

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\
 Data File : VU038062.D
 Acq On : 08 May 2020 01:06
 Operator : JC/MD
 Sample : L2528-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 08 04:59:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 04:55:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	375003	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	369882	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	173394	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	147332	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.93	69	124243	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.59	63	182183	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.66	46	366238	43.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.56%
24) Chloroform-d	5.10	84	215224	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.74	65	128573	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.76	84	493881	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.72	67	158566	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.92	98	437540	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.20	79	56219	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.65	63	297638	43.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	116243	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	151297	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	2137	0.082	ug/L #	1
13) Acetone	2.65	43	24811	4.673	ug/L	97
19) 1,1-Dichloroethane	3.91	63	7182	0.129	ug/L	98
21) 2-Butanone	4.84	43	352604	37.623	ug/L #	48
22) cis-1,2-Dichloroethene	4.71	96	25309	0.827	ug/L	98
25) Chloroform	5.12	83	9616	0.186	ug/L	99
33) Benzene	5.81	78	52235	0.441	ug/L	100
34) Trichloroethene	6.57	95	863183	29.137	ug/L	99
35) Methylcyclohexane	6.72	83	36228	0.755	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	17317	0.538	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	4016	0.087	ug/L #	71
45) 1,1,2-Trichloroethane	8.57	97	12885	0.577	ug/L #	1
47) Tetrachloroethene	8.57	164	1471888	71.032	ug/L	99
48) 2-Hexanone	8.71	43	28815	1.765	ug/L #	94
49) Dibromochloromethane	8.57	129	1419085	61.203	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	24313	1.126	ug/L	96

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Instrument :
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ClientSampleId :

Quant Time: May 08 04:59:35 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:55:51 2020
Response via : Initial Calibration

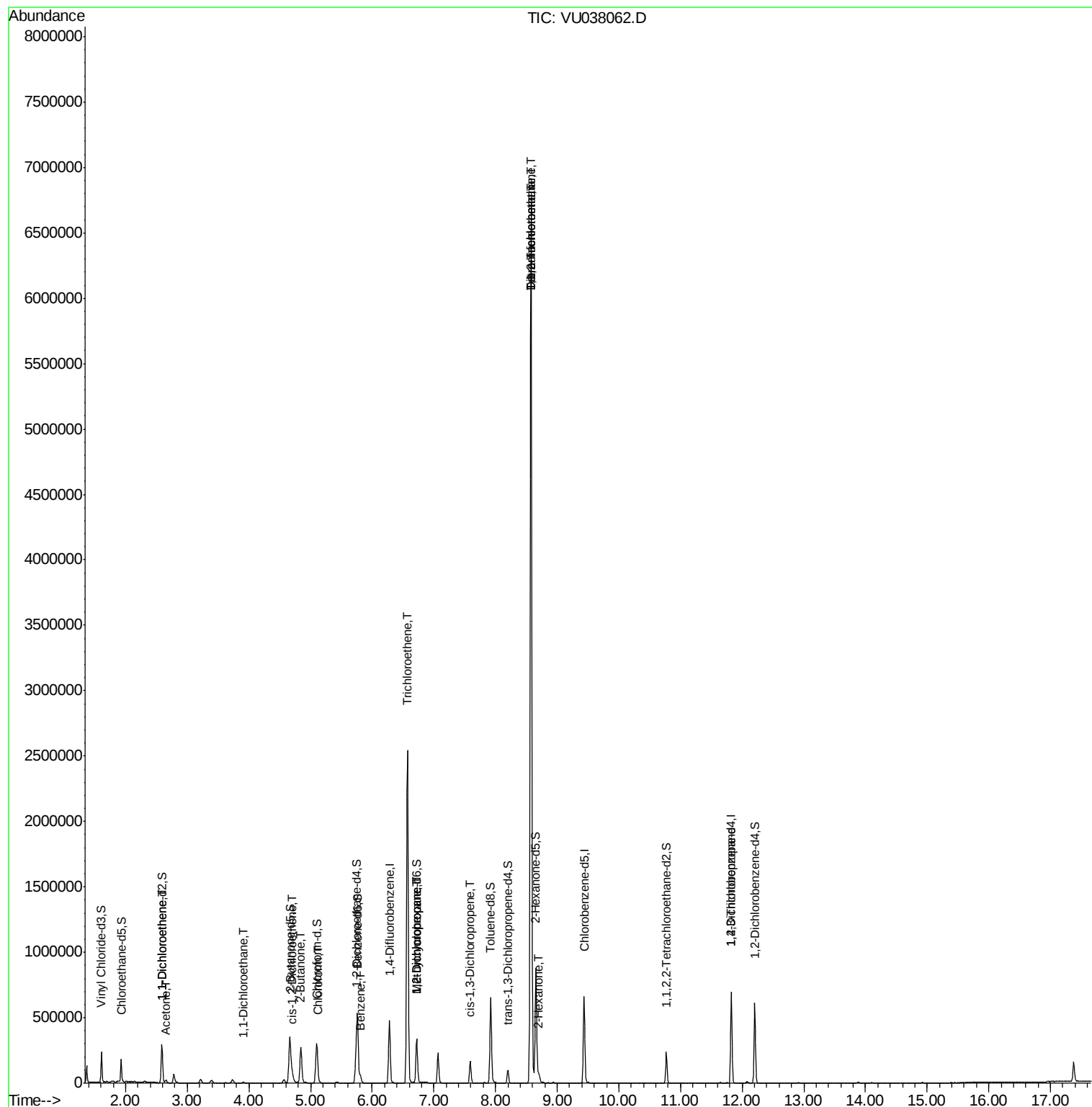
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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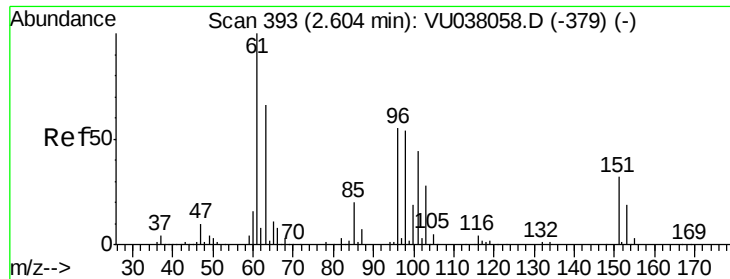
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.082 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU038062.D

