

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
 Data File : VU038461.D
 Acq On : 01 Jun 2020 11:04
 Operator : JC/MD
 Sample : L2788-12DL 2X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 02 05:27:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 05:25:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	321436	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	318193	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	150850	5.00	ug/L	0.00

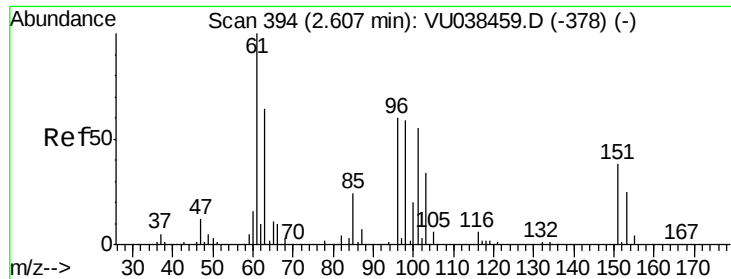
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	85622	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.93	69	78411	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.59	63	135347	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	4.69	46	417366	66.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.08%#
24) Chloroform-d	5.10	84	203262	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.74	65	123995	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
32) Benzene-d6	5.76	84	400865	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.72	67	124935	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.93	98	326206	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.20	79	51352	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.66	63	350806	67.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.24%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	117578	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	137583	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3269	0.168	ug/L #	77
16) Methylene chloride	3.08	84	2708	0.121	ug/L	93
22) cis-1,2-Dichloroethene	4.71	96	3258	0.142	ug/L	80
25) Chloroform	5.13	83	23959	0.618	ug/L	99
34) Trichloroethene	6.57	95	11537	0.501	ug/L	99
35) Methylcyclohexane	6.72	83	30348	0.851	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	13756	0.616	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3723	0.113	ug/L #	76
45) 1,1,2-Trichloroethane	8.57	97	1869	0.111	ug/L #	13
47) Tetrachloroethene	8.57	164	185126	11.064	ug/L	98
48) 2-Hexanone	8.71	43	15387	1.272	ug/L	93
49) Dibromochloromethane	8.57	129	174431	9.594	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	19514	1.171	ug/L	90

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



#10

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

Concen: 0.168 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU038461.D

Acq: 01 Jun 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

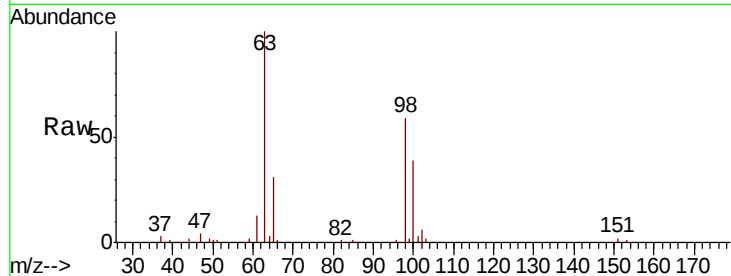
Tot Ion:101 Resp: 3269

Ion Ratio Lower Upper

101 100

85 32.2 34.0 51.0#

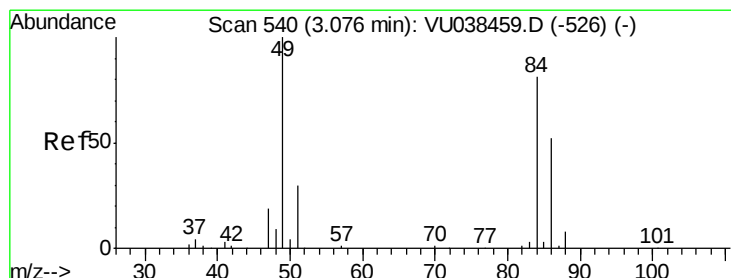
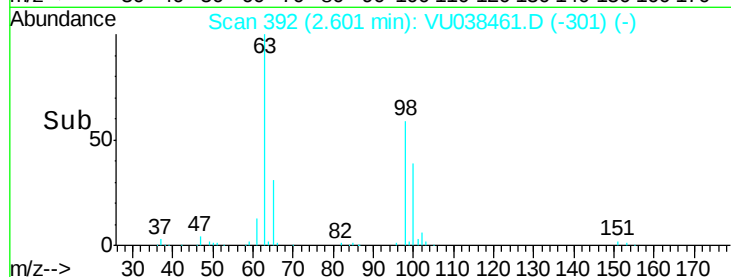
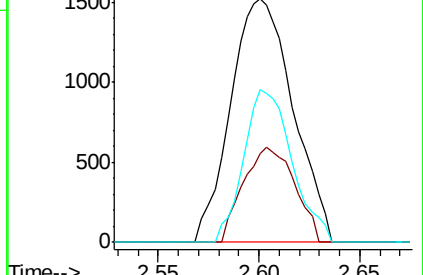
151 48.9 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#16

