

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038233.D
 Acq On : 19 May 2020 14:32
 Operator : JC/MD
 Sample : L2657-03DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 20 01:27:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	324212	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	313351	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	150508	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	157380	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.93	69	132435	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.59	63	193223	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.68	46	458786	62.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.40%
24) Chloroform-d	5.10	84	237969	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.74	65	145282	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.76	84	513737	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
36) 1,2-Dichloropropane-d6	6.72	67	168683	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.92	98	450419	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	8.20	79	63311	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
46) 2-Hexanone-d5	8.65	63	354950	61.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.84%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	133799	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	164917	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	12187	0.411 ug/L	99
9) Trichlorofluoromethane	2.16	101	181274	5.063 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5774	0.260 ug/L #	74
12) 1,1-Dichloroethene	2.60	96	5036	0.224 ug/L #	1
16) Methylene chloride	3.07	84	2133	0.081 ug/L #	69
17) Methyl tert-butyl Ether	3.40	73	23531	0.376 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	5596	0.228 ug/L	97
19) 1,1-Dichloroethane	3.91	63	12143	0.253 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	13755	0.520 ug/L	99
34) Trichloroethene	6.57	95	127432	5.078 ug/L	99
35) Methylcyclohexane	6.72	83	36262	0.892 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	18102	0.664 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	4085	0.105 ug/L	87
47) Tetrachloroethene	8.57	164	106267	6.054 ug/L	98
48) 2-Hexanone	8.71	43	20356	1.471 ug/L	96
49) Dibromochloromethane	8.57	129	100636	5.123 ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	21973	1.201 ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 20 01:25:15 2020
Response via : Initial Calibration

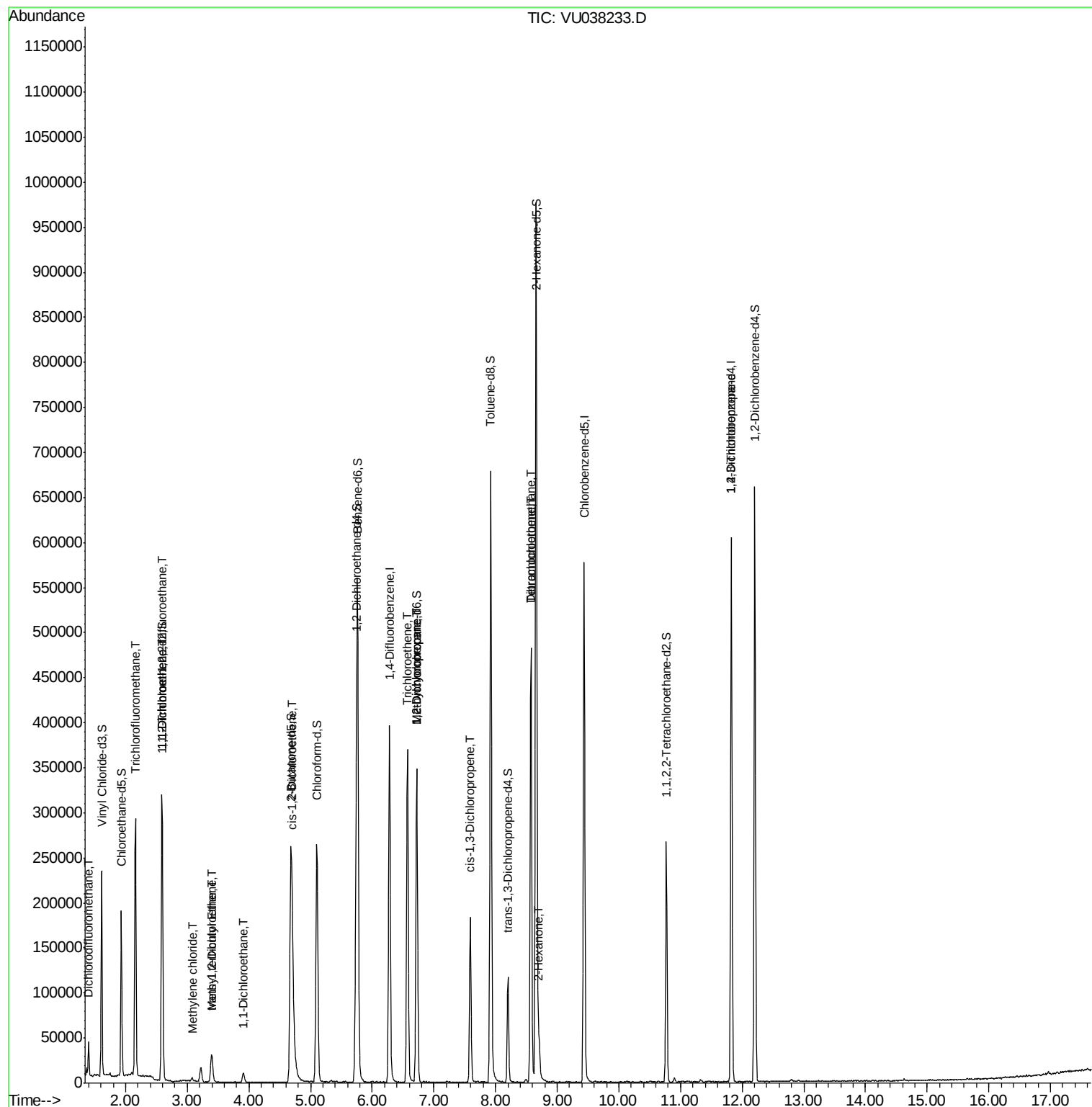
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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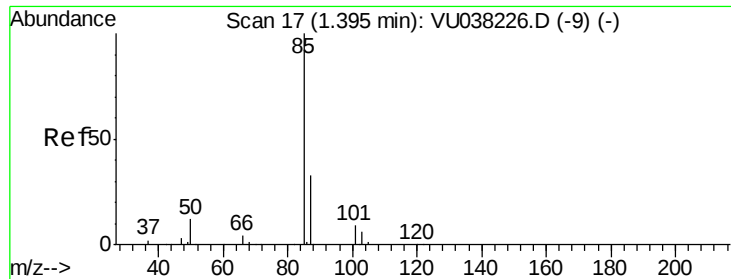
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.411 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