Acq: 08 May 2020 01:06

Instrument :

MSVOA_U

ClientSampled :

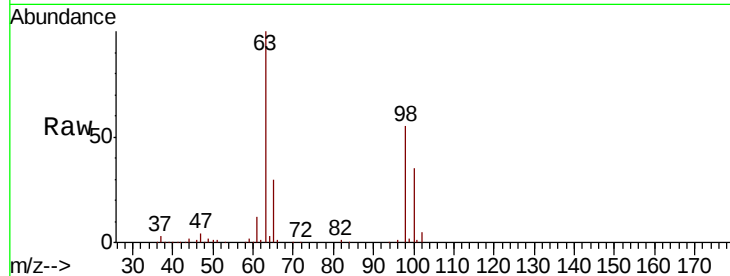
Tot Ion: 96 Resp: 2137

Ion Ratio Lower Upper

96 100

61 1258.9 126.2 234.4#

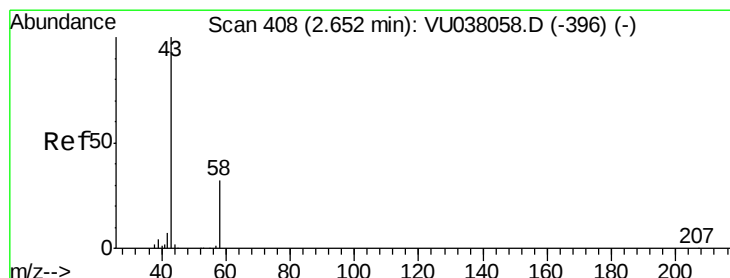
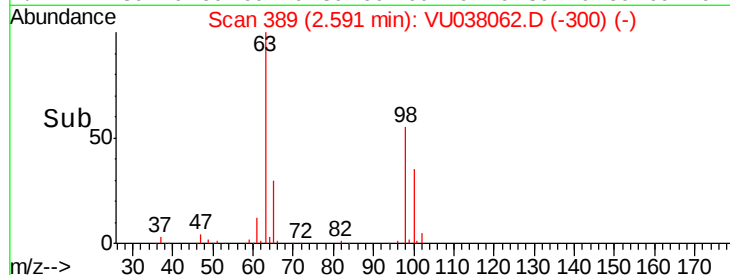
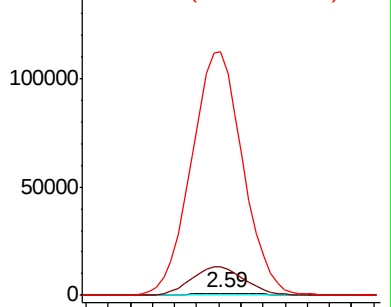
63 10697.6 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038062.D (-389) (-)

Ion 61.05 (60.75 to 61.75): VU038062.D (-389) (-)

Ion 63.00 (62.70 to 63.70): VU038062.D (-389) (-)



#13

Acetone

Concen: 4.673 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU038062.D

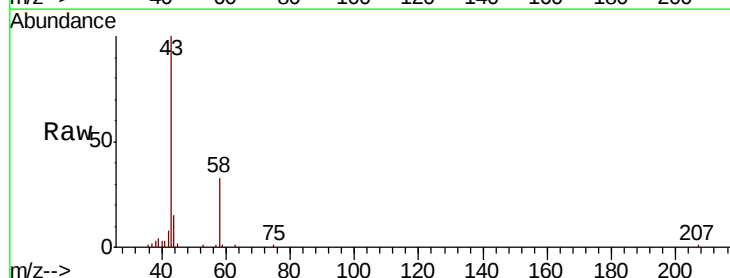
Acq: 08 May 2020 01:06

Tgt Ion: 43 Resp: 24811

Ion Ratio Lower Upper

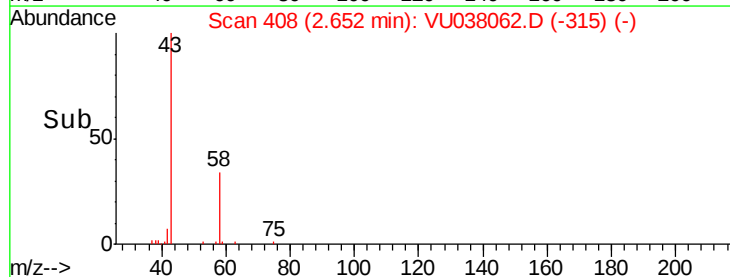
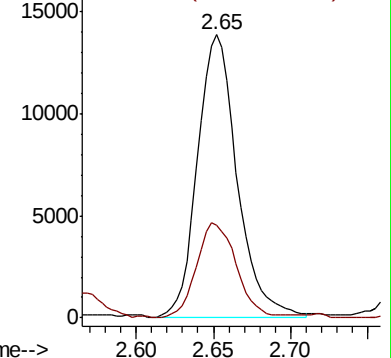
43 100

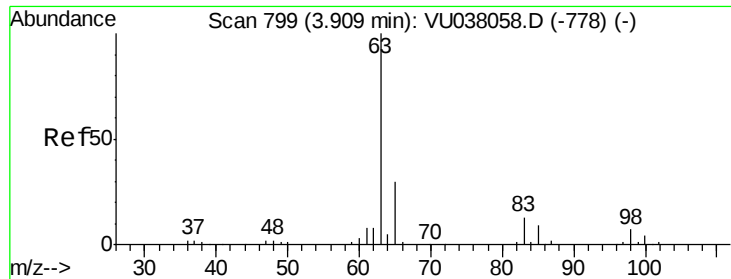
58 33.4 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038062.D (-408) (-)

Ion 58.05 (57.75 to 58.75): VU038062.D (-408) (-)

