

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
 Data File : VU038910.D
 Acq On : 15 Jun 2020 22:32
 Operator : SY/MD
 Sample : L2985-04DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT72DL

Quant Time: Jun 16 02:01:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 16 01:57:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	283426	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	286667	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149084	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	85229	6.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.80%
7) Chloroethane-d5	1.93	69	77286	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.40%
11) 1,1-Dichloroethene-d2	2.58	63	135249	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	4.69	46	324795	63.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.08%
24) Chloroform-d	5.10	84	181159	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.74	65	113036	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
32) Benzene-d6	5.76	84	356605	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.72	67	110581	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	7.92	98	293055	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.20	79	44253	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.67	63	271299	62.60	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.20%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	104452	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	125845	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

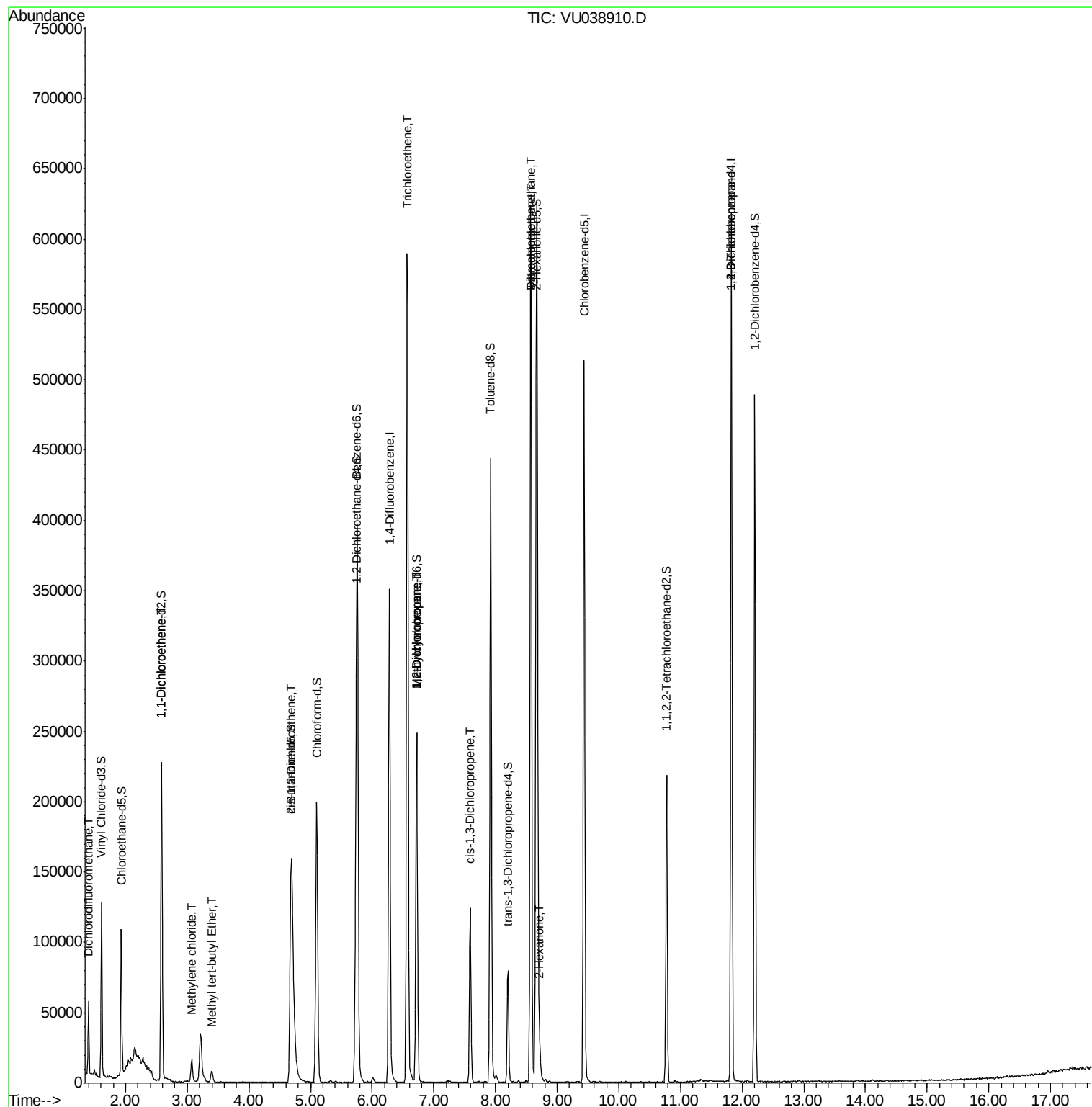
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	17138	0.621	ug/L	99
12) 1,1-Dichloroethene	2.59	96	2057	0.103	ug/L #	1
16) Methylene chloride	3.07	84	7901	0.343	ug/L	87
17) Methyl tert-butyl Ether	3.40	73	8348	0.163	ug/L	97
22) cis-1,2-Dichloroethene	4.70	96	8454	0.381	ug/L	97
34) Trichloroethene	6.57	95	199561	8.975	ug/L	99
35) Methylcyclohexane	6.72	83	26825	0.810	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	12785	0.582	ug/L #	85
39) cis-1,3-Dichloropropene	7.59	75	3499	0.111	ug/L	94
47) Tetrachloroethene	8.57	164	141260	8.290	ug/L	97
48) 2-Hexanone	8.72	43	10909	0.918	ug/L #	86
49) Dibromochloromethane	8.57	129	134835	6.919	ug/L #	9
59) 1,2,3-Trichloropropane	11.83	75	20744	1.225	ug/L	92

