

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091120\
 Data File : VU040097.D
 Acq On : 11 Sep 2020 10:58
 Operator : SY/MD
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Sep 11 12:57:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 12:55:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	25718	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	11087	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	8560	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	5730	0.785	ug/l	97
3) Chloromethane	1.53	50	4600	0.595	ug/l #	85
4) Vinyl Chloride	1.61	62	5446	0.717	ug/l	92
5) Bromomethane	1.86	94	1221	0.216	ug/l #	74
6) Chloroethane	1.94	64	3657	0.730	ug/l	99
7) Trichlorofluoromethane	2.15	101	7754	0.680	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3211	0.488	ug/l	91
9) 1,1-Dichloroethene	2.59	96	2937	0.528	ug/l	95
13) Acetone	2.66	43	10182	5.745	ug/l	99
14) Carbon Disulfide	2.80	76	5512	0.357	ug/l	98
15) Methylene Chloride	3.06	84	5604	0.658	ug/l #	91
16) trans-1,2-Dichloroethene	3.37	96	2654	0.439	ug/l	100
17) 1,1-Dichloroethane	3.89	63	6484	0.492	ug/l #	92
18) 2-Butanone	4.74	43	14542	5.379	ug/l	95
19) Cyclohexane	5.40	56	3123	0.285	ug/l #	76
20) Methylcyclohexane	6.77	83	4130	0.407	ug/l	97
22) cis-1,2-Dichloroethene	4.69	96	3327	0.473	ug/l	93
24) tert-Butyl Alcohol	3.19	59	1103	1.555	ug/l #	1
25) Methyl tert-Butyl Ether	3.38	73	8866	0.478	ug/l #	74
26) Bromochloromethane	5.00	128	1689	0.553	ug/l	89
27) Chloroform	5.11	83	7553	0.565	ug/l	91
28) 1,1,1-Trichloroethane	5.33	97	6080	0.523	ug/l	94
30) Carbon Tetrachloride	5.54	117	4978	0.472	ug/l	99
35) Benzene	5.79	78	12736	0.465	ug/l	94
36) 1,2-Dichloroethane	5.81	62	5353	0.502	ug/l #	89
37) Trichloroethene	6.55	130	3503	0.503	ug/l	100
38) 1,2-Dichloropropane	6.80	63	4154	0.523	ug/l	92
42) 1-Chlorobutane	5.40	56	3744	0.256	ug/l	86
44) Bromodichloromethane	7.11	83	5761	0.523	ug/l	96
45) 4-Methyl-2-Pentanone	7.80	43	29265	4.684	ug/l	96
46) t-1,4-Dichloro-2-butene	10.82	75	3255	1.362	ug/l #	16
49) Toluene	7.98	92	6828	0.412	ug/l	89
50) t-1,3-Dichloropropene	8.22	75	5094	0.513	ug/l	94
51) cis-1,3-Dichloropropene	7.61	75	5060	0.458	ug/l	94
52) 1,1,2-Trichloroethane	8.40	97	3160	0.538	ug/l	93
54) 2-Hexanone	8.69	43	19658	4.340	ug/l	96
55) Dibromochloromethane	8.82	129	3908	0.570	ug/l	96
56) 1,2-Dibromoethane	8.92	107	3021	0.551	ug/l	92
58) Tetrachloroethene	8.56	164	2392	0.354	ug/l	88
59) Chlorobenzene	9.45	112	9152	0.498	ug/l	97
63) Ethyl Benzene	9.57	91	13729	0.438	ug/l	100

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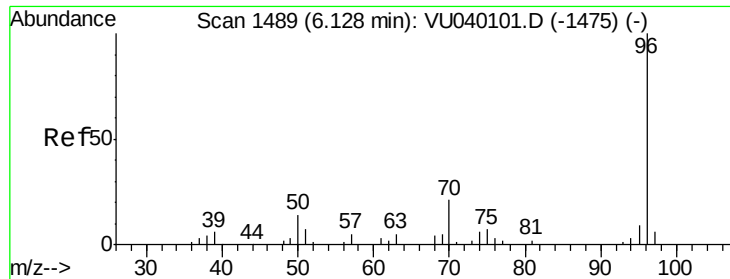
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Sep 11 12:57:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 12:55:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