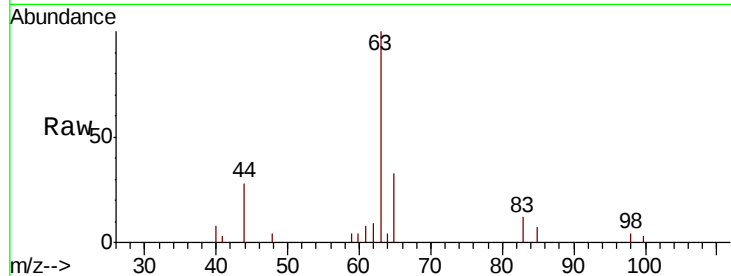




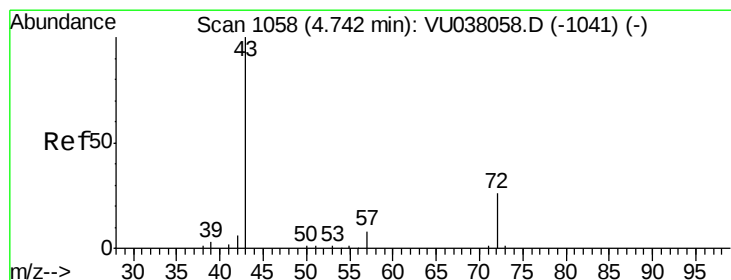
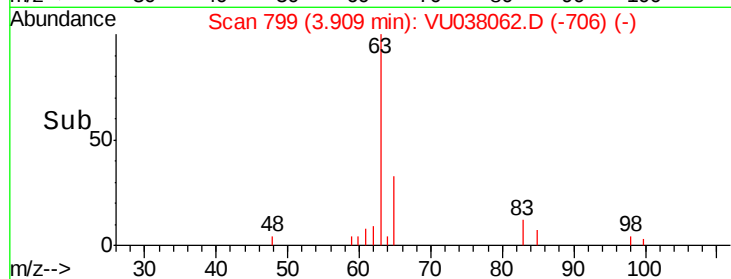
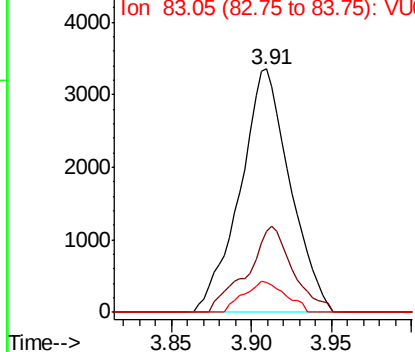
#19
 1,1-Dichloroethane
 Concen: 0.129 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038062.D
 Acq: 08 May 2020 01:06

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 7182
 Ion Ratio Lower Upper
 63 100
 65 33.4 22.5 41.7
 83 12.4 8.9 16.5

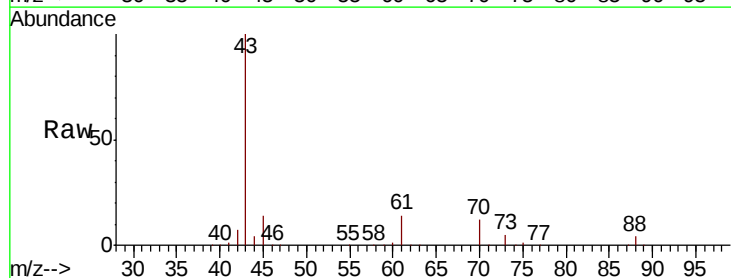


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

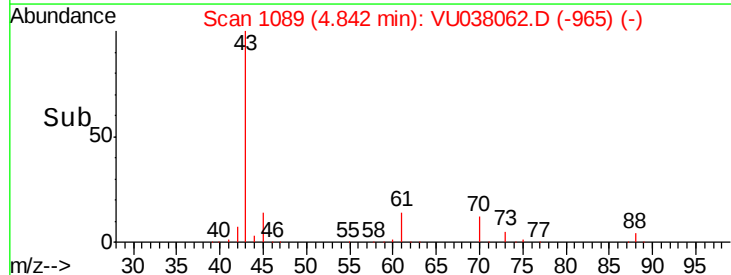
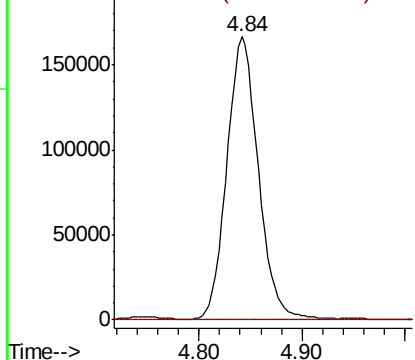


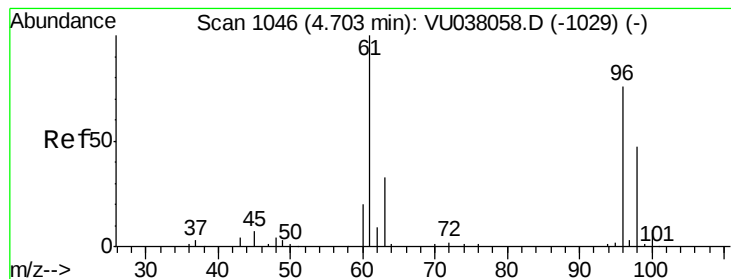
#21
 2-Butanone
 Concen: 37.623 ug/L
 RT: 4.84 min Scan# 1089
 Delta R.T. 0.10 min
 Lab File: VU038062.D
 Acq: 08 May 2020 01:06

Tgt Ion: 43 Resp: 352604
 Ion Ratio Lower Upper
 43 100
 72 0.0 13.5 40.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.827 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038062.D

Acq: 08 May 2020 01:06

Instrument :

MSVOA_U

ClientSampled :

