

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
 Data File : VU038553.D
 Acq On : 04 Jun 2020 16:51
 Operator : SY/MD
 Sample : L2873-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETTM8

Quant Time: Jun 05 01:14:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 05 01:11:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	290476	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	288973	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	137787	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	77255	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.93	69	61405	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.59	63	116300	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.68	46	292812	51.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.54%
24) Chloroform-d	5.10	84	161496	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.74	65	98106	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.76	84	326105	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.72	67	100233	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.92	98	274387	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.20	79	39777	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.65	63	249069	52.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.74%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	87443	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	119681	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

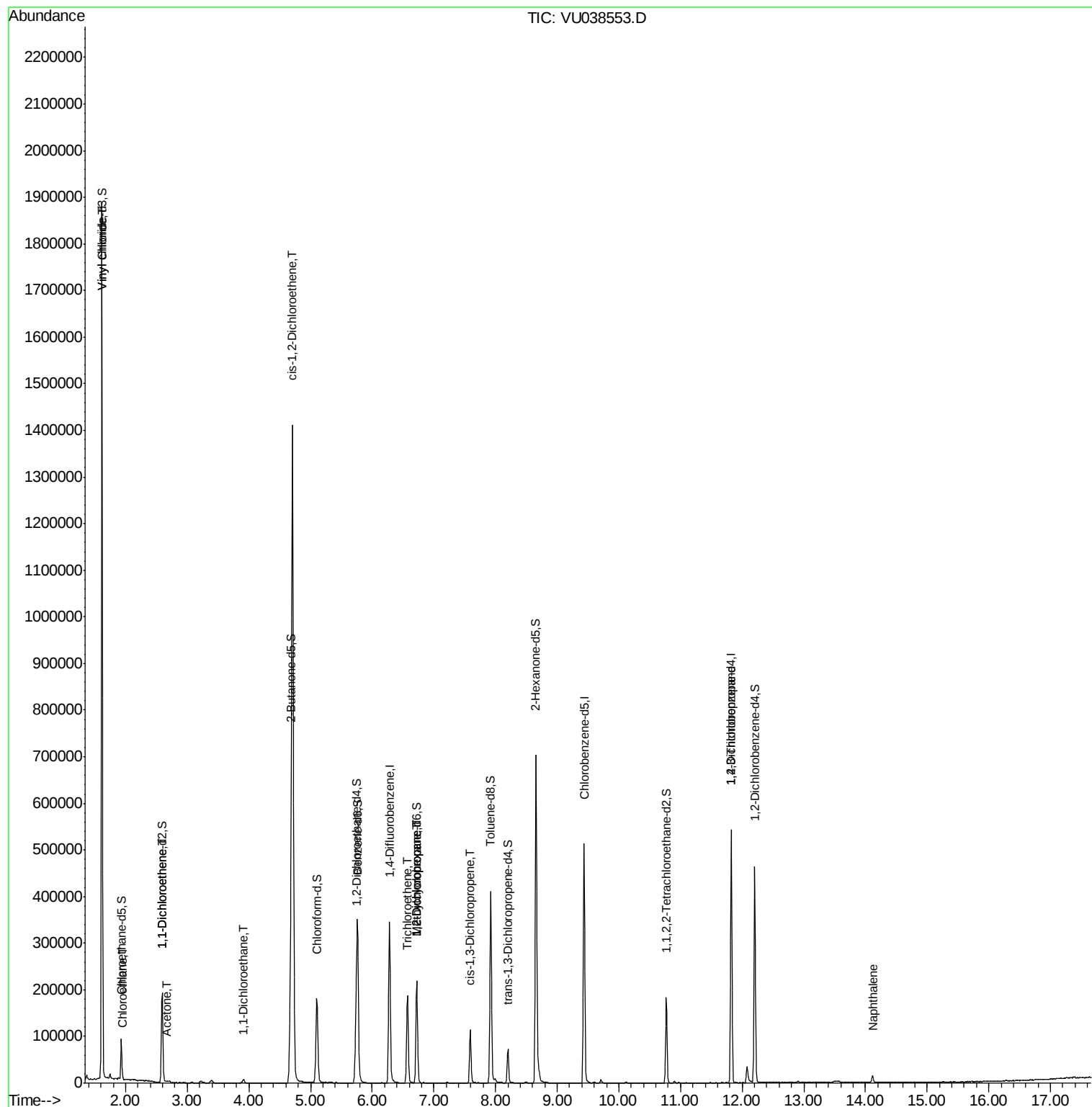
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	1169423	51.913	ug/L	98
8) Chloroethane	1.96	64	1488	0.110	ug/L #	57
12) 1,1-Dichloroethene	2.60	96	4954	0.277	ug/L #	1
13) Acetone	2.67	43	4528	1.212	ug/L	61
19) 1,1-Dichloroethane	3.91	63	7971	0.231	ug/L	93
22) cis-1,2-Dichloroethene	4.71	96	705116	33.967	ug/L	95
34) Trichloroethene	6.57	95	63685	3.045	ug/L	96
35) Methylcyclohexane	6.72	83	24853	0.768	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	10741	0.530	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	2767	0.092	ug/L #	64
59) 1,2,3-Trichloropropane	11.82	75	17090	1.129	ug/L #	88
69) Naphthalene	14.11	128	12402	0.223	ug/L	99