64) m/p-Xylenes	9.70	106	5193	0.443	ug/l	91
65) o-Xylene	10.10	106	4815	0.426	ug/l	100
66) Styrene	10.11	104	8219	0.414	ug/l	98
67) Bromoform	10.29	173	2097	0.594	ug/l #	95
69) Isopropylbenzene	10.48	105	13763	0.442	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.78	83	4115	0.524	ug/l	88
71) 1,2,3-Trichloropropane	10.82	75	3255	0.534	ug/l	76
73) n-propylbenzene	11.09	120	5185	0.606	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.08	105	11482	0.421	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	10850	0.380	ug/l	93
79) sec-Butylbenzene	11.46	105	10850	0.295	ug/l #	58
80) Nitrobenzene	12.99	77	136	0.432	ug/l #	45
82) 1,3-Dichlorobenzene	11.74	146	7825	0.489	ug/l	96
83) 1,4-Dichlorobenzene	11.83	146	7263	0.457	ug/l	95
85) 1,2-Dichlorobenzene	12.21	146	6885	0.448	ug/l	91
86) 1,2-Dibromo-3-Chloropropan	12.99	75	679	0.464	ug/l	91
87) 1,2,4-Trichlorobenzene	13.83	180	3230	0.364	ug/l	89
89) Naphthalene	14.08	128	5066	0.293	ug/l #	95
90) 1,2,3-Trichlorobenzene	14.32	180	3206	0.388	ug/l	92

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 96 Resp: 25718

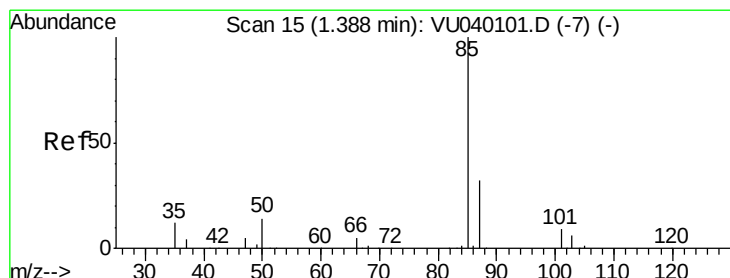
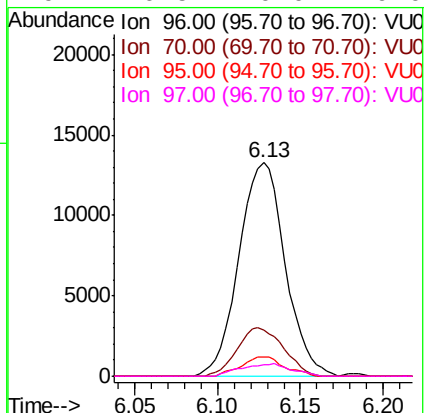
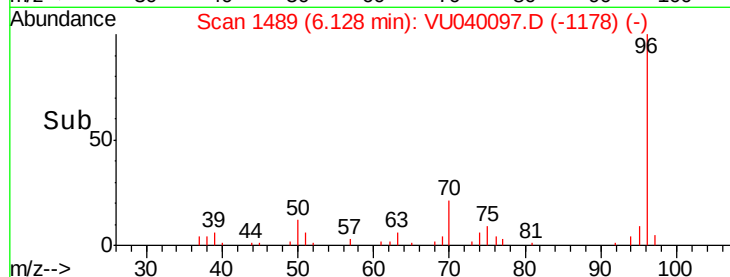
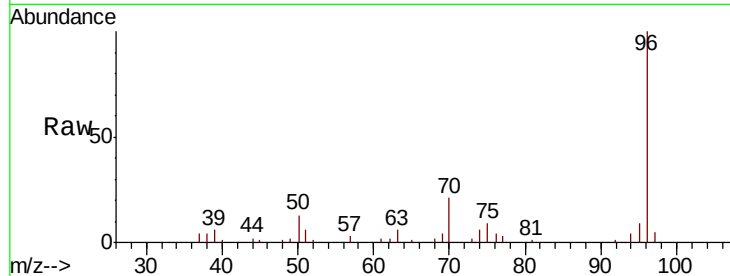
Ion Ratio Lower Upper

96 100

70 22.8 17.1 25.7

95 8.5 7.6 11.4

97 6.5 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.785 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040097.D

