

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041620\
 Data File : VU037762.D
 Acq On : 16 Apr 2020 18:21
 Operator : JC/MD
 Sample : L2292-11
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 17 01:37:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 01:29:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	269545	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	257325	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125542	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91686	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.93	69	81788	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.59	63	122373	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.66	46	288997	51.59	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	5.10	84	155835	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	95300	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.76	84	340533	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.72	67	111989	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.92	98	301359	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	8.20	79	47422	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.65	63	260773	50.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	87351	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	112176	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

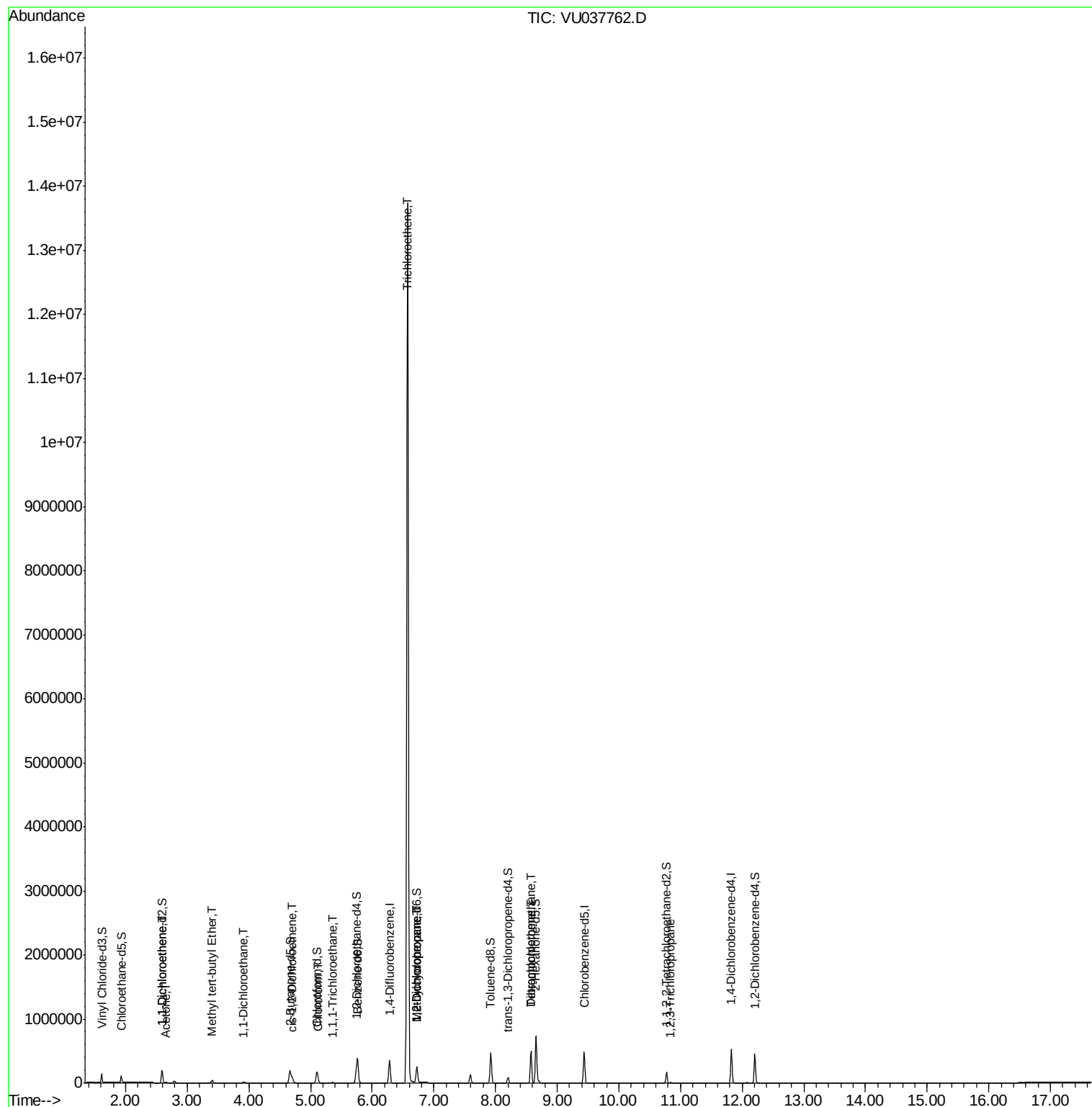
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	3461	0.186	ug/L #	1
13) Acetone	2.66	43	13744	3.721	ug/L	95
17) Methyl tert-butyl Ether	3.40	73	44612	0.828	ug/L	95
19) 1,1-Dichloroethane	3.91	63	18745	0.481	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	28503	1.308	ug/L	95
25) Chloroform	5.13	83	17635	0.476	ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	7396	0.237	ug/L	94
34) Trichloroethene	6.57	95	4563250	218.396	ug/L	97
35) Methylcyclohexane	6.72	83	25266	0.690	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	11824	0.524	ug/L #	87
47) Tetrachloroethene	8.57	164	107087	7.132	ug/L	99
49) Dibromochloromethane	8.57	129	100862	5.808	ug/L #	11
59) 1,2,3-Trichloropropane	10.84	75	3389	0.230	ug/L	91