Methylene chloride

Concen: 0.121 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU038461.D

Acq: 01 Jun 2020 11:04

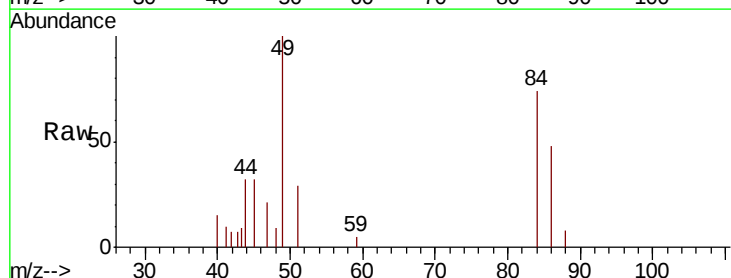
Tgt Ion: 84 Resp: 2708

Ion Ratio Lower Upper

84 100

86 65.1 45.0 83.6

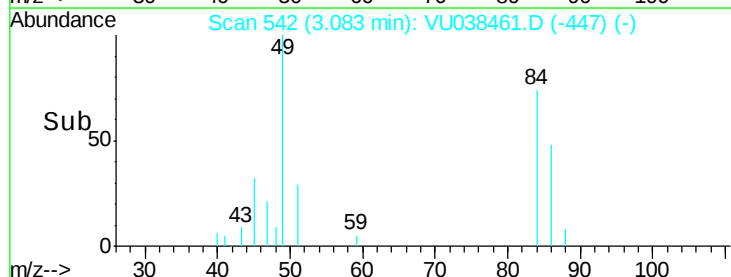
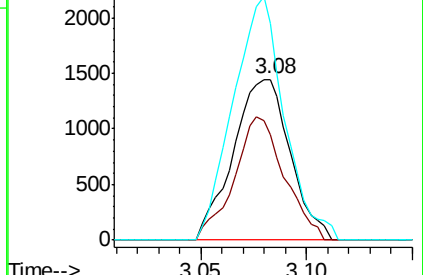
49 134.4 85.5 158.9

