

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U061720\
 Data File : VU038953.D
 Acq On : 17 Jun 2020 18:49
 Operator : SY/MD
 Sample : L3040-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L22

Quant Time: Jun 18 04:11:17 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	6.29	114	276573	5.00	ug/L	0.01
28) Chlorobenzene-d5	9.44	117	274220	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	132441	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	85443	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.93	69	77029	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.59	63	192315	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	4.76	46	291350	47.42	ug/L	0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.84%
24) Chloroform-d	5.11	84	191223	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.76	65	112348	5.11	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.77	84	363475	5.07	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.73	67	111841	5.05	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.93	98	291656	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	8.21	79	46587	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.67	63	266208	49.77	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.54%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103591	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	124864	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

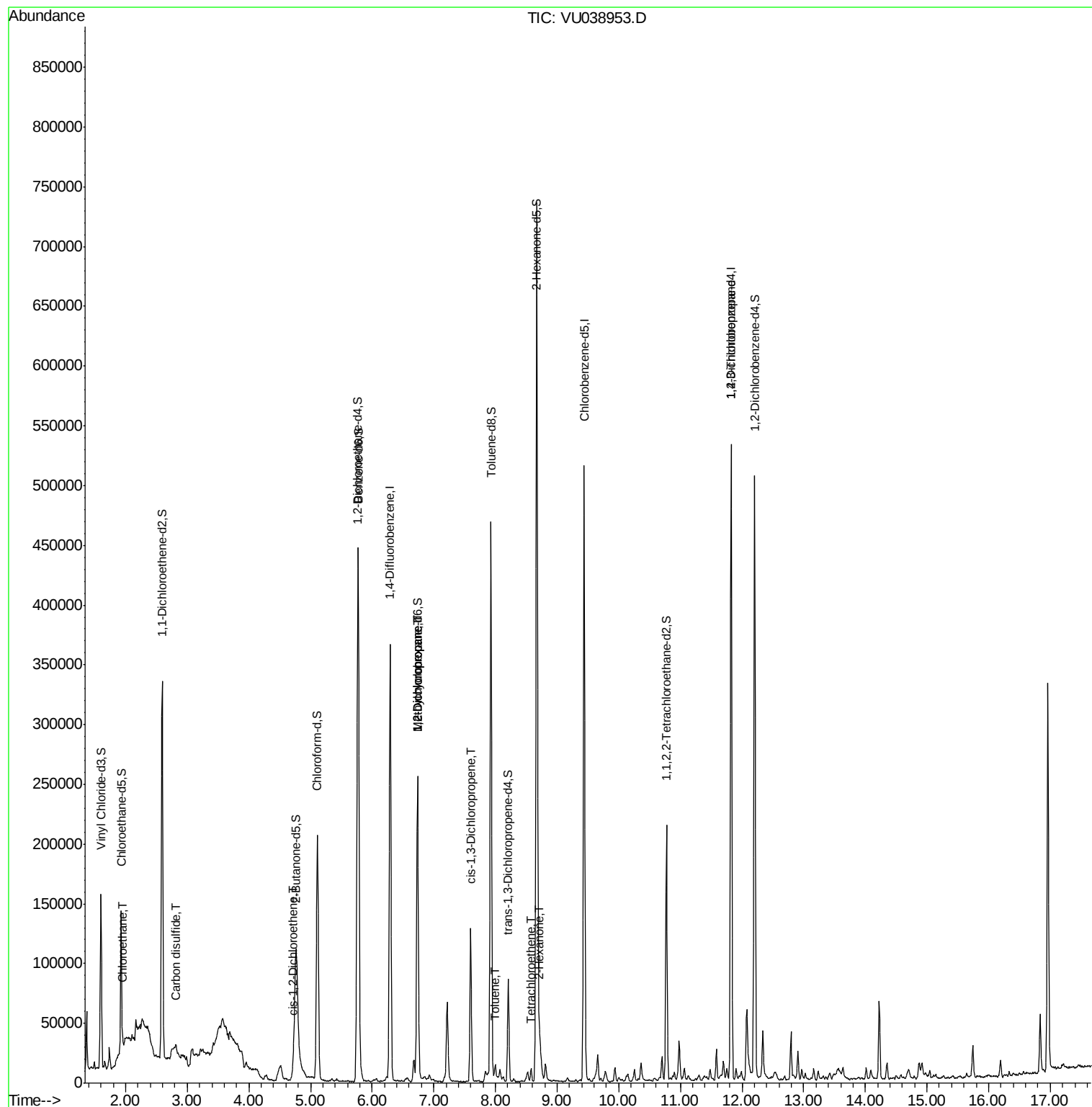
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	74895	4.542	ug/L #	55
14) Carbon disulfide	2.82	76	7557	0.115	ug/L #	85
22) cis-1,2-Dichloroethene	4.71	96	2049	0.098	ug/L	95
35) Methylcyclohexane	6.73	83	28662	0.870	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12796	0.598	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	3513	0.112	ug/L #	54
42) Toluene	8.00	91	9154	0.108	ug/L	100
47) Tetrachloroethene	8.58	164	1881	0.117	ug/L	90
48) 2-Hexanone	8.72	43	10226	0.916	ug/L #	74
59) 1,2,3-Trichloropropane	11.82	75	16645	1.009	ug/L #	83