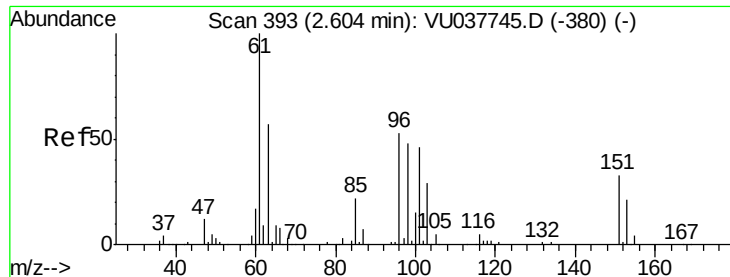
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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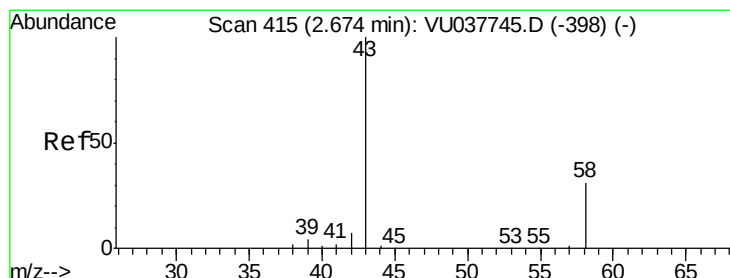
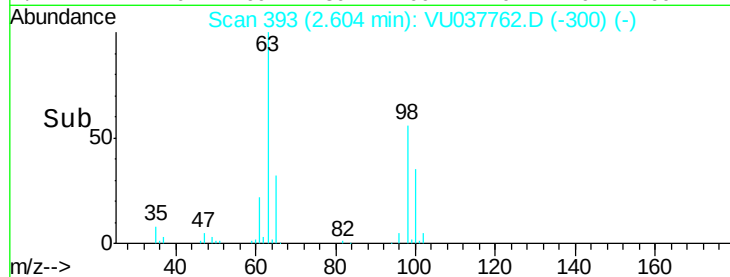
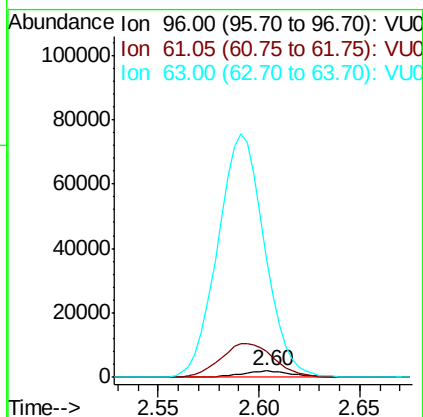
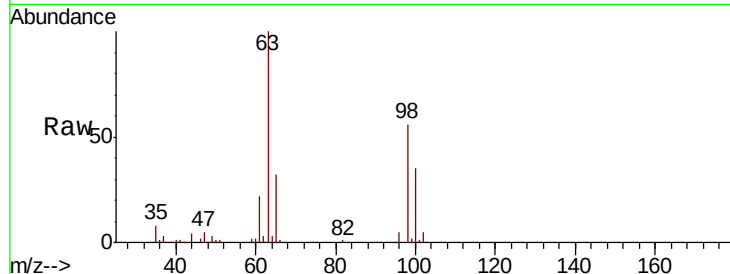




#12
 1,1-Dichloroethene
 Concen: 0.186 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: VU037762.D
 Acq: 16 Apr 2020 18:21

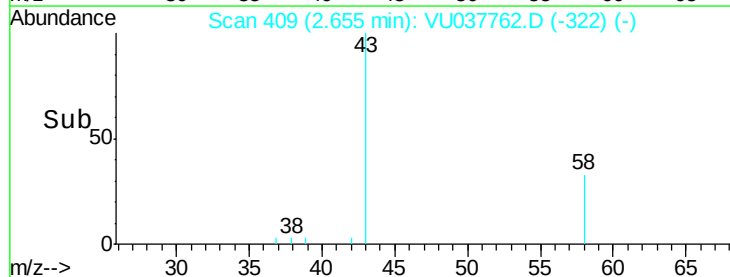
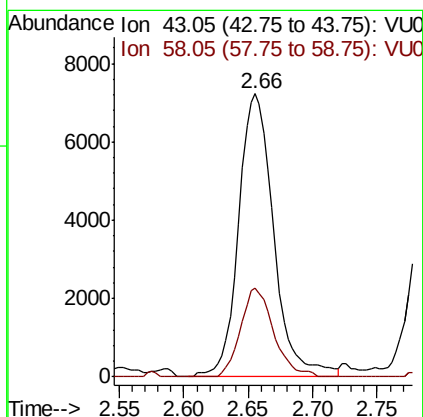
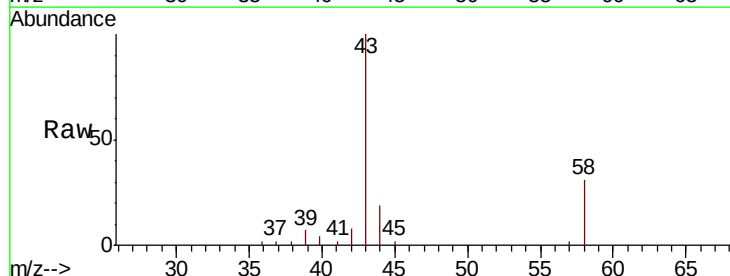
Instrument :
 MSVOA_U
 ClientSampleId :