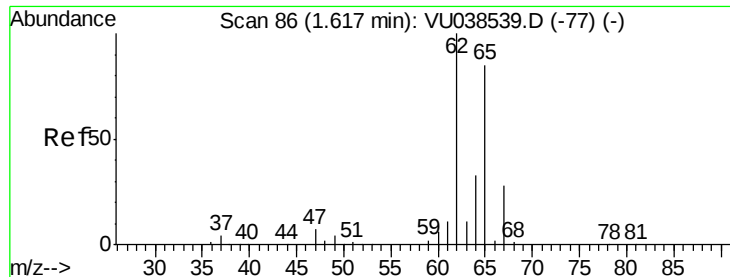
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 51.913 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038553.D

Acq: 04 Jun 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

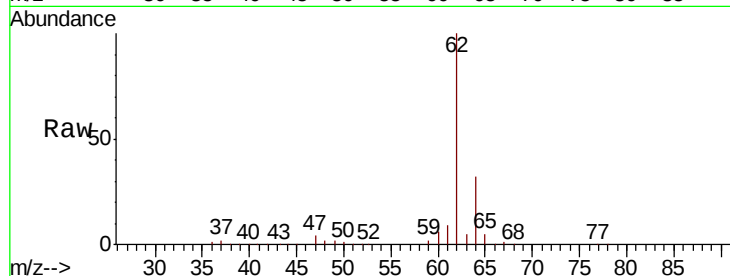
ETTM8

Tot Ion: 62 Resp: 1169423

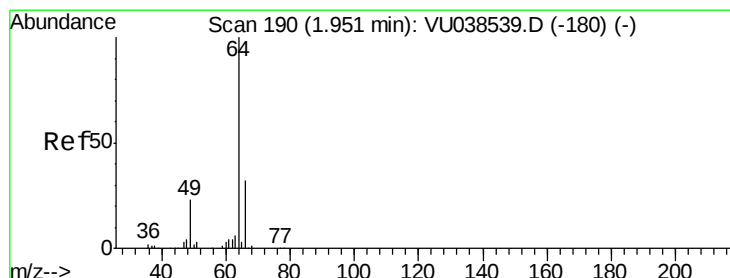
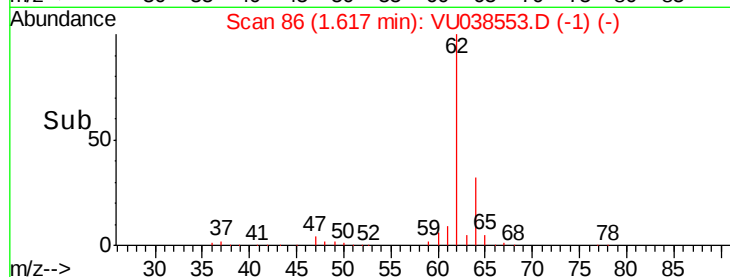
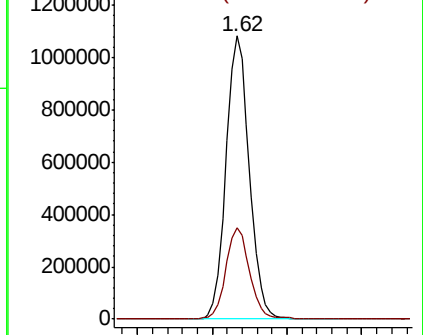
Ion Ratio Lower Upper

62 100

64 32.4 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038553.D (-1) (-)



