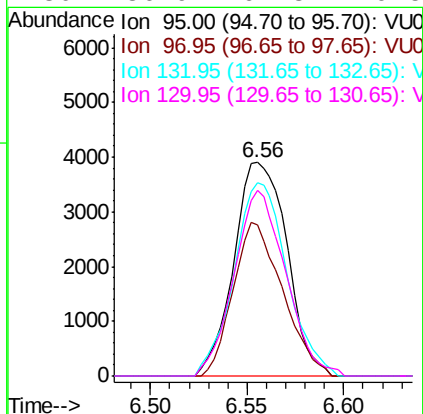
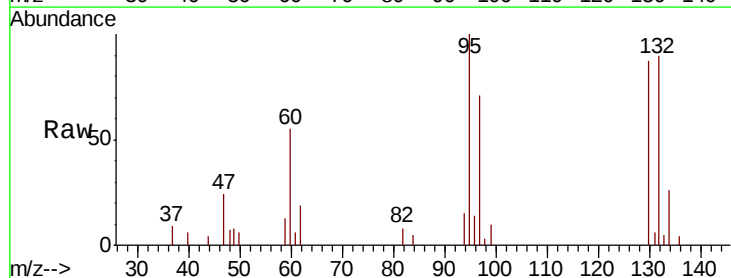
Instrument :
MSVOA_U
ClientSampleId :
BFT99

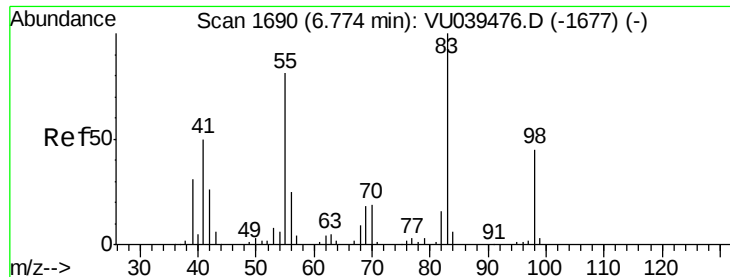
Tot Ion: 83 Resp: 2963
Ion Ratio Lower Upper
83 100
85 73.1 44.9 83.5



#34
Trichloroethene
Concen: 1.057 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. -0.00 min
Lab File: VU039481.D
Acq: 14 Jul 2020 13:53

Tgt Ion: 95 Resp: 7432
Ion Ratio Lower Upper
95 100
97 70.7 46.3 85.9
132 90.3 64.0 118.8
130 86.9 64.3 119.5

