

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
 Data File : VU038904.D
 Acq On : 15 Jun 2020 20:14
 Operator : SY/MD
 Sample : L2975-09DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF8Q3DL

Quant Time: Jun 16 02:00:37 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	259180	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	255788	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	117252	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86457	6.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	134.00%#
7) Chloroethane-d5	1.93	69	92690	7.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	146.20%#
11) 1,1-Dichloroethene-d2	2.58	63	136862	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	4.68	46	318001	68.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.08%#
24) Chloroform-d	5.10	84	182833	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
26) 1,2-Dichloroethane-d4	5.73	65	111142	6.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.60%
32) Benzene-d6	5.76	84	361111	6.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.80%#
36) 1,2-Dichloropropane-d6	6.72	67	111602	6.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	125.80%
41) Toluene-d8	7.92	98	301694	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
43) trans-1,3-Dichloropropene-	8.20	79	46271	5.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	118.00%
46) 2-Hexanone-d5	8.66	63	268428	69.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	138.82%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	101670	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.80%#
64) 1,2-Dichlorobenzene-d4	12.20	152	149586	7.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	149.40%#

Target Compounds

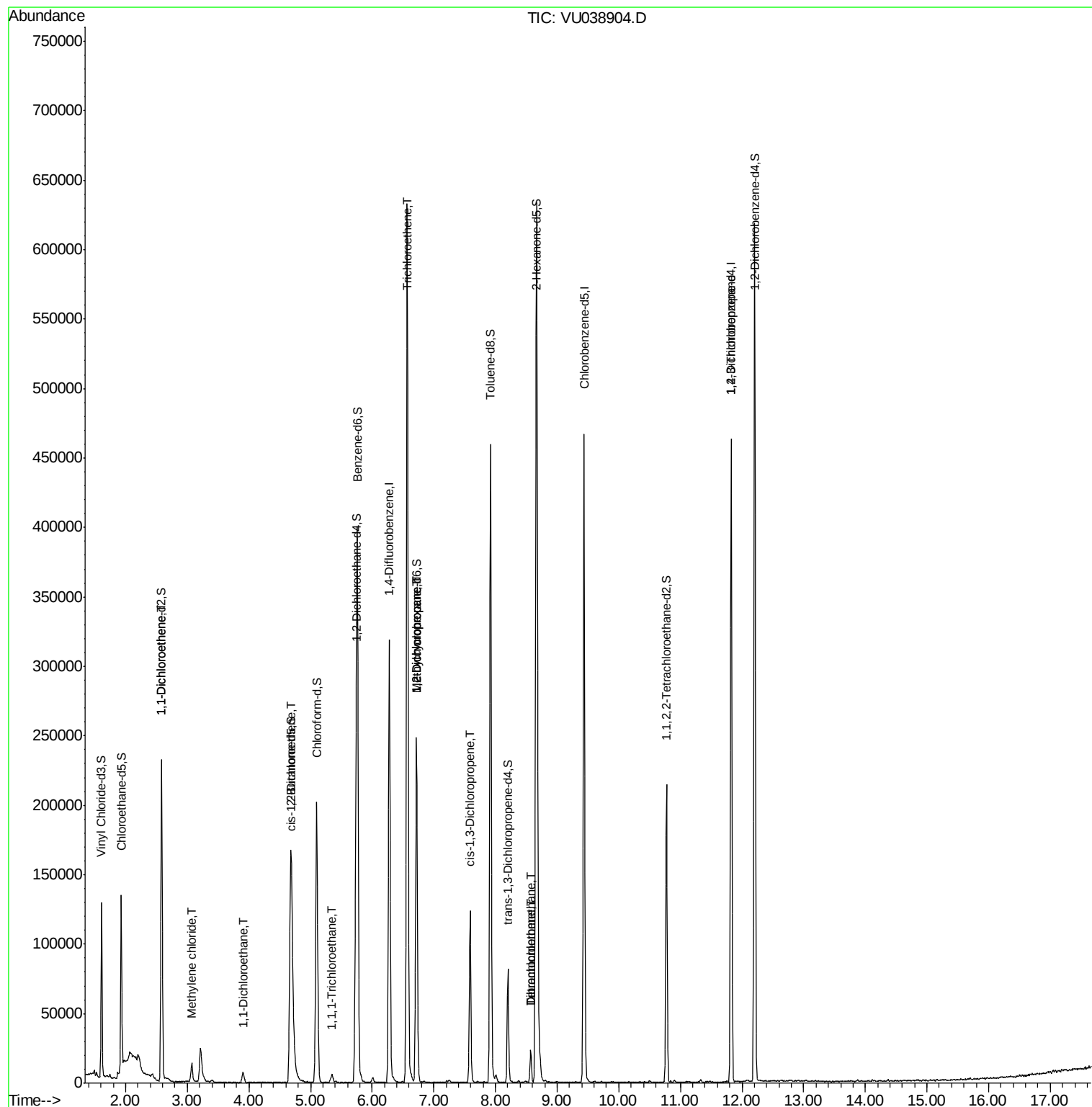
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	2696	0.147	ug/L #	1
16) Methylene chloride	3.07	84	6364	0.302	ug/L	94
19) 1,1-Dichloroethane	3.91	63	8842	0.249	ug/L #	84
22) cis-1,2-Dichloroethene	4.70	96	3132	0.154	ug/L	73
29) 1,1,1-Trichloroethane	5.35	97	4439	0.140	ug/L	96
34) Trichloroethene	6.57	95	213988	10.786	ug/L	99
35) Methylcyclohexane	6.72	83	28414	0.961	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12241	0.624	ug/L #	85
39) cis-1,3-Dichloropropene	7.59	75	3136	0.112	ug/L #	66
47) Tetrachloroethene	8.57	164	5176	0.340	ug/L	90
49) Dibromochloromethane	8.57	129	5230	0.301	ug/L #	9
59) 1,2,3-Trichloropropane	11.83	75	14751	0.976	ug/L	89