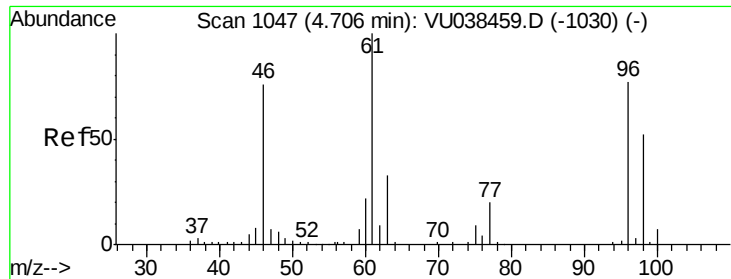


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

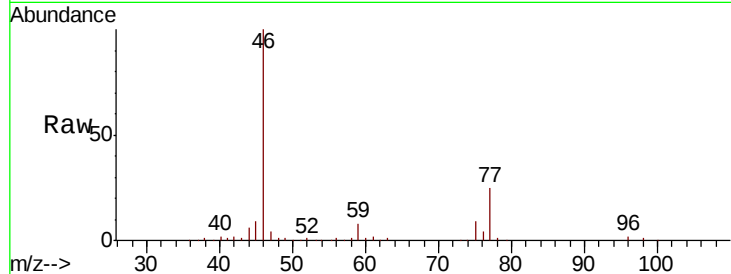




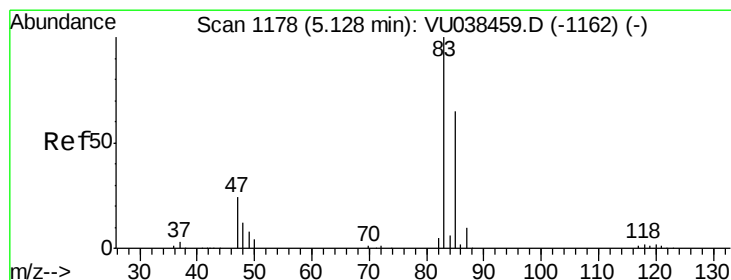
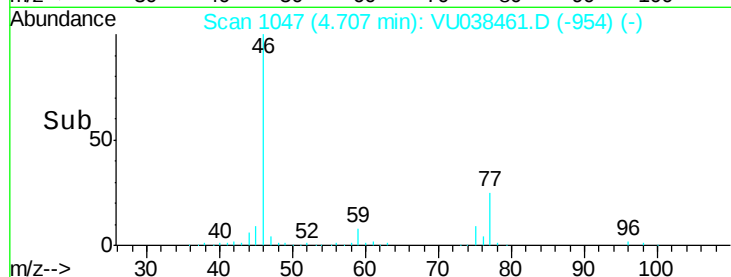
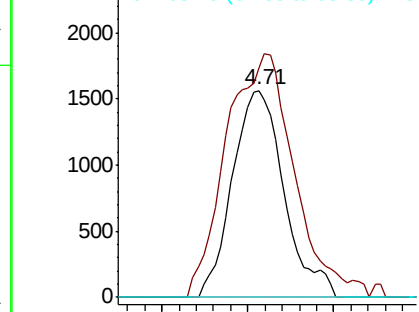
#22
 cis-1,2-Dichloroethene
 Concen: 0.142 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038461.D
 Acq: 01 Jun 2020 11:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 3258
 Ion Ratio Lower Upper
 96 100
 61 111.1 94.0 174.6
 68 0.0 0.0 0.0

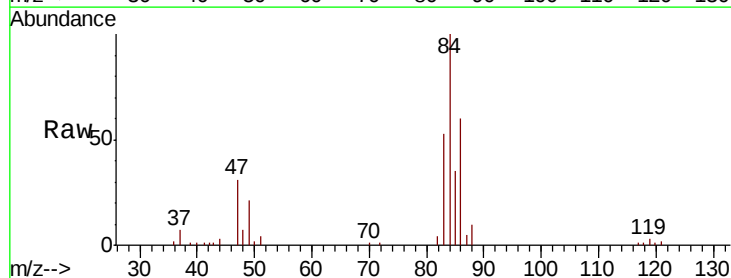


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

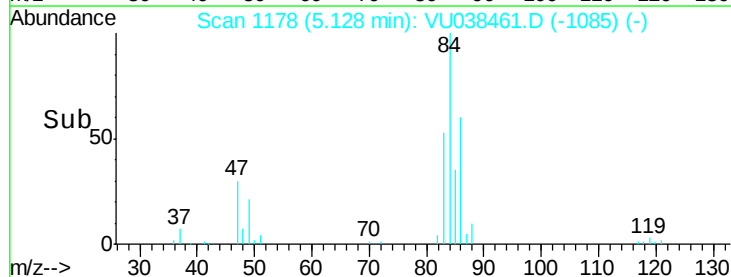
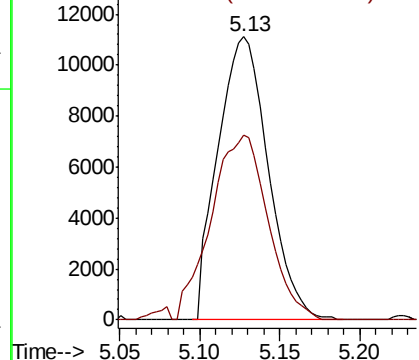


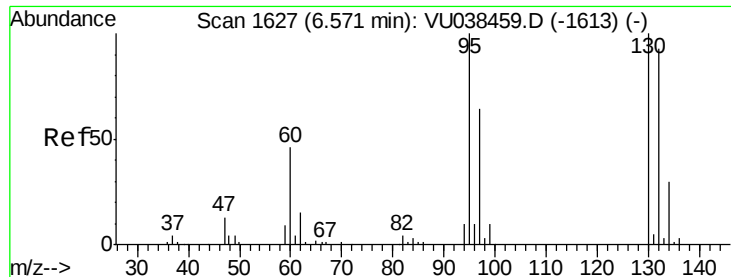
#25
 Chloroform
 Concen: 0.618 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VU038461.D
 Acq: 01 Jun 2020 11:04