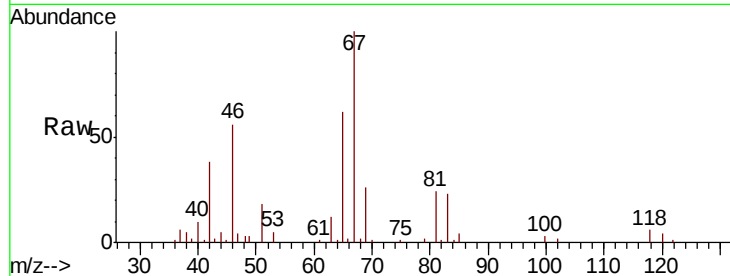




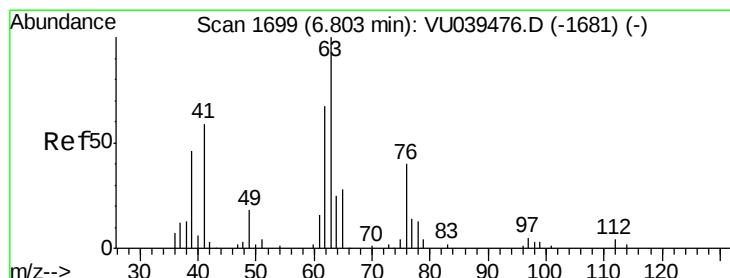
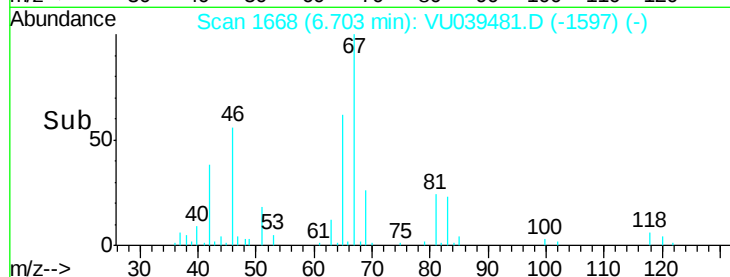
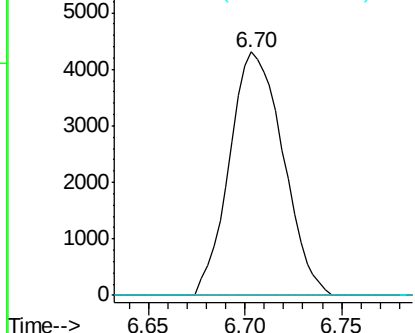
#35
Methvlcvclohexane
Concen: 0.735 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039481.D
Acq: 14 Jul 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
BFT99

Tot Ion: 83 Resp: 8278
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 3.7 35.9 53.9#

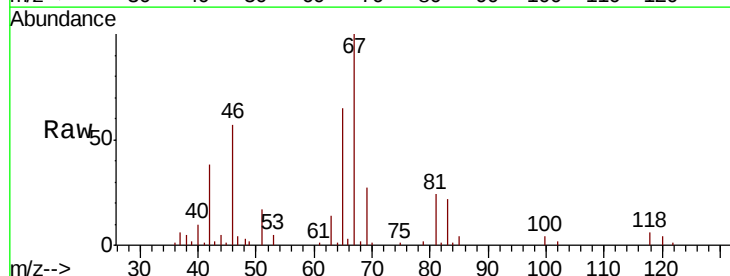


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

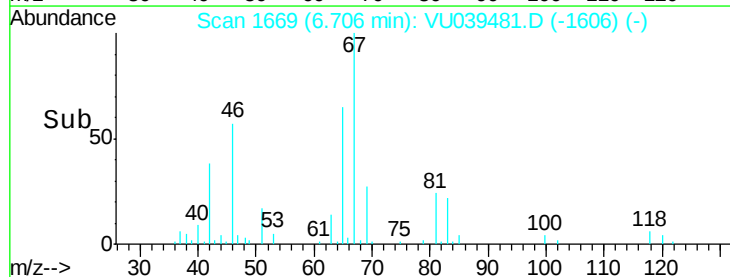
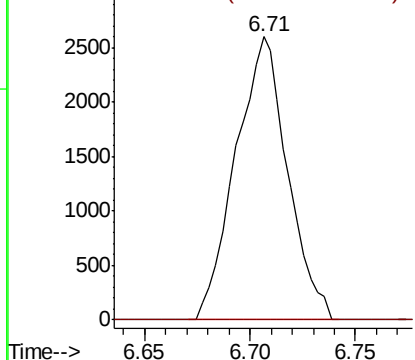


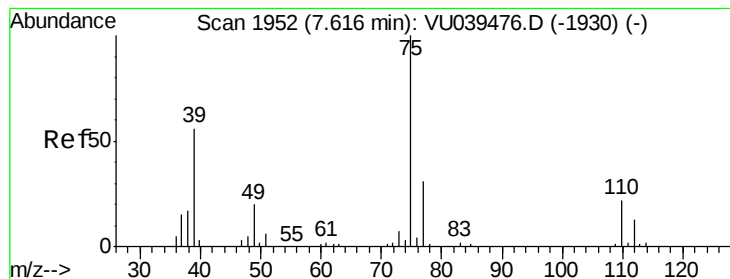
#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039481.D
Acq: 14 Jul 2020 13:53