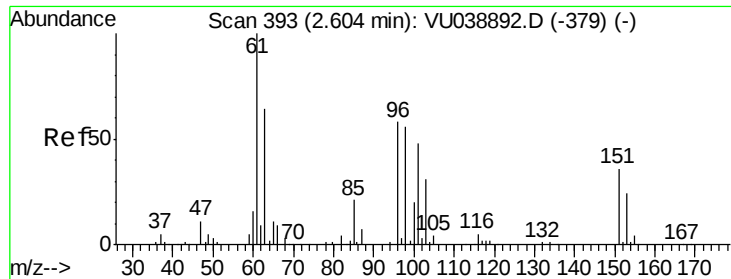
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.147 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038904.D

Acq: 15 Jun 2020 20:14

Instrument :

MSVOA_U

ClientSampleId :

BF8Q3DL

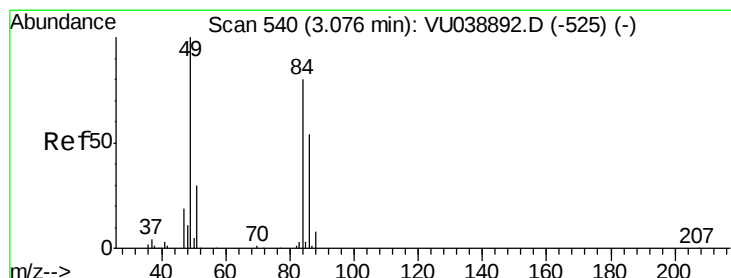
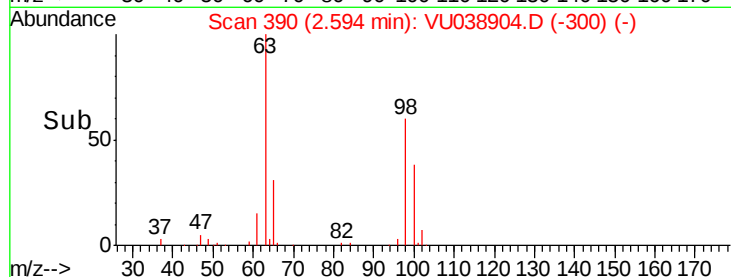
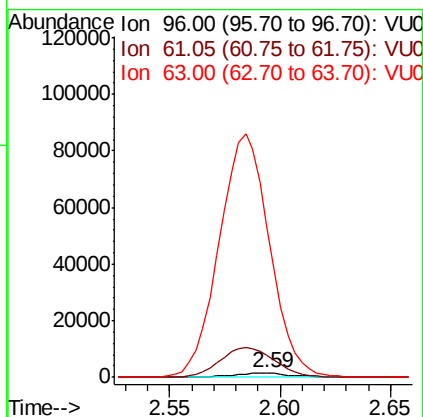
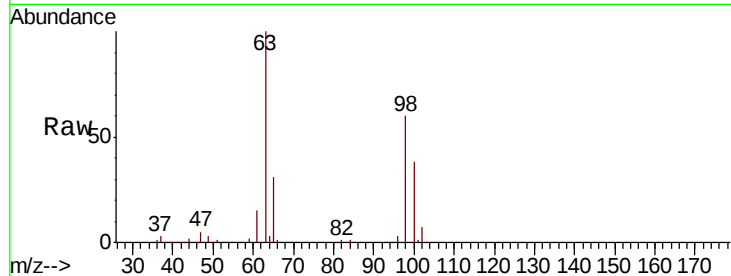
Tot Ion: 96 Resp: 2696

