

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
 Data File : VU038946.D
 Acq On : 17 Jun 2020 16:07
 Operator : SY/MD
 Sample : L3040-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 18 04:09:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 04:07:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.34	114	272512	5.00	ug/L	0.06
28) Chlorobenzene-d5	9.45	117	274686	5.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.83	152	136300	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.66	65	83268	4.40	ug/L	0.05
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.99	69	72416	4.55	ug/L	0.06
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.65	63	178686	4.66	ug/L	0.05
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.20%
20) 2-Butanone-d5	4.84	46	253256	41.83	ug/L	0.16
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.66%
24) Chloroform-d	5.19	84	178187	4.74	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.82	65	106815	4.93	ug/L	0.08
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.84	84	338584	4.71	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.77	67	107566	4.84	ug/L	0.05
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.95	98	277286	4.31	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	8.23	79	44844	4.41	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.68	63	274116	51.16	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.32%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	99717	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	125461	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

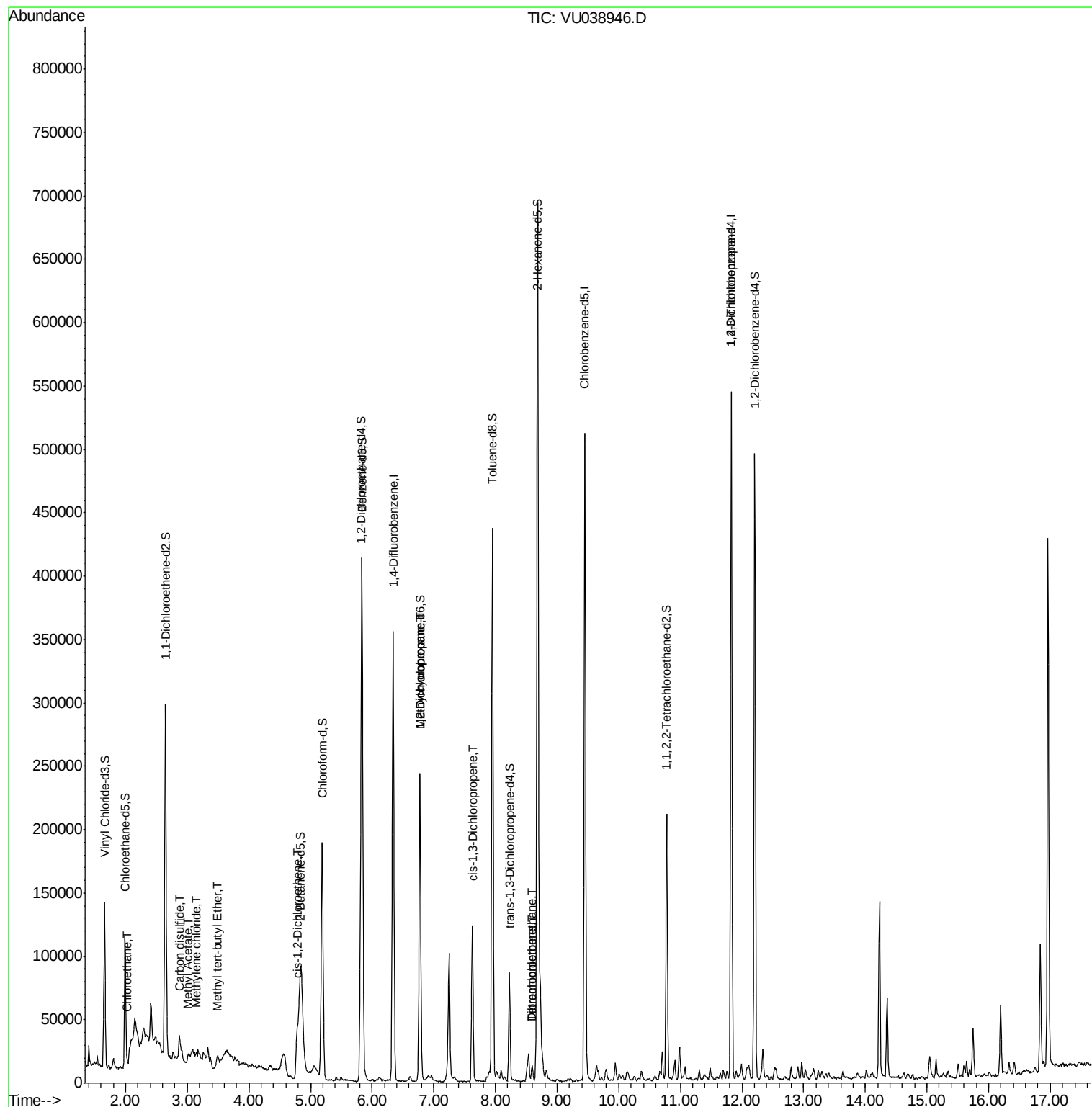
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	2.03	64	7258	0.447	ug/L #	57
14) Carbon disulfide	2.87	76	11505	0.178	ug/L #	87
15) Methyl Acetate	3.02	43	2450	0.243	ug/L #	52
16) Methylene chloride	3.15	84	1687	0.077	ug/L	94
17) Methyl tert-butyl Ether	3.49	73	8395	0.167	ug/L #	81
22) cis-1,2-Dichloroethene	4.78	96	15632	0.757	ug/L	93
35) Methylcyclohexane	6.77	83	26637	0.807	ug/L #	19
37) 1,2-Dichloropropane	6.77	63	12495	0.583	ug/L #	86
39) cis-1,3-Dichloropropene	7.63	75	3517	0.112	ug/L #	77
47) Tetrachloroethene	8.59	164	1791	0.111	ug/L	94
49) Dibromochloromethane	8.60	129	1739	0.091	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	17254	1.044	ug/L #	88