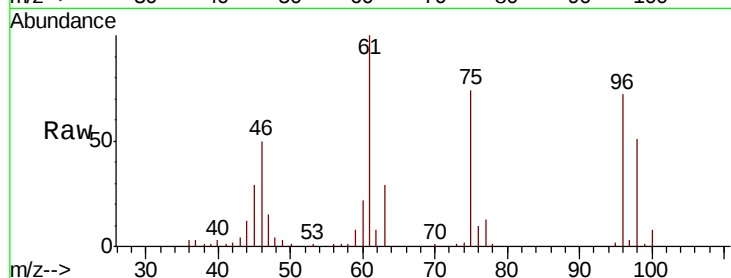
Tot Ion: 96 Resp: 25309

Ion Ratio Lower Upper

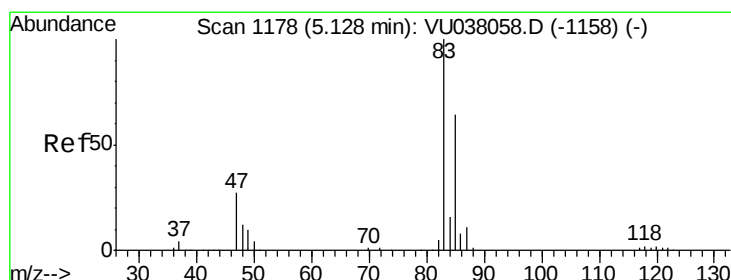
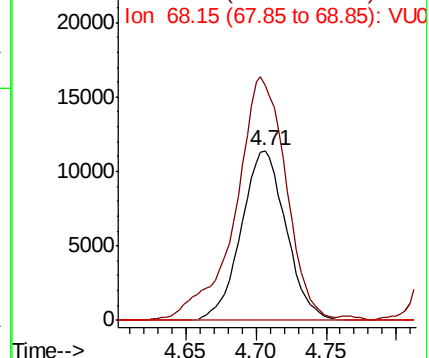
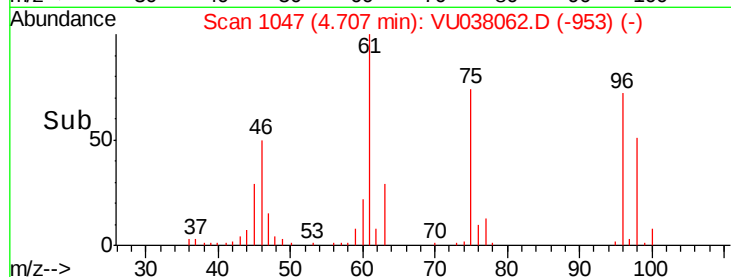
96 100

61 138.2 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038062.D (-953) (-)



#25

Chloroform

Concen: 0.186 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038062.D

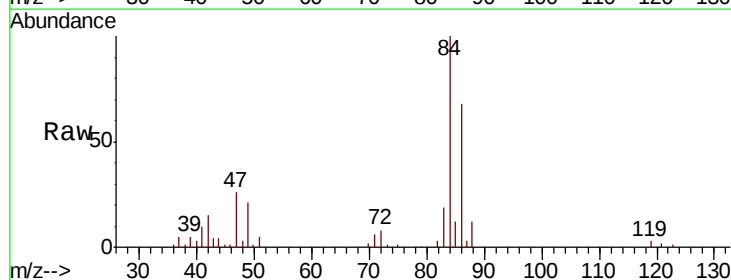
Acq: 08 May 2020 01:06

Tgt Ion: 83 Resp: 9616

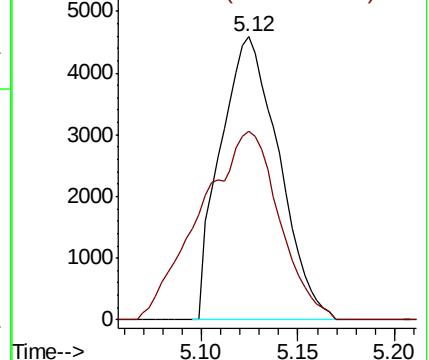
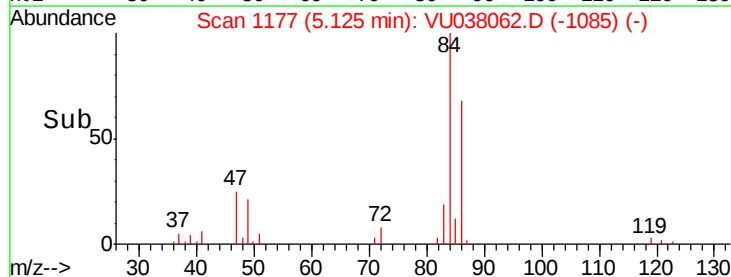
Ion Ratio Lower Upper

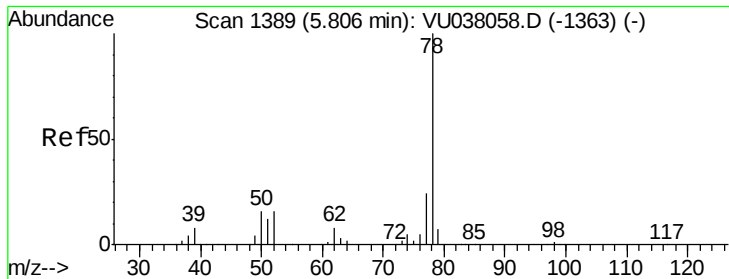
83 100

85 66.6 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VU038062.D (-1085) (-)





#33

Benzene

Concen: 0.441 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038062.D

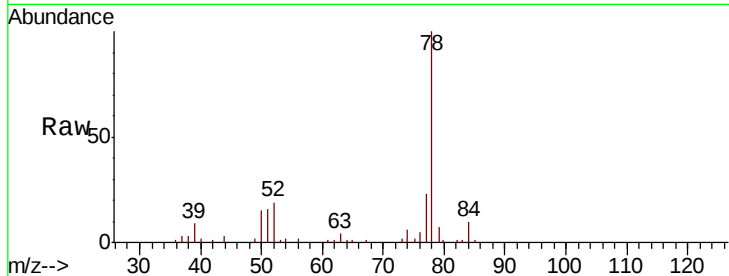
Acq: 08 May 2020 01:06

Instrument :