#8

Chloroethane

Concen: 0.110 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.01 min

Lab File: VU038553.D

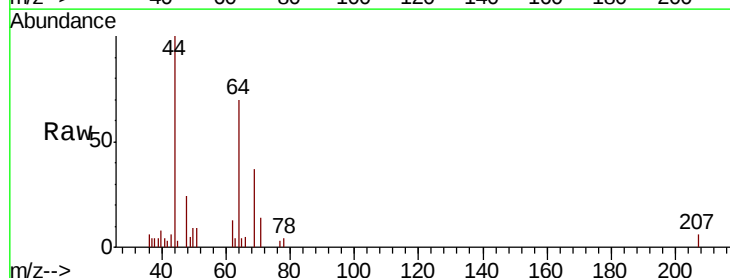
Acq: 04 Jun 2020 16:51

Tgt Ion: 64 Resp: 1488

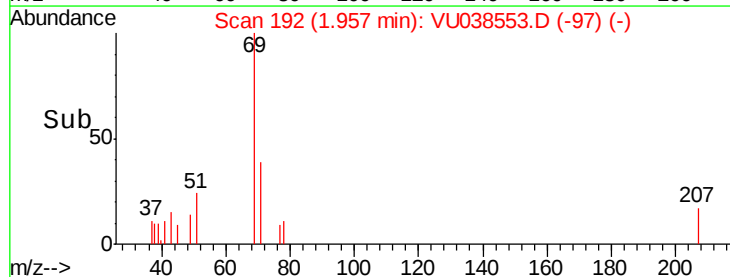
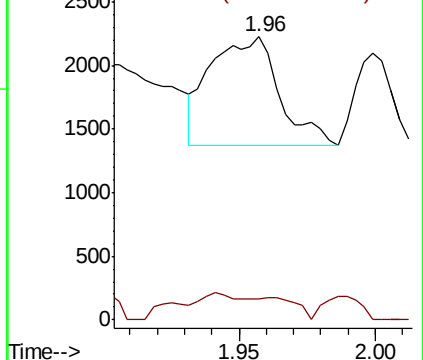
Ion Ratio Lower Upper

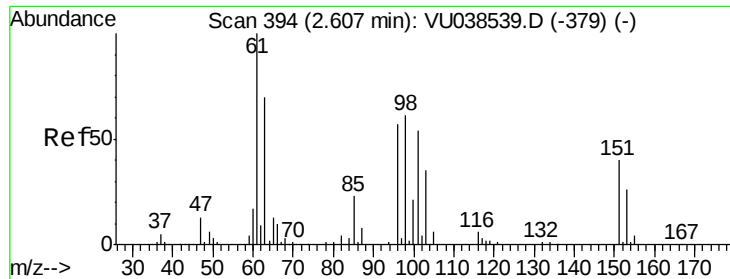
64 100

66 7.1 21.5 39.9#



Abundance Ion 64.10 (63.80 to 64.80): VU038553.D (-97) (-)

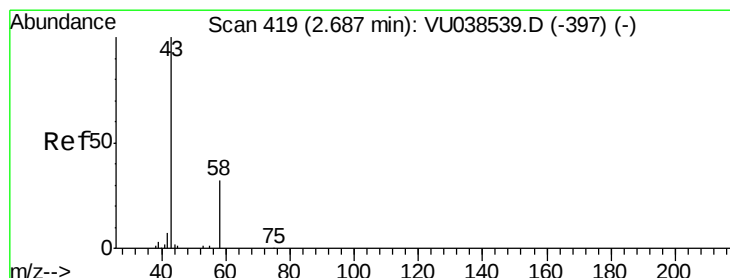
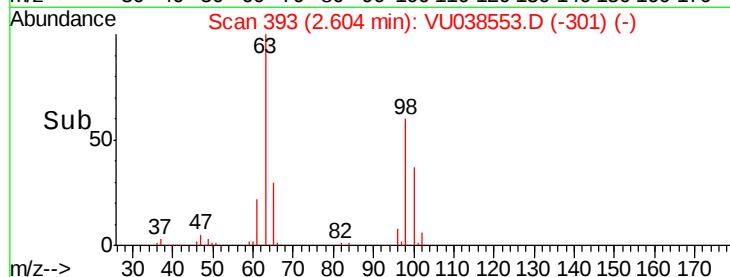
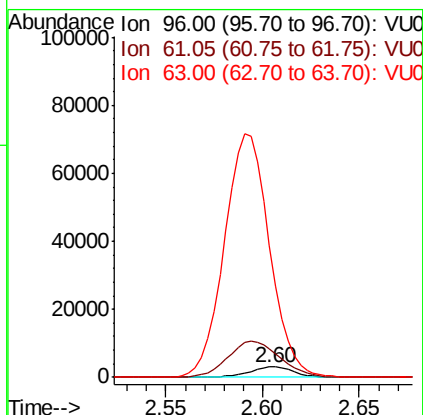
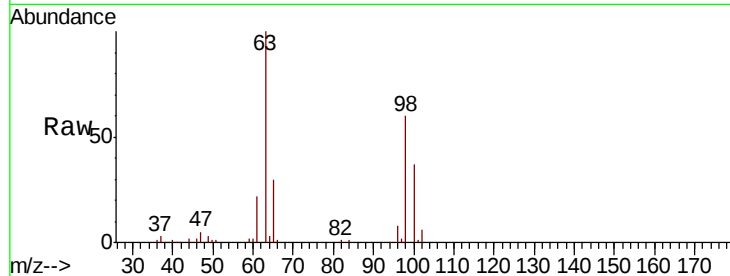