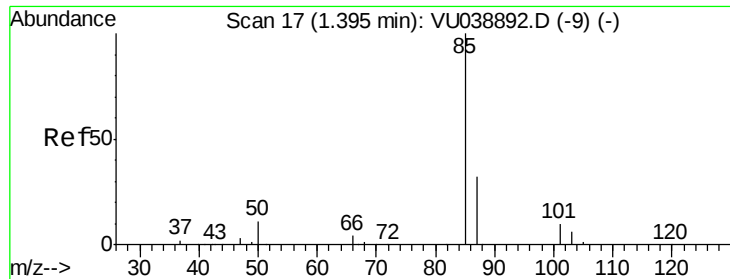
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.621 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038910.D

Acq: 15 Jun 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

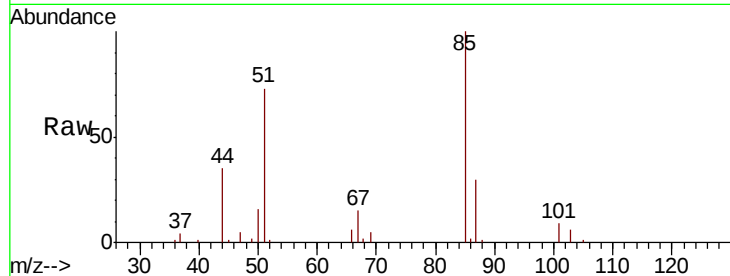
BFT72DL

Tot Ion: 85 Resp: 17138

Ion Ratio Lower Upper

85 100

87 30.5 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU038910.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038910.D (-1) (-)

1.39

15000

10000

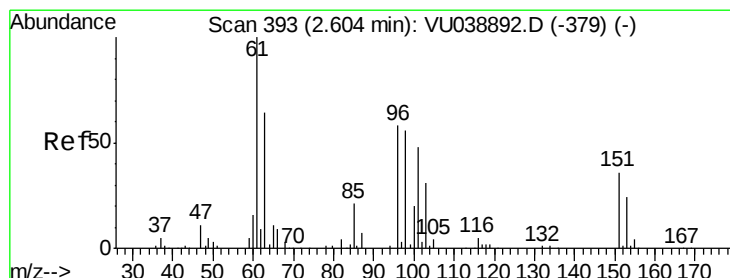
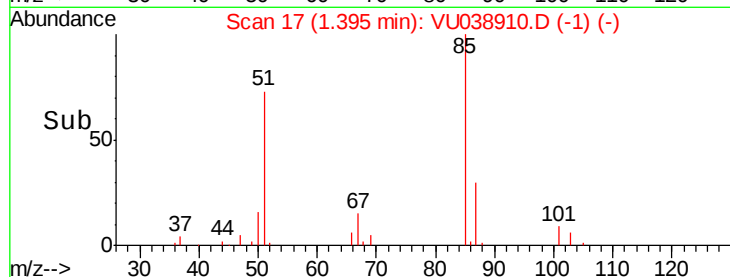
5000

0

Time-->

1.35

1.40



#12

1,1-Dichloroethene

Concen: 0.103 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU038910.D

Acq: 15 Jun 2020 22:32

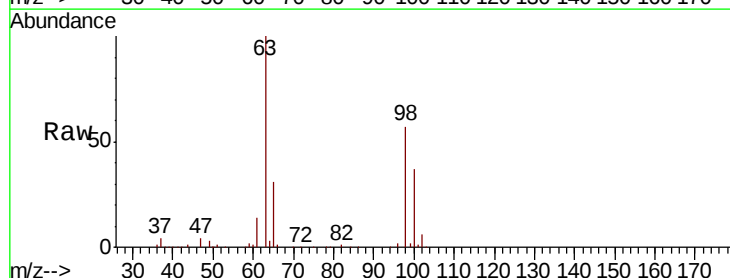
Tgt Ion: 96 Resp: 2057

Ion Ratio Lower Upper

96 100

61 865.1 124.9 232.1#

63 6315.2 79.1 146.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038910.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU038910.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU038910.D (-300) (-)