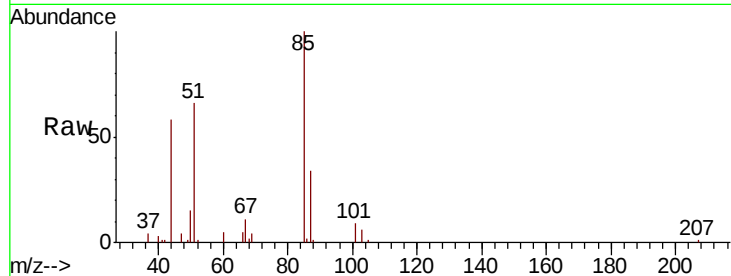
ClientSampled :

Tot Ion: 85 Resp: 12187

Ion Ratio Lower Upper

85 100

87 33.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038226.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038226.D (-9) (-)

1.39

10000

5000

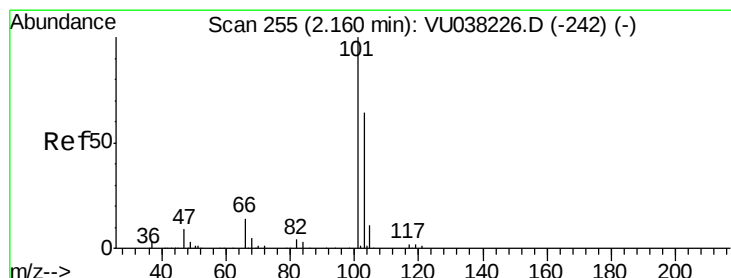
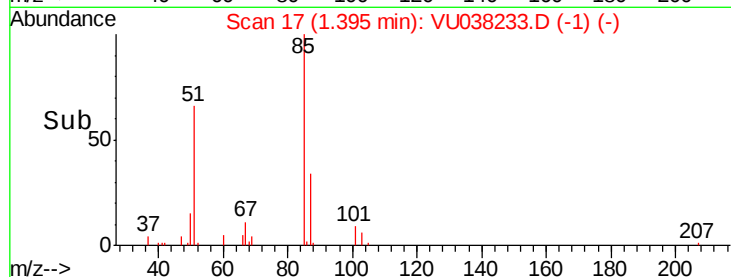
0

Time-->

1.35

1.40

1.45



#9

Trichlorofluoromethane

Concen: 5.063 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038233.D

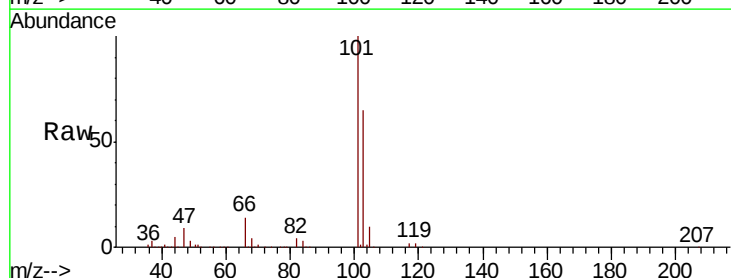
Acq: 19 May 2020 14:32

Tgt Ion: 101 Resp: 181274

Ion Ratio Lower Upper

101 100

103 63.7 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038226.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038226.D (-242) (-)

2.16

150000

100000

50000

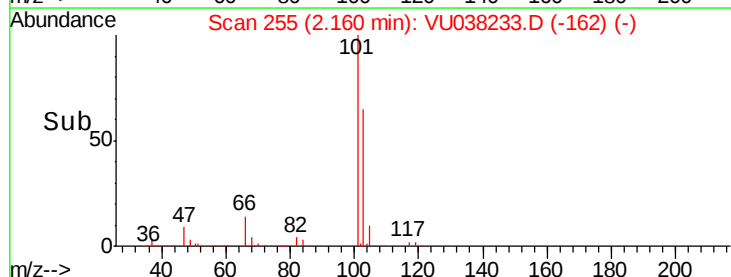
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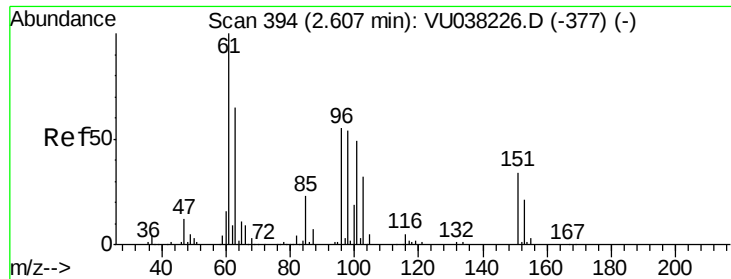
Time-->

2.10

2.15

2.20





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.260 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

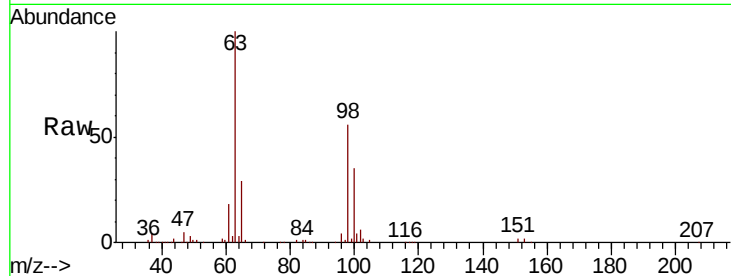
Tot Ion:101 Resp: 5774

Ion Ratio Lower Upper

101 100

85 27.1 35.3 52.9#

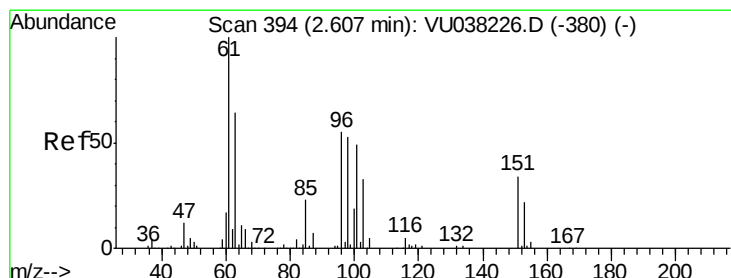
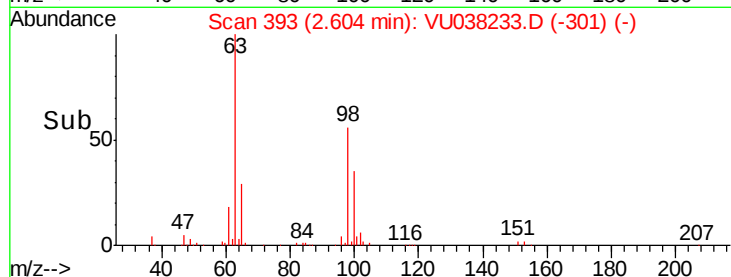
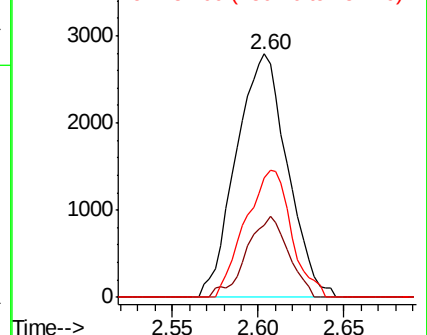
151 46.8 54.2 81.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.224 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