#12
 1,1-Dichloroethene
 Concen: 0.277 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU038553.D
 Acq: 04 Jun 2020 16:51

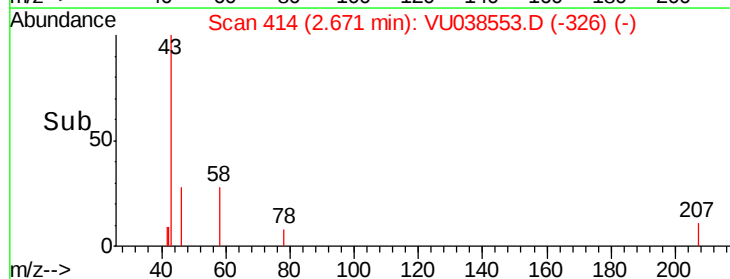
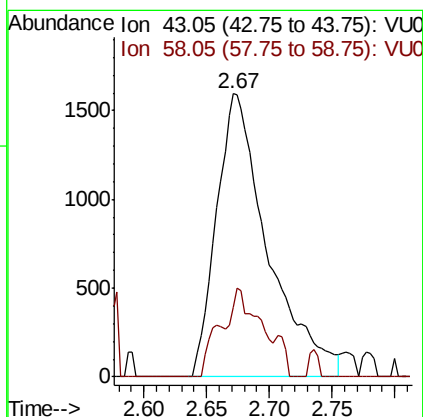
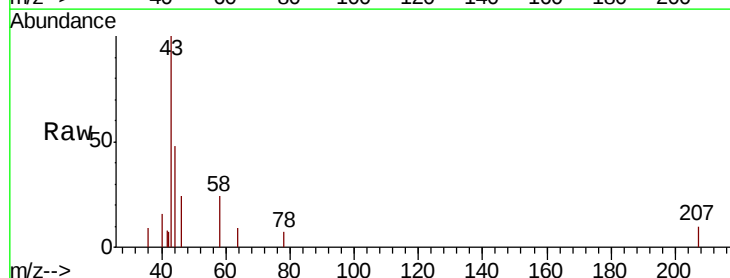
Instrument :
 MSVOA_U
 ClientSampleId :
 ETTM8

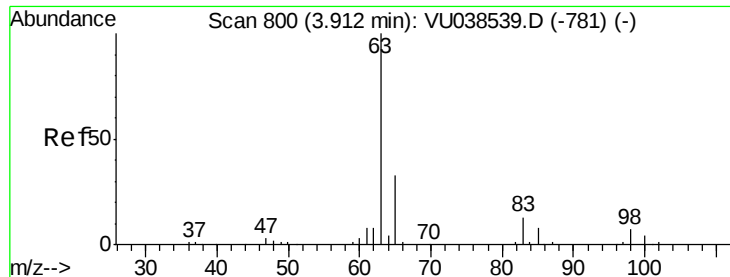
Tot Ion: 96 Resp: 4954
 Ion Ratio Lower Upper
 96 100
 61 278.0 119.9 222.7#
 63 1281.6 89.9 167.0#



#13
 Acetone
 Concen: 1.212 ug/L
 RT: 2.67 min Scan# 414
 Delta R.T. -0.02 min
 Lab File: VU038553.D
 Acq: 04 Jun 2020 16:51