100000

80000

60000

40000

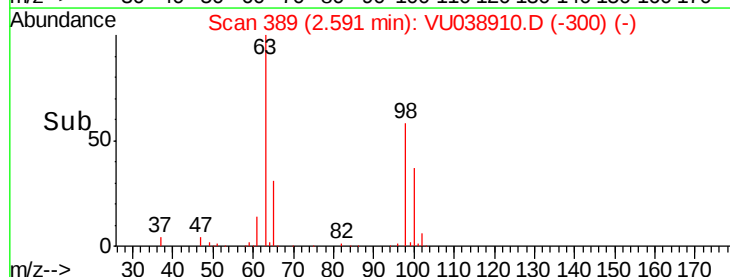
20000

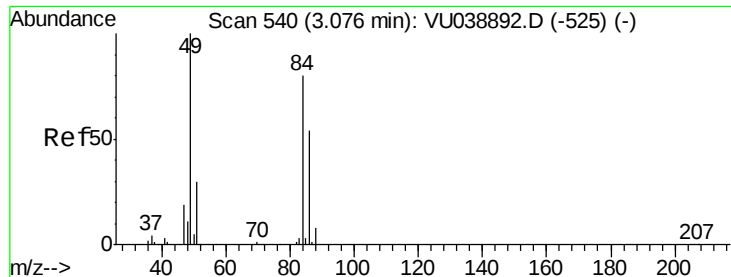
0

Time-->

2.55

2.60

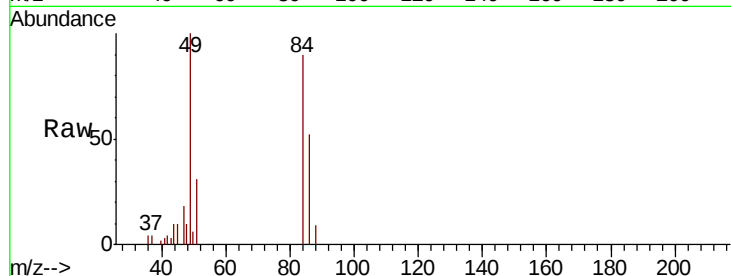




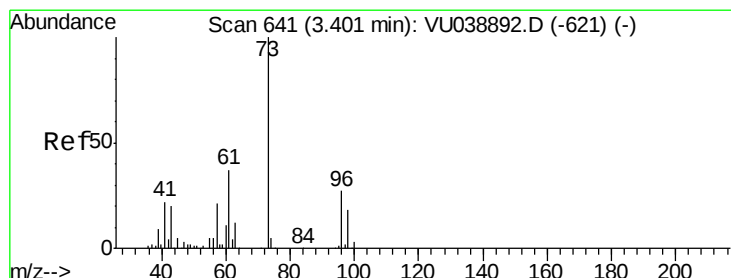
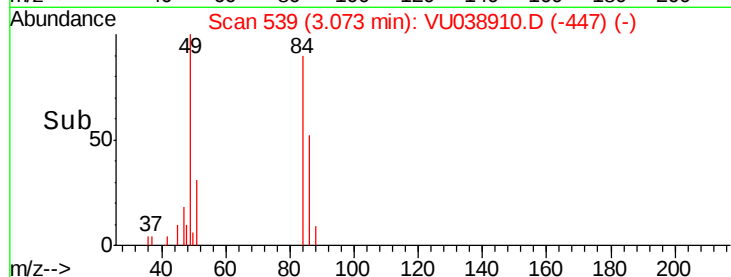
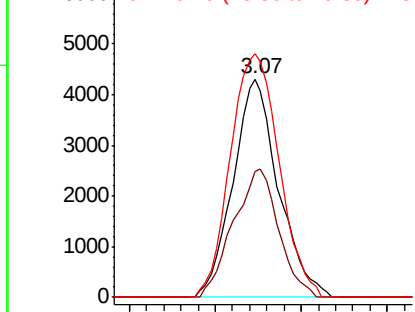
#16
Methvlene chloride
Concen: 0.343 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU038910.D
Acq: 15 Jun 2020 22:32

Instrument :
MSVOA_U
ClientSampleId :
BFT72DL

Tot Ion: 84 Resp: 7901
Ion Ratio Lower Upper
84 100
86 58.0 47.9 89.1
49 111.7 88.4 164.2

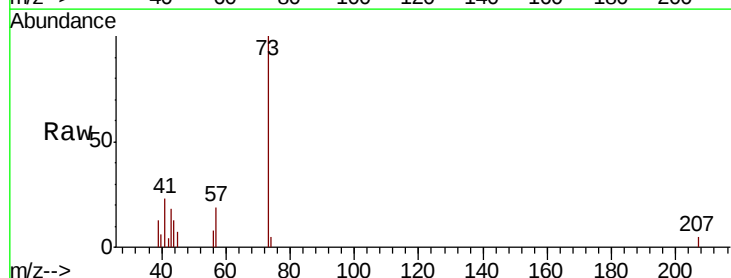


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

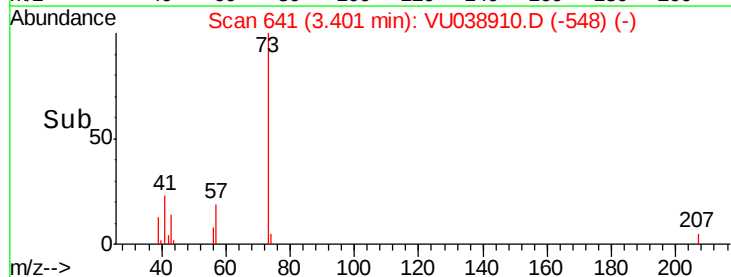
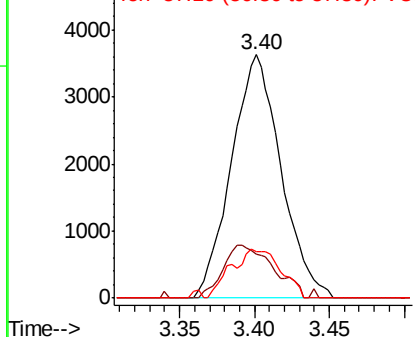