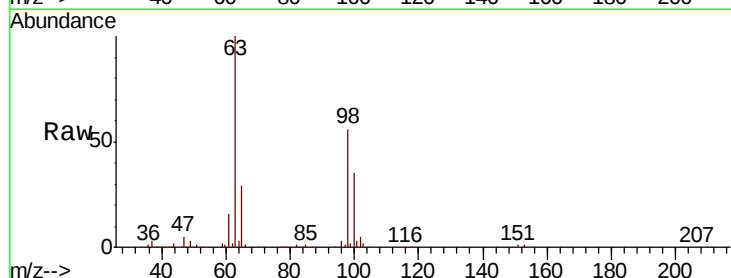
Tgt Ion: 96 Resp: 5036

Ion Ratio Lower Upper

96 100

61 520.6 126.2 234.4#

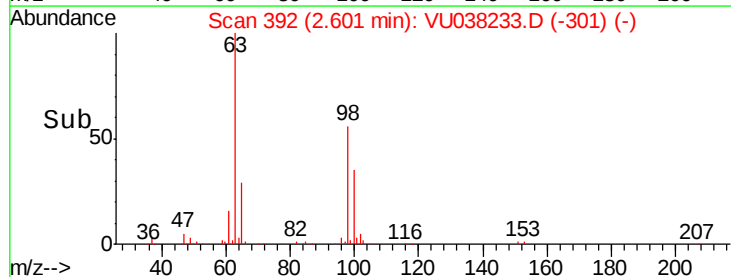
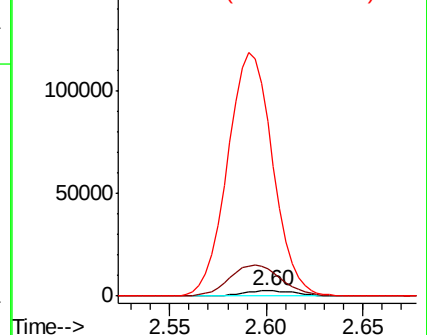
63 3314.2 96.9 179.9#

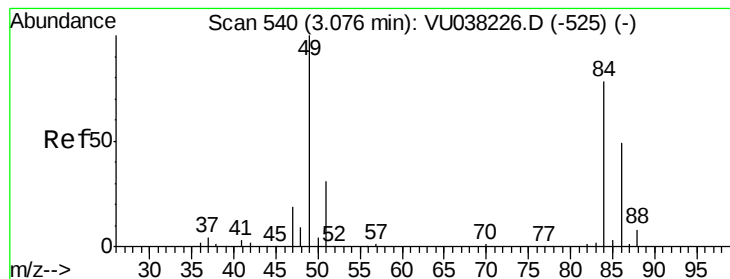


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methylene chloride

Concen: 0.081 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

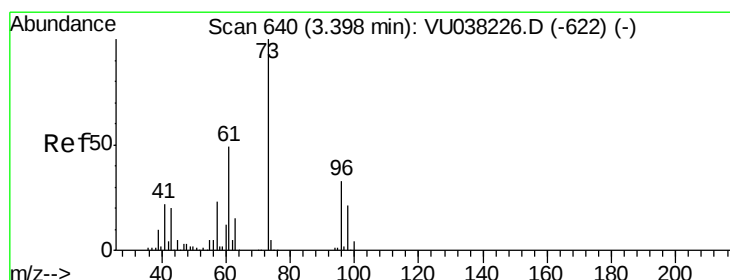
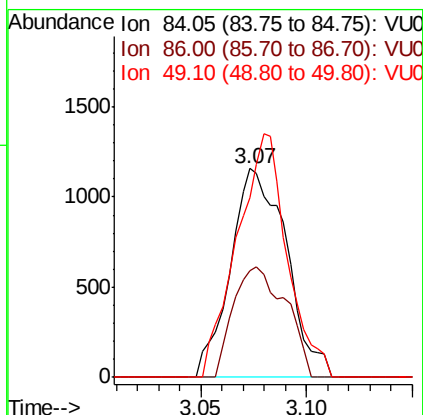
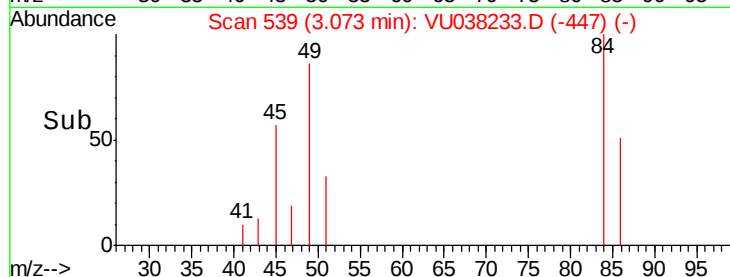
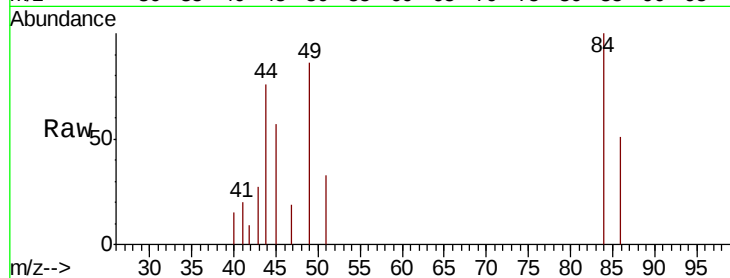
Tot Ion: 84 Resp: 2133

Ion Ratio Lower Upper

84 100

86 51.3 44.9 83.3

49 86.1 92.0 170.9#



#17

Methyl tert-butyl Ether

Concen: 0.376 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.01 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