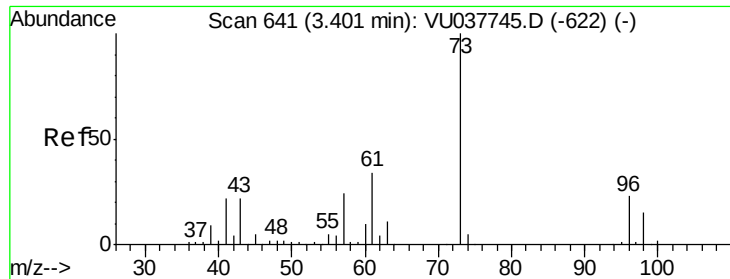
Tot Ion: 96 Resp: 3461
 Ion Ratio Lower Upper
 96 100
 61 412.5 127.7 237.3#
 63 1910.3 85.0 157.8#



#13
 Acetone
 Concen: 3.721 ug/L
 RT: 2.66 min Scan# 409
 Delta R.T. -0.02 min
 Lab File: VU037762.D
 Acq: 16 Apr 2020 18:21

Tgt Ion: 43 Resp: 13744
 Ion Ratio Lower Upper
 43 100
 58 29.5 0.0 64.8

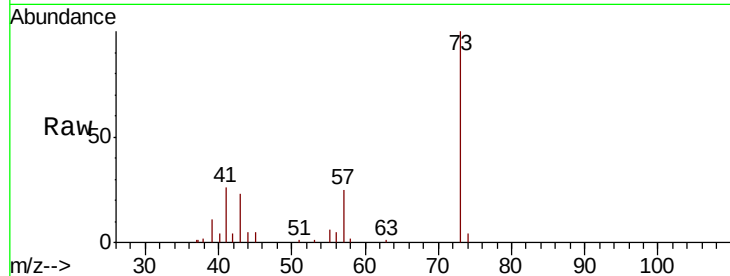




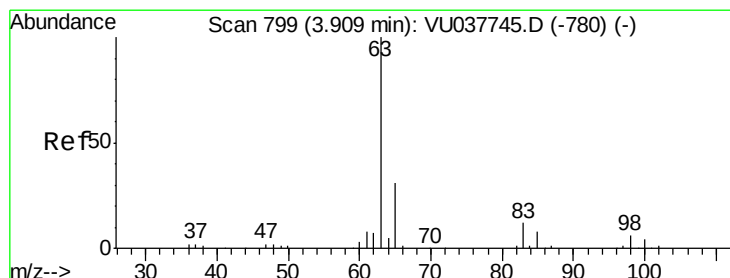
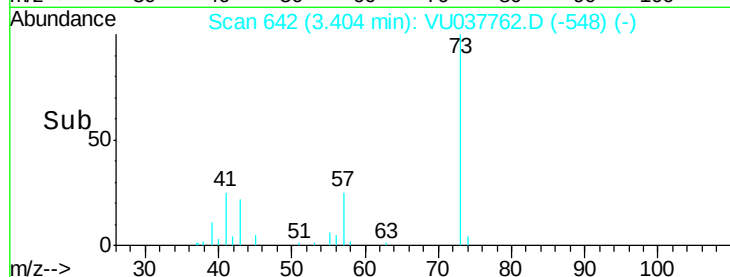
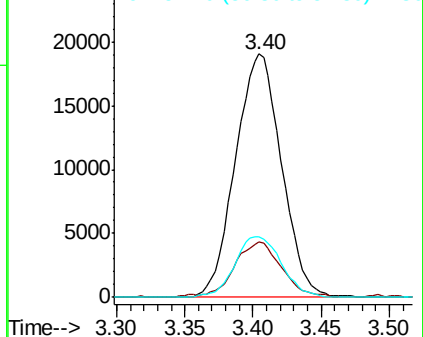
#17
Methyl tert-butyl Ether
Concen: 0.828 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037762.D
Acq: 16 Apr 2020 18:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 44612
Ion Ratio Lower Upper
73 100
43 23.1 16.4 24.6
57 25.2 18.4 27.6