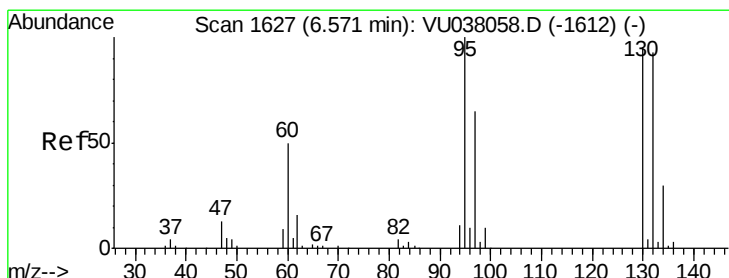
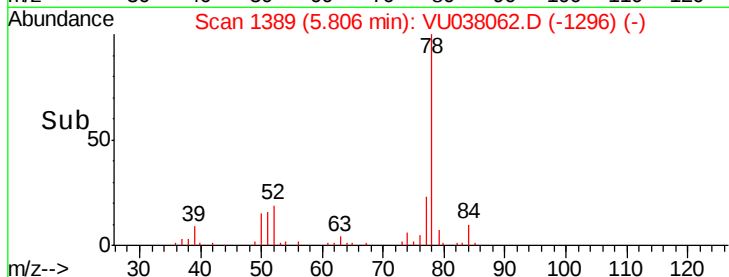
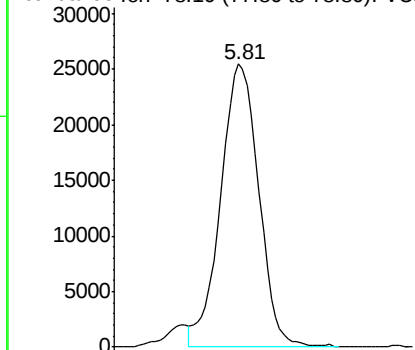
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 52235



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 29.137 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038062.D

Acq: 08 May 2020 01:06

Tgt Ion: 95 Resp: 863183

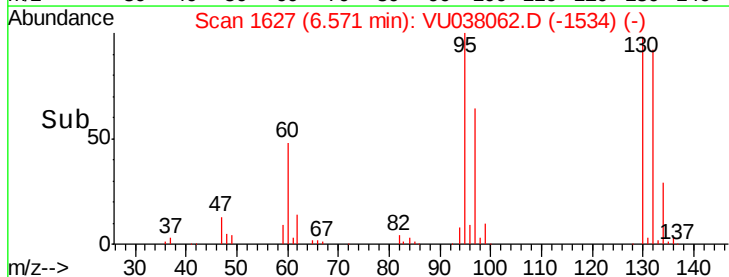
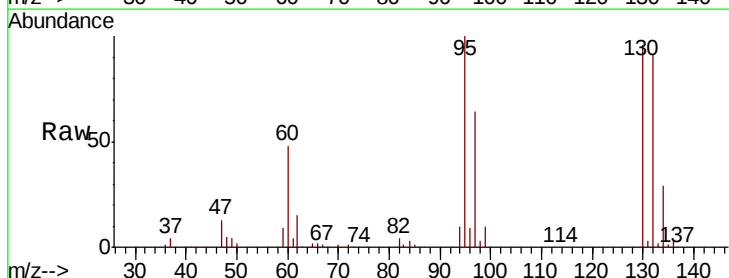
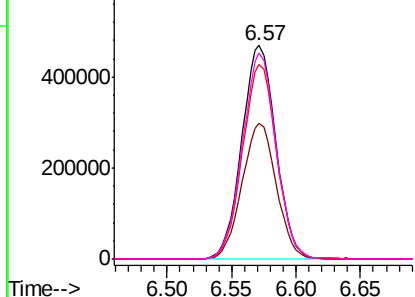
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.9	83.3
132	91.1	63.3	117.5
130	96.4	65.7	122.1

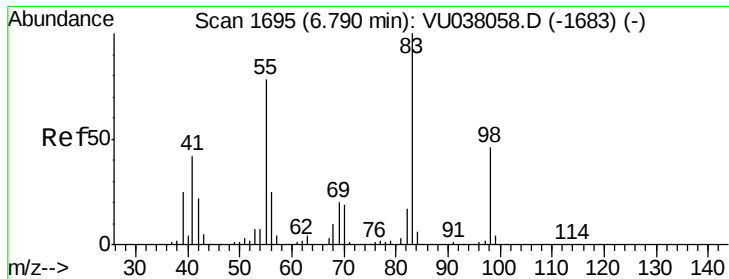
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

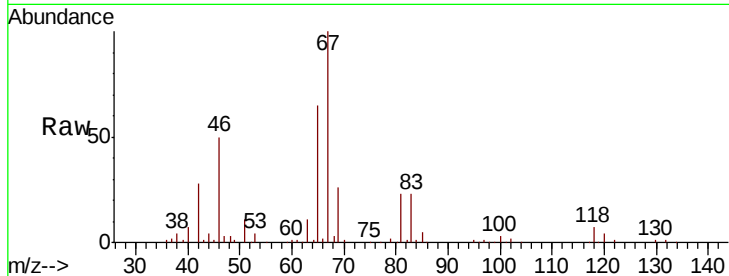




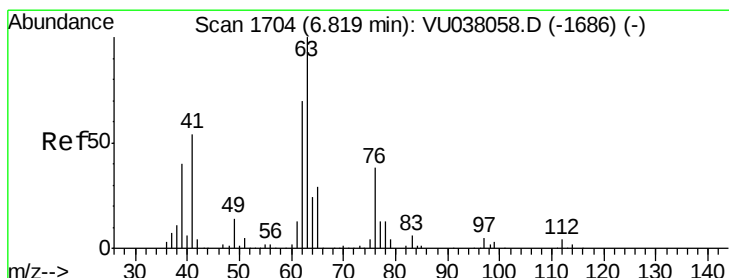
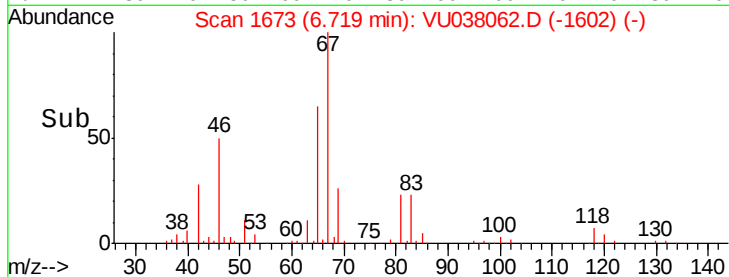
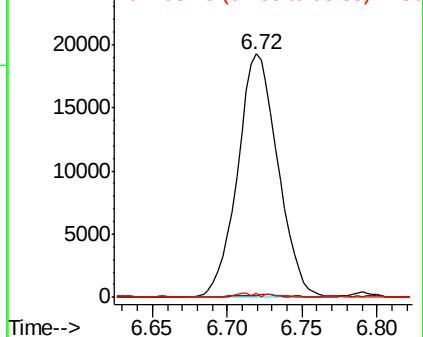
#35
Methvlcvclohexane
Concen: 0.755 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038062.D
Acq: 08 May 2020 01:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 36228
Ion Ratio Lower Upper
83 100
55 0.6 66.7 100.1#
98 0.0 39.4 59.2#