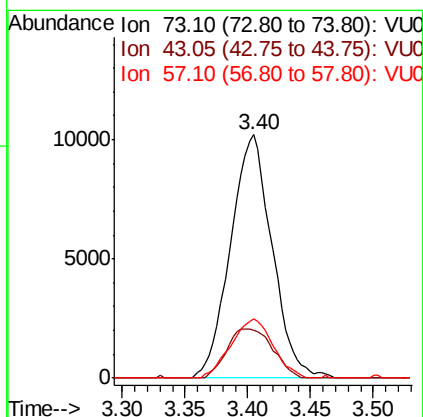
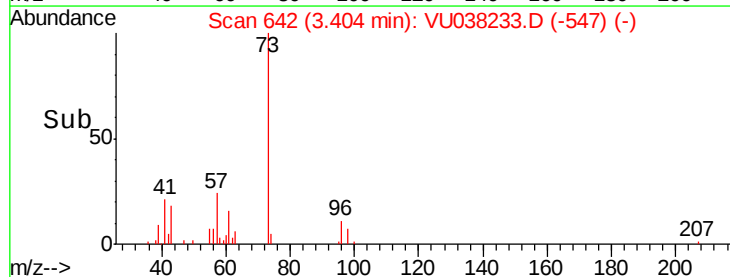
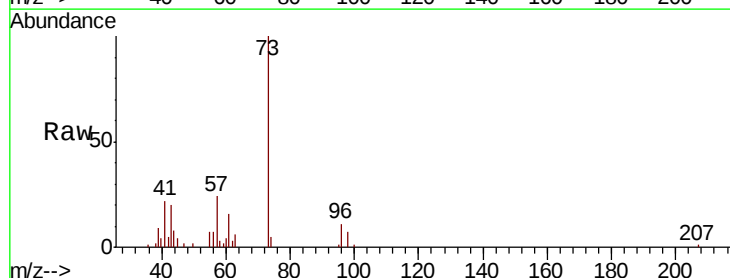
Tgt Ion: 73 Resp: 23531

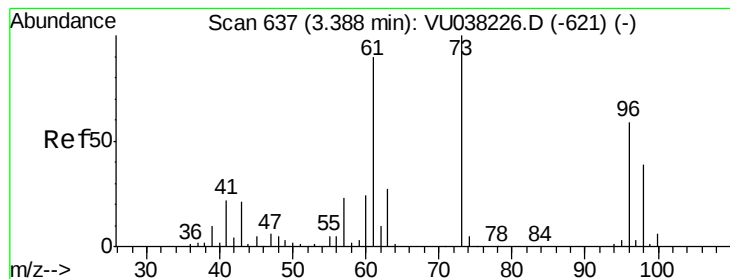
Ion Ratio Lower Upper

73 100

43 22.3 16.9 25.3

57 24.4 18.2 27.2





#18

trans-1,2-Dichloroethene

Concen: 0.228 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

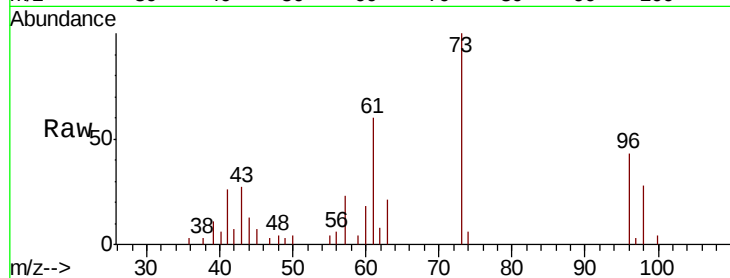
Tot Ion: 96 Resp: 5596

Ion Ratio Lower Upper

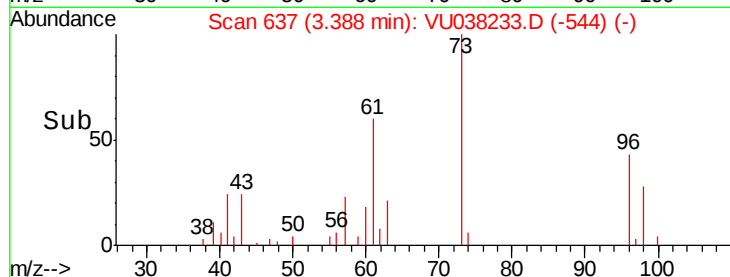
96 100

61 142.1 102.1 189.5

98 66.7 45.6 84.8



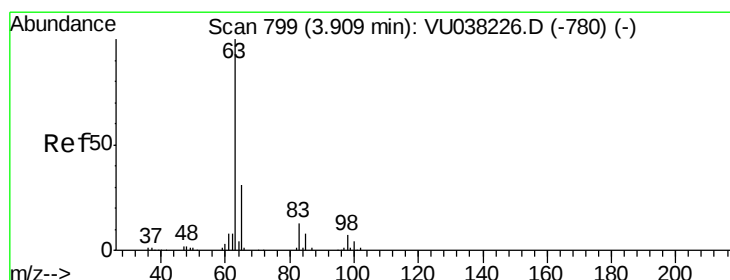
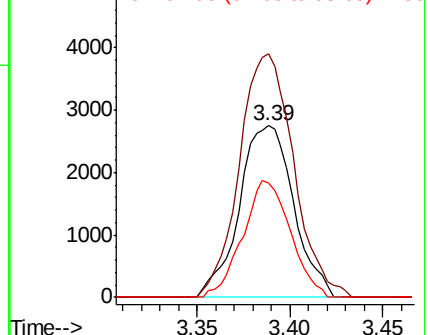
Abundance Ion 96.00 (95.70 to 96.70): VU038233.D (-544) (-)



Ion 61.05 (60.75 to 61.75): VU038233.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038233.D (-544) (-)