Tgt Ion: 83 Resp: 23959
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

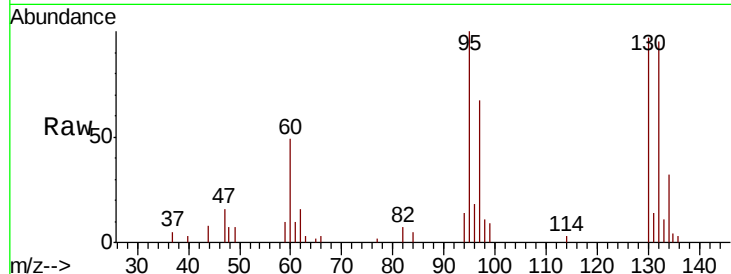




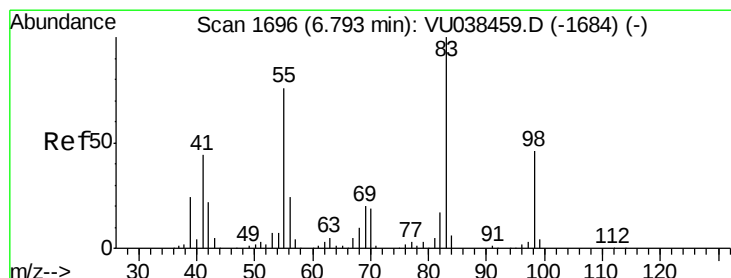
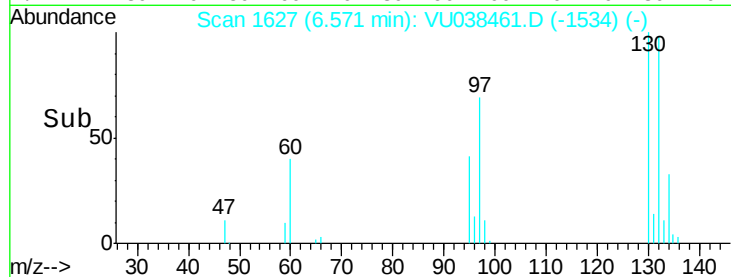
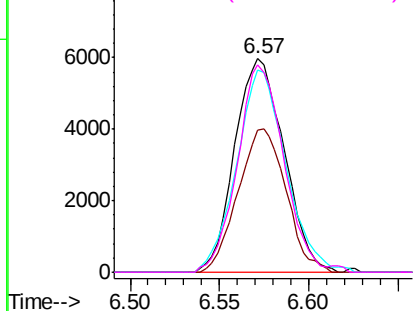
#34
 Trichloroethene
 Concen: 0.501 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038461.D
 Acq: 01 Jun 2020 11:04

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 11537
 Ion Ratio Lower Upper
 95 100
 97 66.6 46.8 87.0
 132 94.9 66.1 122.7
 130 97.1 70.0 130.0

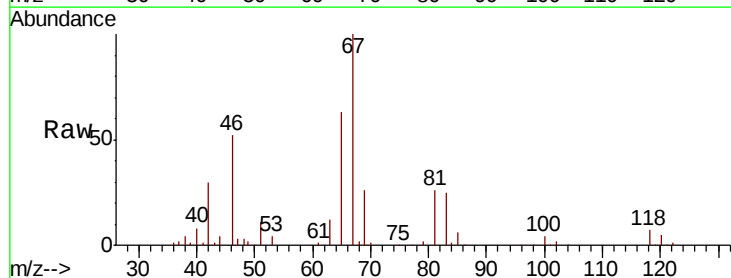


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

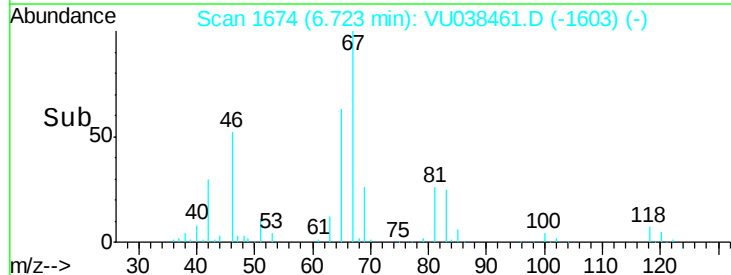
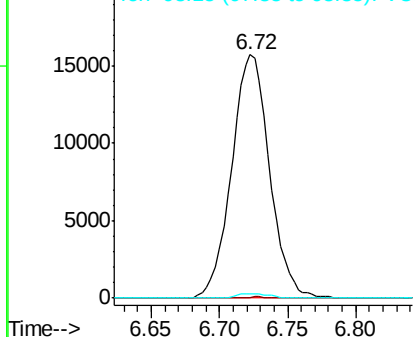


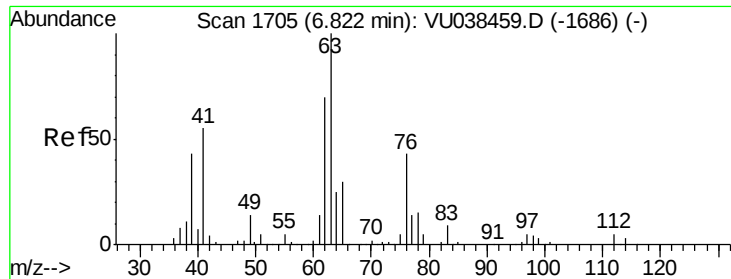
#35
 Methylcyclohexane
 Concen: 0.851 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038461.D
 Acq: 01 Jun 2020 11:04