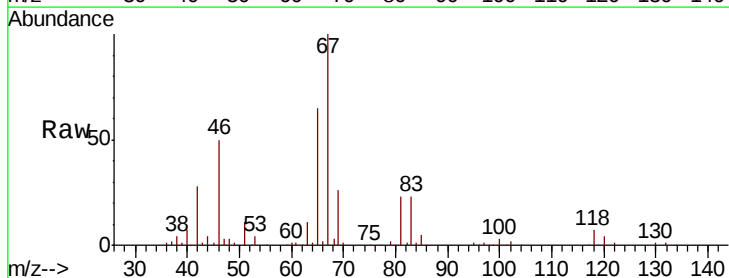


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

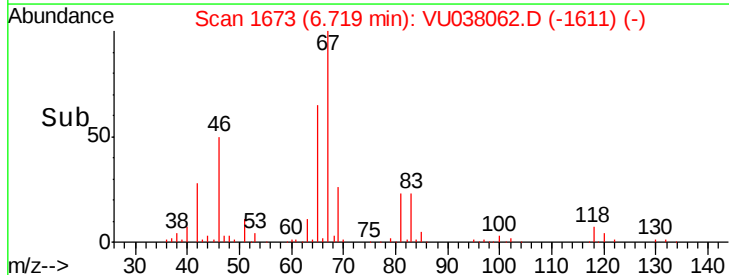
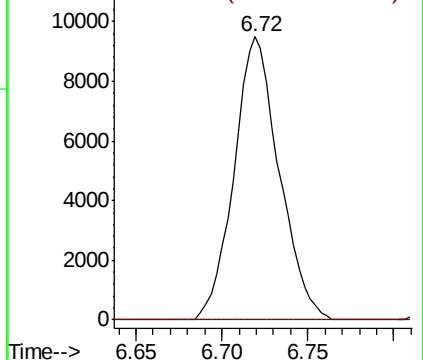


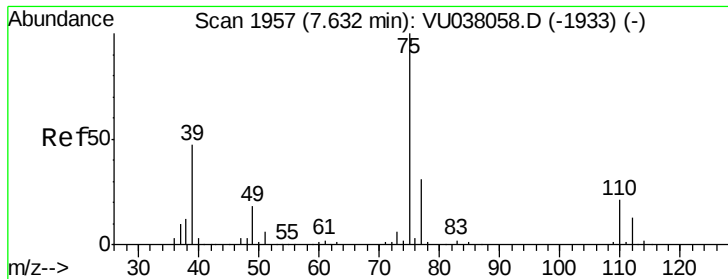
#37
1,2-Dichloropropane
Concen: 0.538 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038062.D
Acq: 08 May 2020 01:06

Tgt Ion: 63 Resp: 17317
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



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

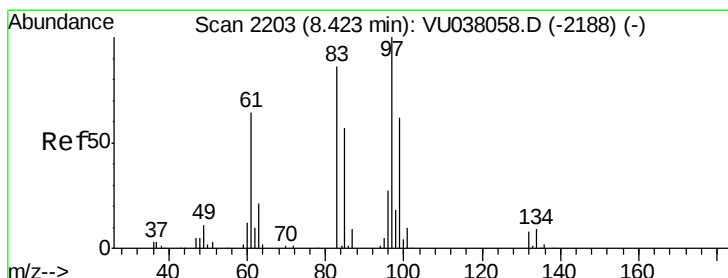
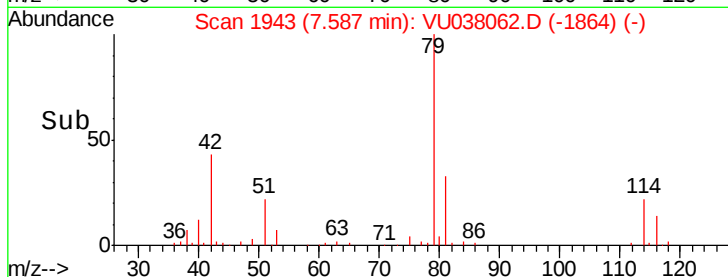
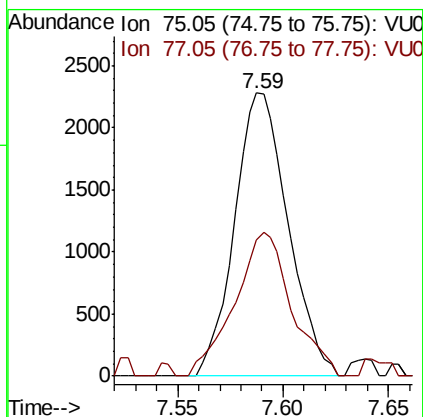
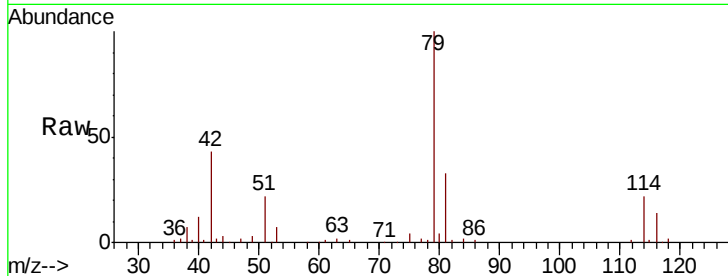




