

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
 Data File : VU038957.D
 Acq On : 17 Jun 2020 20:21
 Operator : SY/MD
 Sample : L3040-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 18 04:12:01 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	6.28	114	254149	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256448	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	111920	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	81318	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.93	69	73582	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.59	63	146434	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	4.70	46	358760	63.54	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.08%
24) Chloroform-d	5.10	84	185086	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.74	65	110405	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.76	84	357640	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.72	67	115017	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.92	98	286667	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	8.20	79	45431	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.66	63	298070	59.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.16%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	106373	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	118723	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

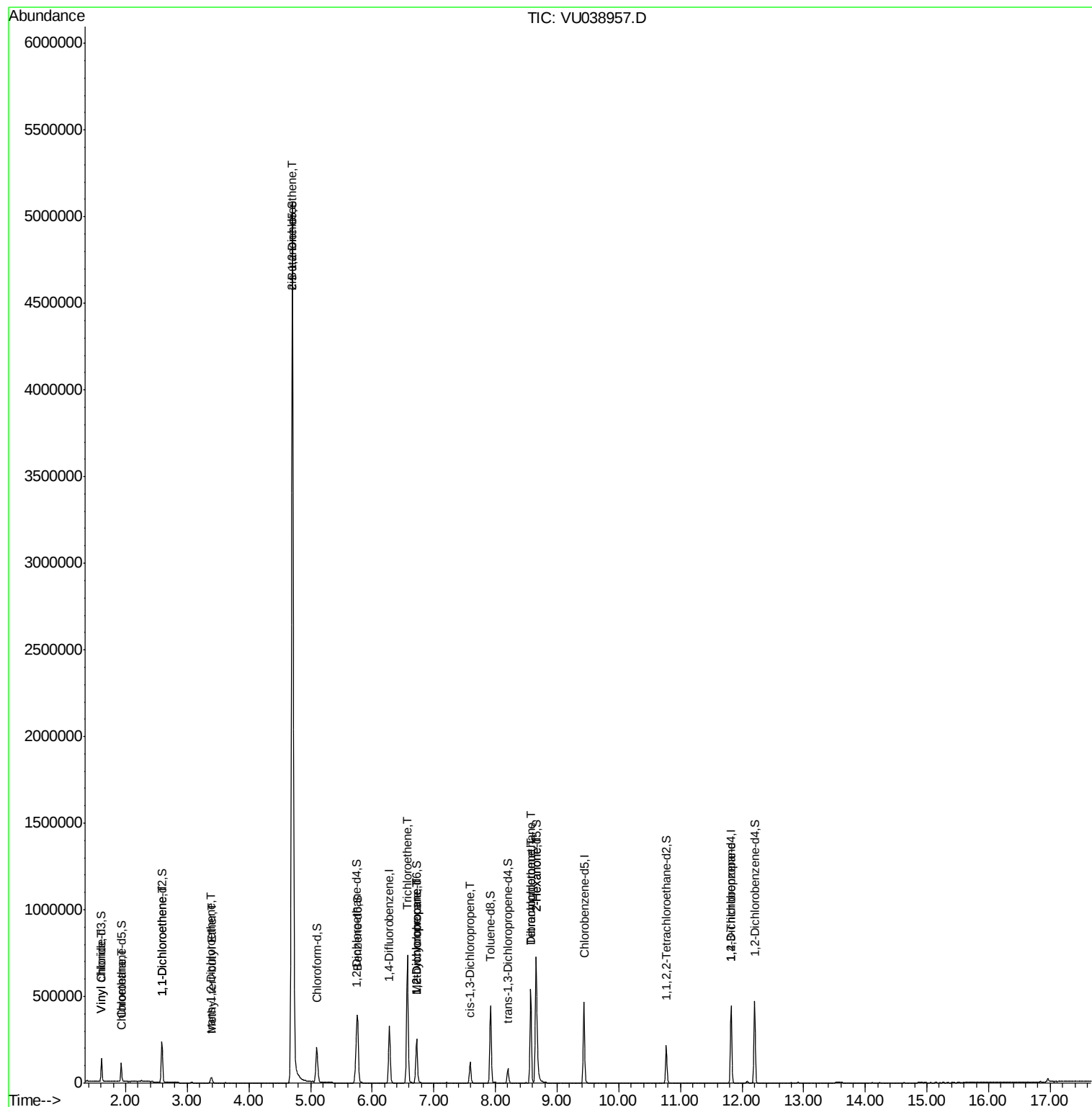
					Ovalue
5) Vinyl chloride	1.62	62	10988	0.460 ug/L	89
8) Chloroethane	1.95	64	1185	0.078 ug/L	94
12) 1,1-Dichloroethene	2.59	96	1726	0.097 ug/L #	1
17) Methyl tert-butyl Ether	3.40	73	8816	0.188 ug/L #	85
18) trans-1,2-Dichloroethene	3.39	96	10682	0.570 ug/L	92
22) cis-1,2-Dichloroethene	4.70	96	2500512	129.815 ug/L	100
34) Trichloroethene	6.57	95	246241	12.669 ug/L	99
35) Methylcyclohexane	6.72	83	28122	0.913 ug/L #	18
37) 1,2-Dichloropropane	6.72	63	13052	0.652 ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3075	0.105 ug/L #	41
47) Tetrachloroethene	8.57	164	116397	7.729 ug/L	95
48) 2-Hexanone	8.66	43	40497	3.878 ug/L #	72
49) Dibromochloromethane	8.57	129	110231	6.197 ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	14455	0.937 ug/L #	82