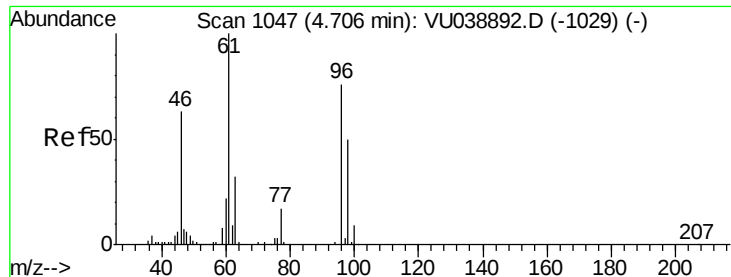
#17
Methyl tert-butyl Ether
Concen: 0.163 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038910.D
Acq: 15 Jun 2020 22:32

Tgt Ion: 73 Resp: 8348
Ion Ratio Lower Upper
73 100
43 22.0 16.6 24.8
57 20.1 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.381 ug/L

RT: 4.70 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VU038910.D

Acq: 15 Jun 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

BFT72DL

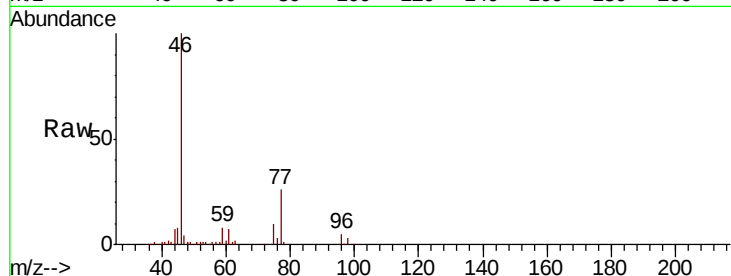
Tot Ion: 96 Resp: 8454

Ion Ratio Lower Upper

96 100

61 132.3 90.5 168.1

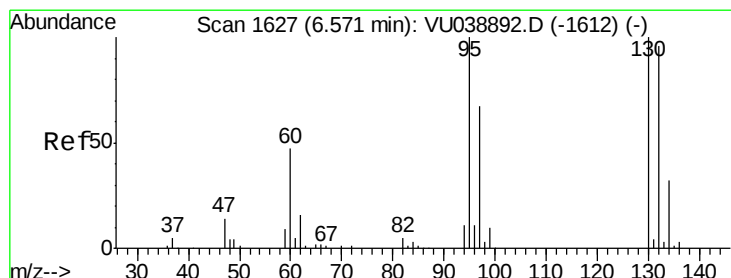
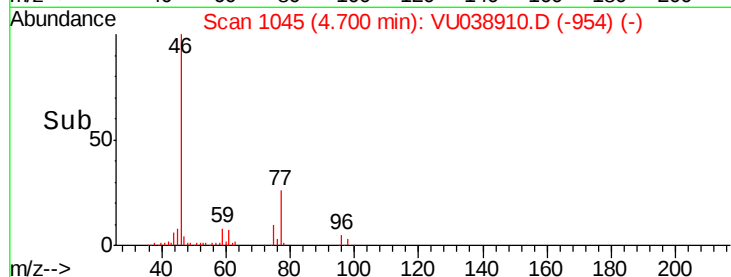
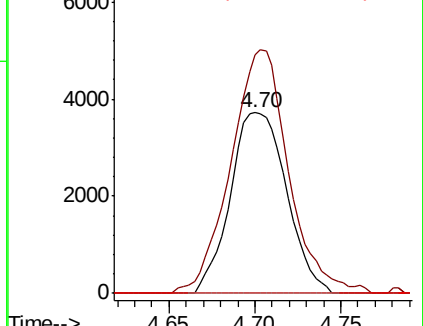
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038910.D (-1534) (-)

Ion 61.05 (60.75 to 61.75): VU038910.D (-1534) (-)

Ion 68.15 (67.85 to 68.85): VU038910.D (-1534) (-)