Ion Ratio Lower Upper

96 100

61 517.0 124.9 232.1#

63 3483.4 79.1 146.9#



#16

Methylene chloride

Concen: 0.302 ug/L

RT: 3.07 min Scan# 538

Delta R.T. -0.01 min

Lab File: VU038904.D

Acq: 15 Jun 2020 20:14

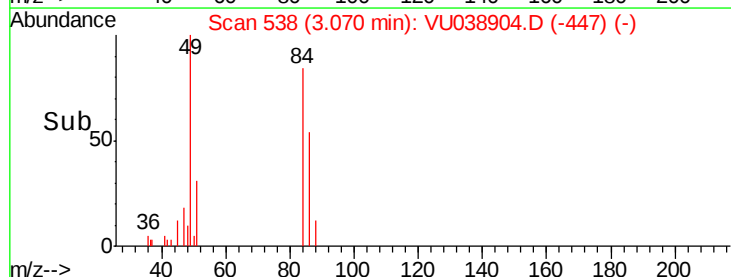
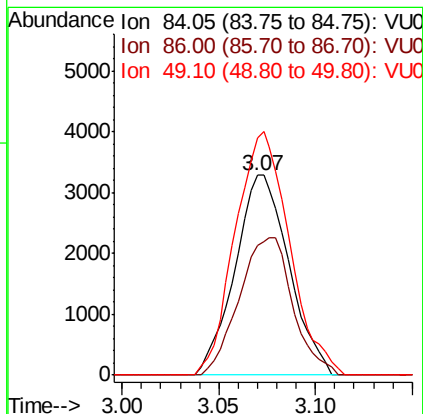
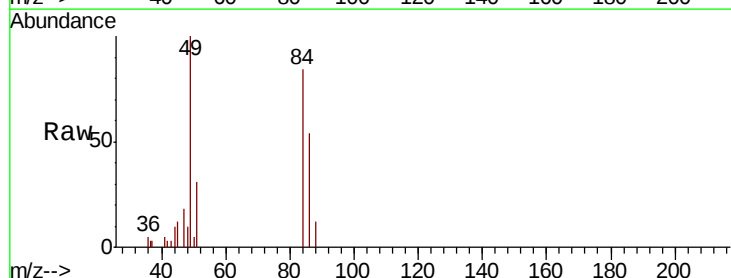
Tgt Ion: 84 Resp: 6364

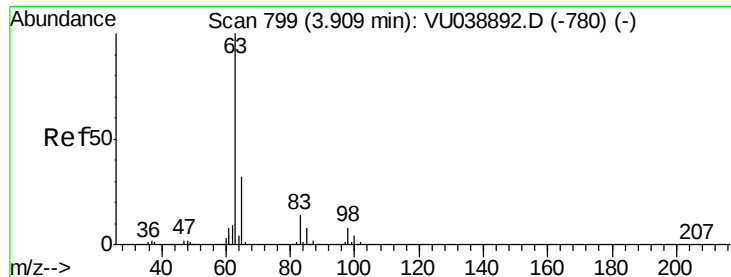
Ion Ratio Lower Upper

84 100

86 64.7 47.9 89.1

49 118.7 88.4 164.2





#19

1,1-Dichloroethane

Concen: 0.249 ug/L

RT: 3.91 min Scan# 798

Delta R.T. -0.00 min

Lab File: VU038904.D

Acq: 15 Jun 2020 20:14

Instrument :

MSVOA_U

ClientSampleId :

BF8Q3DL

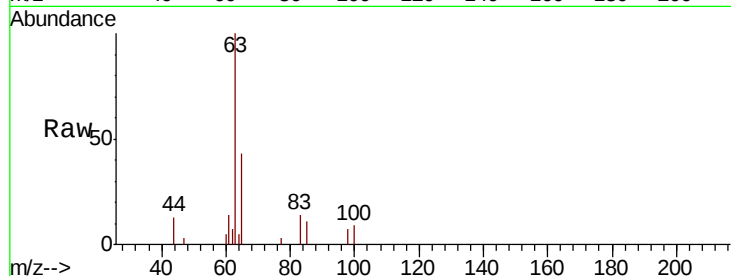
Tot Ion: 63 Resp: 8842

Ion Ratio Lower Upper

63 100

65 42.8 21.3 39.6#

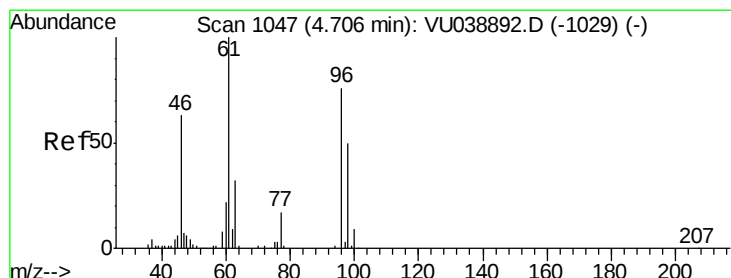
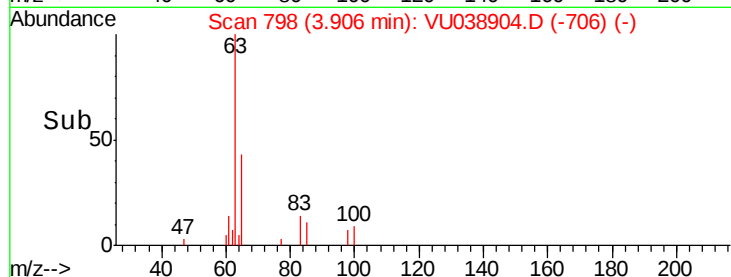
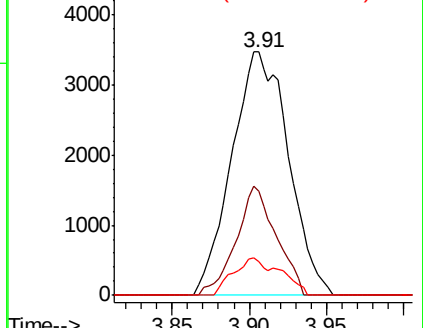
83 13.6 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VU038892.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038892.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038892.D (-780) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.154 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038904.D