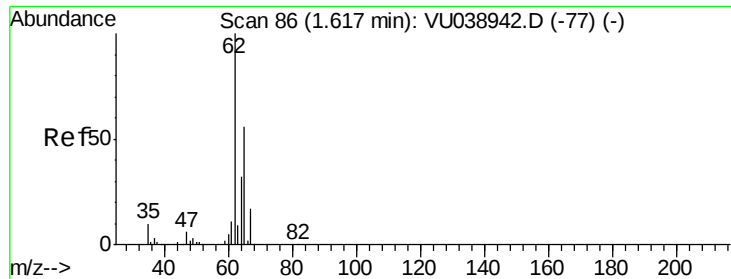
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 18 04:07:55 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.460 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038957.D

Acq: 17 Jun 2020 20:21

Instrument :

MSVOA_U

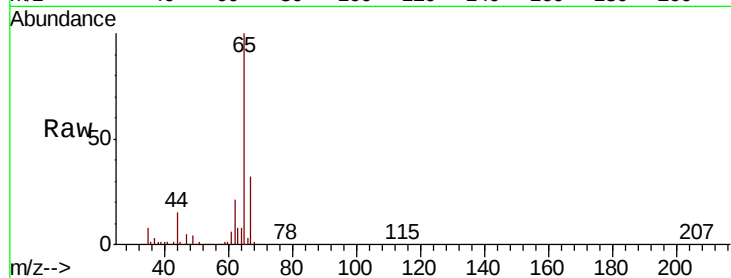
ClientSampled :

Tot Ion: 62 Resp: 10988

Ion Ratio Lower Upper

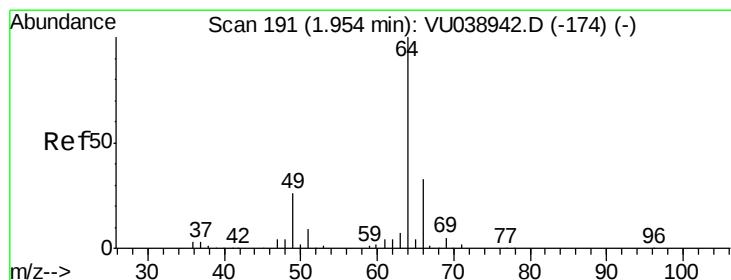
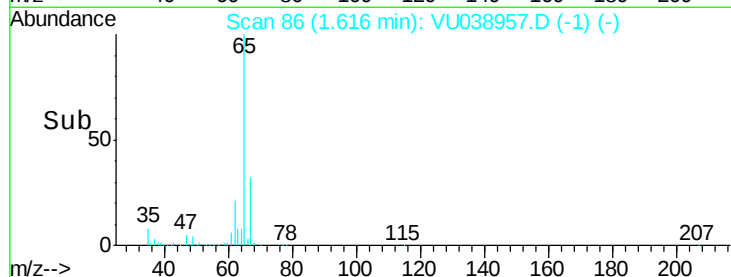
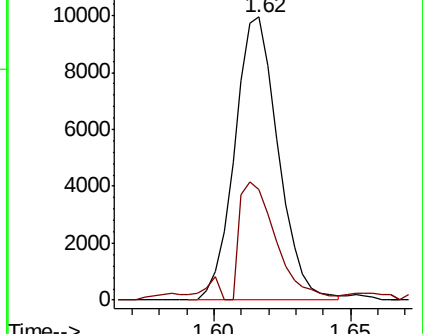
62 100

64 39.1 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU038942.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038942.D (-77) (-)



#8

Chloroethane

Concen: 0.078 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038957.D

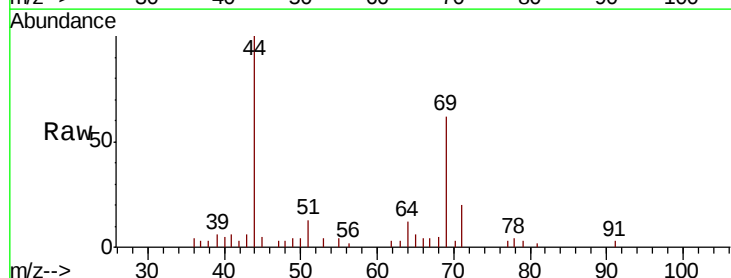
Acq: 17 Jun 2020 20:21

Tgt Ion: 64 Resp: 1185

Ion Ratio Lower Upper

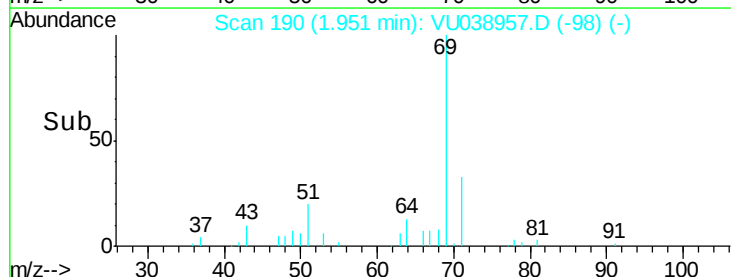
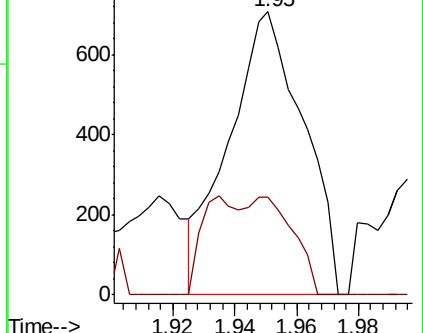
64 100