#34

Trichloroethene

Concen: 8.975 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038910.D

Acq: 15 Jun 2020 22:32

Tgt Ion: 95 Resp: 199561

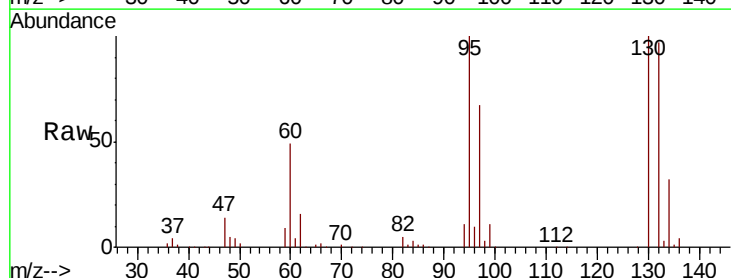
Ion Ratio Lower Upper

95 100

97 66.6 46.1 85.5

132 96.9 68.2 126.6

130 99.8 71.0 131.9

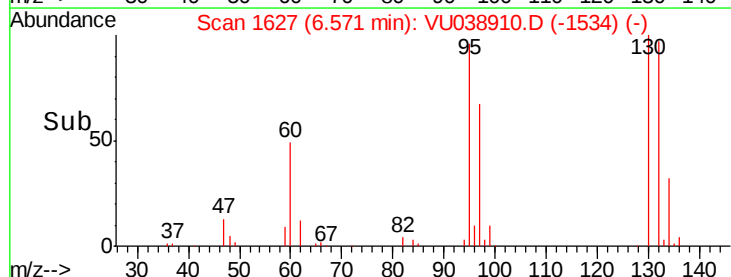
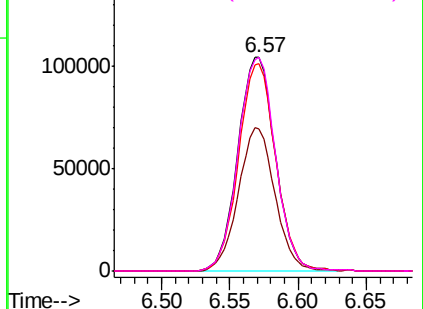


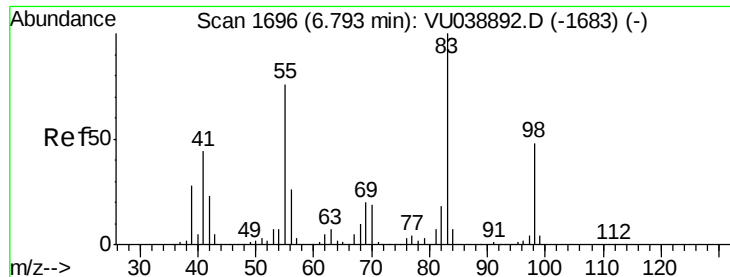
Abundance Ion 95.00 (94.70 to 95.70): VU038910.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038910.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038910.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038910.D (-1534) (-)

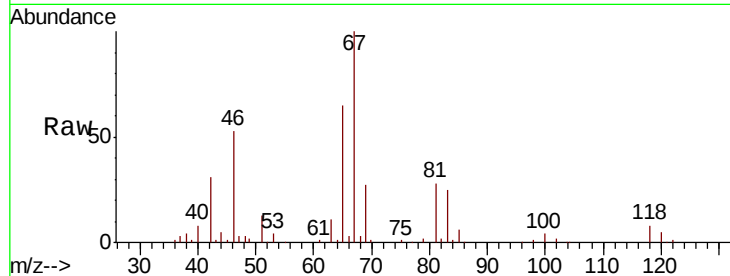




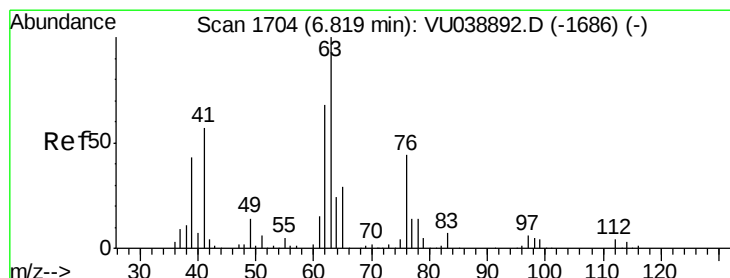
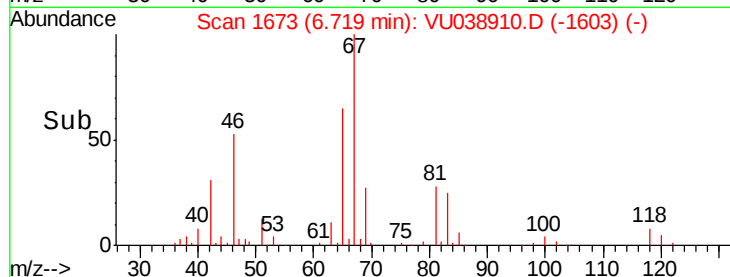
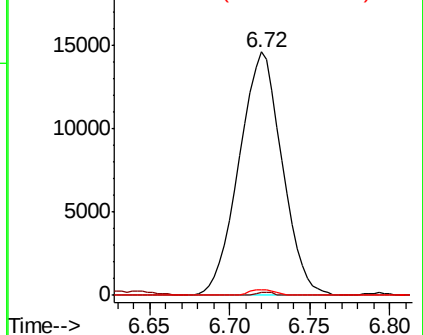
#35
Methylcyclohexane
Concen: 0.810 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038910.D
Acq: 15 Jun 2020 22:32