Tgt Ion: 43 Resp: 4528
 Ion Ratio Lower Upper
 43 100
 58 10.6 0.0 65.6

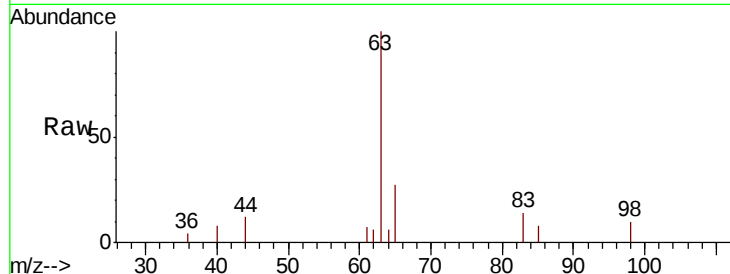




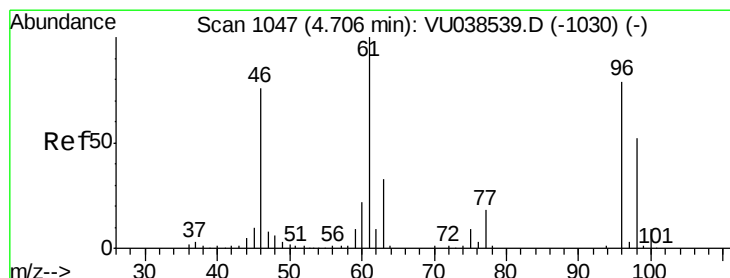
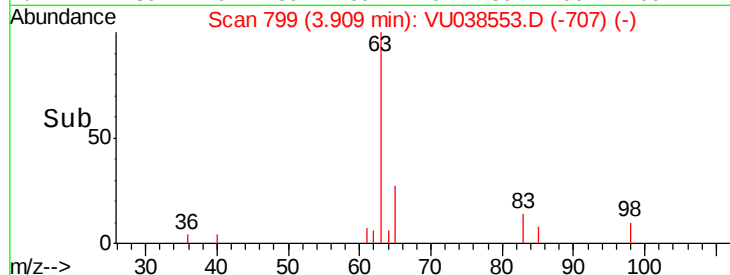
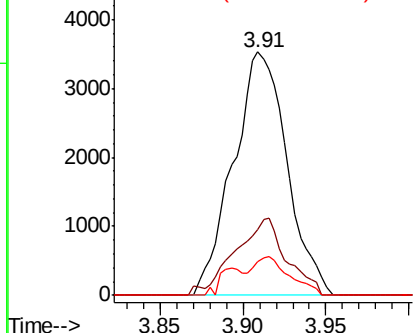
#19
 1,1-Dichloroethane
 Concen: 0.231 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038553.D
 Acq: 04 Jun 2020 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 ETTM8

Tot Ion: 63 Resp: 7971
 Ion Ratio Lower Upper
 63 100
 65 27.2 22.3 41.5
 83 13.6 10.4 19.4

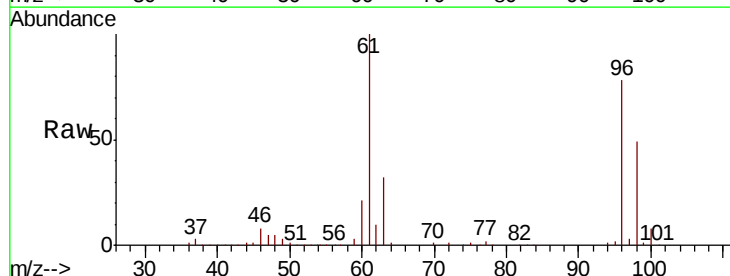


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

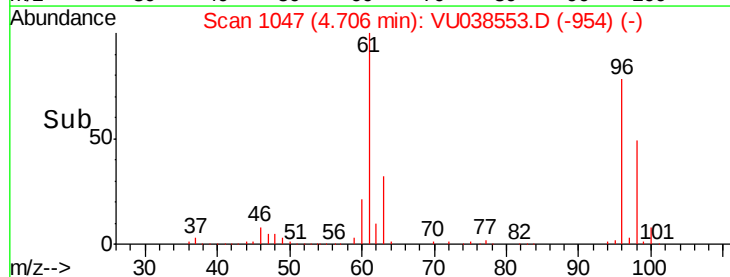
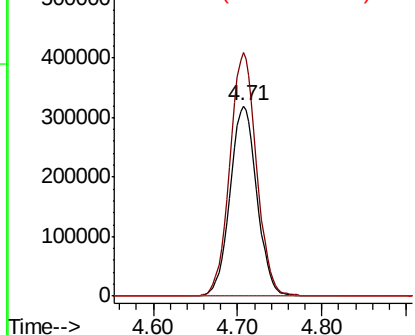


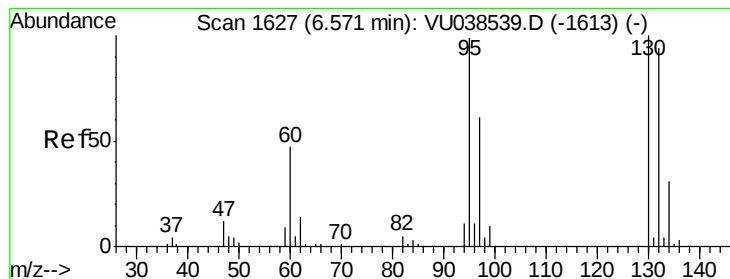
#22
 cis-1,2-Dichloroethene
 Concen: 33.967 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038553.D
 Acq: 04 Jun 2020 16:51

Tgt Ion: 96 Resp: 705116
 Ion Ratio Lower Upper
 96 100
 61 127.9 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