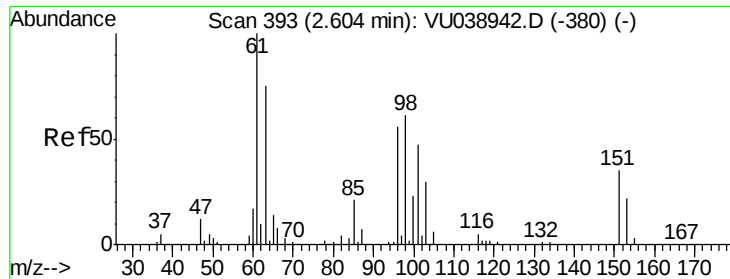
66 34.7 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU038942.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU038942.D (-174) (-)





#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038957.D

Acq: 17 Jun 2020 20:21

Instrument :

MSVOA_U

ClientSampleId :

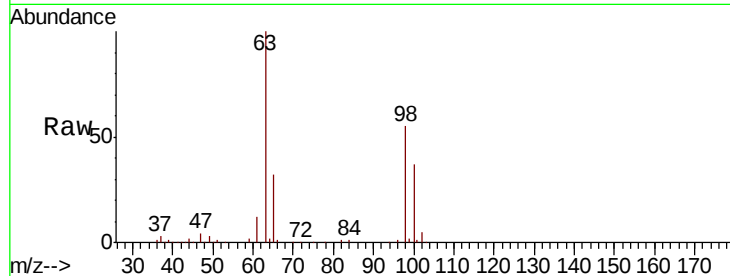
Tot Ion: 96 Resp: 1726

Ion Ratio Lower Upper

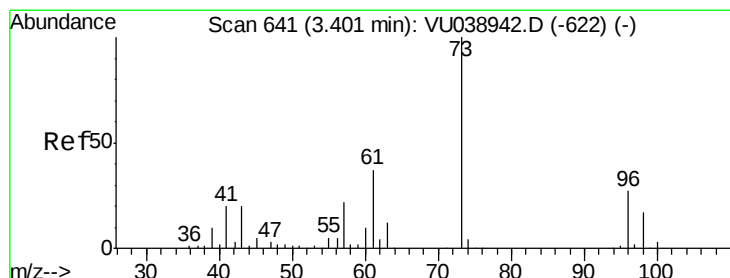
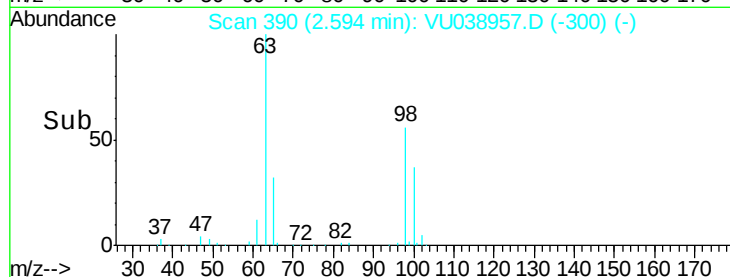
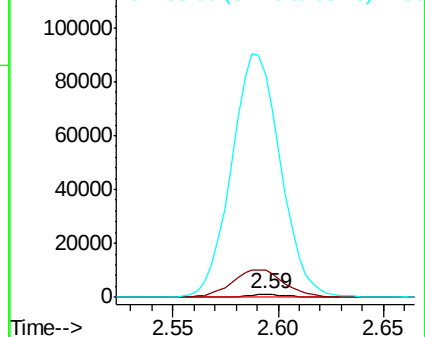
96 100

61 900.4 120.3 223.5#

63 7487.7 78.7 146.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#17

Methyl tert-butyl Ether

Concen: 0.188 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU038957.D

Acq: 17 Jun 2020 20:21

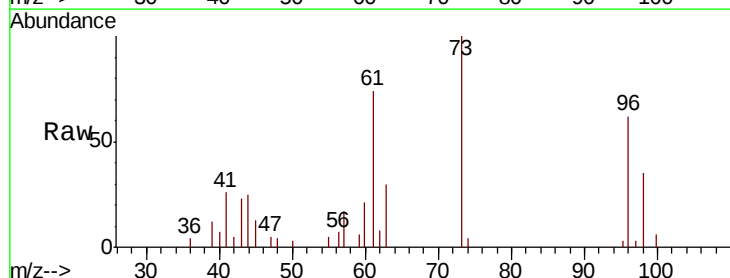
Tgt Ion: 73 Resp: 8816

Ion Ratio Lower Upper

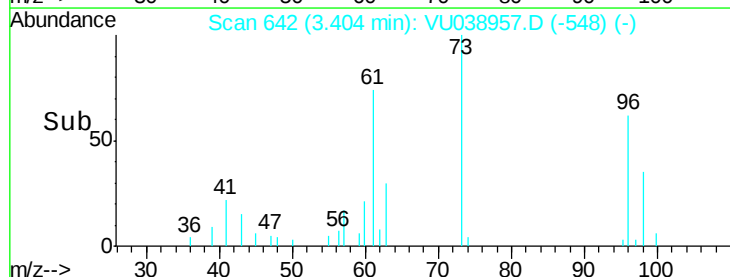
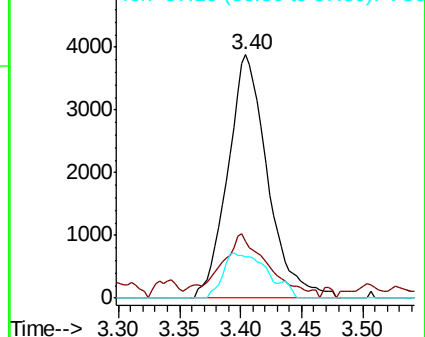
73 100