Tgt Ion: 83 Resp: 30348
 Ion Ratio Lower Upper
 83 100
 55 0.1 63.4 95.2#
 98 1.6 39.0 58.4#



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

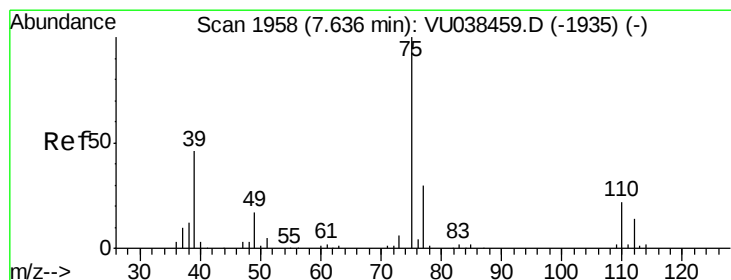
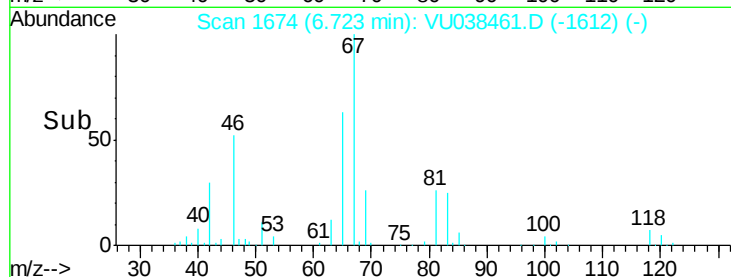
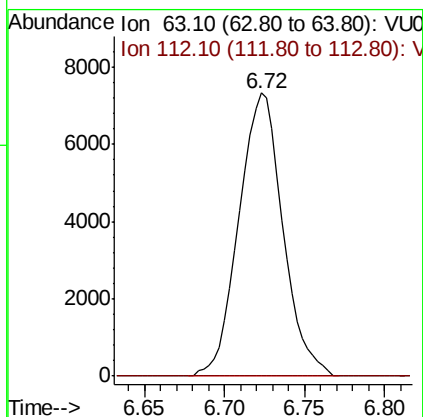
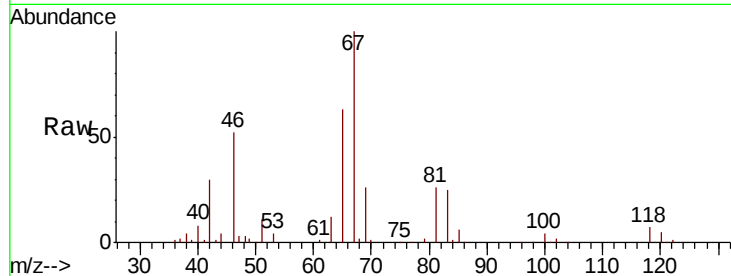




#37
 1,2-Dichloropropane
 Concen: 0.616 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038461.D
 Acq: 01 Jun 2020 11:04

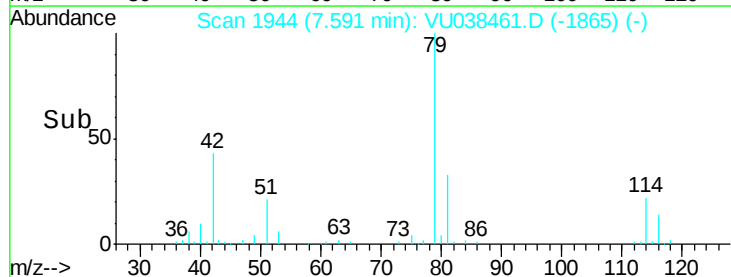
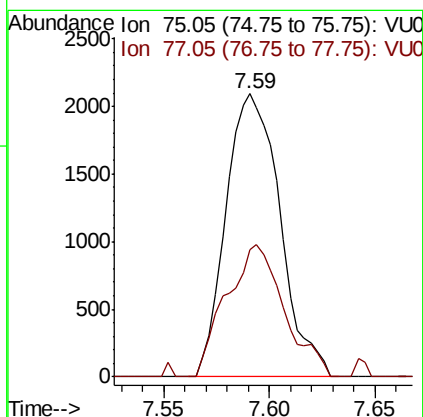
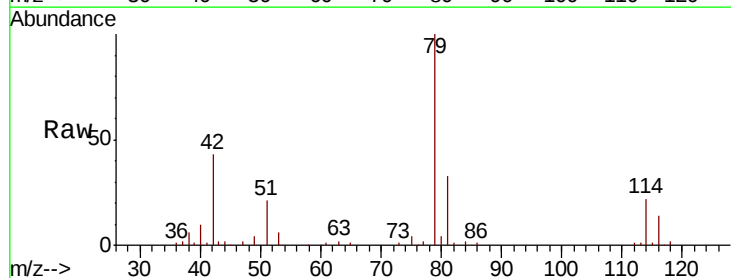
Instrument :
 MSVOA_U
 ClientSampleId :