#34

Trichloroethene

Concen: 3.045 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038553.D

Acq: 04 Jun 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

ETTM8

Tot Ion: 95 Resp: 63685

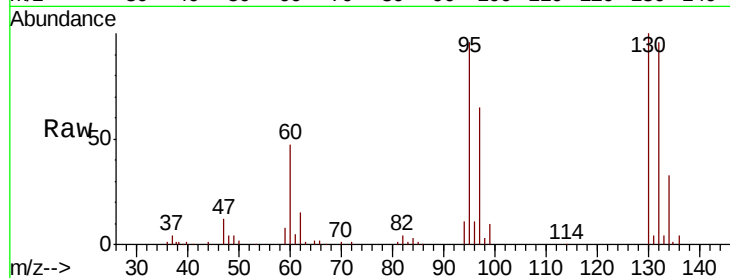
Ion Ratio Lower Upper

95 100

97 68.0 46.8 87.0

132 100.0 66.1 122.7

130 104.1 70.0 130.0

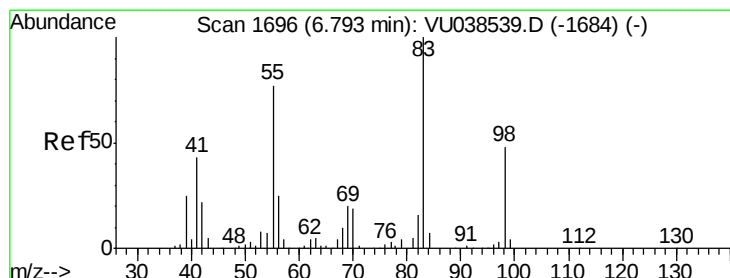
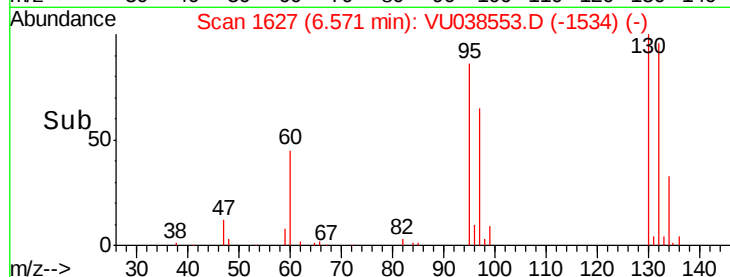
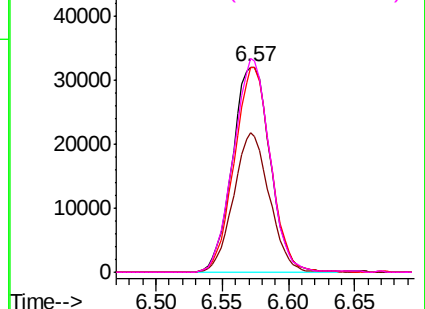


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.768 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038553.D

Acq: 04 Jun 2020 16:51

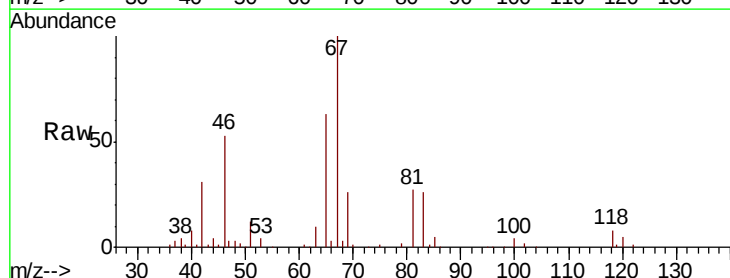
Tgt Ion: 83 Resp: 24853

Ion Ratio Lower Upper

83 100

55 0.4 63.4 95.2#

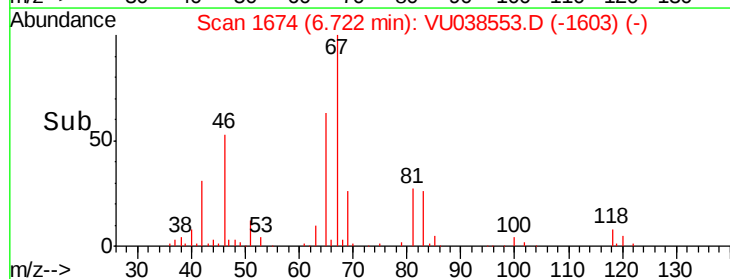
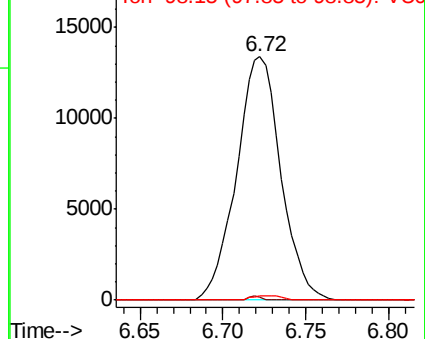
98 1.3 39.0 58.4#