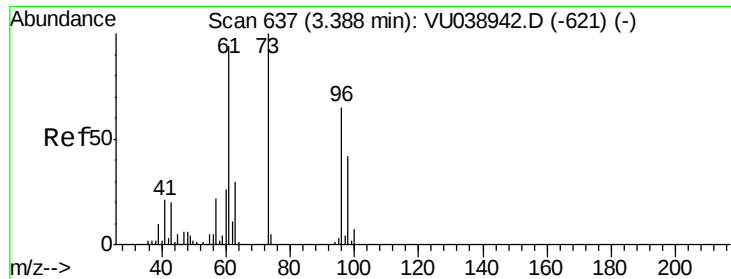
43 32.2 17.0 25.4#

57 18.9 17.7 26.5



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





#18

trans-1,2-Dichloroethene

Concen: 0.570 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038957.D

Acq: 17 Jun 2020 20:21

Instrument :

MSVOA_U

ClientSampleId :

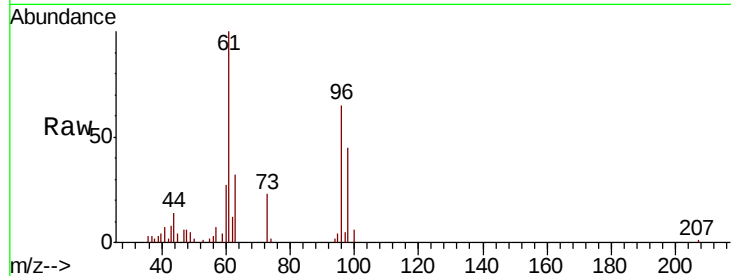
Tot Ion: 96 Resp: 10682

Ion Ratio Lower Upper

96 100

61 153.9 100.3 186.3

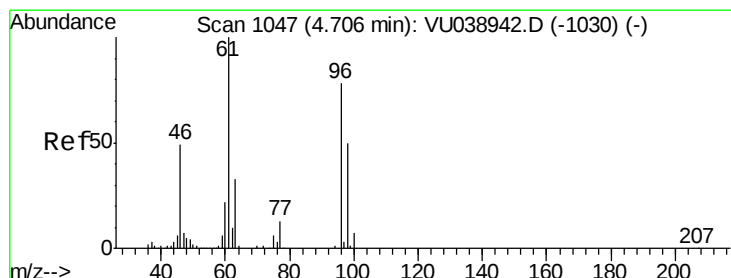
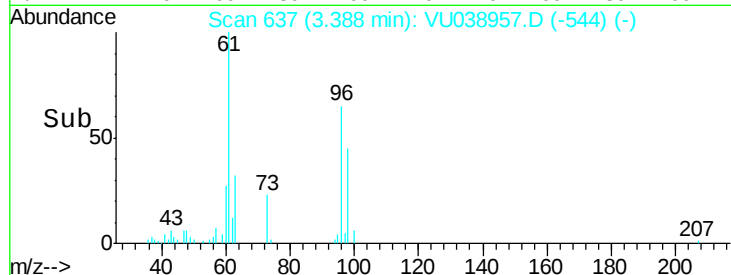
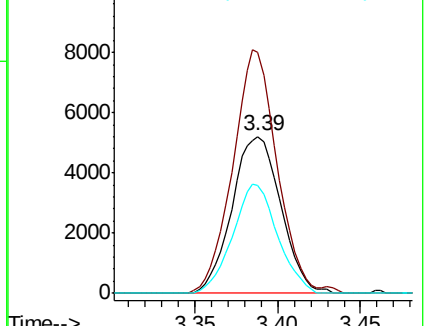
98 68.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU038957.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038957.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038957.D (-544) (-)