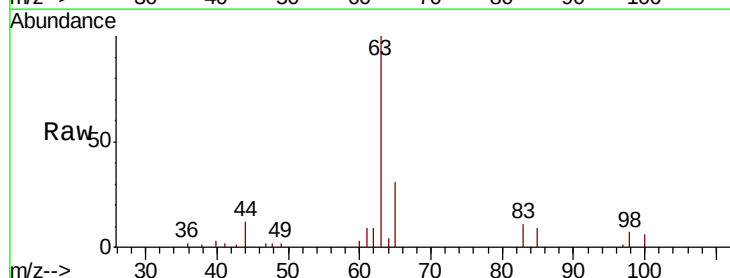


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

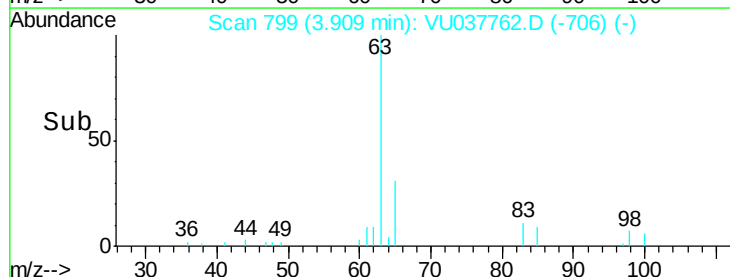
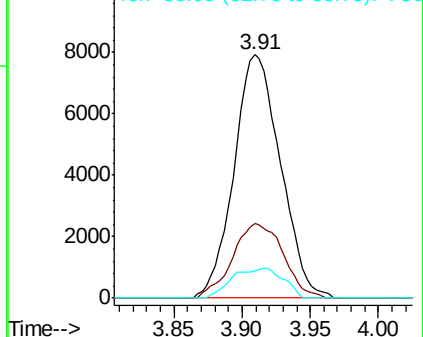


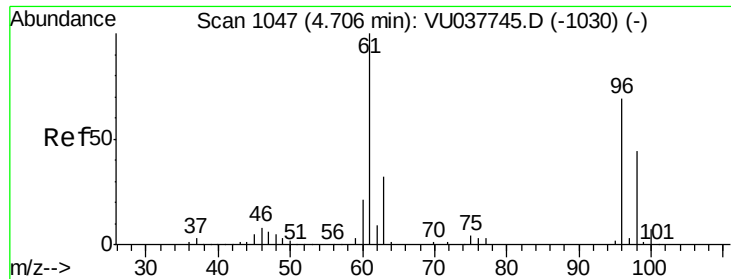
#19
1,1-Dichloroethane
Concen: 0.481 ug/L
RT: 3.91 min Scan# 799
Delta R.T. 0.00 min
Lab File: VU037762.D
Acq: 16 Apr 2020 18:21

Tgt Ion: 63 Resp: 18745
Ion Ratio Lower Upper
63 100
65 30.7 21.6 40.2
83 11.2 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0

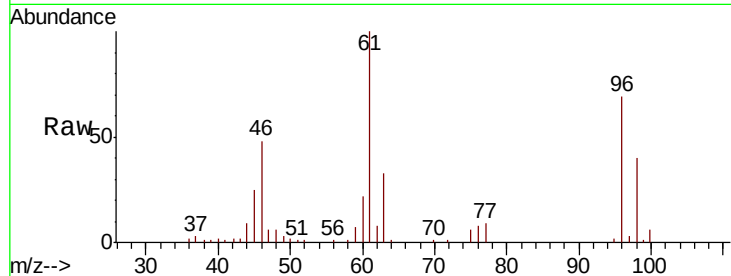




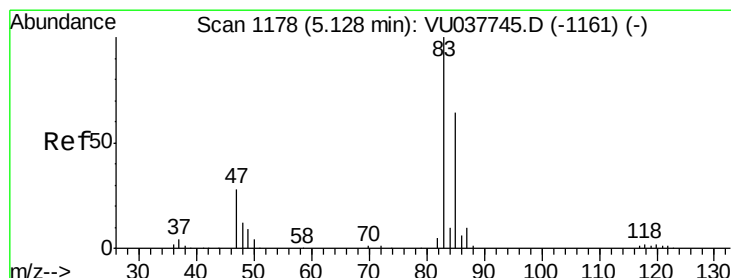
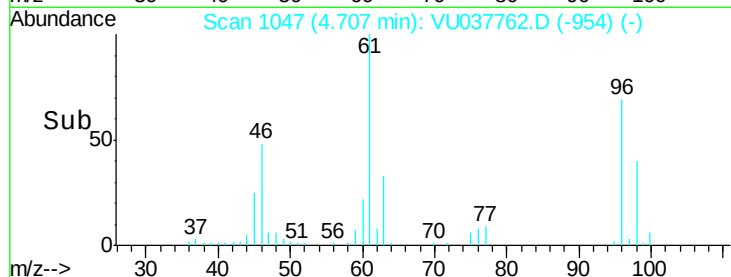
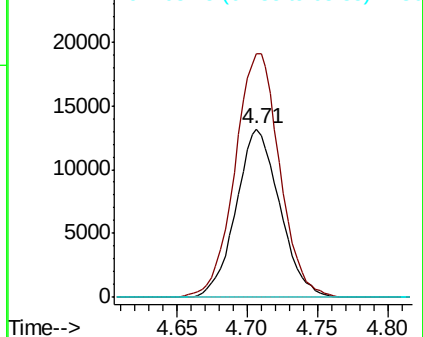
#22
 cis-1,2-Dichloroethene
 Concen: 1.308 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037762.D
 Acq: 16 Apr 2020 18:21