Instrument :
MSVOA_U
ClientSampleId :
BFT72DL

Tot Ion: 83 Resp: 26825
Ion Ratio Lower Upper
83 100
55 0.4 63.6 95.4#
98 1.5 38.9 58.3#

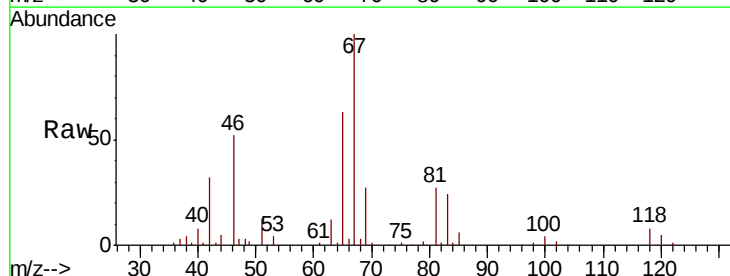


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

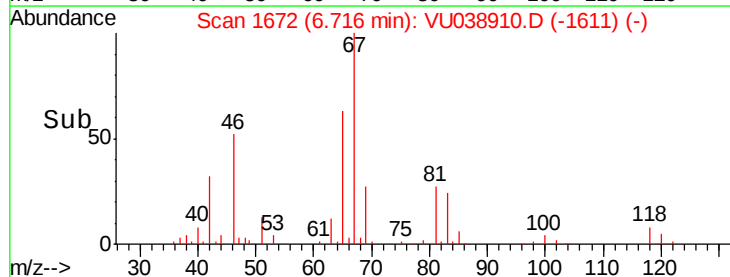
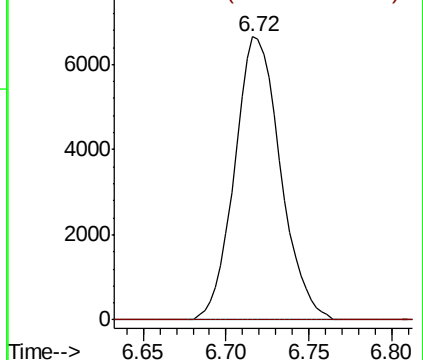


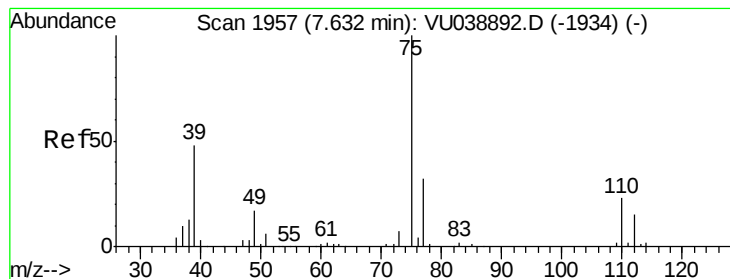
#37
1,2-Dichloropropane
Concen: 0.582 ug/L
RT: 6.72 min Scan# 1672
Delta R.T. -0.10 min
Lab File: VU038910.D
Acq: 15 Jun 2020 22:32

Tgt Ion: 63 Resp: 12785
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



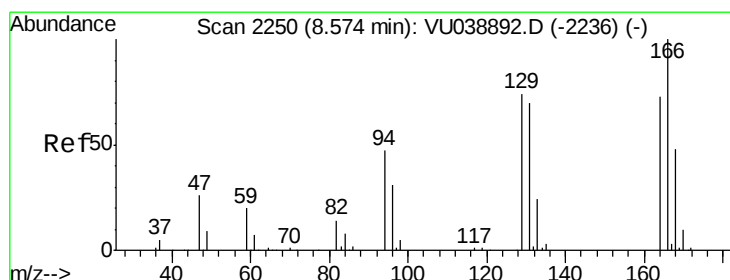
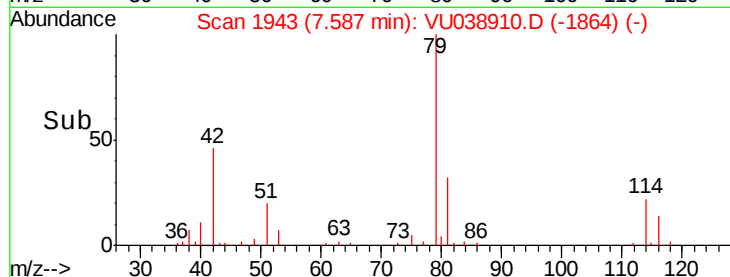
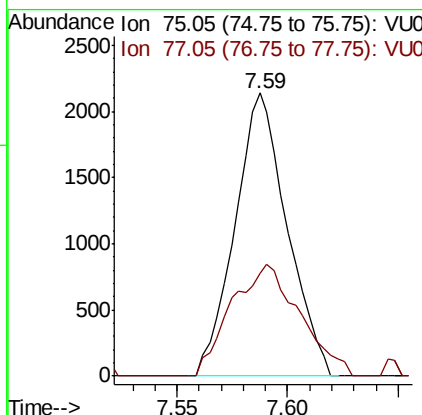
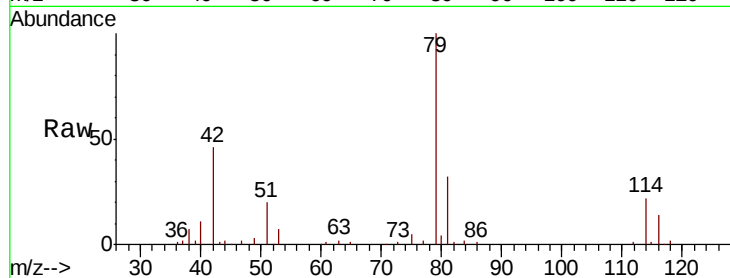