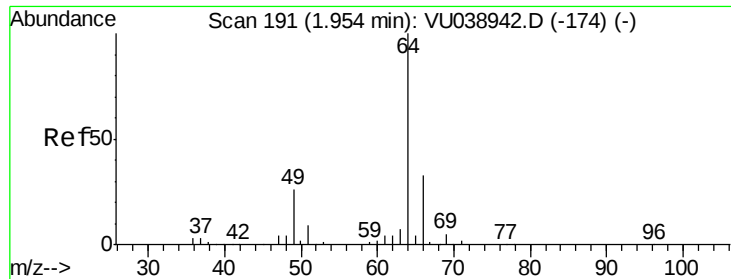
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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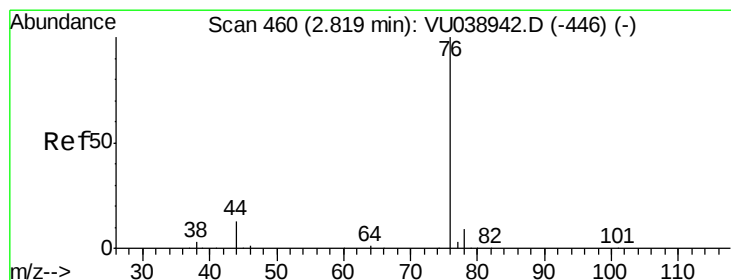
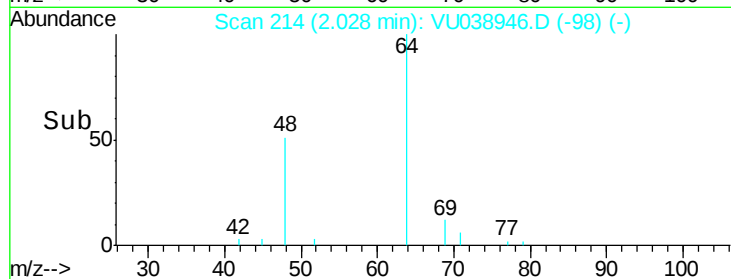
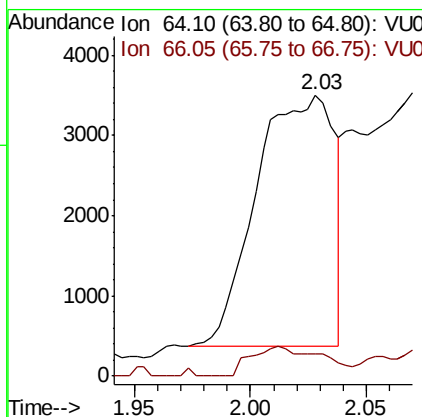
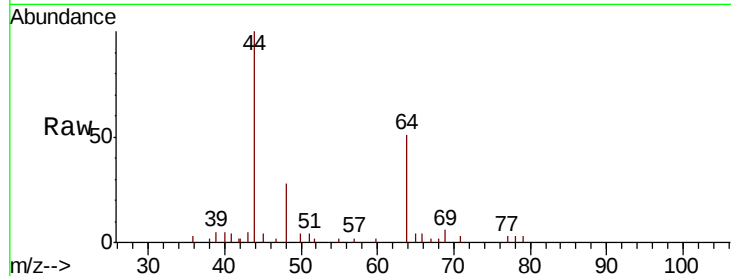




#8
 Chloroethane
 Concen: 0.447 ug/L
 RT: 2.03 min Scan# 214
 Delta R.T. 0.07 min
 Lab File: VU038946.D
 Acq: 17 Jun 2020 16:07