#22

cis-1,2-Dichloroethene

Concen: 129.815 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038957.D

Acq: 17 Jun 2020 20:21

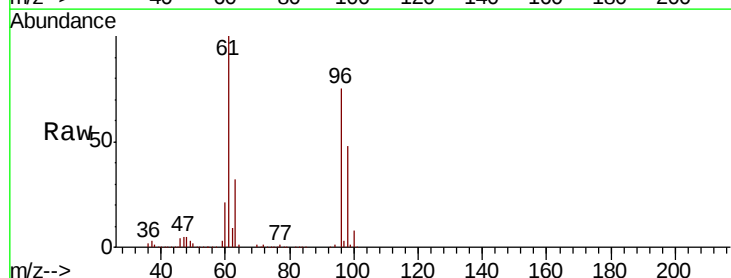
Tgt Ion: 96 Resp: 2500512

Ion Ratio Lower Upper

96 100

61 134.1 93.7 173.9

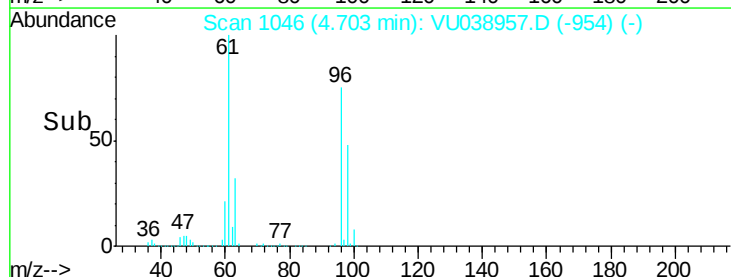
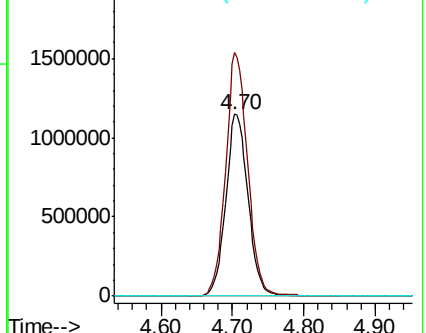
68 0.0 0.0 0.0

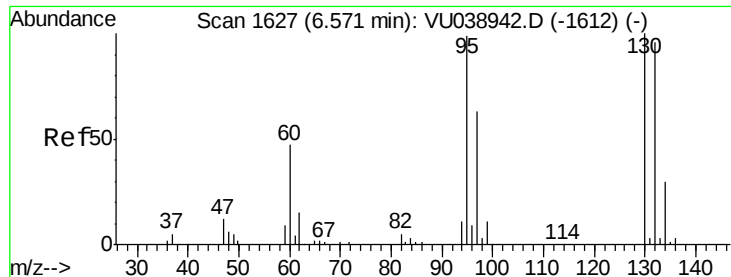


Abundance Ion 96.00 (95.70 to 96.70): VU038957.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038957.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038957.D (-954) (-)

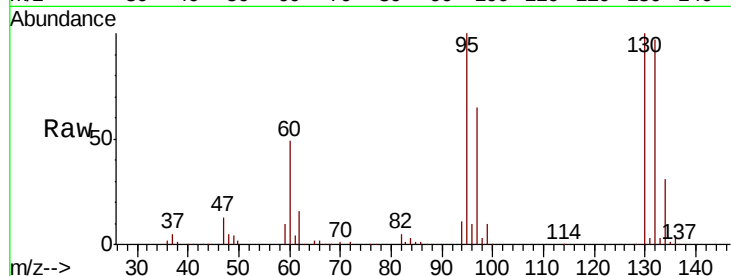




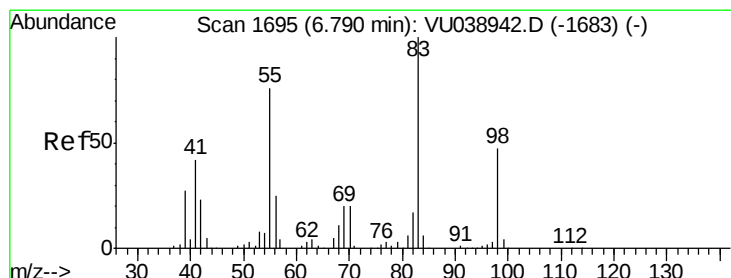
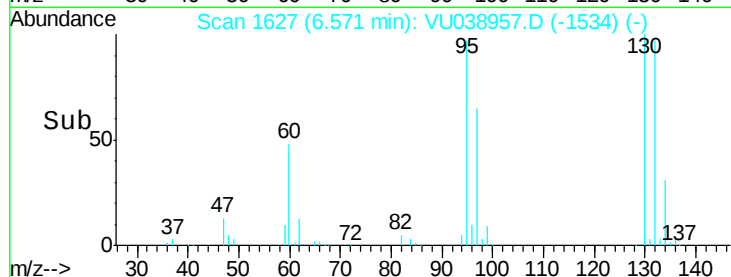
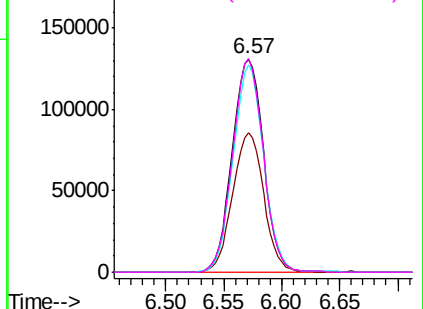
#34
 Trichloroethene
 Concen: 12.669 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038957.D
 Acq: 17 Jun 2020 20:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 246241
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.4 84.4
 132 97.8 68.4 127.0
 130 100.5 69.6 129.2