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 28503
 Ion Ratio Lower Upper
 96 100
 61 144.6 97.0 180.2
 68 0.0 0.0 0.0

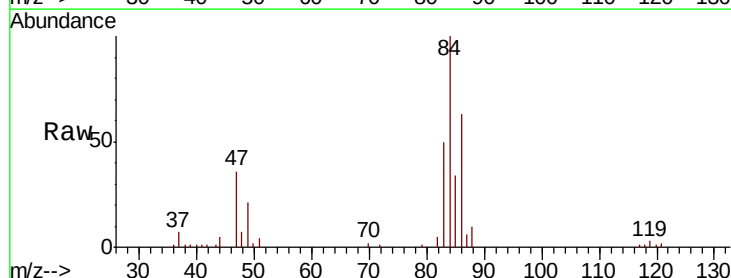


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

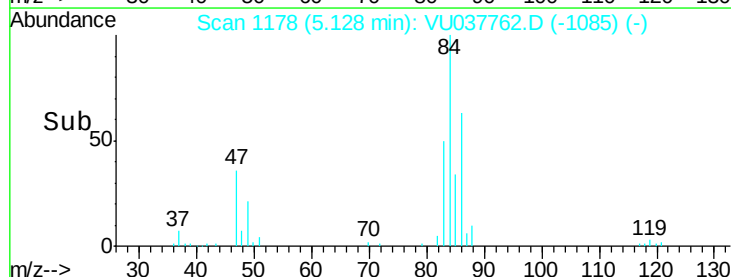
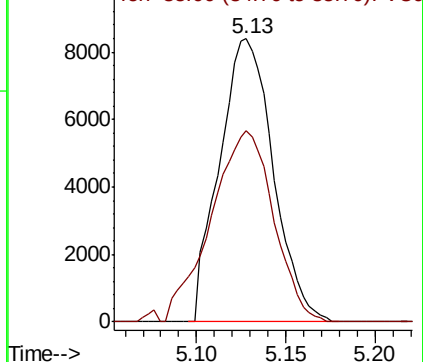


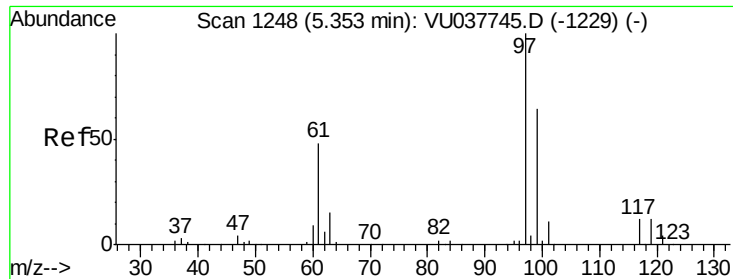
#25
 Chloroform
 Concen: 0.476 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VU037762.D
 Acq: 16 Apr 2020 18:21

Tgt Ion: 83 Resp: 17635
 Ion Ratio Lower Upper
 83 100
 85 67.5 44.9 83.3



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

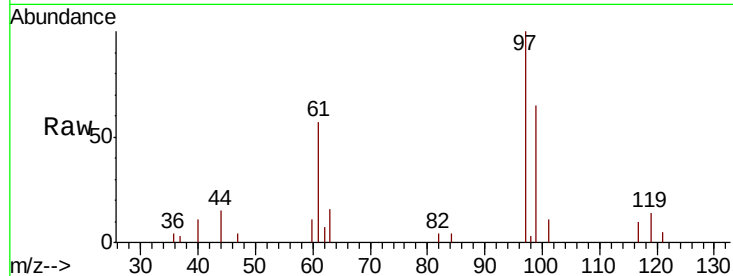




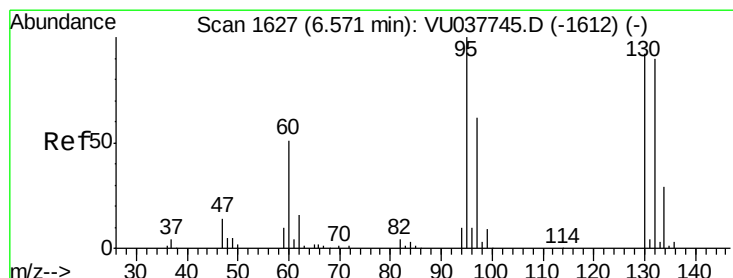
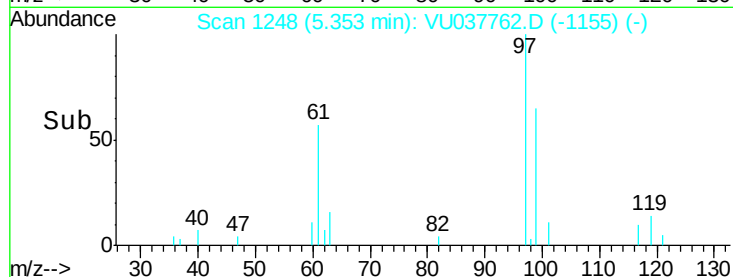
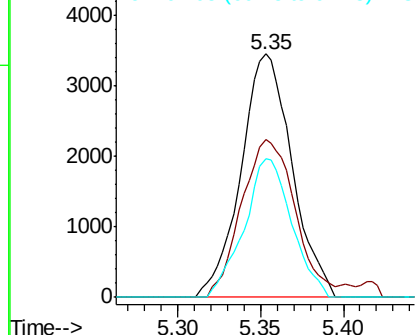
#29
1,1,1-Trichloroethane
Concen: 0.237 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037762.D
Acq: 16 Apr 2020 18:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 7396
Ion Ratio Lower Upper
97 100
99 68.2 52.0 78.0
61 53.0 37.8 56.8