#39

cis-1,3-Dichloropropene
Concen: 0.111 ug/L
RT: 7.59 min Scan# 1943
Delta R.T. -0.04 min
Lab File: VU038910.D
Acq: 15 Jun 2020 22:32

Instrument :
MSVOA_U
ClientSampleId :
BFT72DL

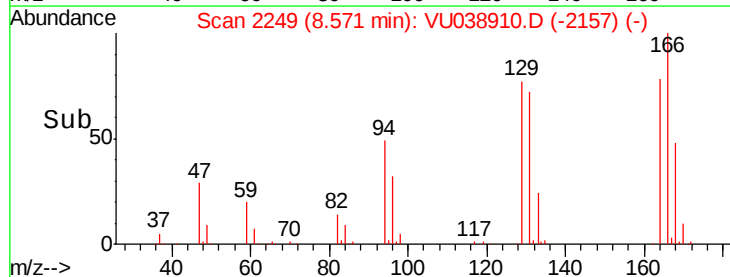
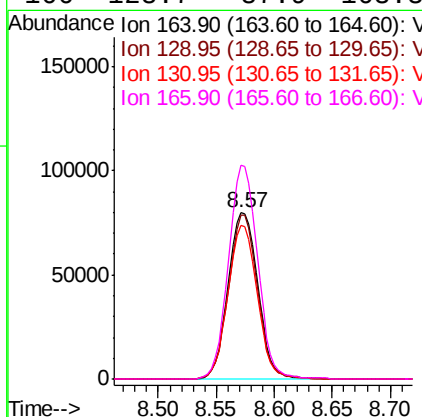
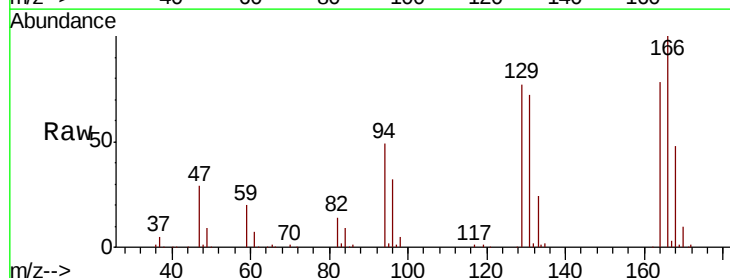
Tot Ion: 75 Resp: 3499
Ion Ratio Lower Upper
75 100
77 36.2 23.0 42.6

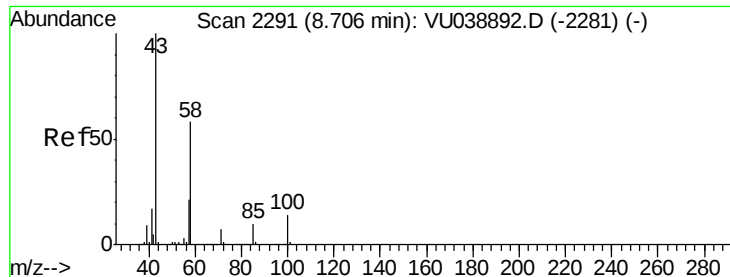


#47

Tetrachloroethene
Concen: 8.290 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.00 min
Lab File: VU038910.D
Acq: 15 Jun 2020 22:32

Tgt Ion:164 Resp: 141260
Ion Ratio Lower Upper
164 100
129 98.7 65.5 121.7
131 92.4 63.9 118.7
166 128.7 87.9 163.3