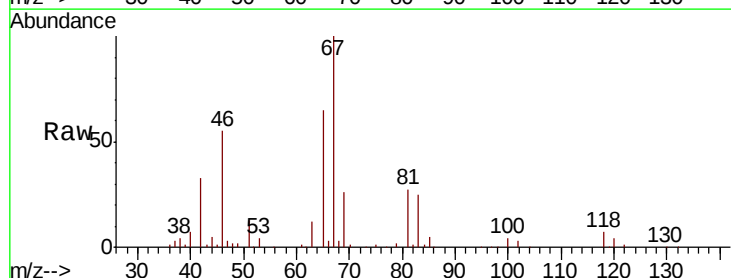


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

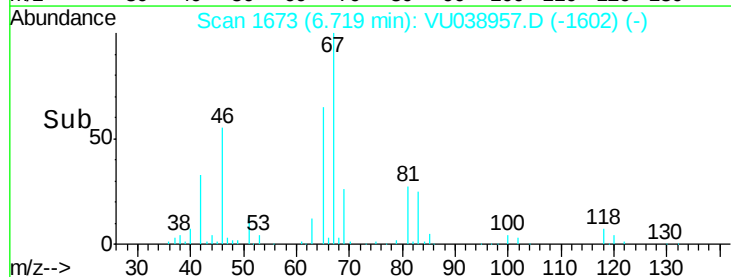
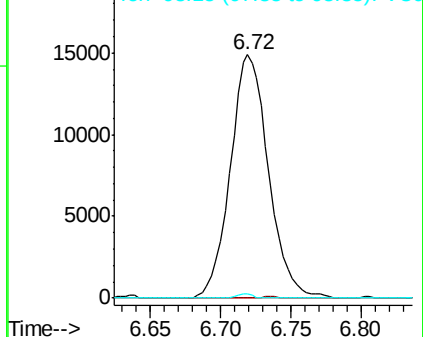


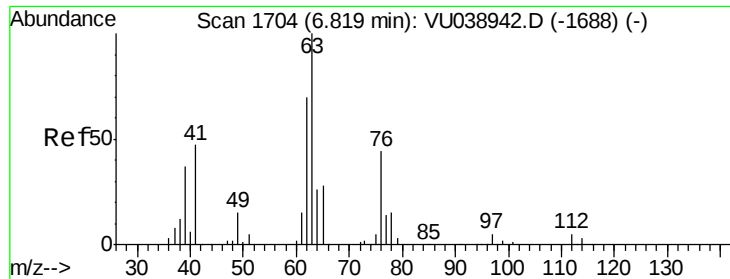
#35
 Methylcyclohexane
 Concen: 0.913 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU038957.D
 Acq: 17 Jun 2020 20:21

Tgt Ion: 83 Resp: 28122
 Ion Ratio Lower Upper
 83 100
 55 0.2 61.8 92.8#
 98 0.0 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

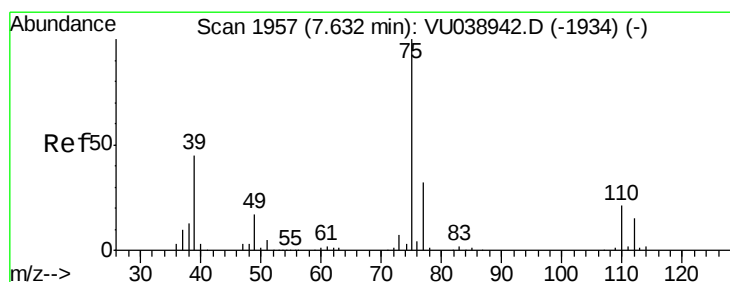
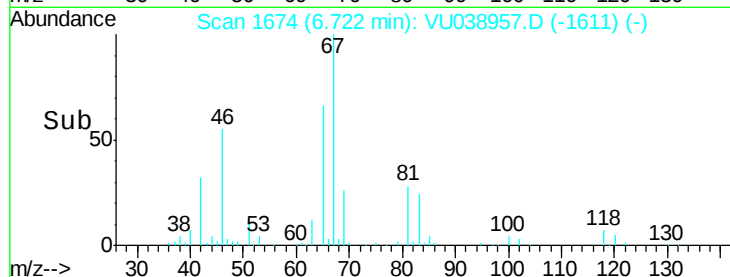
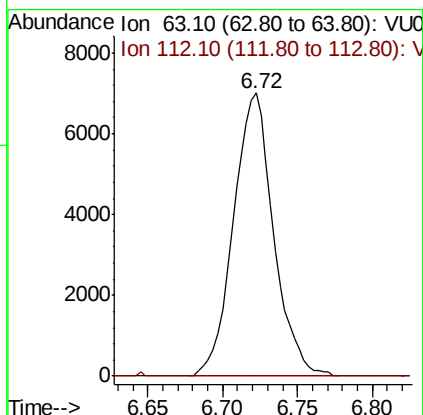
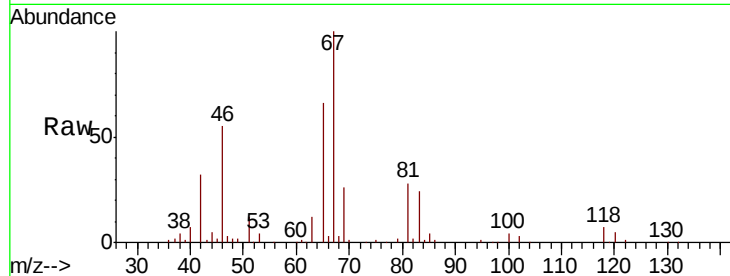




#37
 1,2-Dichloropropane
 Concen: 0.652 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038957.D
 Acq: 17 Jun 2020 20:21