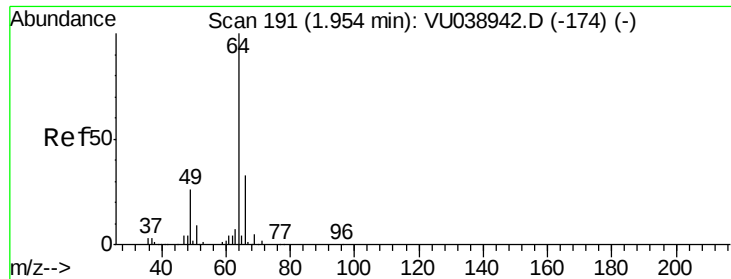
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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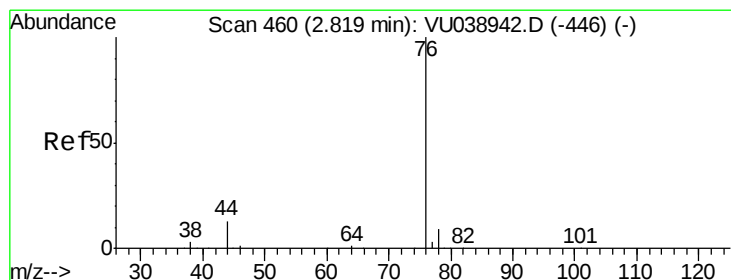
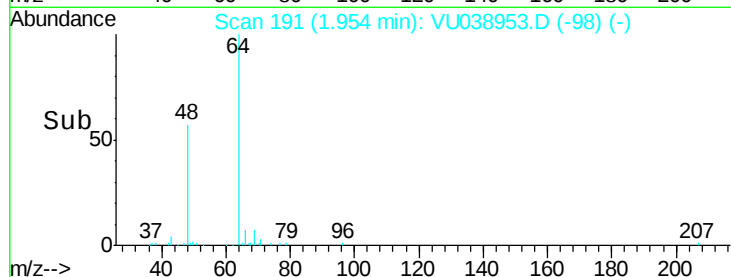
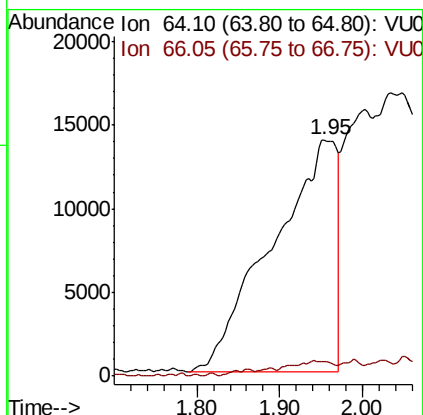
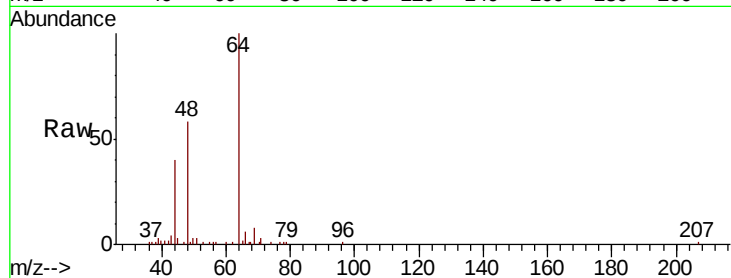