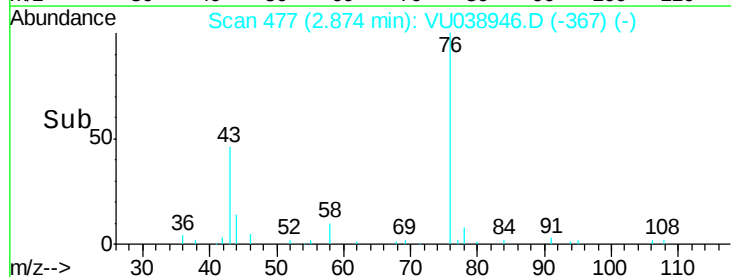
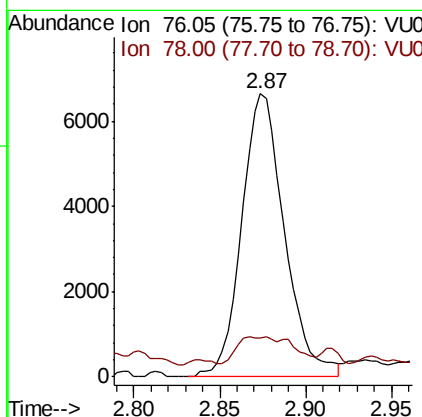
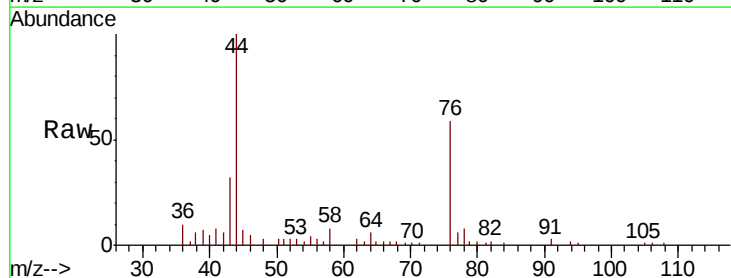
Instrument :
 MSVOA_U
 ClientSampleId :

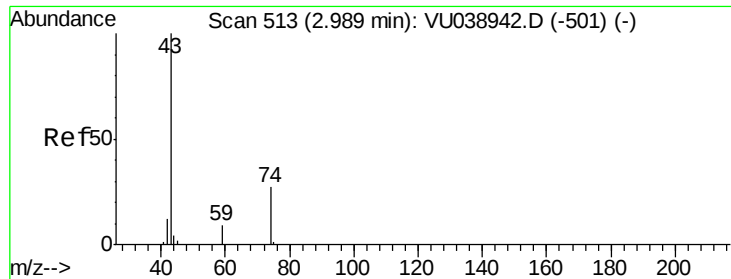
Tot Ion: 64 Resp: 7258
 Ion Ratio Lower Upper
 64 100
 66 7.7 22.1 41.1#



#14
 Carbon disulfide
 Concen: 0.178 ug/L
 RT: 2.87 min Scan# 477
 Delta R.T. 0.05 min
 Lab File: VU038946.D
 Acq: 17 Jun 2020 16:07

Tgt Ion: 76 Resp: 11505
 Ion Ratio Lower Upper
 76 100
 78 13.8 7.4 11.0#

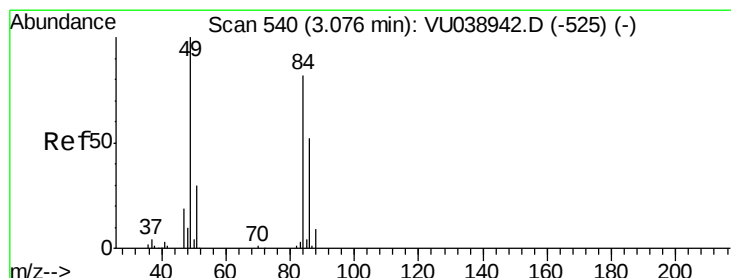
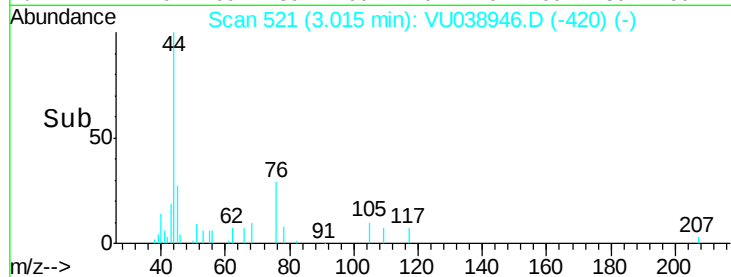
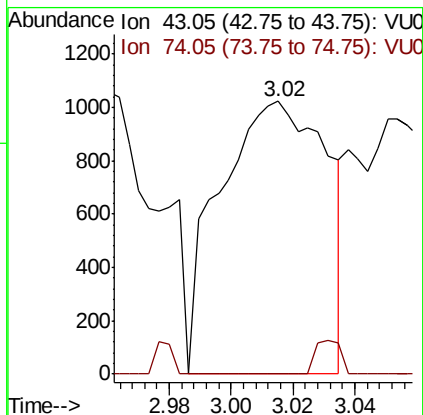
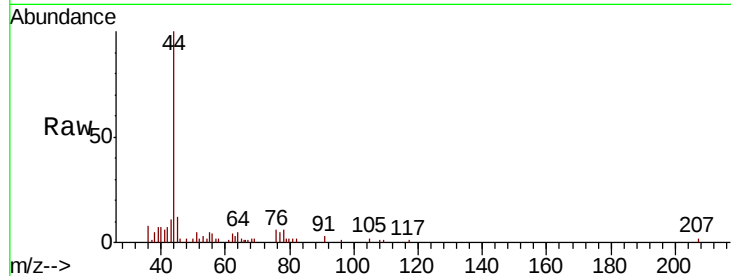