Tgt Ion: 63 Resp: 4438
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



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: 0.118 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039481.D

Acq: 14 Jul 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

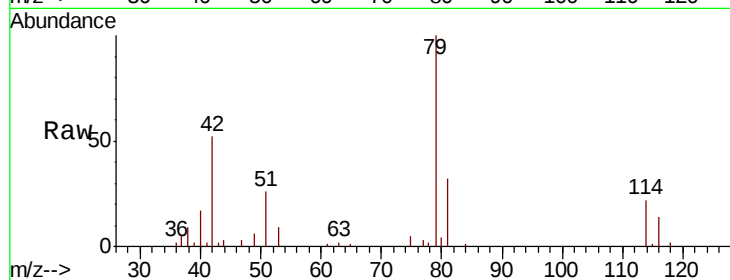
BFT99

Tot Ion: 75 Resp: 1327

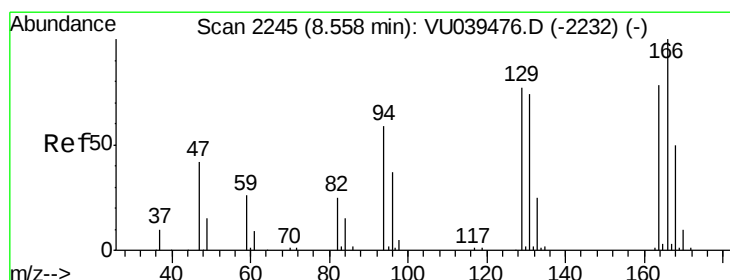
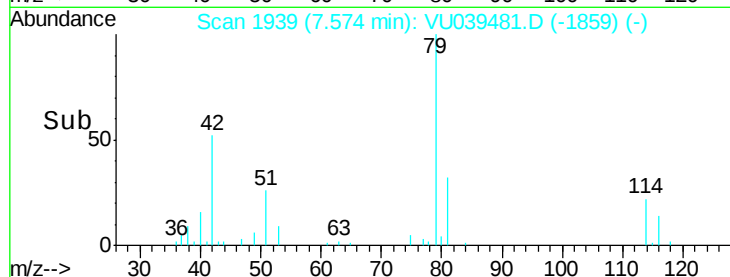
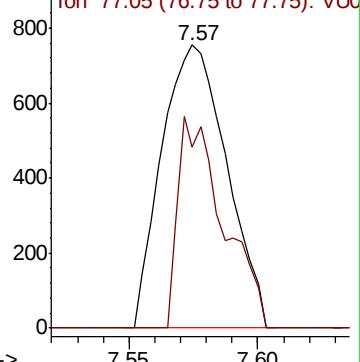
Ion Ratio Lower Upper

75 100

77 63.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039481.D (-1859) (-)