#8
Chloroethane
Concen: 4.542 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038953.D
Acq: 17 Jun 2020 18:49

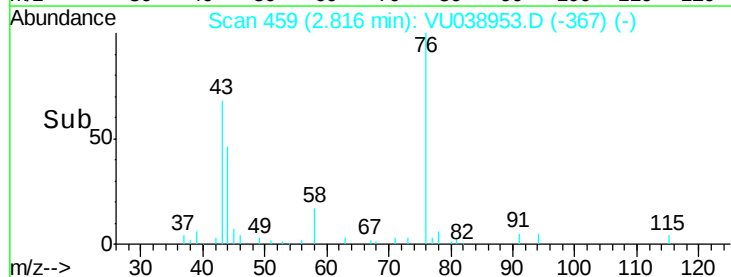
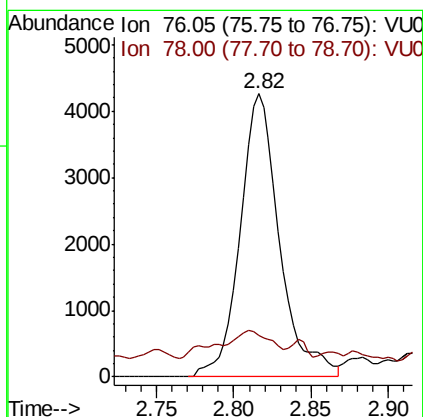
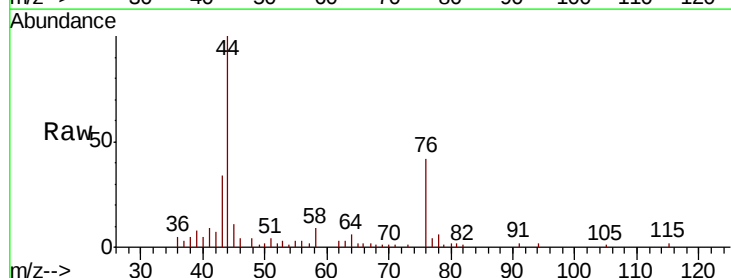
Instrument :
MSVOA_U
ClientSampled :
F9L22

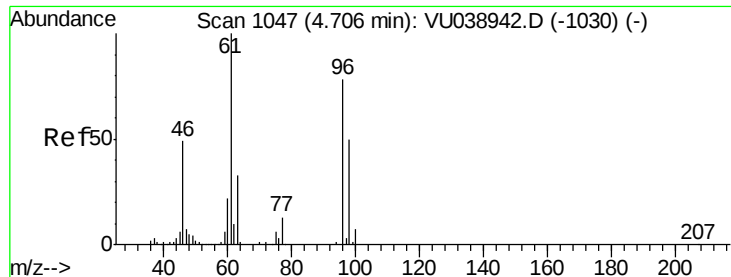
Tot Ion: 64 Resp: 74895
Ion Ratio Lower Upper
64 100
66 6.4 22.1 41.1#



#14
Carbon disulfide
Concen: 0.115 ug/L
RT: 2.82 min Scan# 459
Delta R.T. -0.00 min
Lab File: VU038953.D
Acq: 17 Jun 2020 18:49

Tgt Ion: 76 Resp: 7557
Ion Ratio Lower Upper
76 100
78 14.7 7.4 11.0#





#22

cis-1,2-Dichloroethene

Concen: 0.098 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038953.D

Acq: 17 Jun 2020 18:49

Instrument :