#15
Methyl Acetate
Concen: 0.243 ug/L
RT: 3.02 min Scan# 521
Delta R.T. 0.03 min
Lab File: VU038946.D
Acq: 17 Jun 2020 16:07

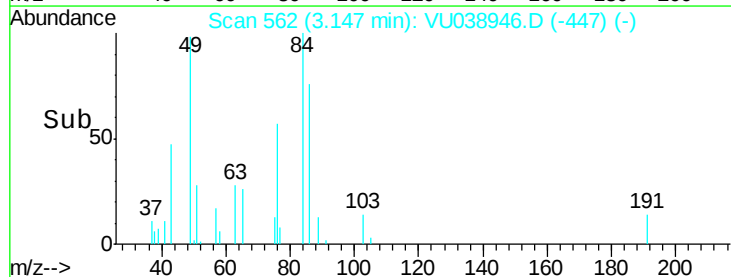
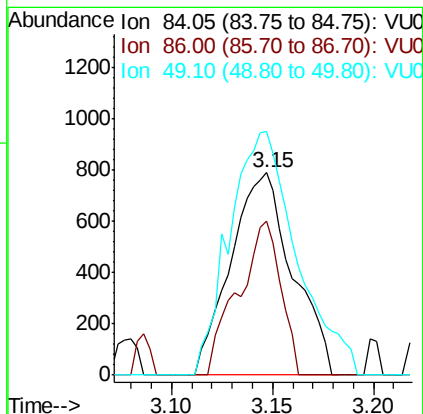
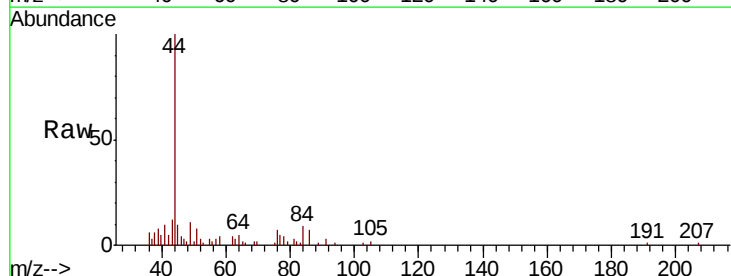
Instrument :
MSVOA_U
ClientSampleId :

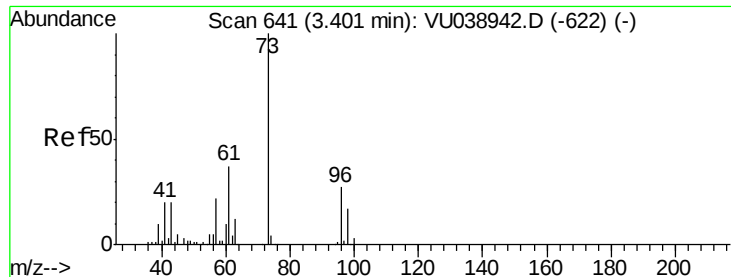
Tot Ion: 43 Resp: 2450
Ion Ratio Lower Upper
43 100
74 2.8 22.2 33.2#



#16
Methylene chloride
Concen: 0.077 ug/L
RT: 3.15 min Scan# 562
Delta R.T. 0.07 min
Lab File: VU038946.D
Acq: 17 Jun 2020 16:07

Tgt Ion: 84 Resp: 1687
Ion Ratio Lower Upper
84 100
86 76.3 45.1 83.7
49 120.3 83.7 155.4



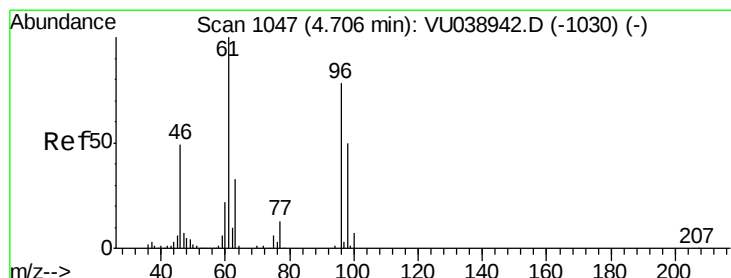
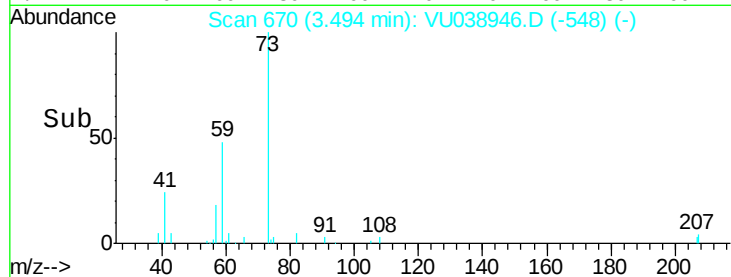
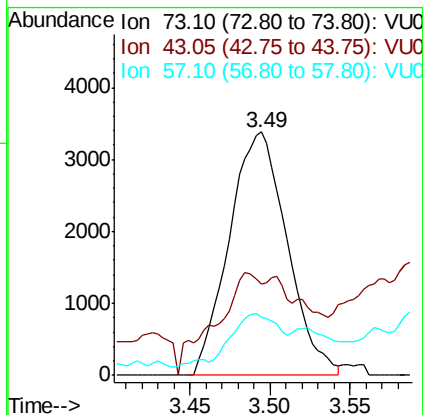
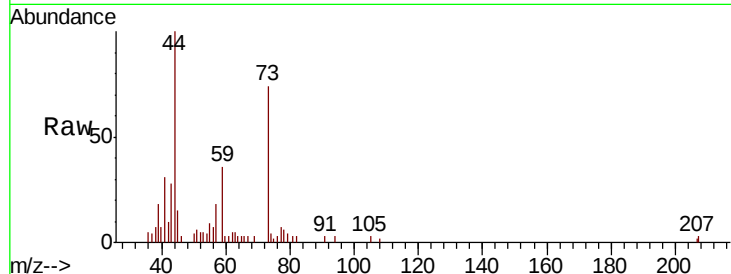