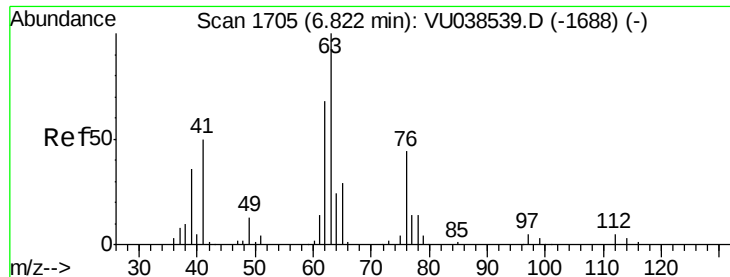


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

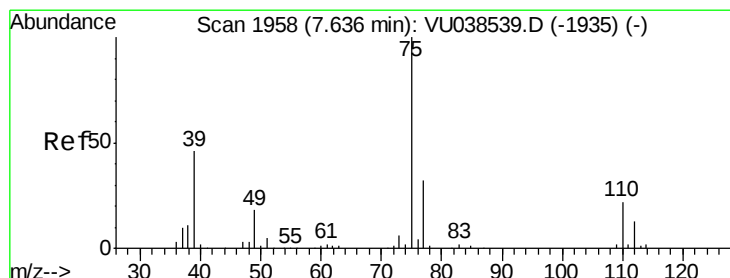
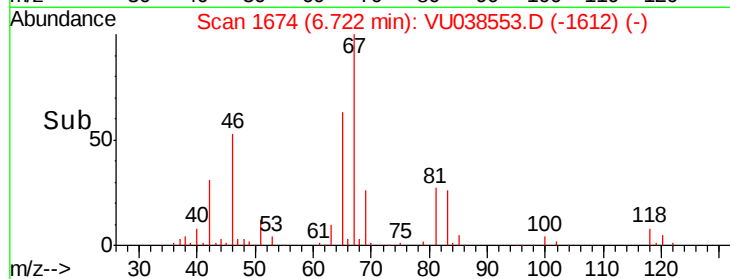
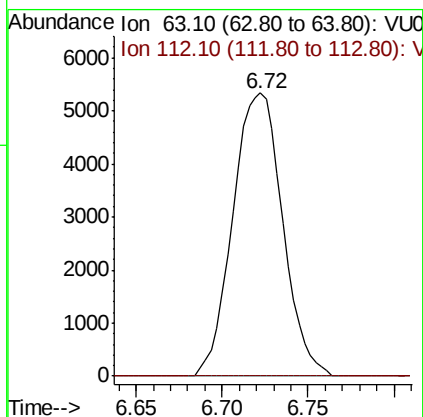
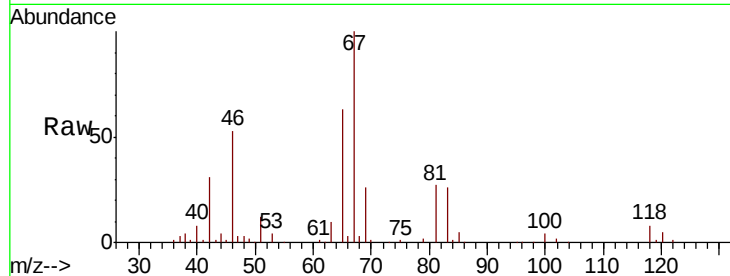




#37
 1,2-Dichloropropane
 Concen: 0.530 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038553.D
 Acq: 04 Jun 2020 16:51