MSVOA_U

ClientSampleId :

F9L22

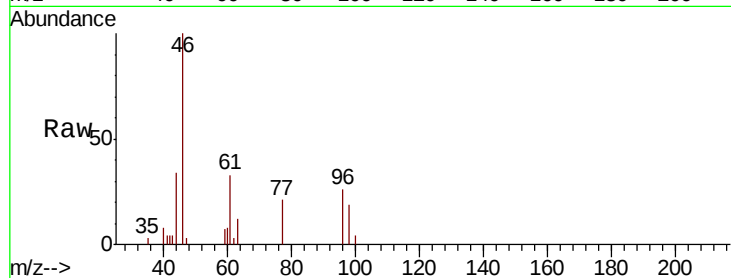
Tot Ion: 96 Resp: 2049

Ion Ratio Lower Upper

96 100

61 128.3 93.7 173.9

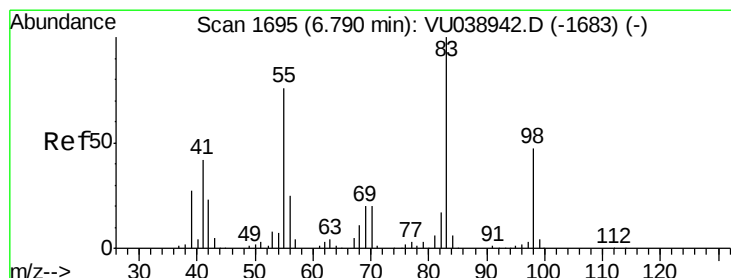
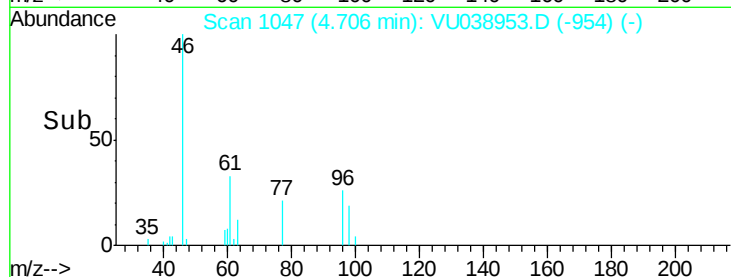
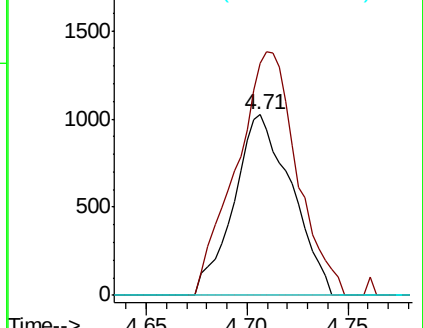
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038953.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038953.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038953.D (-954) (-)