#17

Methyl tert-butyl Ether
 Concen: 0.167 ug/L
 RT: 3.49 min Scan# 670
 Delta R.T. 0.09 min
 Lab File: VU038946.D
 Acq: 17 Jun 2020 16:07

Instrument :
 MSVOA_U
 ClientSampleId :

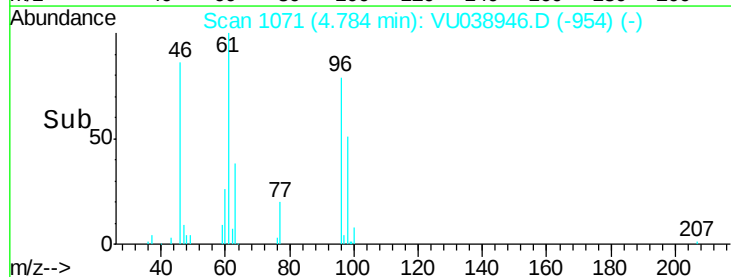
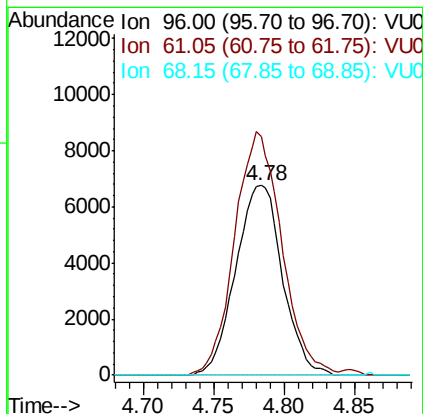
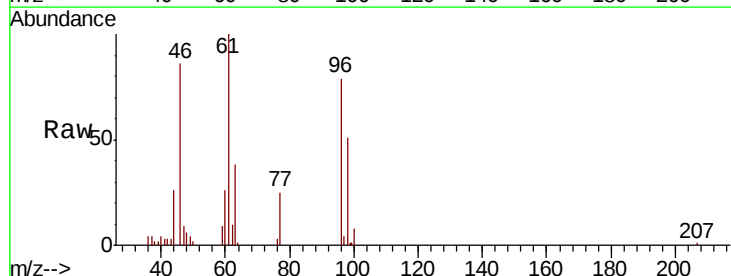
Tot Ion: 73 Resp: 8395
 Ion Ratio Lower Upper
 73 100
 43 32.5 17.0 25.4#
 57 15.4 17.7 26.5#

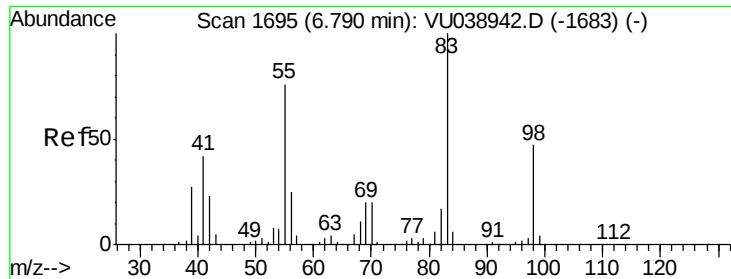


#22

cis-1,2-Dichloroethene
 Concen: 0.757 ug/L
 RT: 4.78 min Scan# 1071
 Delta R.T. 0.08 min
 Lab File: VU038946.D
 Acq: 17 Jun 2020 16:07

Tgt Ion: 96 Resp: 15632
 Ion Ratio Lower Upper
 96 100
 61 125.9 93.7 173.9
 68 0.0 0.0 0.0