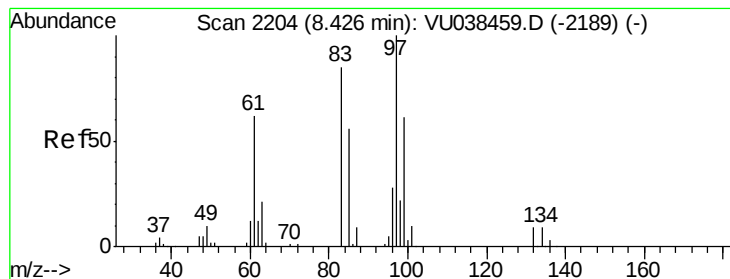
Tot Ion: 63 Resp: 13756
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038461.D
 Acq: 01 Jun 2020 11:04

Tgt Ion: 75 Resp: 3723
 Ion Ratio Lower Upper
 75 100
 77 44.8 21.9 40.7#





#45

1,1,2-Trichloroethane

Concen: 0.111 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.15 min

Lab File: VU038461.D

Acq: 01 Jun 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 1869

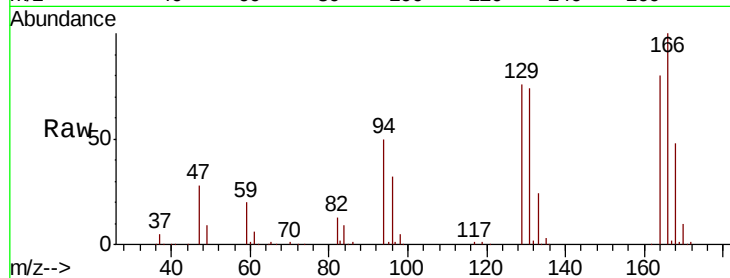
Ion Ratio Lower Upper

97 100

99 13.4 42.1 78.1#

83 216.8 58.8 109.2#

85 38.4 37.4 69.4

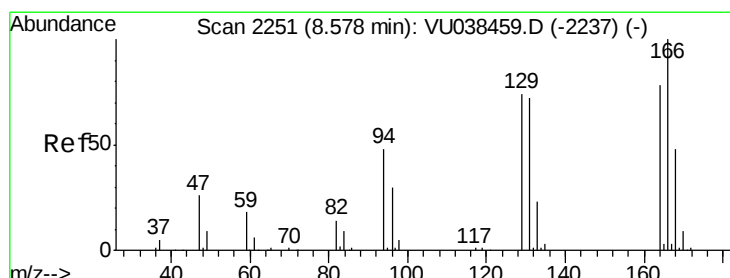
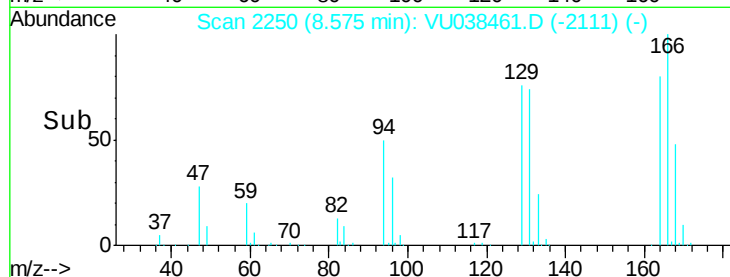
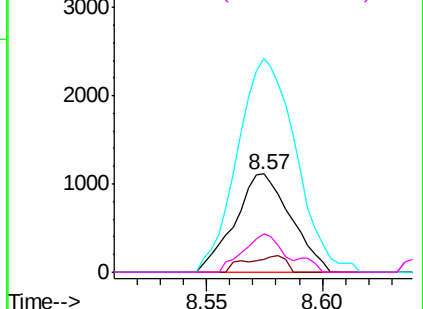


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 11.064 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038461.D