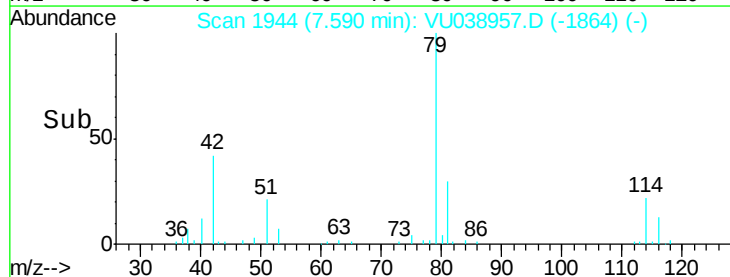
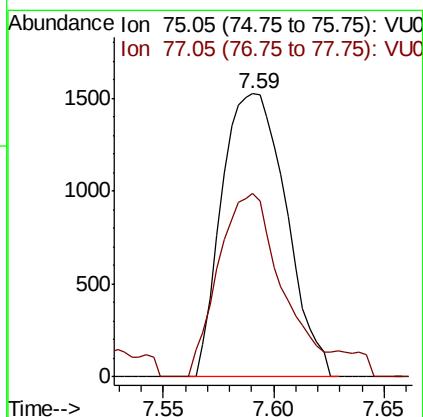
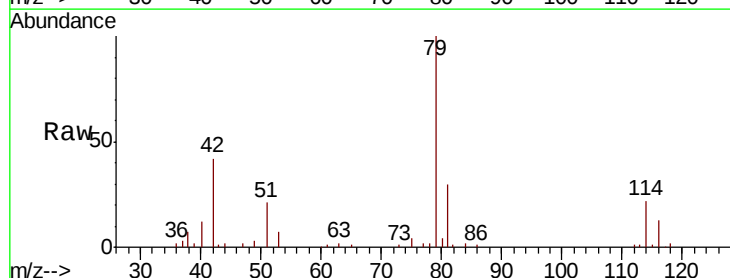
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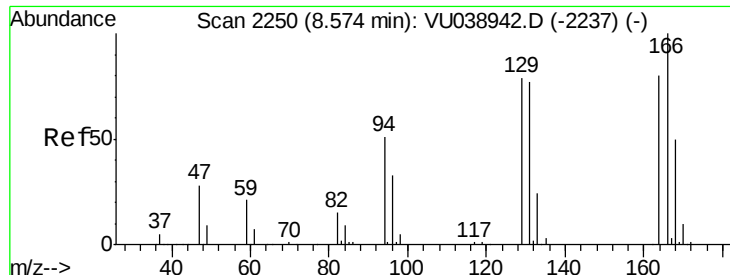
Tot Ion: 63 Resp: 13052
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.9 5.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038957.D
 Acq: 17 Jun 2020 20:21

Tgt Ion: 75 Resp: 3075
 Ion Ratio Lower Upper
 75 100
 77 65.0 22.4 41.6#

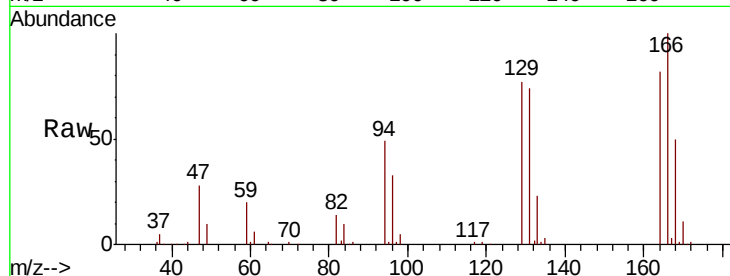




#47
Tetrachloroethene
Concen: 7.729 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038957.D
Acq: 17 Jun 2020 20:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
129	94.4	66.1	122.8
131	90.4	65.7	122.1
166	122.1	93.0	172.8

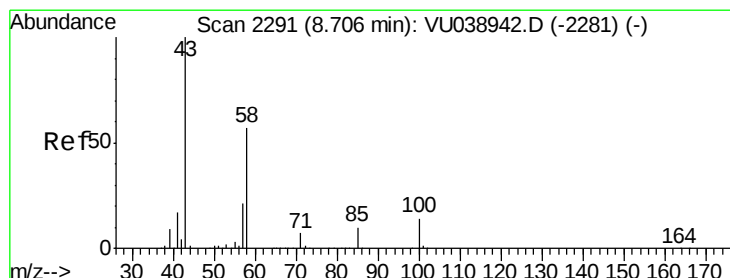
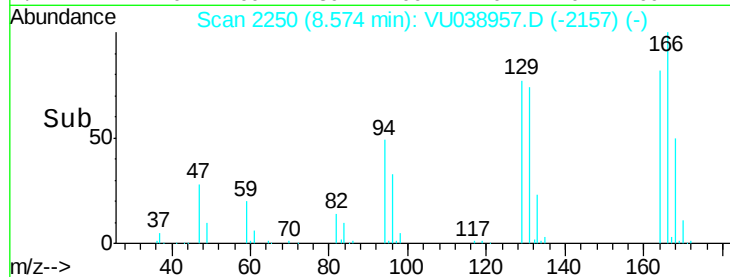
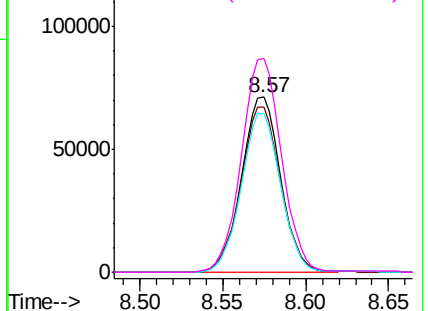


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

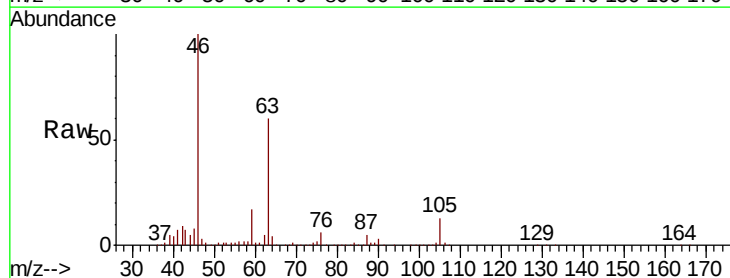
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48
2-Hexanone
Concen: 3.878 ug/L
RT: 8.66 min Scan# 2276
Delta R.T. -0.05 min
Lab File: VU038957.D
Acq: 17 Jun 2020 20:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.4	45.2	67.8#
57	25.7	16.1	24.1#
100	1.2	10.9	16.3#