#39
 cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.04 min
 Lab File: VU038062.D
 Acq: 08 May 2020 01:06

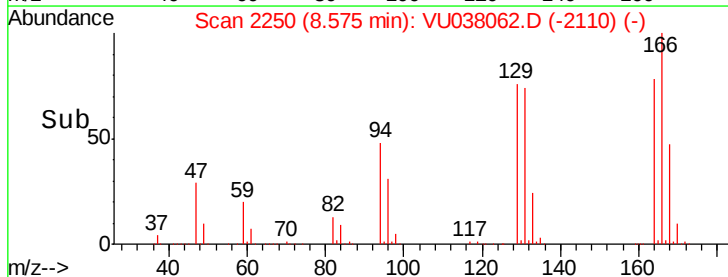
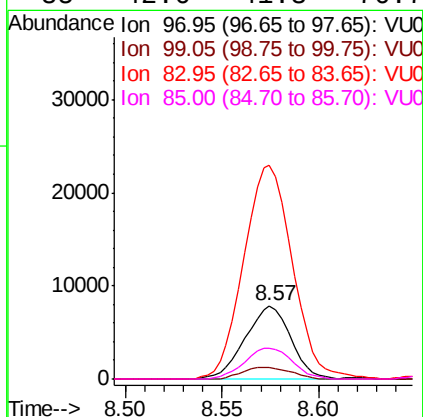
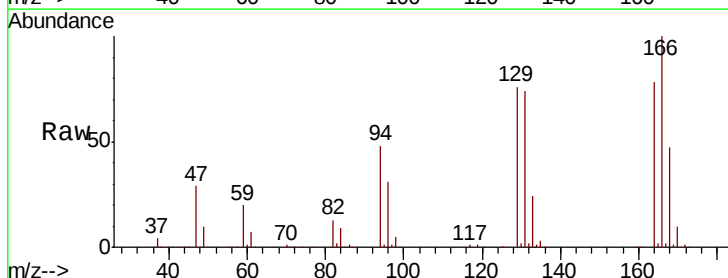
Instrument :
 MSVOA_U
 ClientSampled :

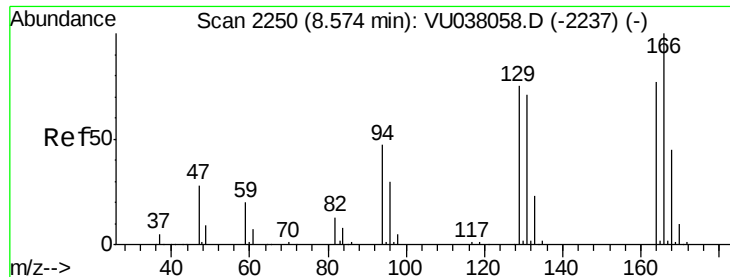
Tot Ion: 75 Resp: 4016
 Ion Ratio Lower Upper
 75 100
 77 48.0 22.4 41.6#



#45
 1,1,2-Trichloroethane
 Concen: 0.577 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.15 min
 Lab File: VU038062.D
 Acq: 08 May 2020 01:06

Tgt Ion: 97 Resp: 12885
 Ion Ratio Lower Upper
 97 100
 99 15.2 44.0 81.6#
 83 290.4 59.6 110.8#
 85 42.6 41.3 76.7





#47

Tetrachloroethene

Concen: 71.032 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038062.D

Acq: 08 May 2020 01:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 1471888

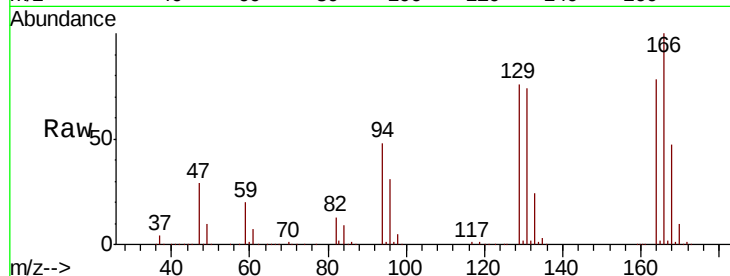
Ion Ratio Lower Upper

164 100

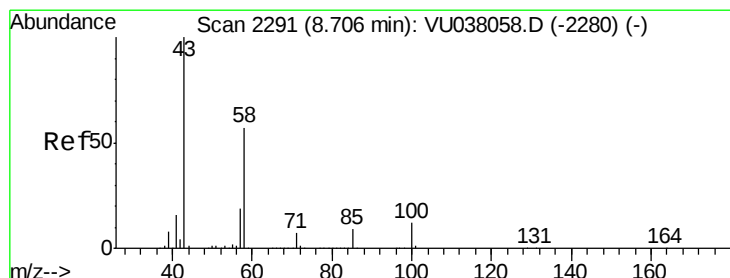
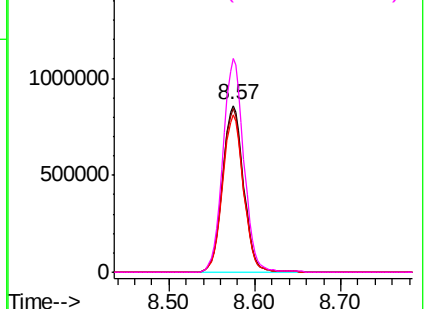
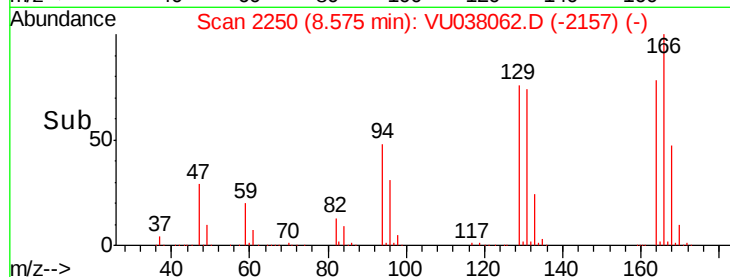
129 97.8 68.8 127.8