Acq: 01 Jun 2020 11:04

Tgt Ion: 164 Resp: 185126

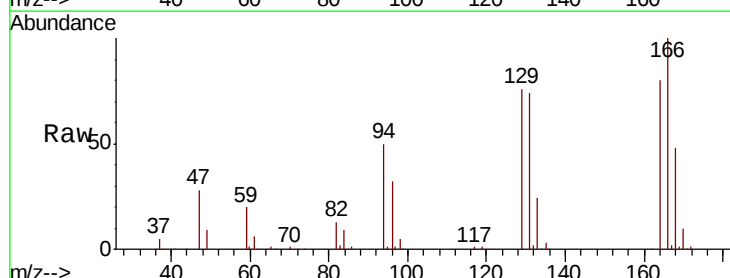
Ion Ratio Lower Upper

164 100

129 95.4 67.4 125.2

131 92.5 64.1 119.1

166 125.5 85.7 159.1

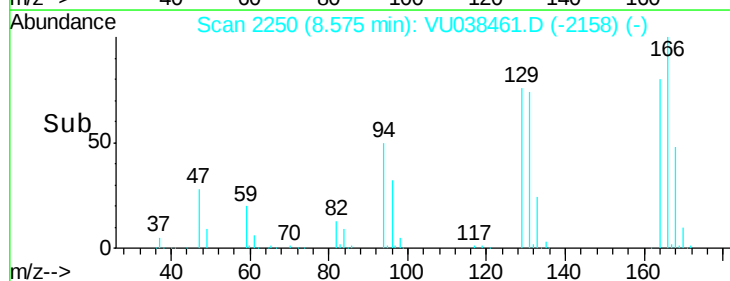
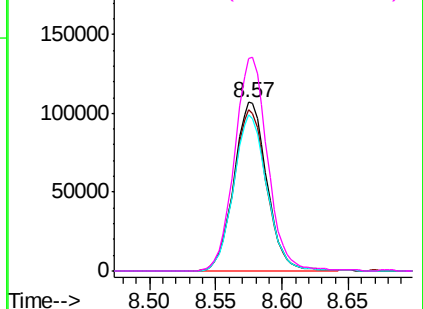


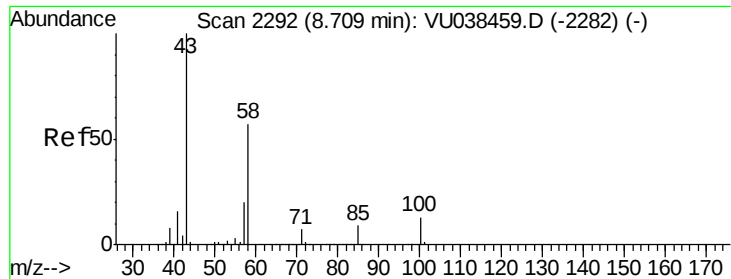
Abundance Ion 163.90 (163.60 to 164.60): V

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

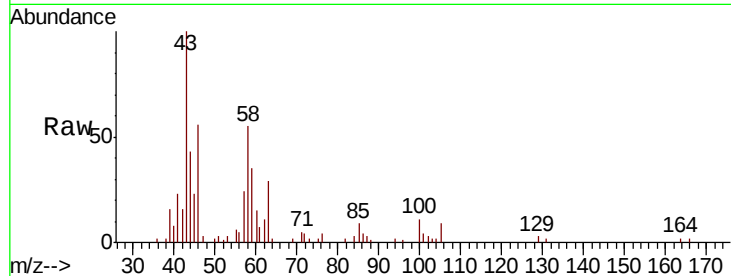




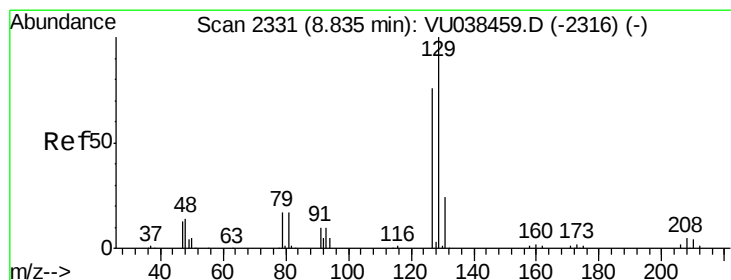
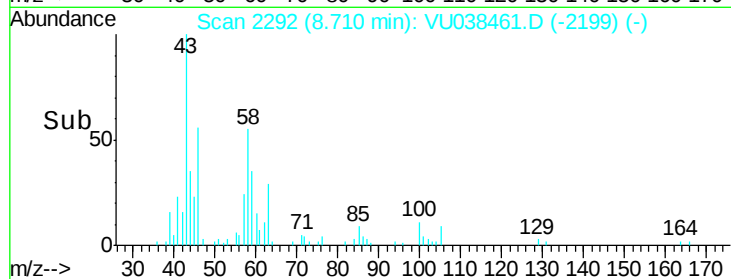
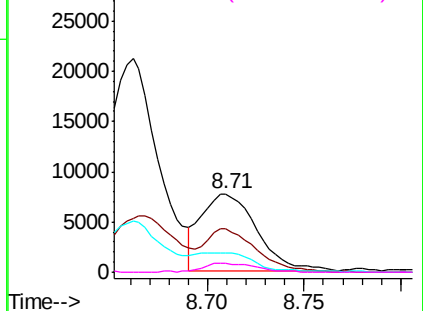
#48
2-Hexanone
Concen: 1.272 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038461.D
Acq: 01 Jun 2020 11:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 15387
Ion Ratio Lower Upper
43 100
58 51.4 45.4 68.0
57 23.8 15.9 23.9
100 11.3 10.5 15.7