#35

Methylcyclohexane

Concen: 0.870 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.06 min

Lab File: VU038953.D

Acq: 17 Jun 2020 18:49

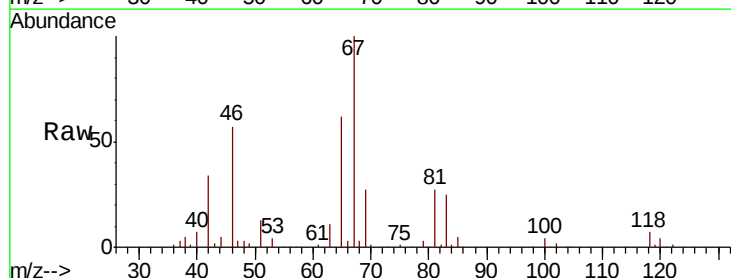
Tgt Ion: 83 Resp: 28662

Ion Ratio Lower Upper

83 100

55 1.0 61.8 92.8#

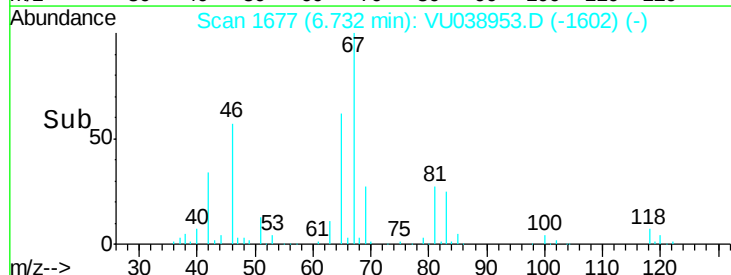
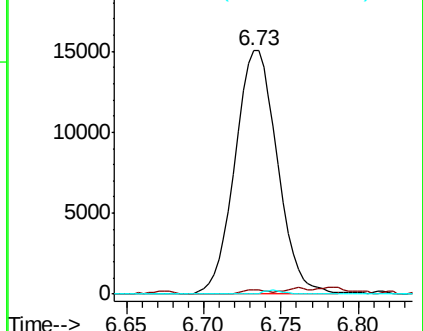
98 0.7 39.3 58.9#

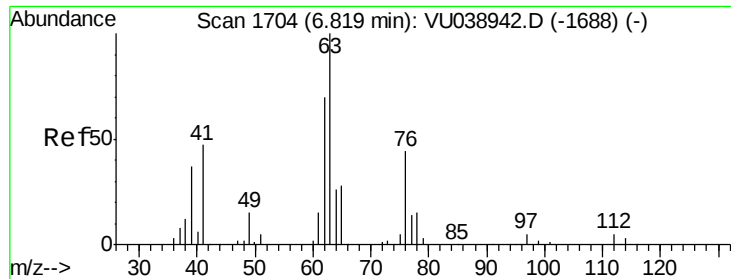


Abundance Ion 83.15 (82.85 to 83.85): VU038953.D (-1602) (-)

Ion 55.10 (54.80 to 55.80): VU038953.D (-1602) (-)

Ion 98.15 (97.85 to 98.85): VU038953.D (-1602) (-)

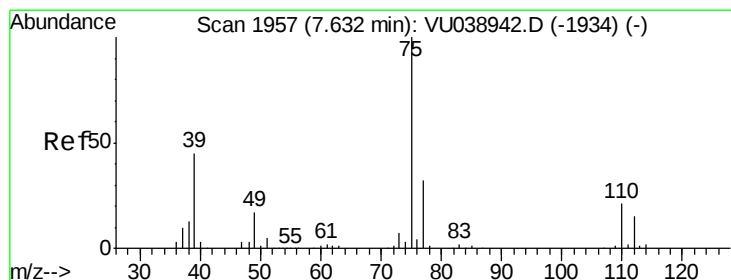
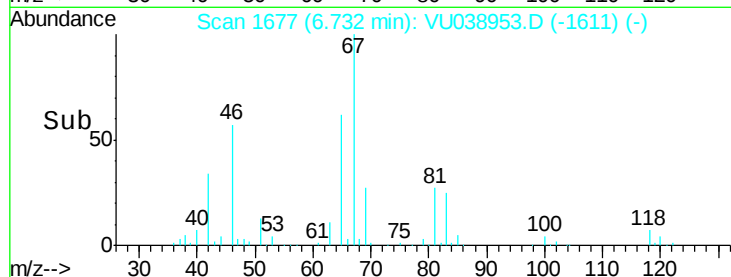
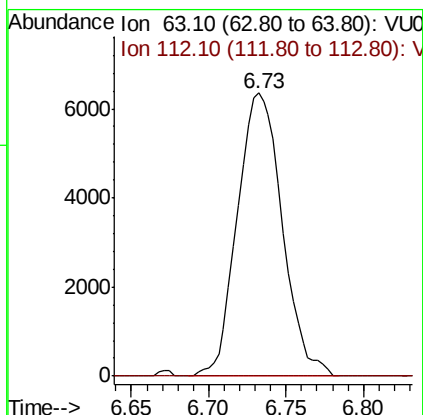
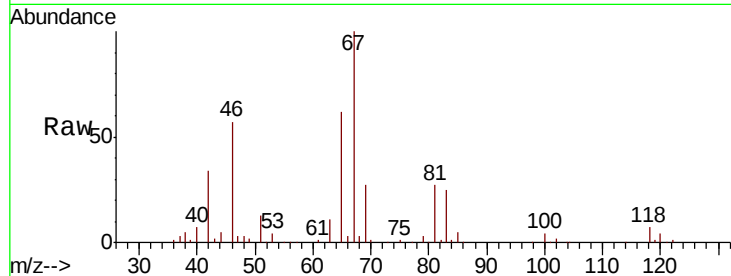