Time-->



#19

1,1-Dichloroethane

Concen: 0.253 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

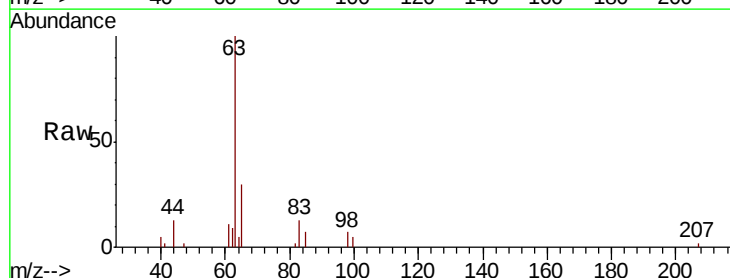
Tgt Ion: 63 Resp: 12143

Ion Ratio Lower Upper

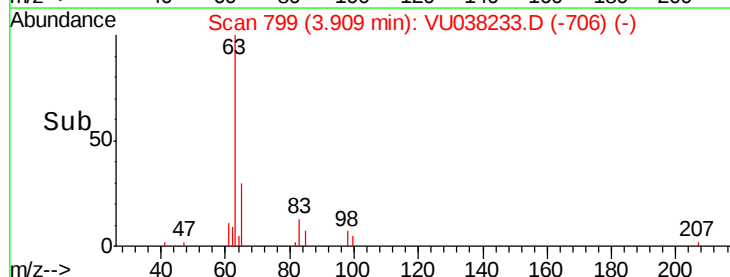
63 100

65 30.2 22.5 41.7

83 12.8 8.9 16.5



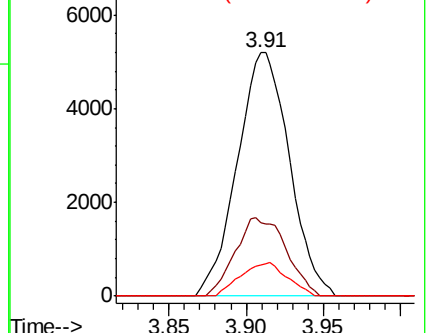
Abundance Ion 63.10 (62.80 to 63.80): VU038233.D (-706) (-)

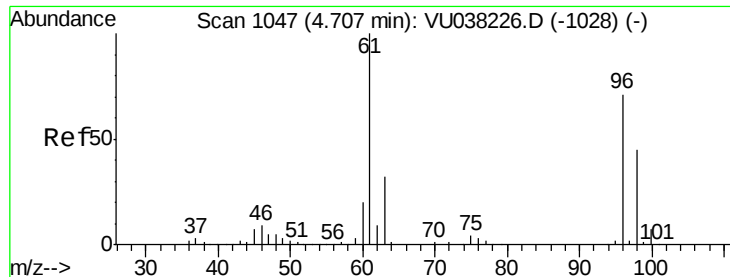


Ion 65.10 (64.80 to 65.80): VU038233.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038233.D (-706) (-)

Time-->



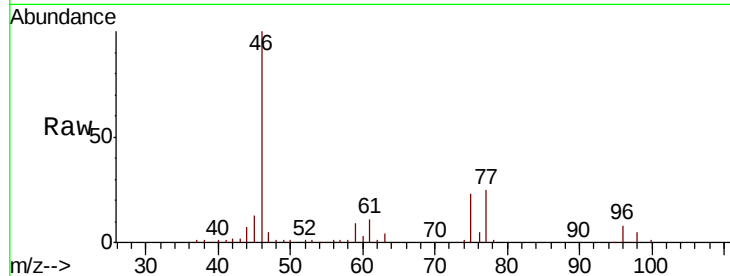


#22

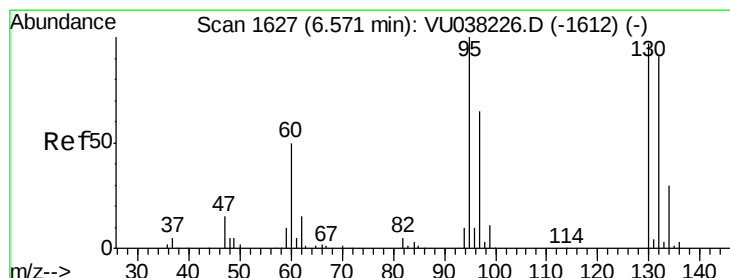
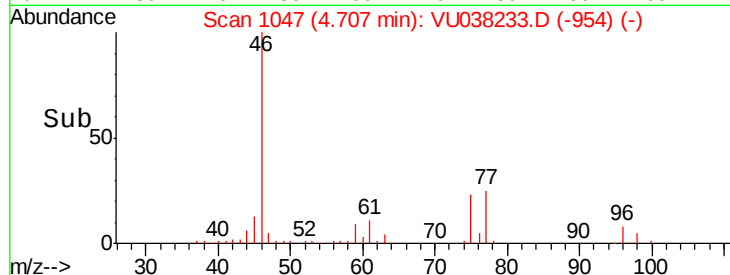
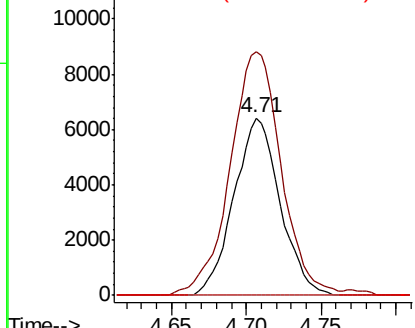
cis-1,2-Dichloroethene
 Concen: 0.520 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038233.D
 Acq: 19 May 2020 14:32

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 13755
 Ion Ratio Lower Upper
 96 100
 61 137.4 95.3 176.9
 68 0.0 0.0 0.0



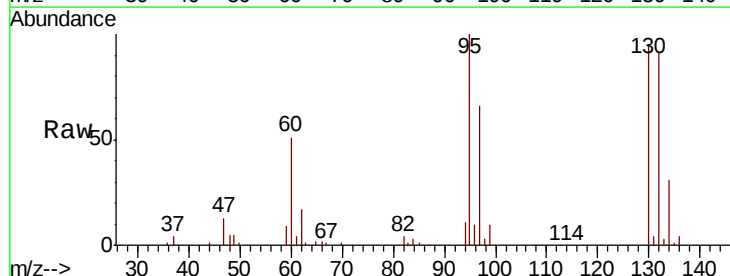
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



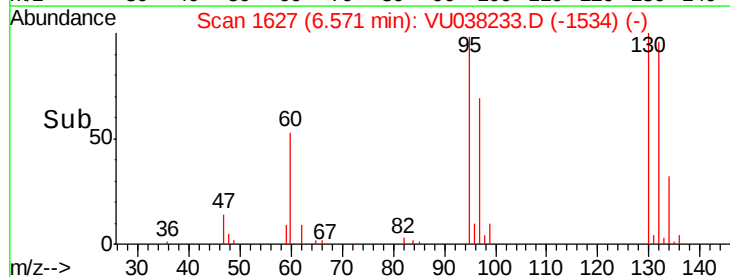
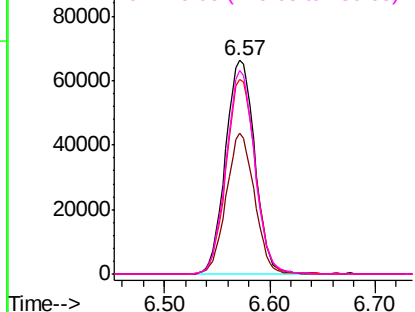
#34