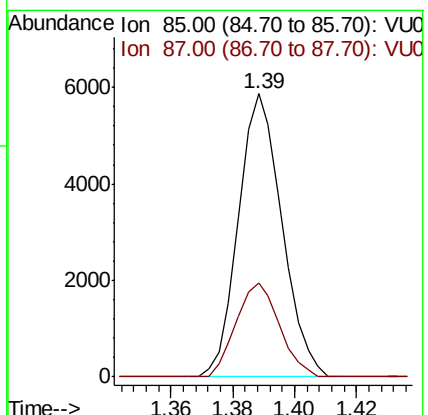
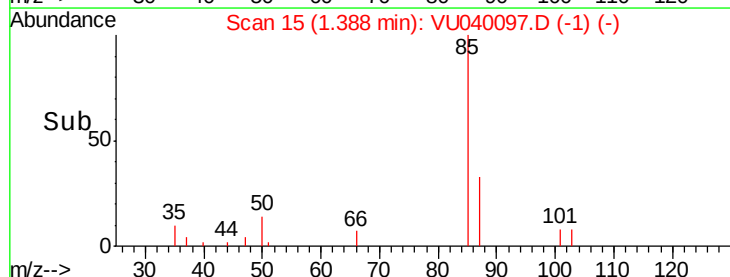
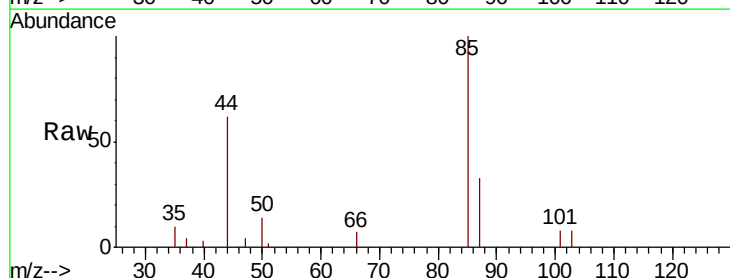
Acq: 11 Sep 2020 10:58

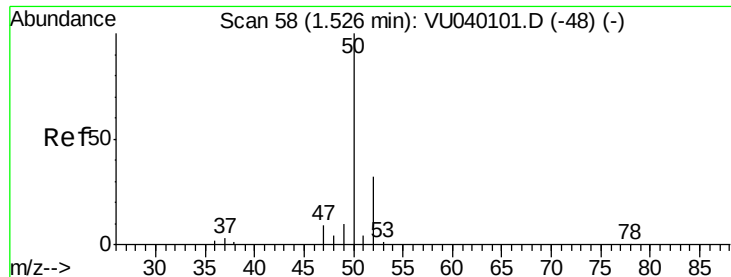
Tgt Ion: 85 Resp: 5730

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.8





#3

Chloromethane

Concen: 0.595 ug/l

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

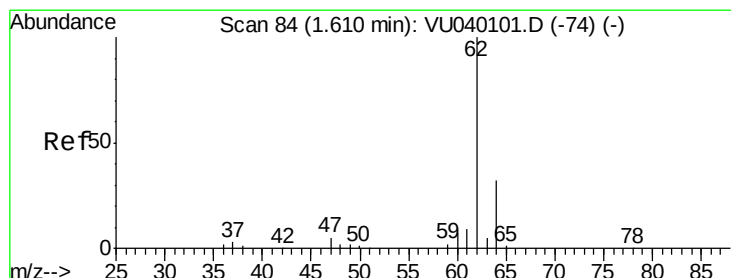
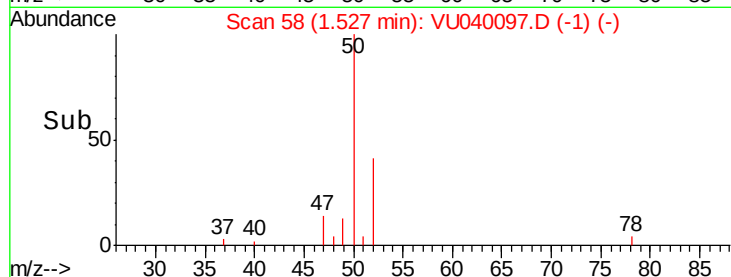
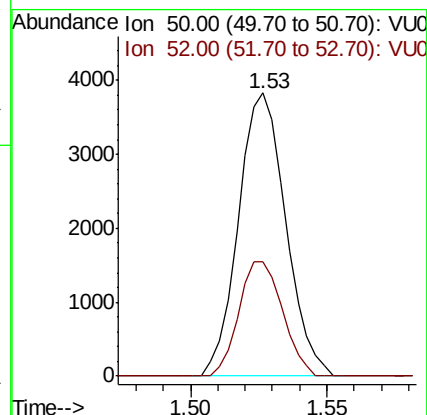
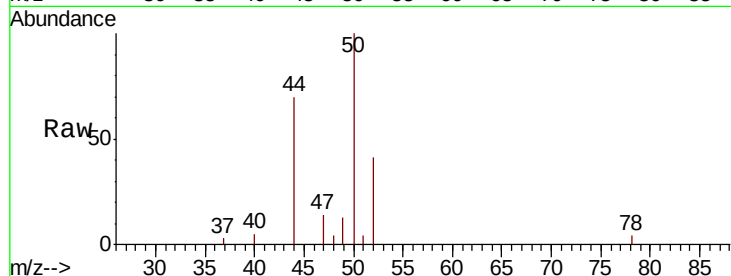
VSTDIC0.5