#37
 1,2-Dichloropropane
 Concen: 0.598 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.09 min
 Lab File: VU038953.D
 Acq: 17 Jun 2020 18:49

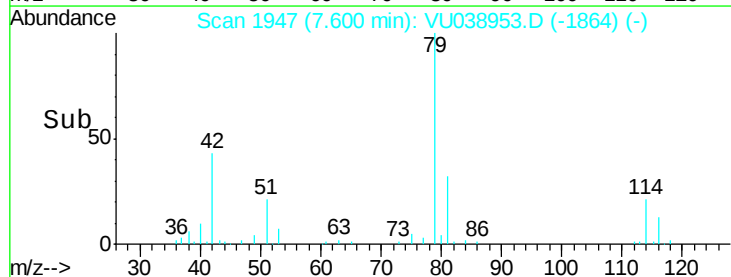
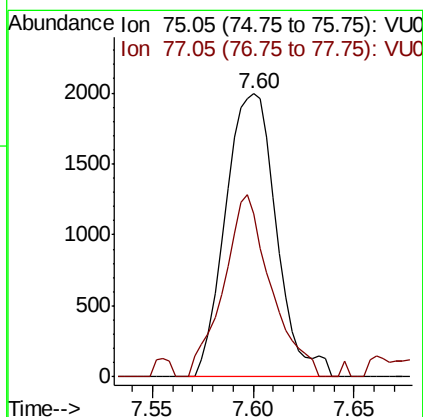
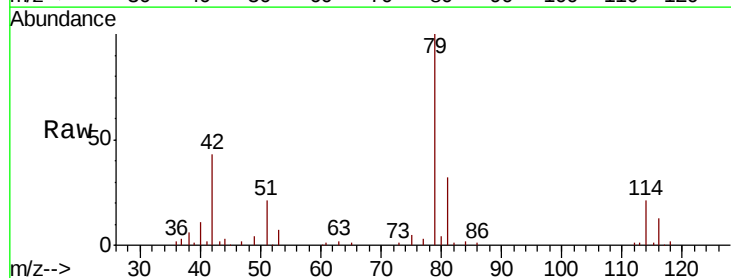
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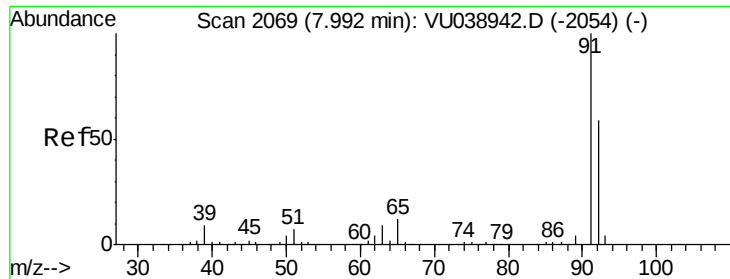
Tot Ion: 63 Resp: 12796
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.9 5.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.03 min
 Lab File: VU038953.D
 Acq: 17 Jun 2020 18:49

Tgt Ion: 75 Resp: 3513
 Ion Ratio Lower Upper
 75 100
 77 57.6 22.4 41.6#





#42

Toluene

Concen: 0.108 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038953.D

Acq: 17 Jun 2020 18:49

Instrument :

MSVOA_U

ClientSampleId :