Acq: 15 Jun 2020 20:14

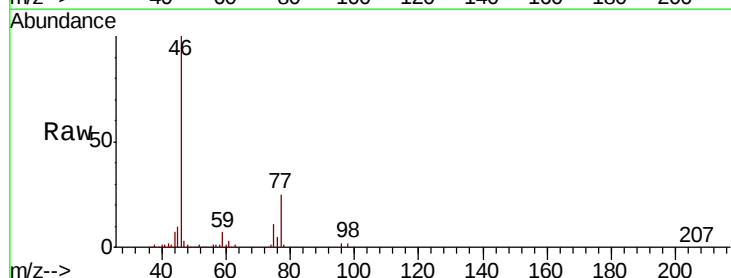
Tgt Ion: 96 Resp: 3132

Ion Ratio Lower Upper

96 100

61 160.2 90.5 168.1

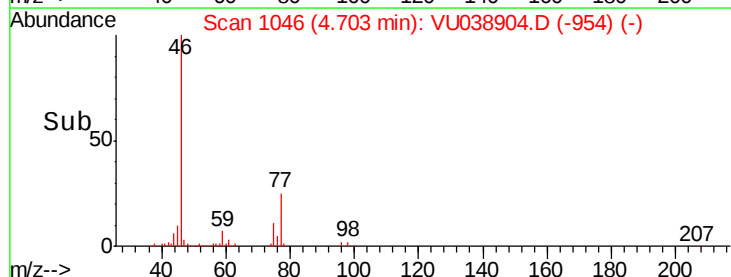
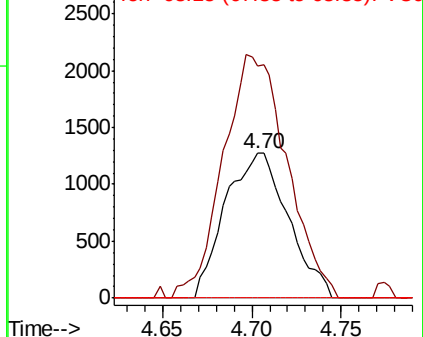
68 0.0 0.0 0.0

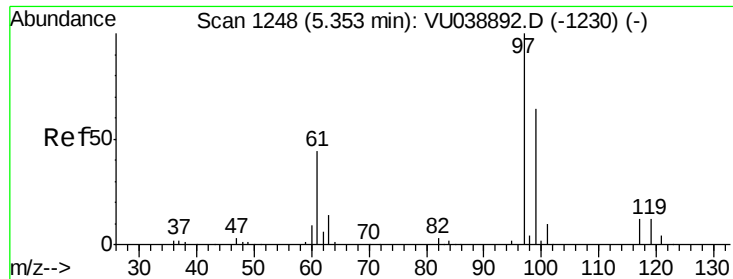


Abundance Ion 96.00 (95.70 to 96.70): VU038892.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU038892.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU038892.D (-1029) (-)

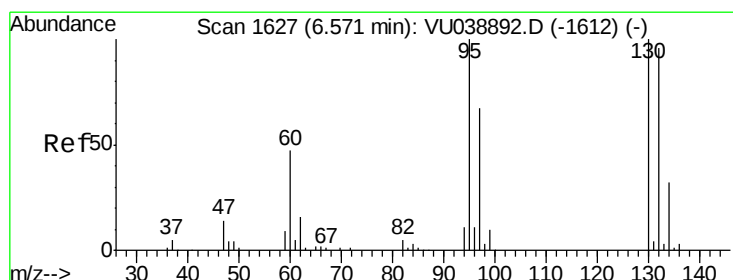
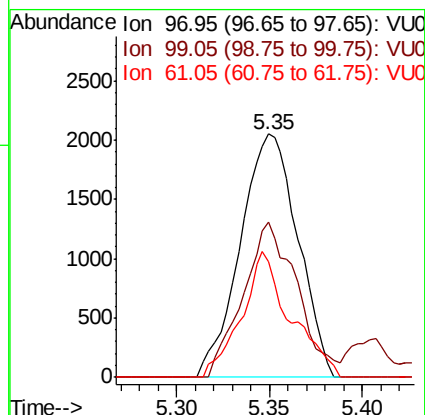
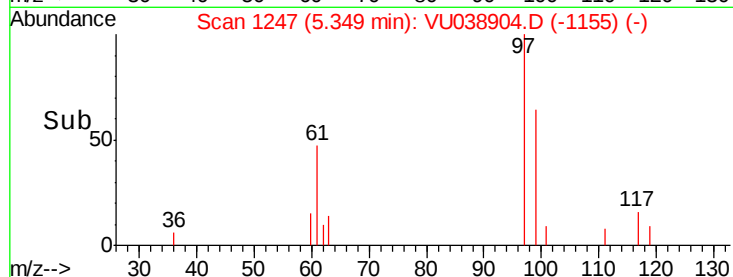
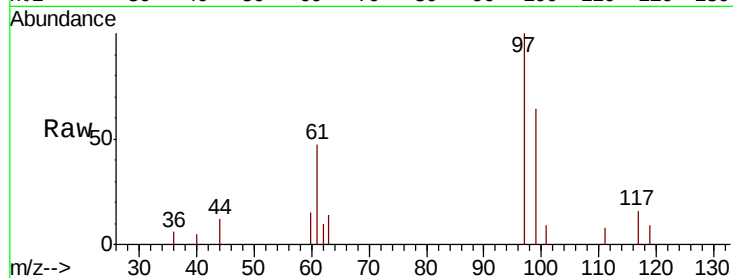