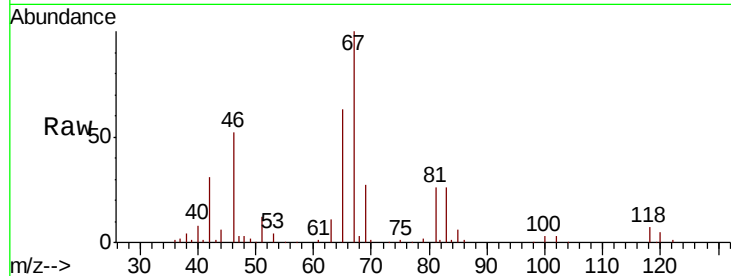




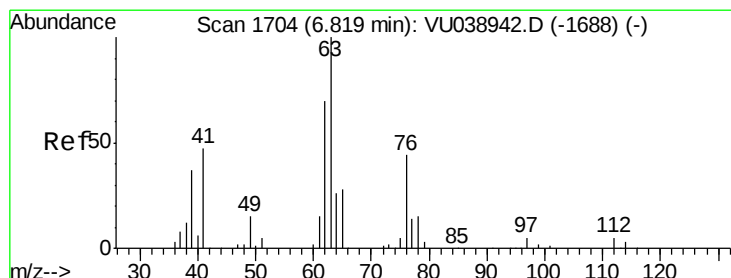
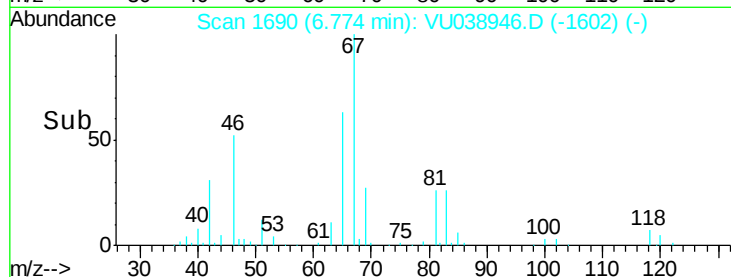
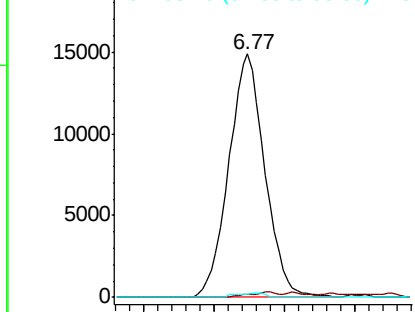
#35
Methvlcvclohexane
Concen: 0.807 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.02 min
Lab File: VU038946.D
Acq: 17 Jun 2020 16:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 26637
Ion Ratio Lower Upper
83 100
55 1.6 61.8 92.8#
98 1.4 39.3 58.9#

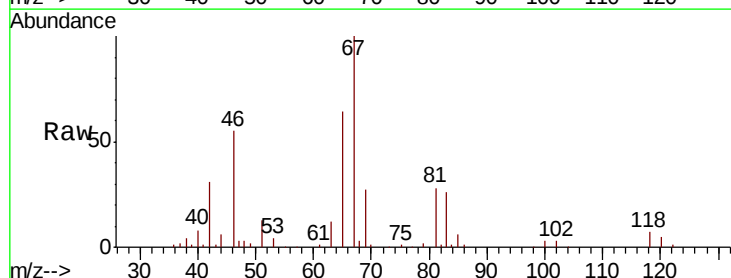


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

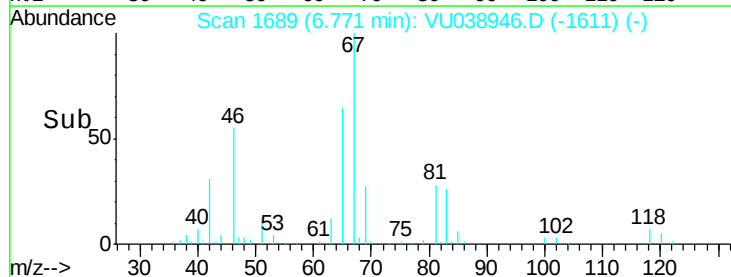
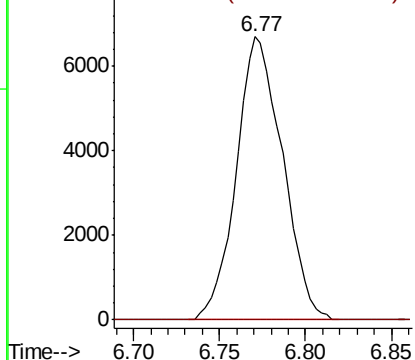


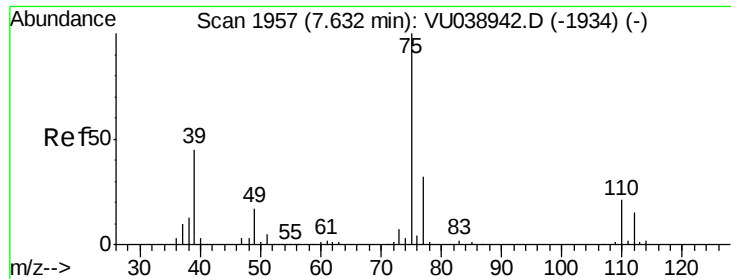
#37
1,2-Dichloropropane
Concen: 0.583 ug/L
RT: 6.77 min Scan# 1689
Delta R.T. -0.05 min
Lab File: VU038946.D
Acq: 17 Jun 2020 16:07