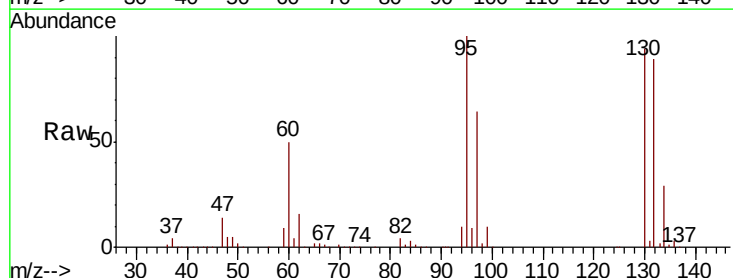


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

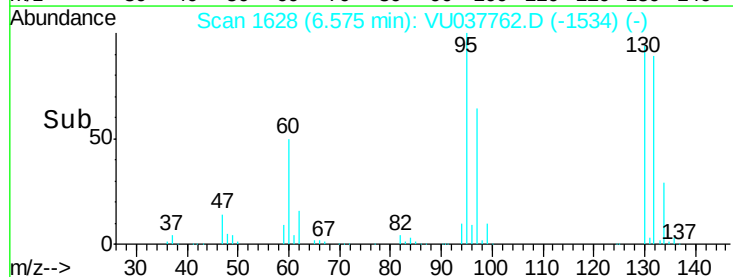
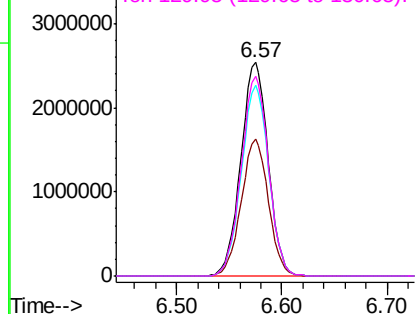


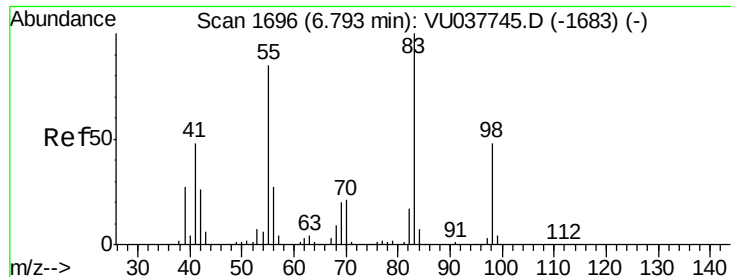
#34
Trichloroethene
Concen: 218.396 ug/L
RT: 6.57 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VU037762.D
Acq: 16 Apr 2020 18:21

Tgt Ion: 95 Resp: 4563250
Ion Ratio Lower Upper
95 100
97 63.9 45.4 84.2
132 89.1 63.7 118.3
130 93.5 68.7 127.5