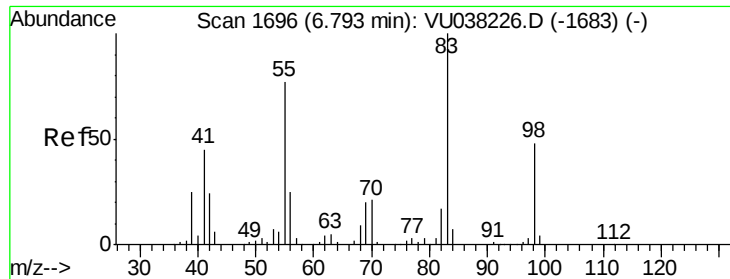
Trichloroethene
 Concen: 5.078 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038233.D
 Acq: 19 May 2020 14:32

Tgt Ion: 95 Resp: 127432
 Ion Ratio Lower Upper
 95 100
 97 65.7 44.9 83.3
 132 91.2 63.3 117.5
 130 95.3 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

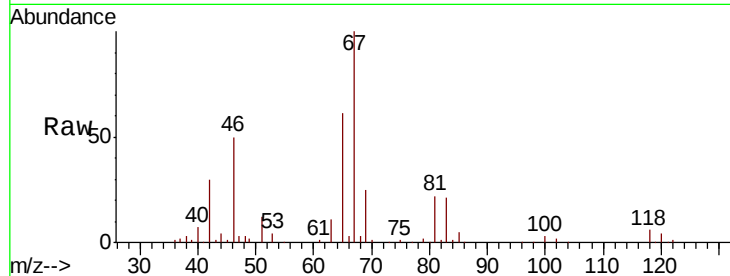




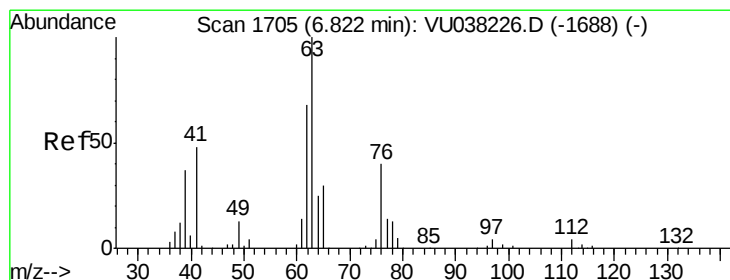
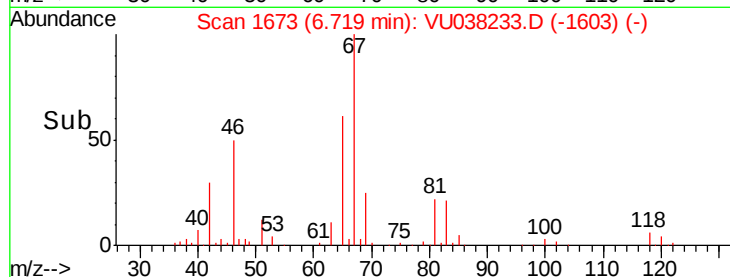
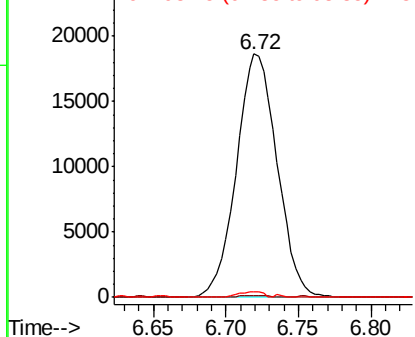
#35
Methvlcvclohexane
Concen: 0.892 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038233.D
Acq: 19 May 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 36262
Ion Ratio Lower Upper
83 100
55 0.4 66.7 100.1#
98 1.3 39.4 59.2#

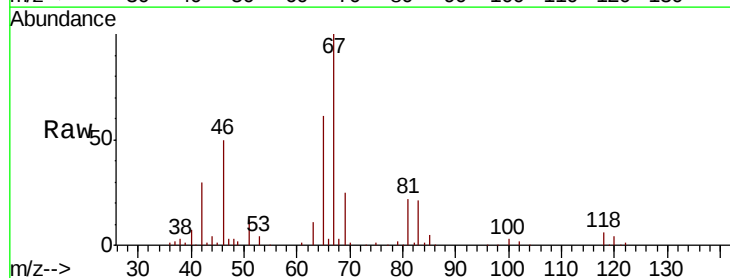


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

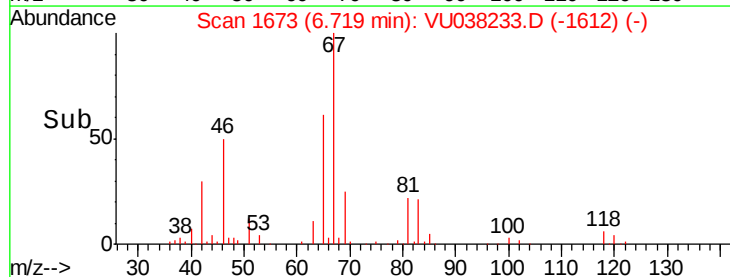
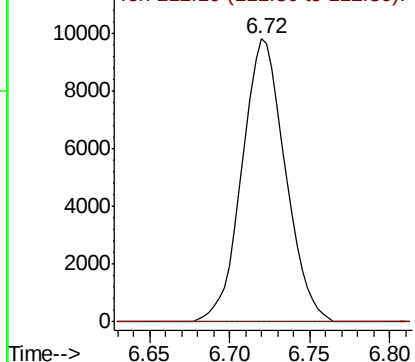