Tgt Ion: 63 Resp: 12495
Ion Ratio Lower Upper
63 100
112 0.3 3.9 5.9#



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

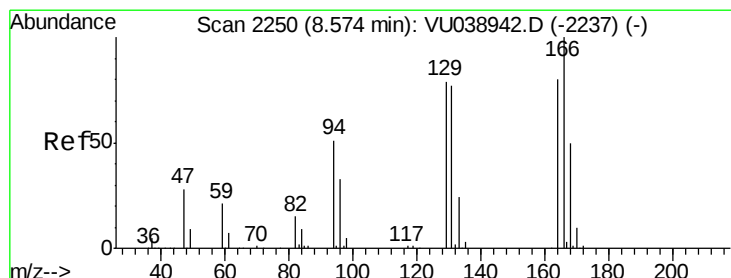
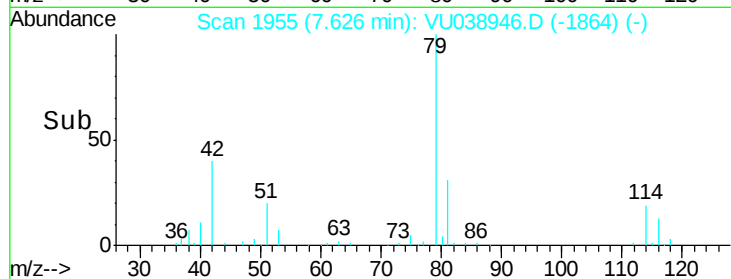
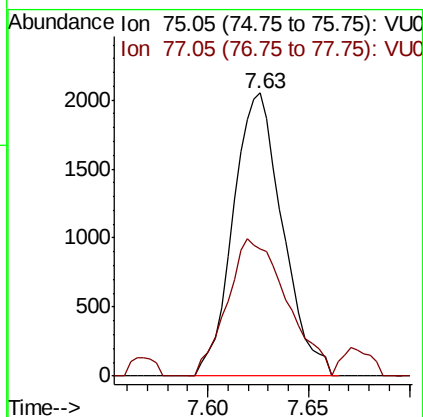
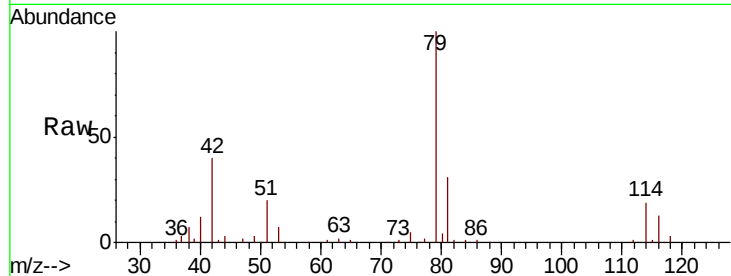




#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.63 min Scan# 1955
 Delta R.T. -0.01 min
 Lab File: VU038946.D
 Acq: 17 Jun 2020 16:07

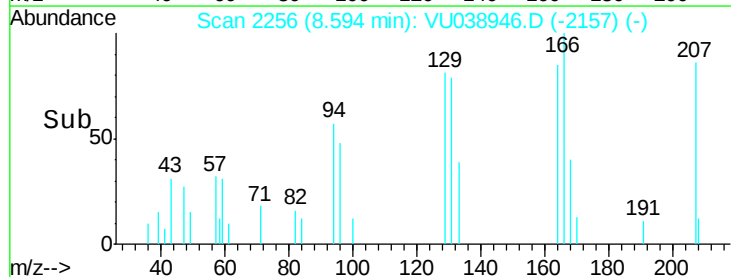
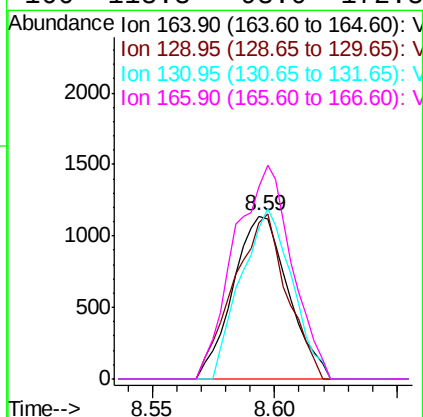
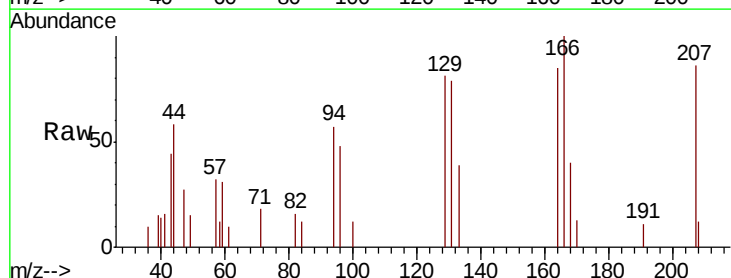
Instrument :
 MSVOA_U
 ClientSampled :