131 94.0 66.8 124.2

166 127.9 88.9 165.1



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: 1.765 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU038062.D

Acq: 08 May 2020 01:06

Tgt Ion: 43 Resp: 28815

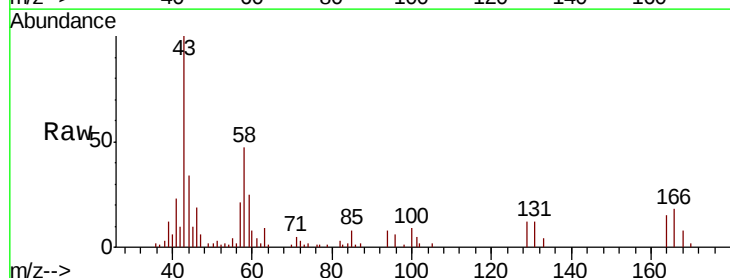
Ion Ratio Lower Upper

43 100

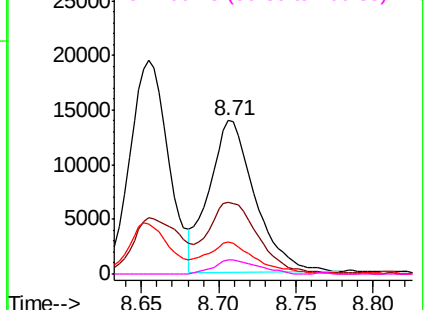
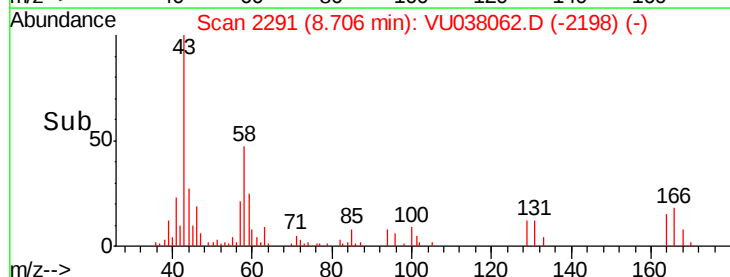
58 52.1 45.2 67.8

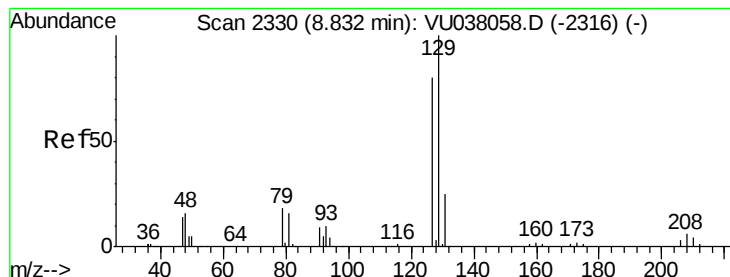
57 21.4 15.5 23.3

100 9.0 9.5 14.3#



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: 61.203 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038062.D

Acq: 08 May 2020 01:06

Instrument :

MSVOA_U

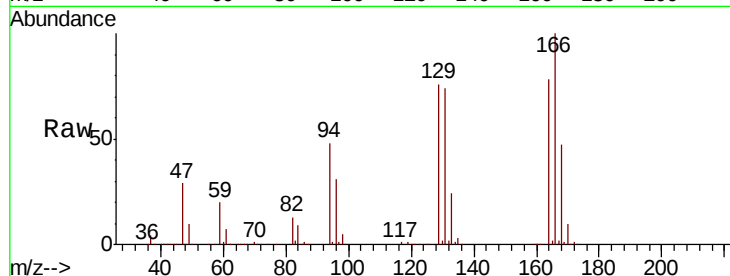
ClientSampled :

Tot Ion:129 Resp: 1419085

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

800000

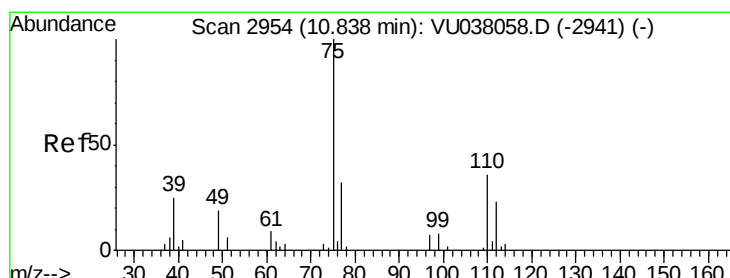
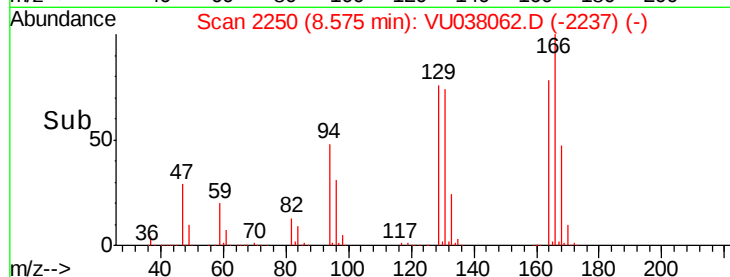
600000

400000

200000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.126 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038062.D

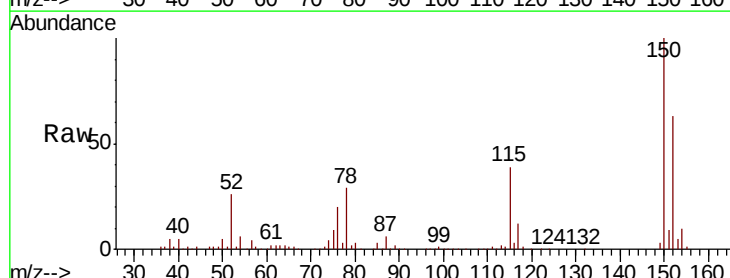
Acq: 08 May 2020 01:06

Tgt Ion: 75 Resp: 24313

Ion Ratio Lower Upper

75 100

77 33.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.82

15000

10000

5000

0

Time-->