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

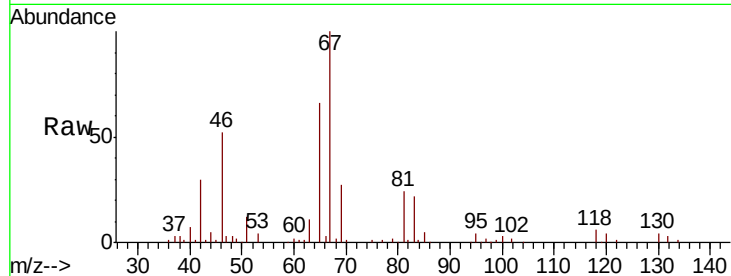




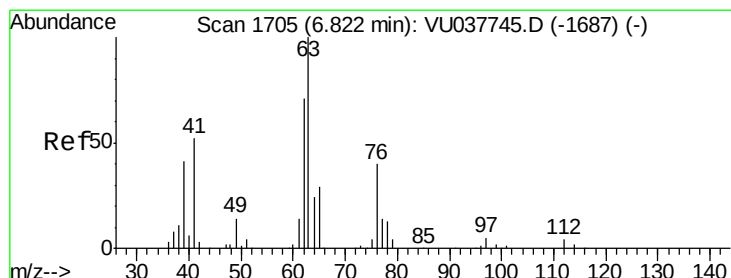
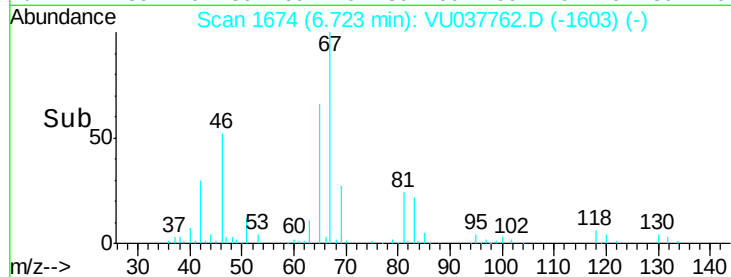
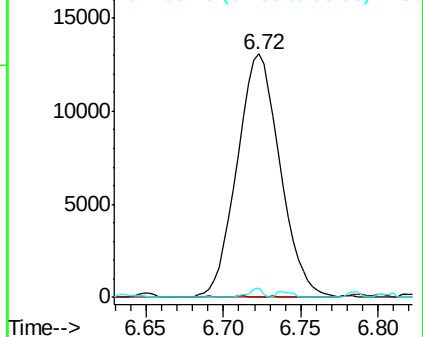
#35
Methvlcvclohexane
Concen: 0.690 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037762.D
Acq: 16 Apr 2020 18:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 25266
Ion Ratio Lower Upper
83 100
55 0.1 65.5 98.3#
98 0.0 38.2 57.4#

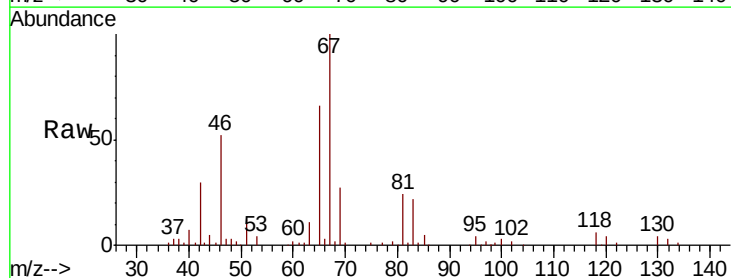


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

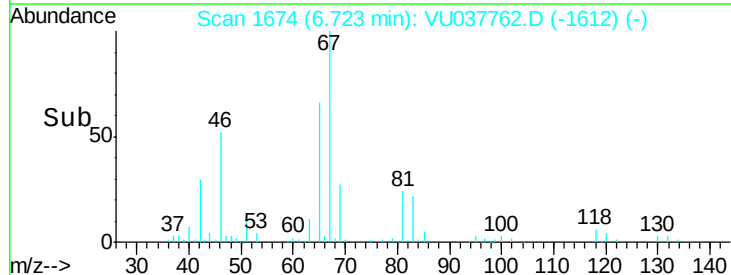
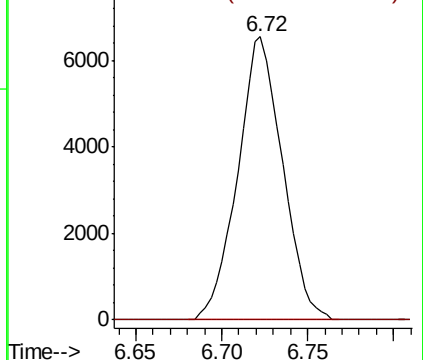


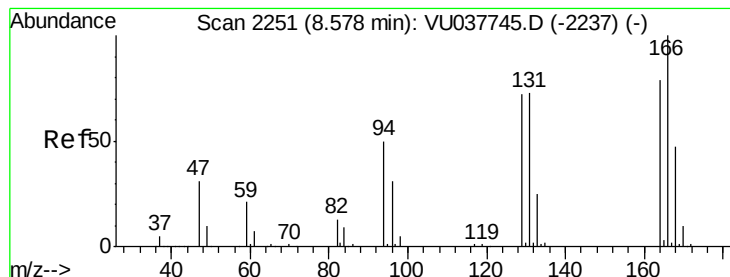
#37
1,2-Dichloropropane
Concen: 0.524 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037762.D
Acq: 16 Apr 2020 18:21