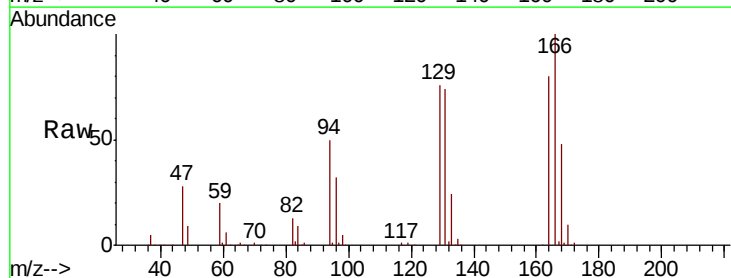


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

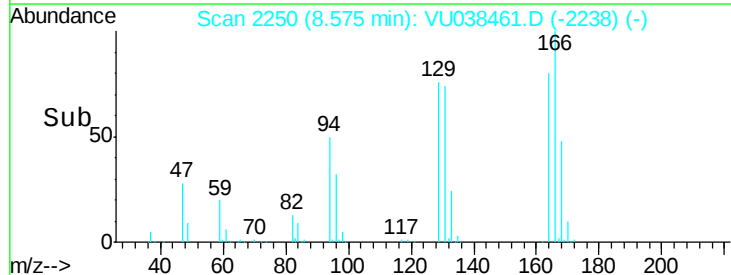
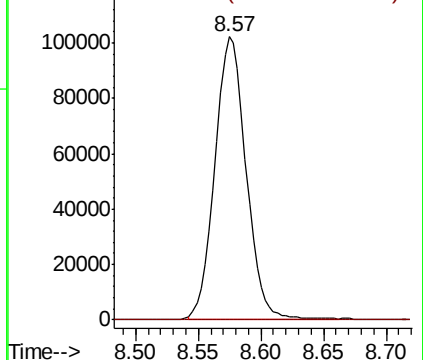


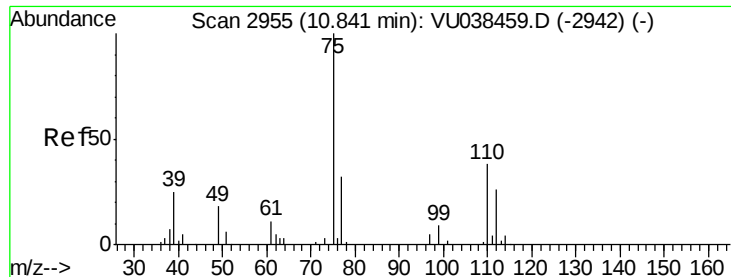
#49
Dibromochloromethane
Concen: 9.594 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038461.D
Acq: 01 Jun 2020 11:04

Tgt Ion: 129 Resp: 174431
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#



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: 1.171 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038461.D

Acq: 01 Jun 2020 11:04

Instrument :

MSVOA_U

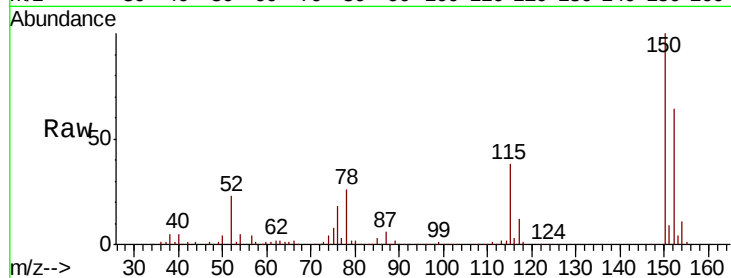
ClientSampleId :

Tot Ion: 75 Resp: 19514

Ion Ratio Lower Upper

75 100

77 37.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