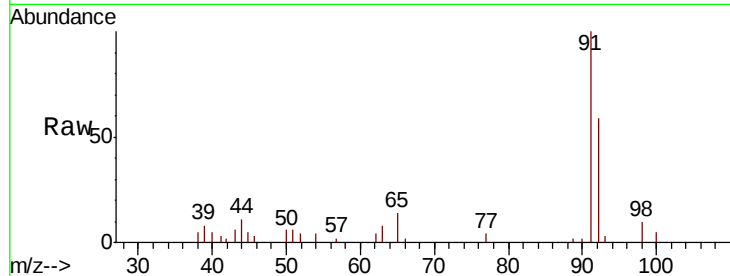
F9L22

Tot Ion: 91 Resp: 9154

Ion Ratio Lower Upper

91 100

92 59.2 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VU038942.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038942.D (-2054) (-)

8.00

6000

5000

4000

3000

2000

1000

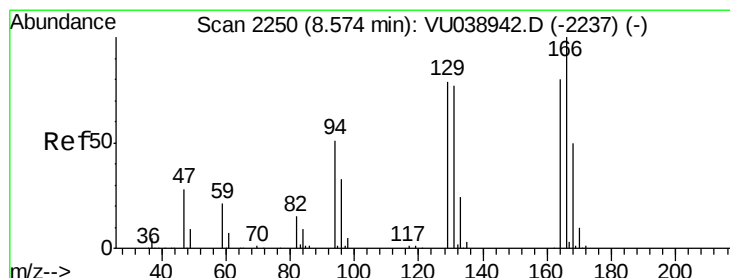
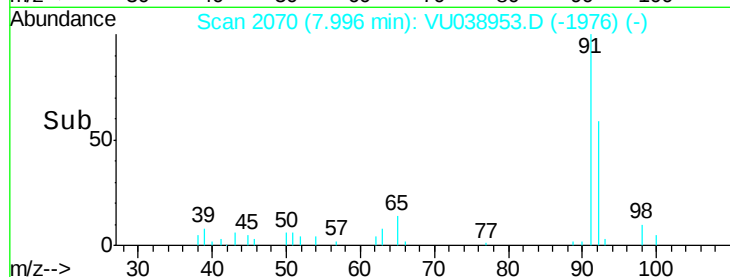
0

7.95

8.00

8.05

Time-->



#47

Tetrachloroethene

Concen: 0.117 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU038953.D

Acq: 17 Jun 2020 18:49

Tgt Ion: 164 Resp: 1881

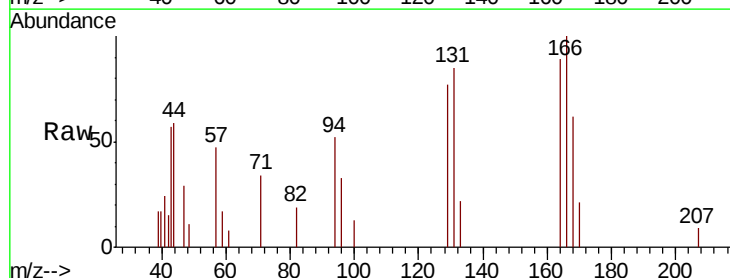
Ion Ratio Lower Upper

164 100

129 86.9 66.1 122.8

131 96.0 65.7 122.1

166 112.9 93.0 172.8



Abundance Ion 163.90 (163.60 to 164.60): VU038942.D (-2237) (-)

Ion 128.95 (128.65 to 129.65): VU038942.D (-2237) (-)

Ion 130.95 (130.65 to 131.65): VU038942.D (-2237) (-)

Ion 165.90 (165.60 to 166.60): VU038942.D (-2237) (-)