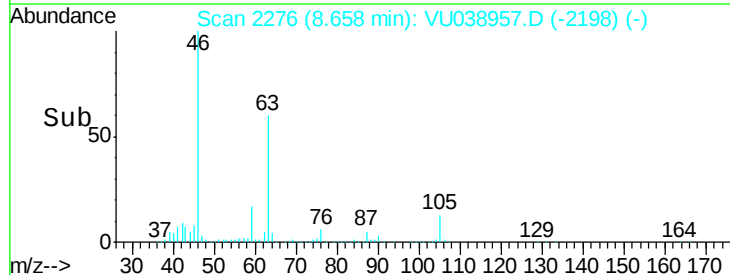
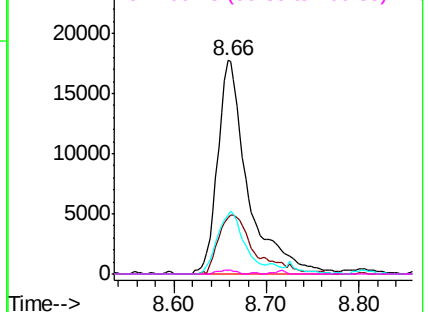


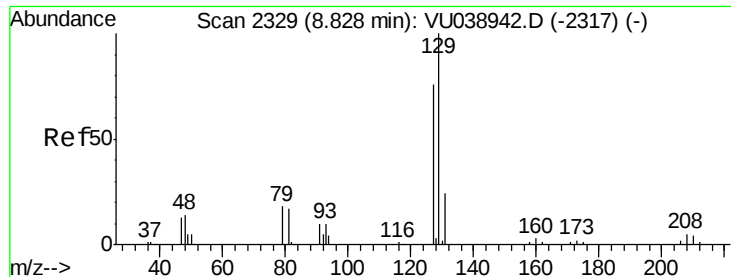
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

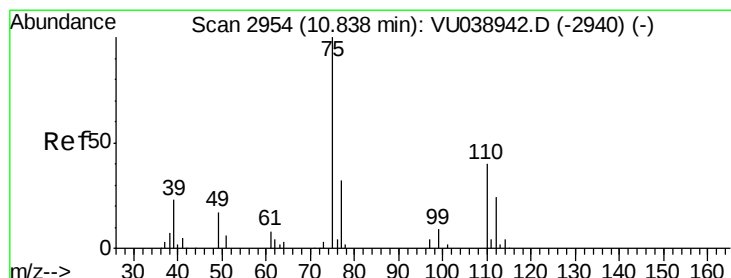
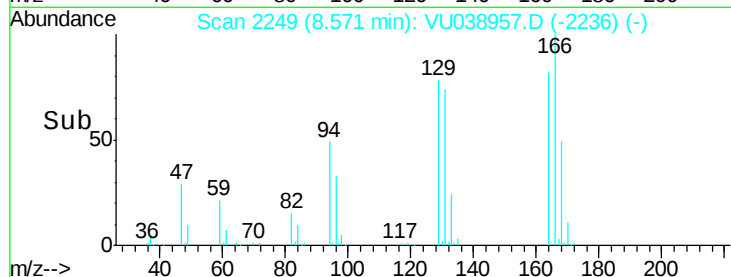
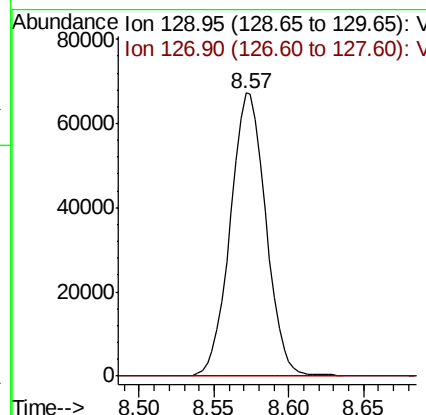
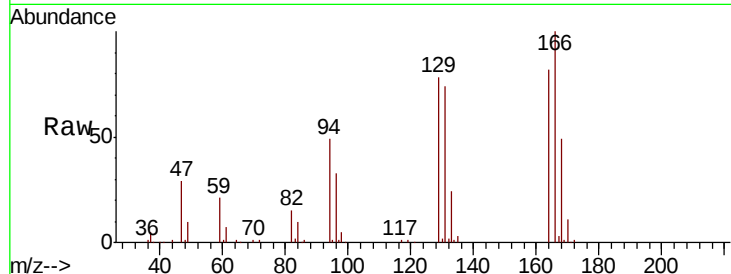




#49
Dibromochloromethane
Concen: 6.197 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU038957.D
Acq: 17 Jun 2020 20:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 110231
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#



#59
1,2,3-Trichloropropane
Concen: 0.937 ug/L
RT: 11.82 min Scan# 3260
Delta R.T. 0.98 min
Lab File: VU038957.D
Acq: 17 Jun 2020 20:21

Tgt Ion: 75 Resp: 14455
Ion Ratio Lower Upper
75 100
77 41.6 25.4 38.0#