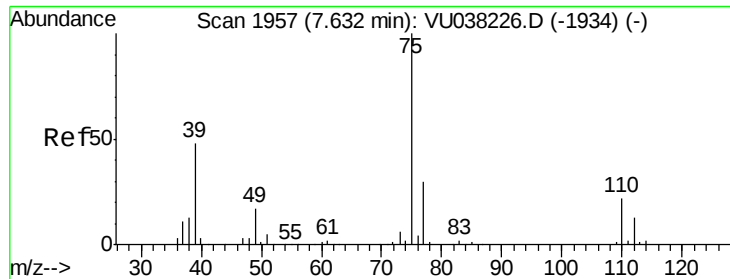
#37
1,2-Dichloropropane
Concen: 0.664 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038233.D
Acq: 19 May 2020 14:32

Tgt Ion: 63 Resp: 18102
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

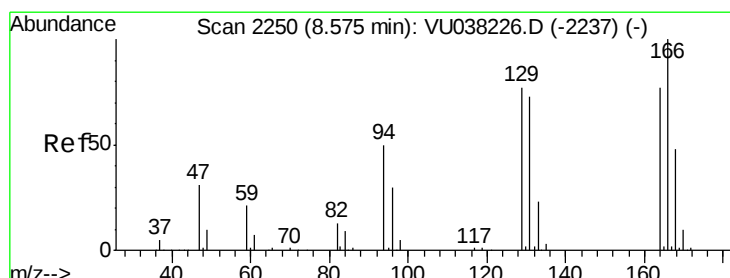
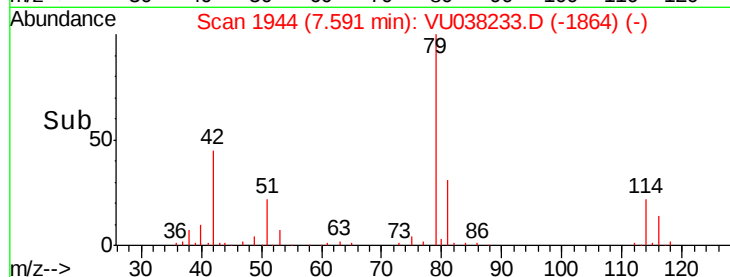
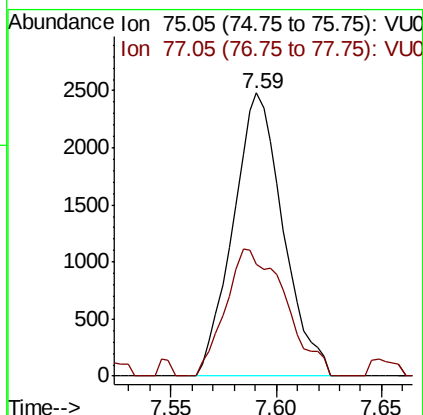
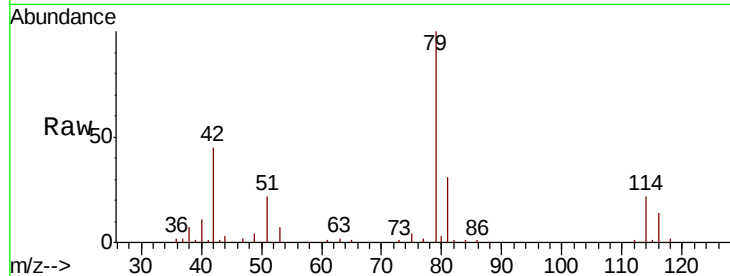




#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038233.D
 Acq: 19 May 2020 14:32

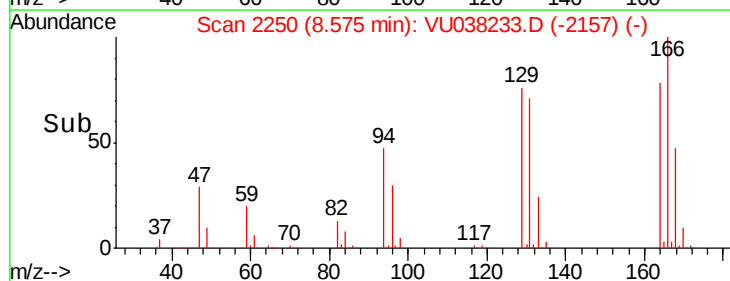
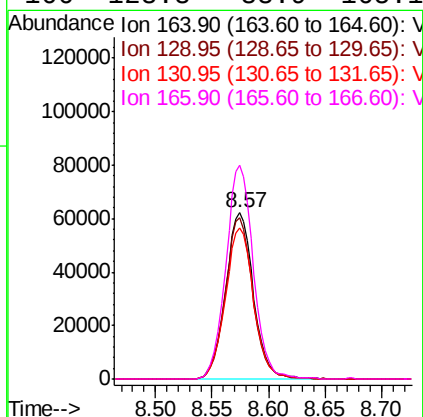
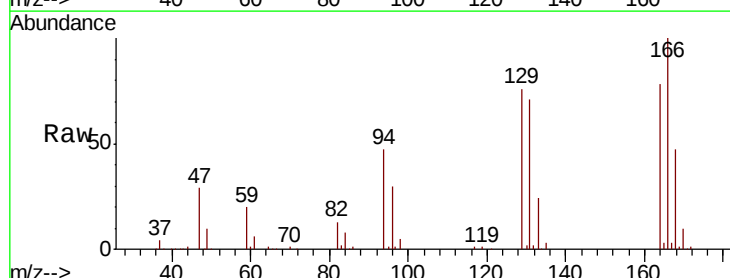
Instrument :
 MSVOA_U
 ClientSampled :

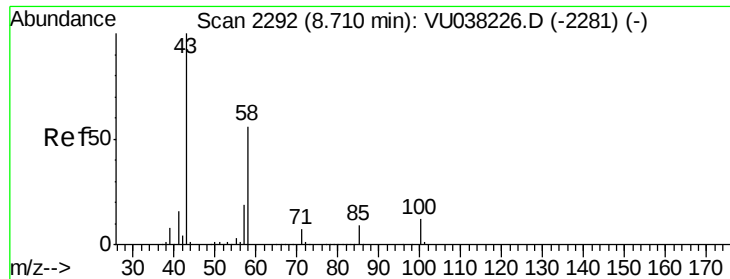
Tot Ion: 75 Resp: 4085
 Ion Ratio Lower Upper
 75 100
 77 39.5 22.4 41.6



#47
 Tetrachloroethene
 Concen: 6.054 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038233.D
 Acq: 19 May 2020 14:32

Tgt Ion:164 Resp: 106267
 Ion Ratio Lower Upper
 164 100
 129 97.3 68.8 127.8
 131 91.3 66.8 124.2
 166 128.8 88.9 165.1