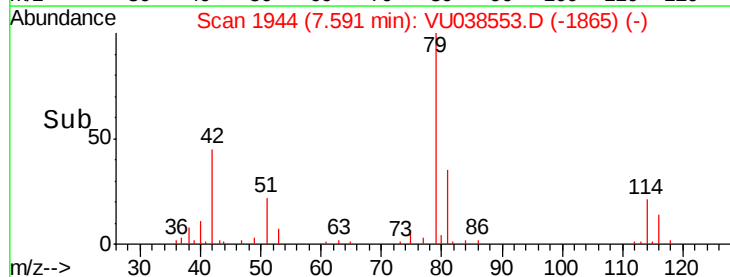
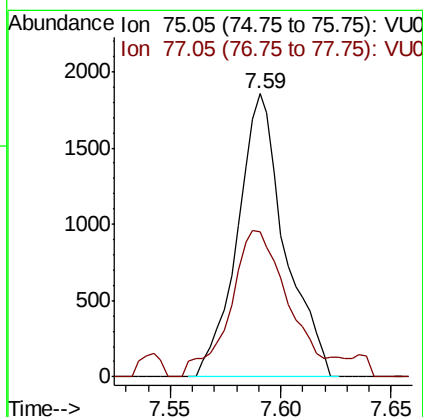
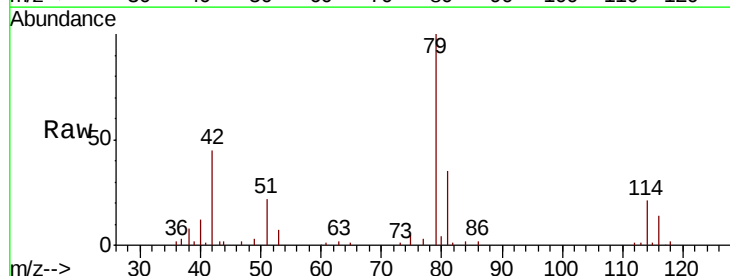
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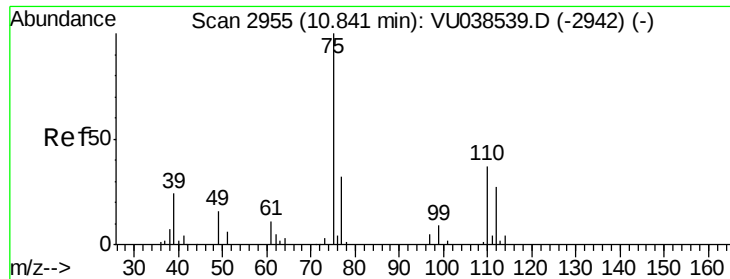
Tot Ion: 63 Resp: 10741
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU038553.D
 Acq: 04 Jun 2020 16:51

Tgt Ion: 75 Resp: 2767
 Ion Ratio Lower Upper
 75 100
 77 51.3 21.9 40.7#

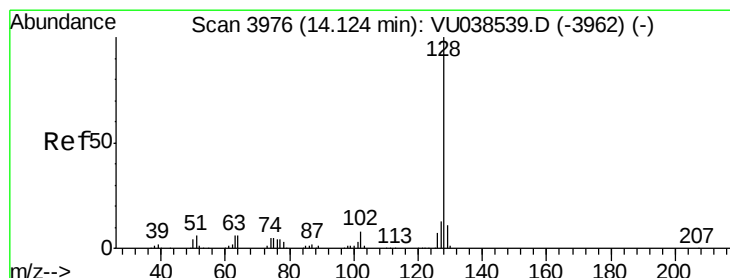
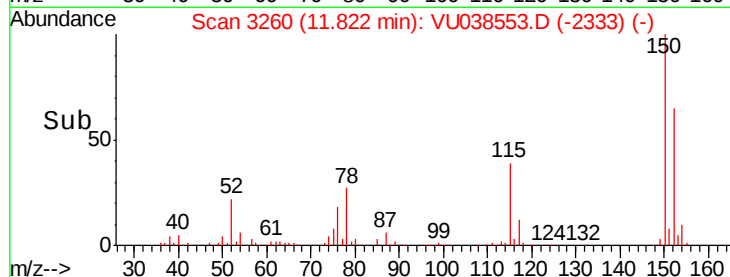
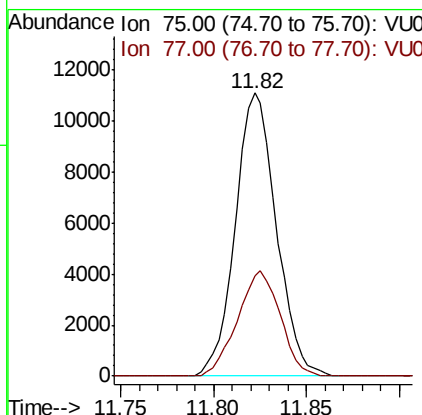
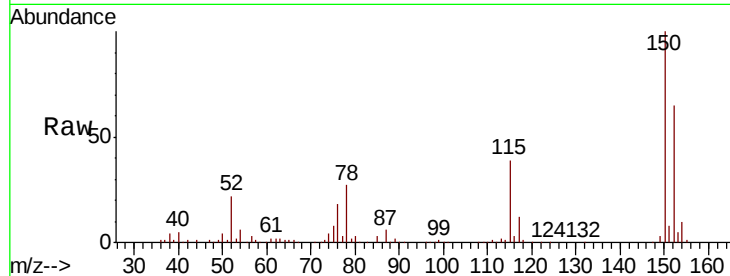




#59
 1,2,3-Trichloropropane
 Concen: 1.129 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038553.D
 Acq: 04 Jun 2020 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 ETTM8

Tot Ion: 75 Resp: 17090
 Ion Ratio Lower Upper
 75 100
 77 38.7 25.4 38.2#



#69
 Naphthalene
 Concen: 0.223 ug/L
 RT: 14.11 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: VU038553.D
 Acq: 04 Jun 2020 16:51

Tgt Ion: 128 Resp: 12402
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.9 13.3
 127 13.5 10.2 15.4