2000

1500

1000

500

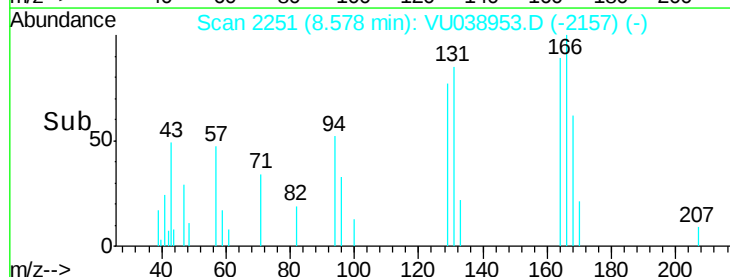
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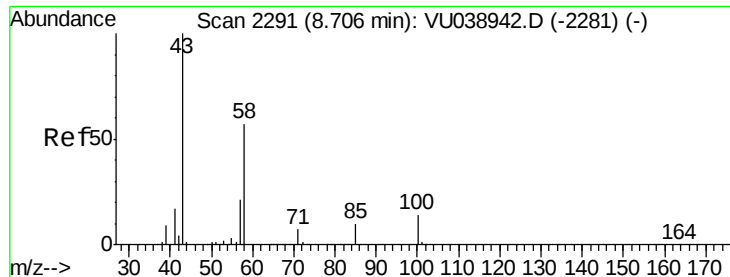
8.55

8.58

8.60

Time-->

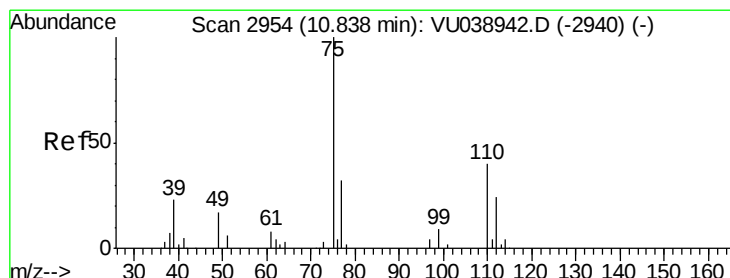
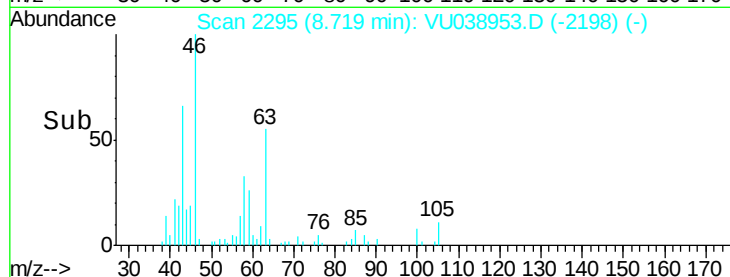
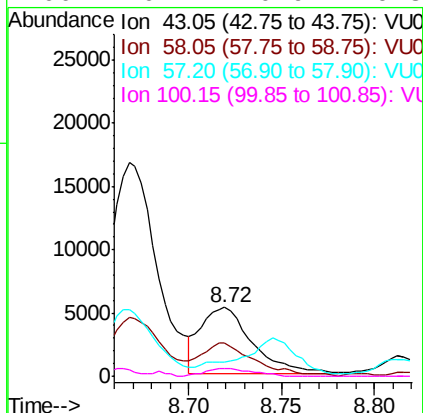
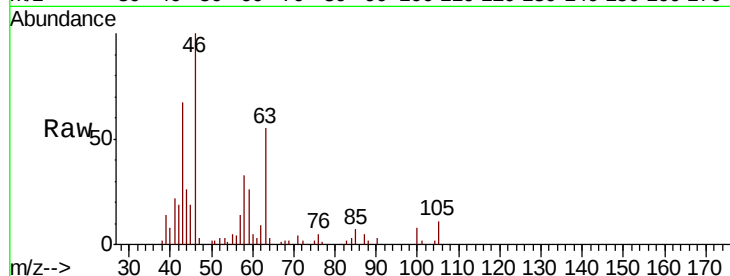




#48
2-Hexanone
Concen: 0.916 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU038953.D
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Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	45.2	67.8
57	66.3	16.1	24.1#
100	10.7	10.9	16.3#



#59
1,2,3-Trichloropropane
Concen: 1.009 ug/L
RT: 11.82 min Scan# 3260
Delta R.T. 0.98 min
Lab File: VU038953.D
Acq: 17 Jun 2020 18:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	40.9	25.4	38.0#