#47

Tetrachloroethene

Concen: 0.851 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039481.D

Acq: 14 Jul 2020 13:53

Tgt Ion: 164 Resp: 4163

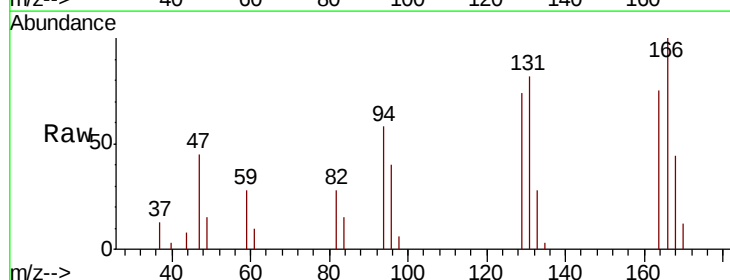
Ion Ratio Lower Upper

164 100

129 98.7 68.6 127.4

131 109.7 66.4 123.4

166 133.5 85.9 159.5

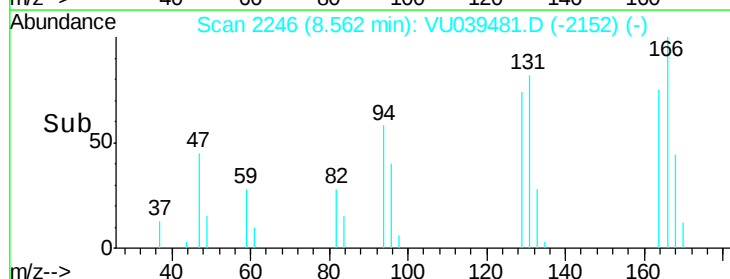
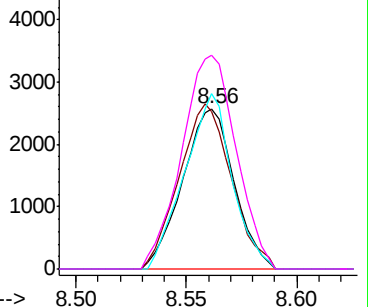


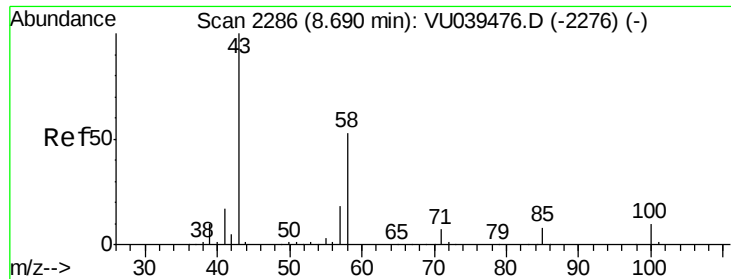
Abundance Ion 163.90 (163.60 to 164.60): VU039481.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU039481.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU039481.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU039481.D (-2152) (-)

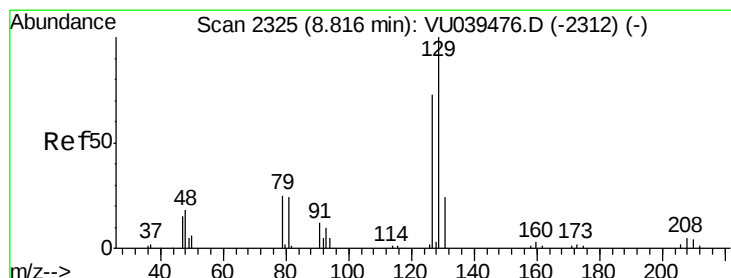
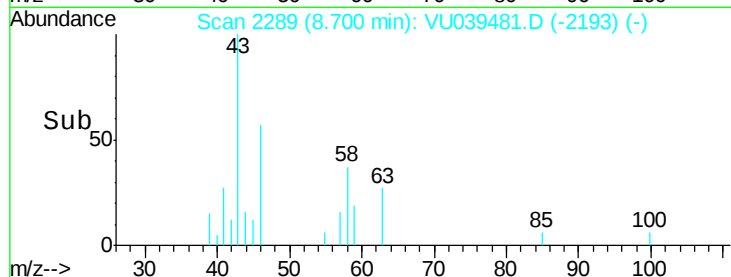
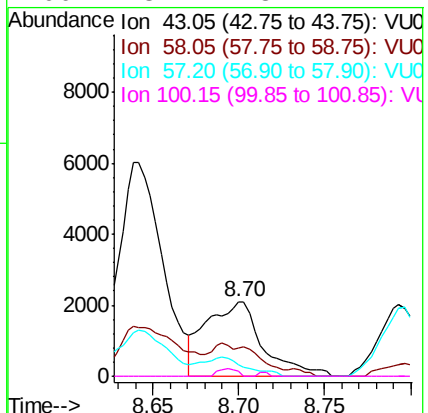
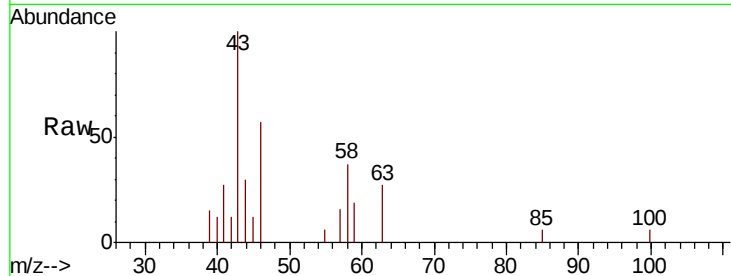