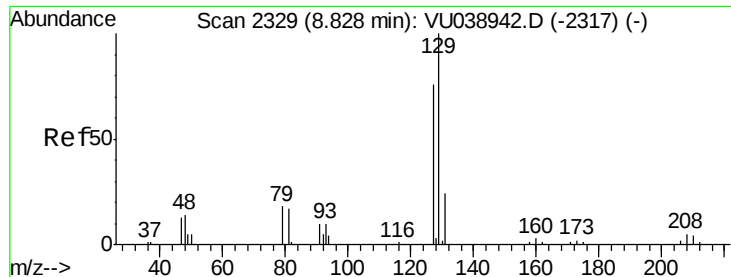
Tot Ion: 75 Resp: 3517
 Ion Ratio Lower Upper
 75 100
 77 45.0 22.4 41.6#



#47
 Tetrachloroethene
 Concen: 0.111 ug/L
 RT: 8.59 min Scan# 2256
 Delta R.T. 0.02 min
 Lab File: VU038946.D
 Acq: 17 Jun 2020 16:07

Tgt Ion:164 Resp: 1791
 Ion Ratio Lower Upper
 164 100
 129 96.4 66.1 122.8
 131 93.1 65.7 122.1
 166 118.3 93.0 172.8

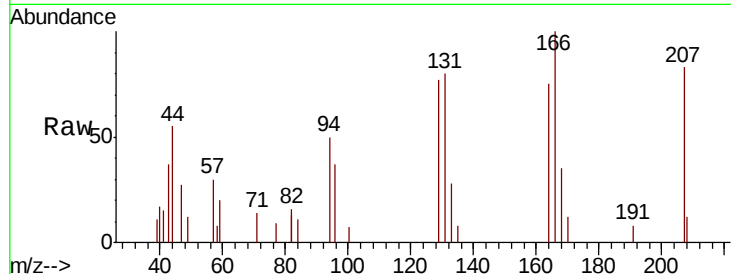




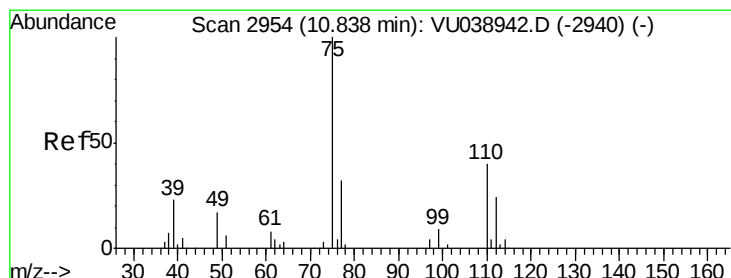
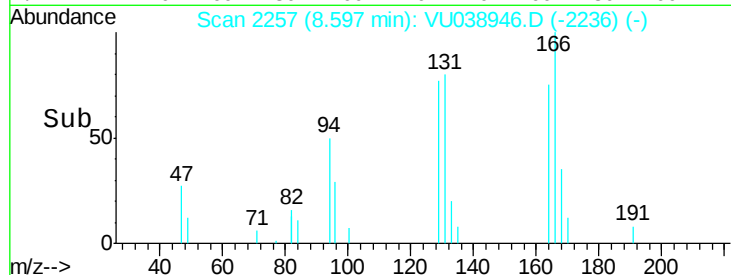
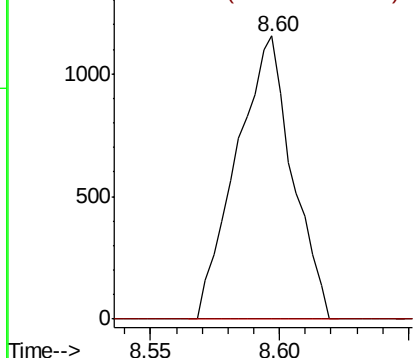
#49
 Dibromochloromethane
 Concen: 0.091 ug/L
 RT: 8.60 min Scan# 2257
 Delta R.T. -0.23 min
 Lab File: VU038946.D
 Acq: 17 Jun 2020 16:07

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:129 Resp: 1739
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.9 101.9#

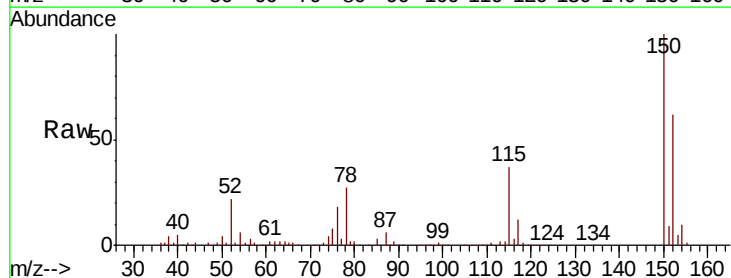


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V



#59
 1,2,3-Trichloropropane
 Concen: 1.044 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.99 min
 Lab File: VU038946.D
 Acq: 17 Jun 2020 16:07

Tgt Ion: 75 Resp: 17254
 Ion Ratio Lower Upper
 75 100
 77 38.4 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