#29
 1,1,1-Trichloroethane
 Concen: 0.140 ug/L
 RT: 5.35 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: VU038904.D
 Acq: 15 Jun 2020 20:14

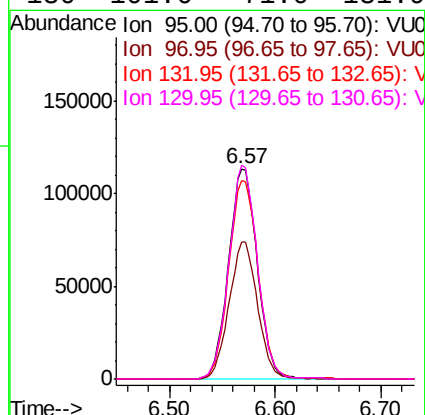
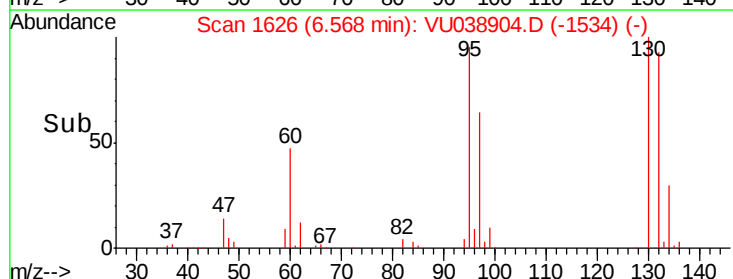
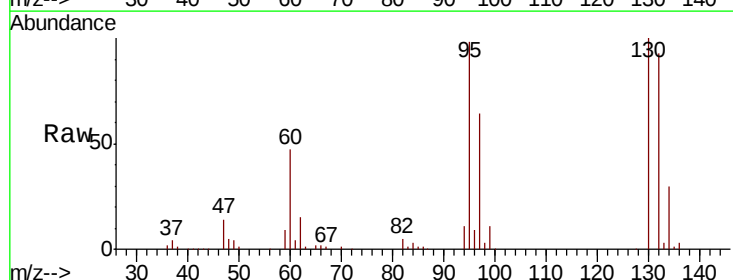
Instrument :
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 BF8Q3DL

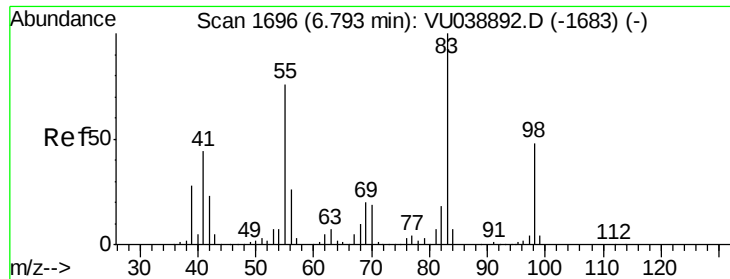
Tot Ion: 97 Resp: 4439
 Ion Ratio Lower Upper
 97 100
 99 59.9 51.4 77.2
 61 43.8 36.3 54.5



#34
 Trichloroethene
 Concen: 10.786 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: VU038904.D
 Acq: 15 Jun 2020 20:14

Tgt Ion: 95 Resp: 213988
 Ion Ratio Lower Upper
 95 100
 97 65.1 46.1 85.5
 132 94.5 68.2 126.6
 130 101.6 71.0 131.9