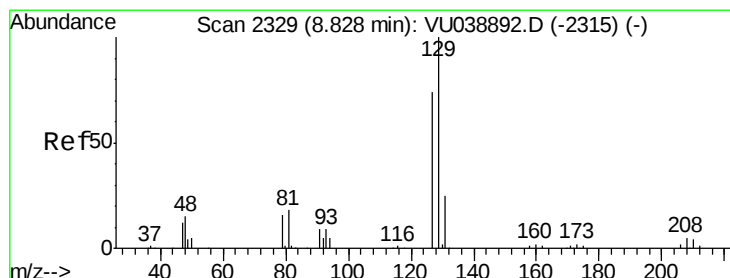
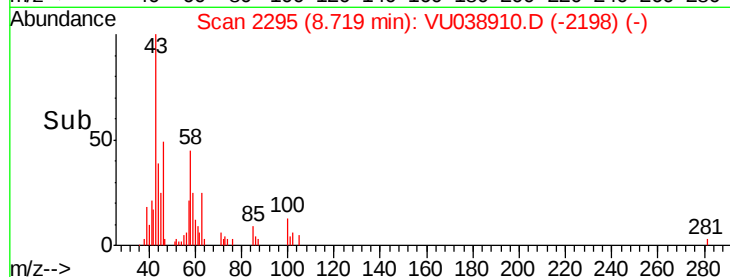
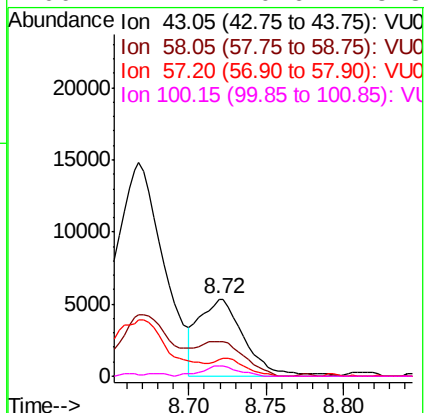
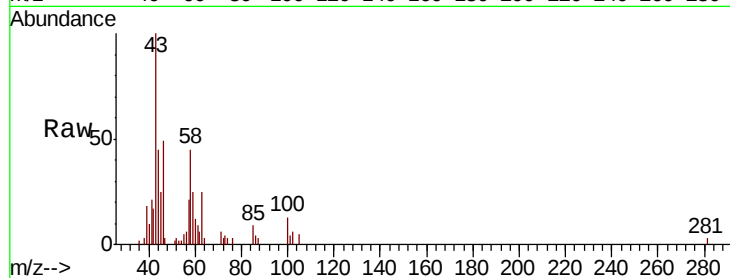




#48
2-Hexanone
Concen: 0.918 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU038910.D
Acq: 15 Jun 2020 22:32

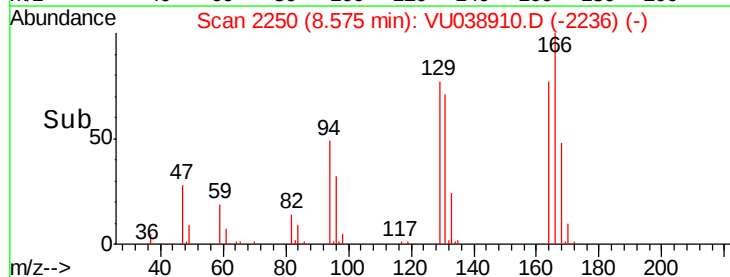
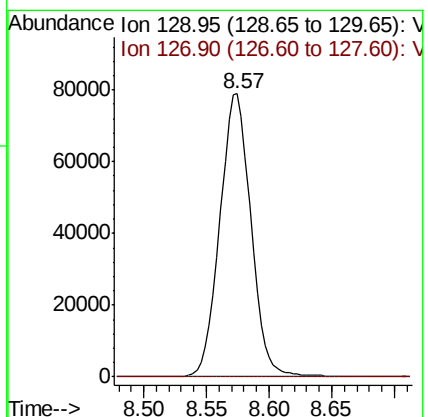
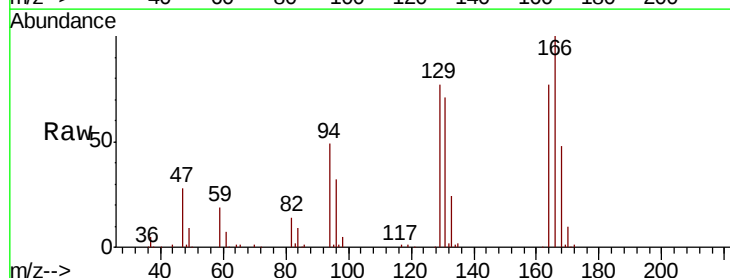
Instrument :
MSVOA_U
ClientSampleId :
BFT72DL

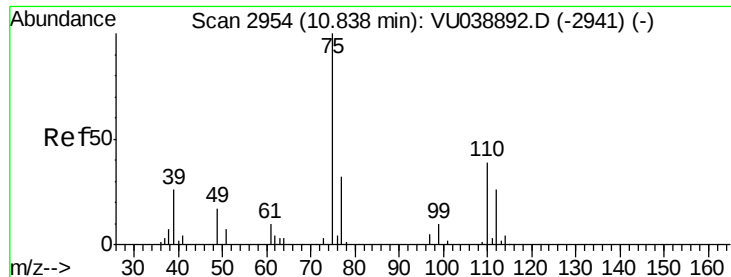
Tot Ion: 43 Resp: 10909
Ion Ratio Lower Upper
43 100
58 43.8 45.4 68.2#
57 15.8 16.4 24.6#
100 11.1 10.6 15.8



#49
Dibromochloromethane
Concen: 6.919 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.25 min
Lab File: VU038910.D
Acq: 15 Jun 2020 22:32

Tgt Ion: 129 Resp: 134835
Ion Ratio Lower Upper
129 100
127 0.2 56.7 105.3#





#59

1,2,3-Trichloropropane

Concen: 1.225 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038910.D

Acq: 15 Jun 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

BFT72DL

Tot Ion: 75 Resp: 20744

Ion Ratio Lower Upper

75 100

77 36.6 25.9 38.9