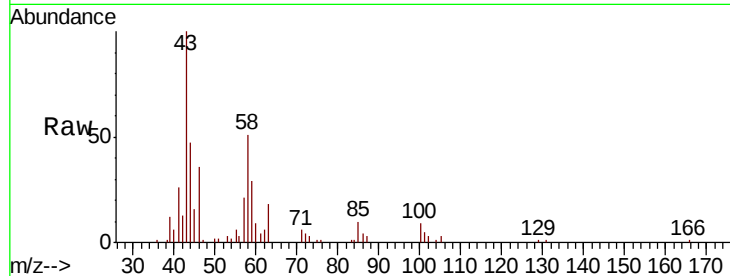




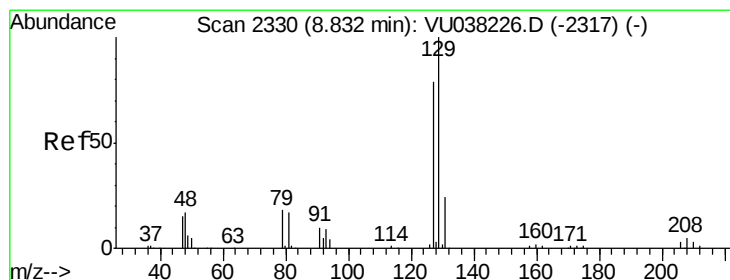
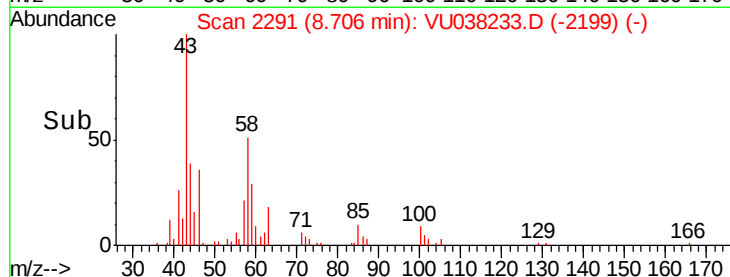
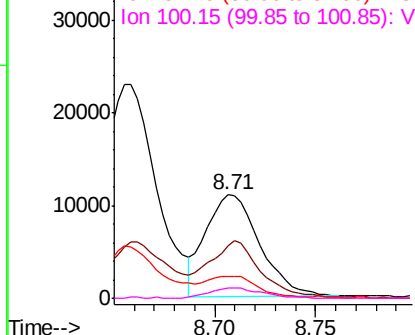
#48
2-Hexanone
Concen: 1.471 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038233.D
Acq: 19 May 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 20356
Ion Ratio Lower Upper
43 100
58 53.3 45.2 67.8
57 20.9 15.5 23.3
100 9.8 9.5 14.3

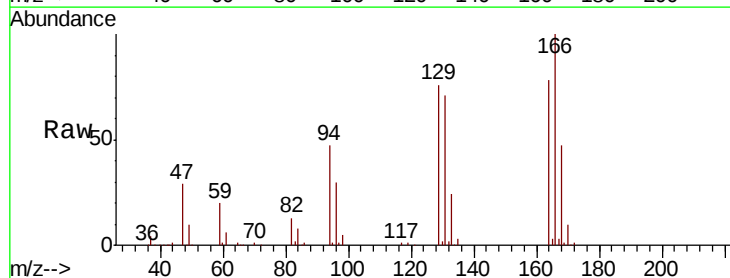


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

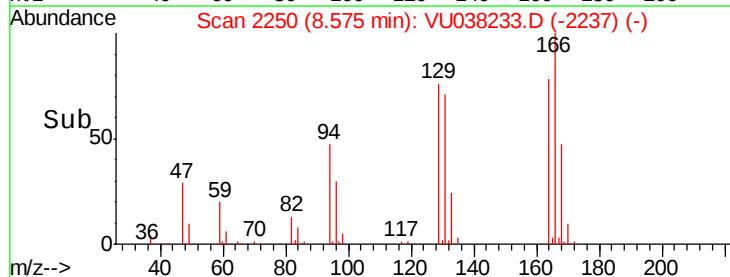
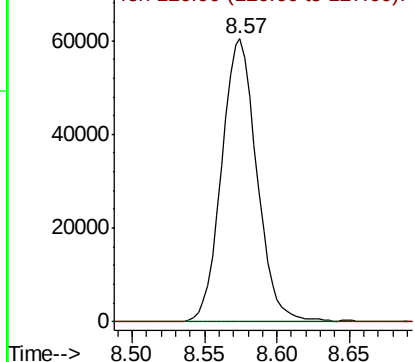


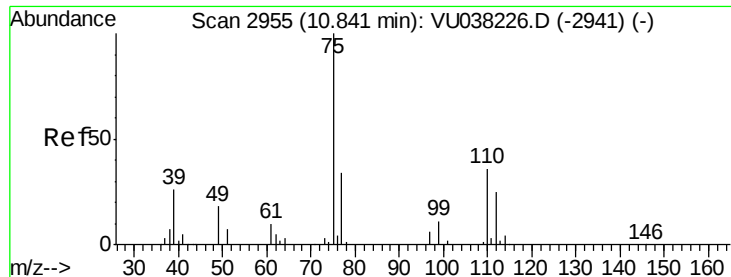
#49
Dibromochloromethane
Concen: 5.123 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038233.D
Acq: 19 May 2020 14:32

Tgt Ion: 129 Resp: 100636
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





#59

1,2,3-Trichloropropane

Concen: 1.201 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

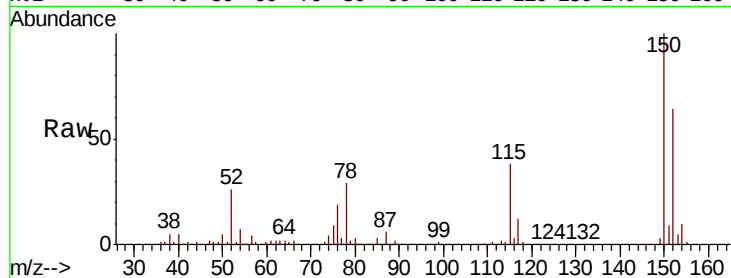
ClientSampleId :

Tot Ion: 75 Resp: 21973

Ion Ratio Lower Upper

75 100

77 35.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