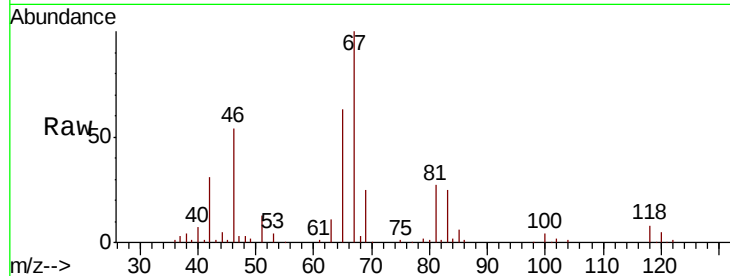




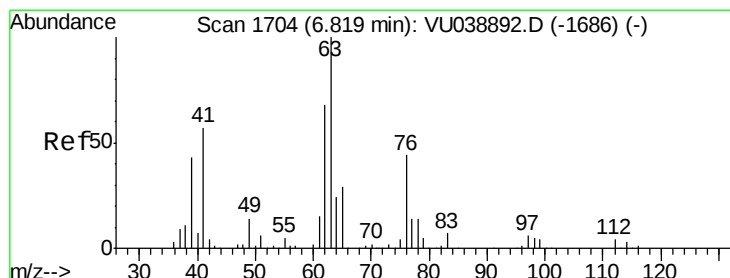
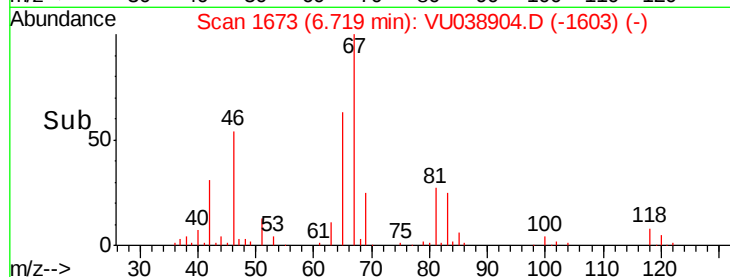
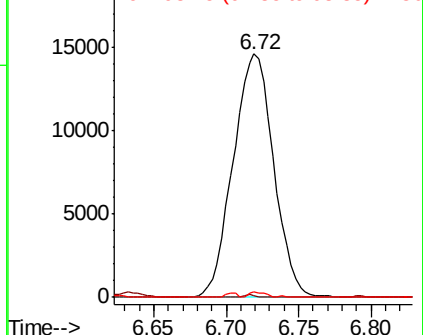
#35
Methvlcvclohexane
Concen: 0.961 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038904.D
Acq: 15 Jun 2020 20:14

Instrument :
MSVOA_U
ClientSampleId :
BF8Q3DL

Tot Ion: 83 Resp: 28414
Ion Ratio Lower Upper
83 100
55 0.3 63.6 95.4#
98 0.8 38.9 58.3#

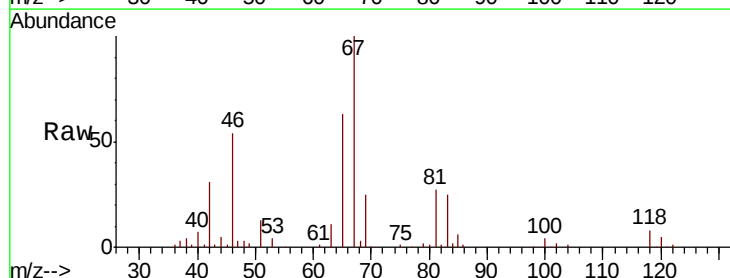


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

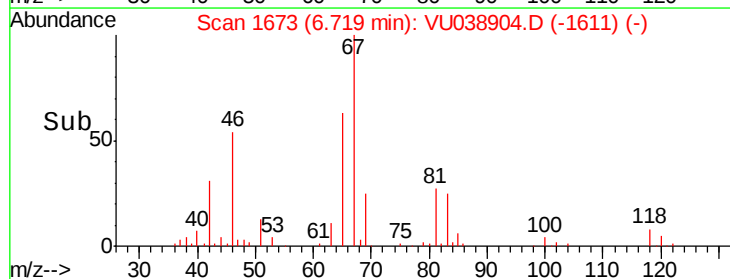
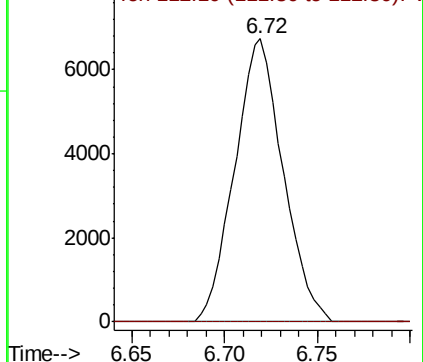


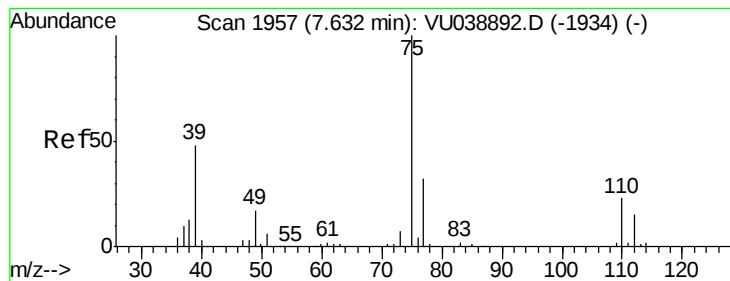
#37
1,2-Dichloropropane
Concen: 0.624 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038904.D
Acq: 15 Jun 2020 20:14