Tgt Ion: 63 Resp: 11824
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



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





#47

Tetrachloroethene

Concen: 7.132 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 107087

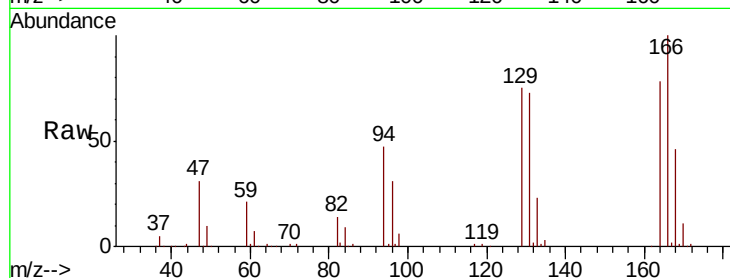
Ion Ratio Lower Upper

164 100

129 96.6 68.1 126.5

131 93.6 65.9 122.5

166 128.7 89.7 166.7

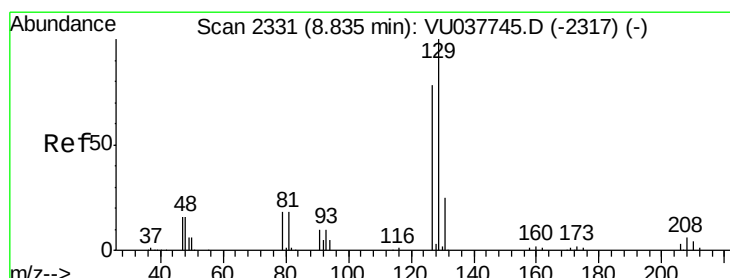
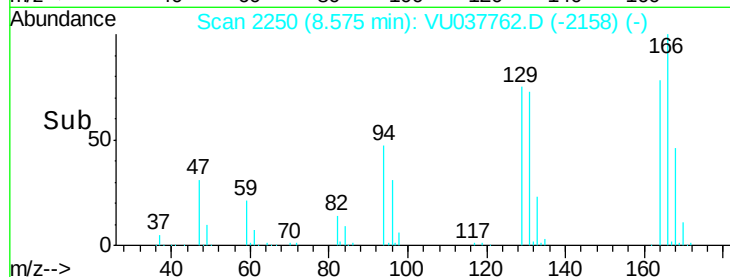
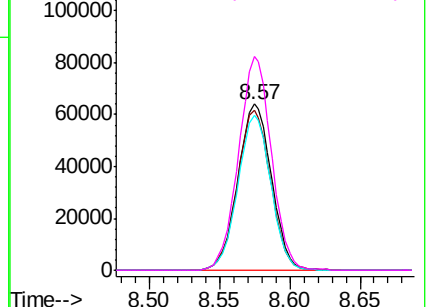


Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.808 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037762.D

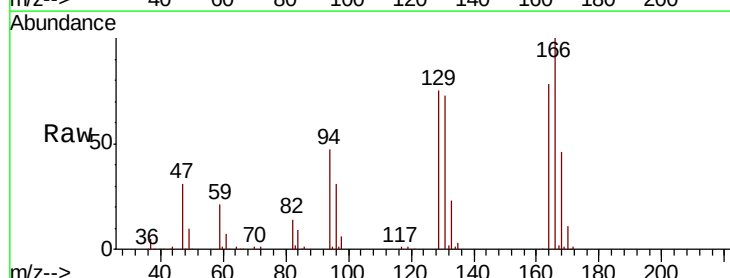
Acq: 16 Apr 2020 18:21

Tgt Ion:129 Resp: 100862

Ion Ratio Lower Upper

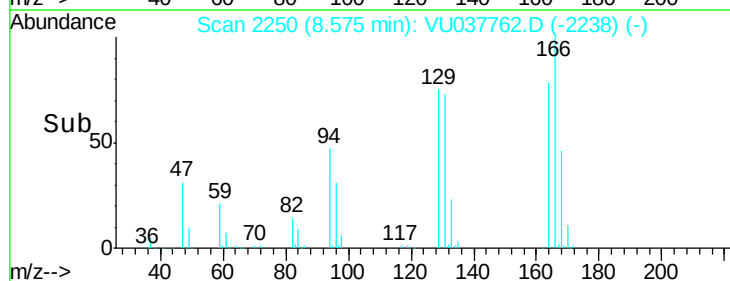
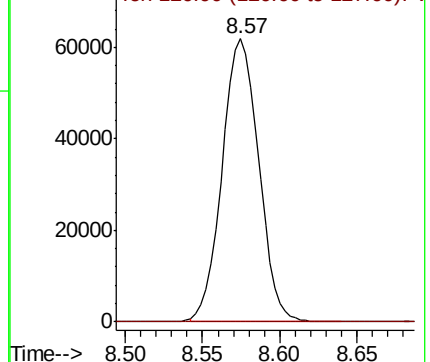
129 100

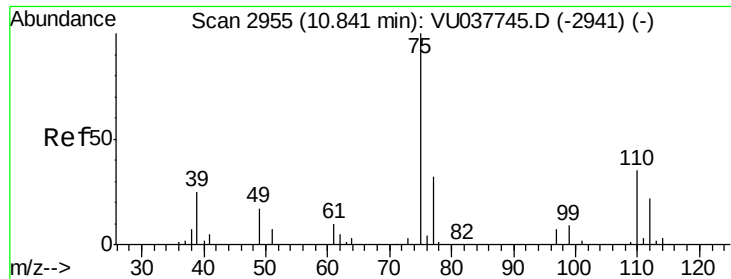
127 0.0 53.3 98.9#



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: 0.230 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 3389

Ion Ratio Lower Upper

75 100

77 26.7 25.4 38.2