#48
2-Hexanone
Concen: 1.058 ug/L
RT: 8.70 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VU039481.D
Acq: 14 Jul 2020 13:53

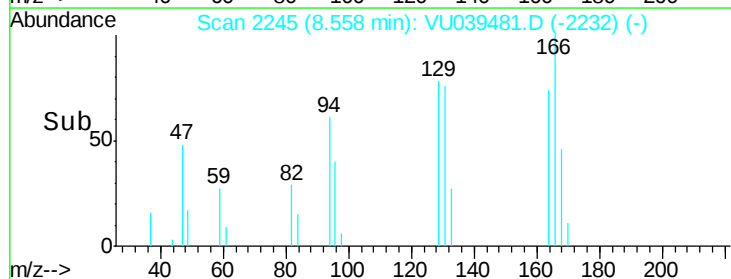
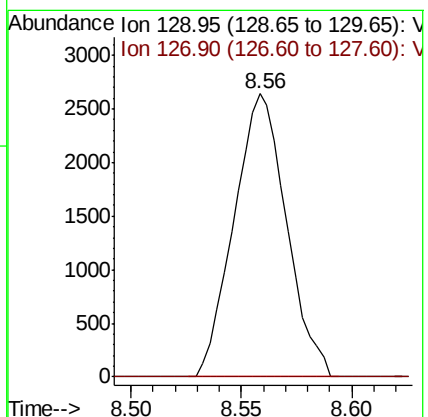
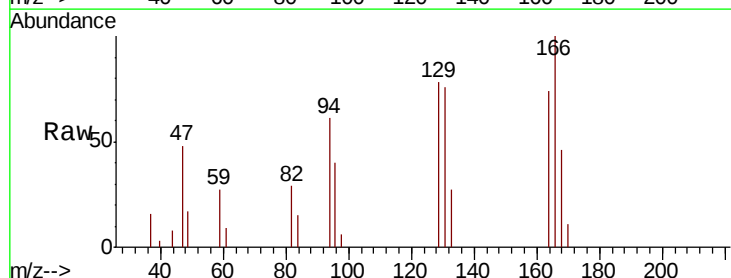
Instrument :
MSVOA_U
ClientSampleId :
BFT99

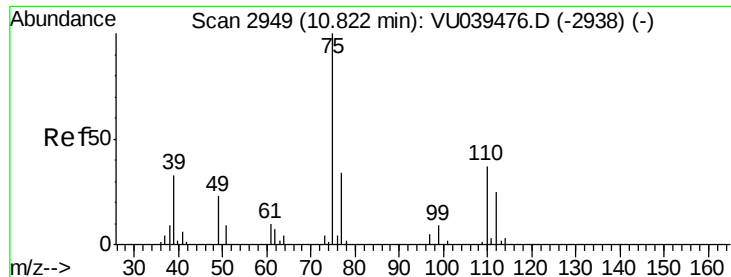
Tot Ion: 43 Resp: 4825
Ion Ratio Lower Upper
43 100
58 38.2 42.0 63.0#
57 20.1 14.0 21.0
100 3.4 8.2 12.2#



#49
Dibromochloromethane
Concen: 0.675 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.26 min
Lab File: VU039481.D
Acq: 14 Jul 2020 13:53

Tgt Ion: 129 Resp: 4352
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#59

1,2,3-Trichloropropane

Concen: 1.253 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039481.D

Acq: 14 Jul 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

BFT99

Tot Ion: 75 Resp: 6846

Ion Ratio Lower Upper

75 100

77 36.4 26.8 40.2