Tgt Ion: 63 Resp: 12241
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



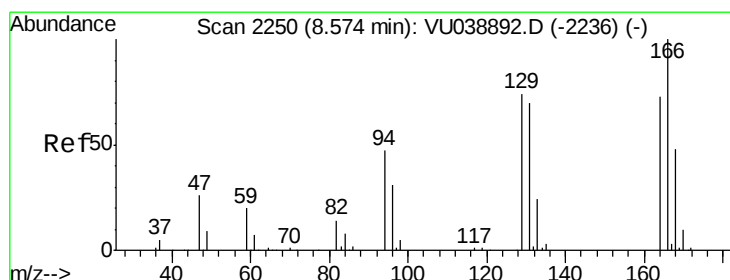
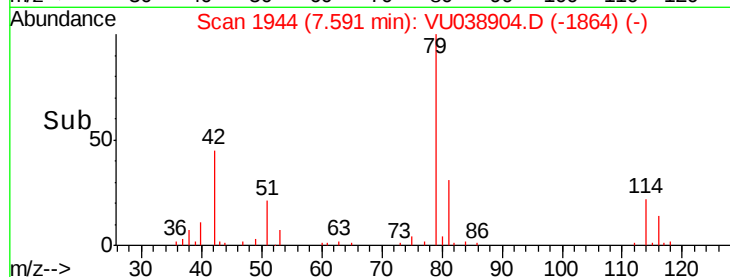
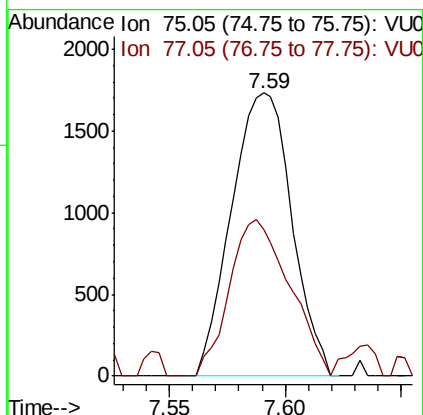
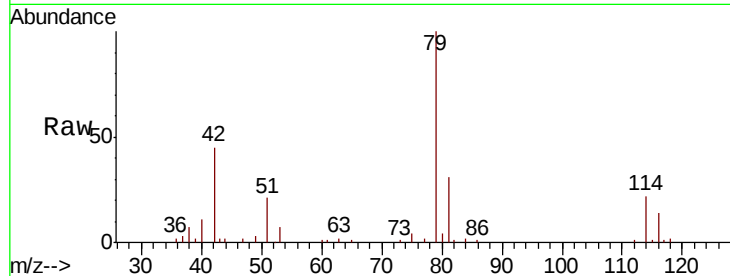


#39

cis-1,3-Dichloropropene
Concen: 0.112 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU038904.D
Acq: 15 Jun 2020 20:14

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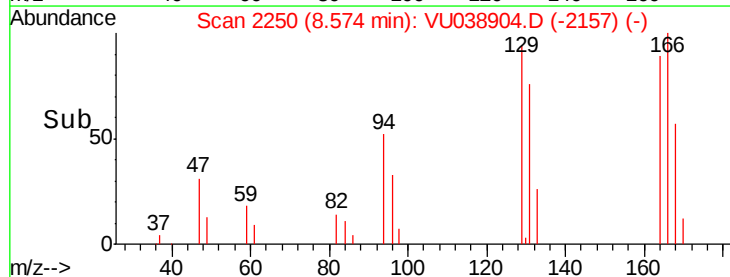
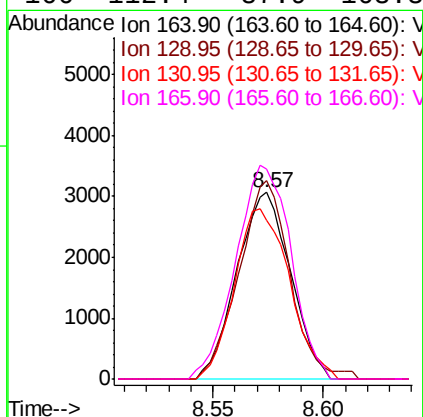
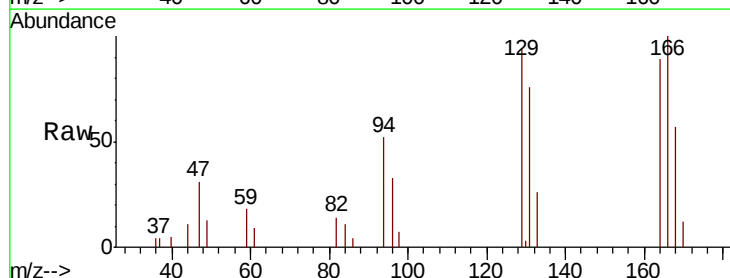
Tot Ion: 75 Resp: 3136
Ion Ratio Lower Upper
75 100
77 51.7 23.0 42.6#

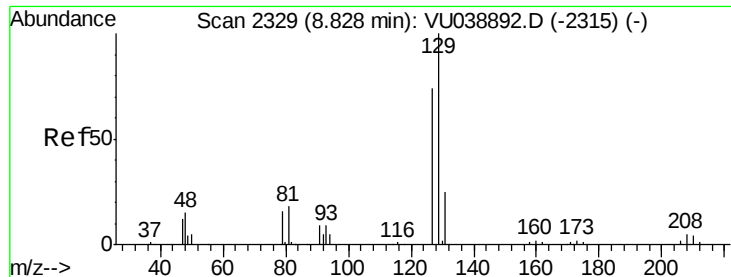


#47

Tetrachloroethene
Concen: 0.340 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038904.D
Acq: 15 Jun 2020 20:14

Tgt Ion:164 Resp: 5176
Ion Ratio Lower Upper
164 100
129 106.0 65.5 121.7
131 85.2 63.9 118.7
166 112.4 87.9 163.3





#49

Dibromochloromethane

Concen: 0.301 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.25 min

Lab File: VU038904.D

Acq: 15 Jun 2020 20:14

Instrument :

MSVOA_U

ClientSampleId :

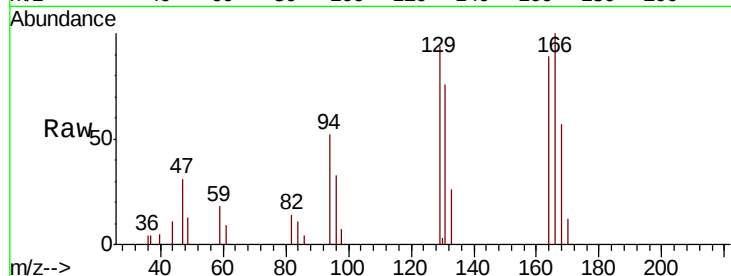
BF8Q3DL

Tot Ion:129 Resp: 5230

Ion Ratio Lower Upper

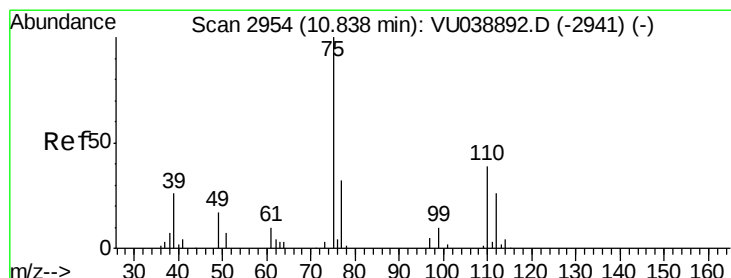
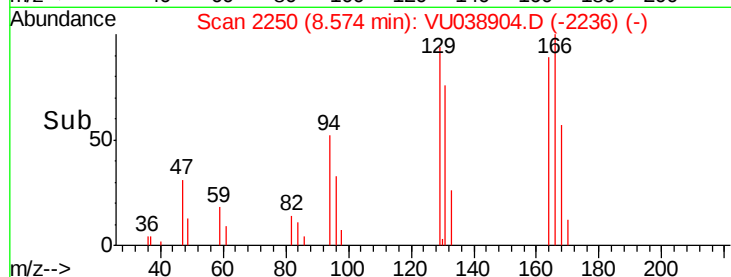
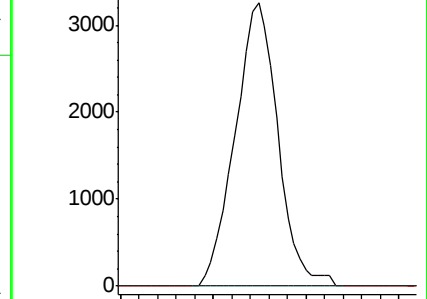
129 100

127 0.0 56.7 105.3#



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: 0.976 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038904.D

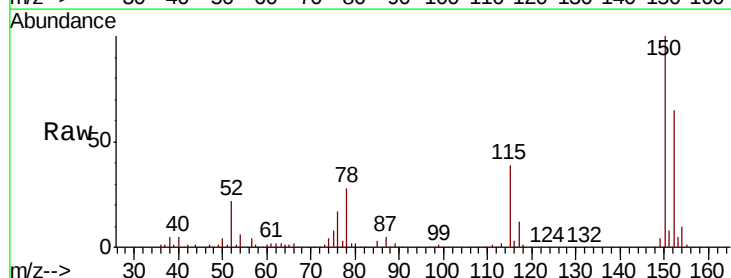
Acq: 15 Jun 2020 20:14

Tgt Ion: 75 Resp: 14751

Ion Ratio Lower Upper

75 100

77 38.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