Tot Ion: 50 Resp: 4600

Ion Ratio Lower Upper

50 100

52 40.6 25.9 38.9#



#4

Vinyl Chloride

Concen: 0.717 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040097.D

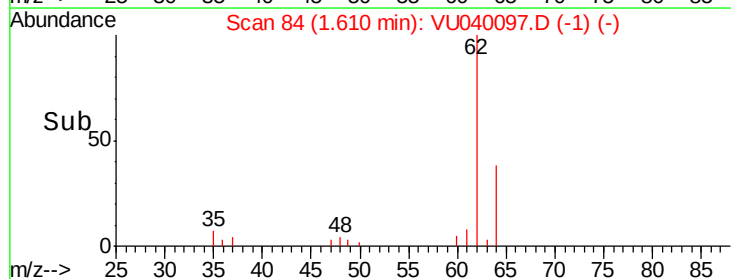
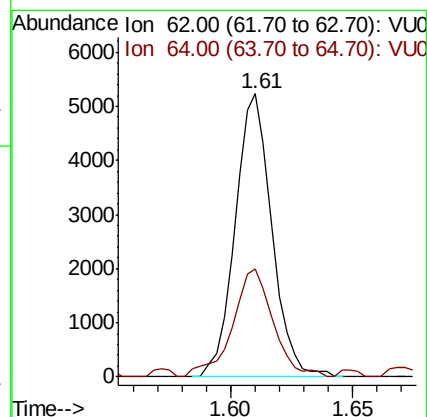
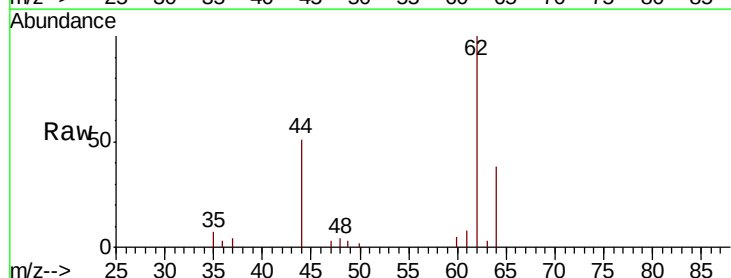
Acq: 11 Sep 2020 10:58

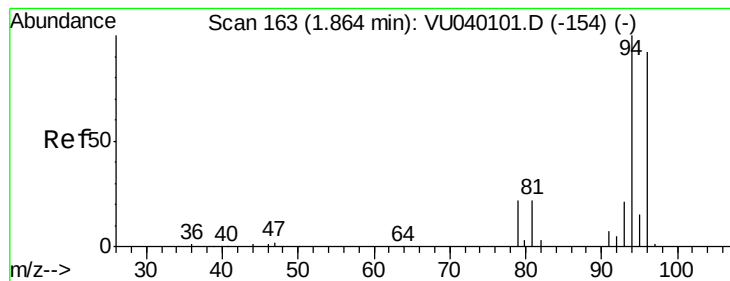
Tgt Ion: 62 Resp: 5446

Ion Ratio Lower Upper

62 100

64 36.0 25.4 38.0





#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

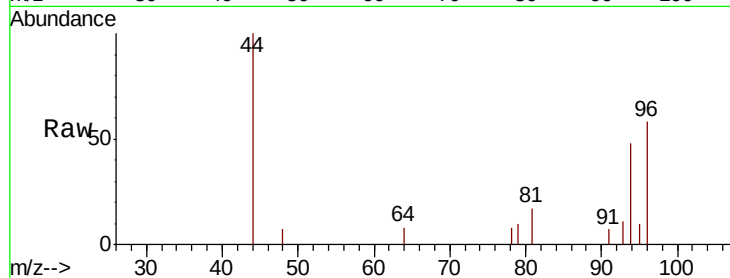
VSTDIC0.5

Tot Ion: 94 Resp: 1221

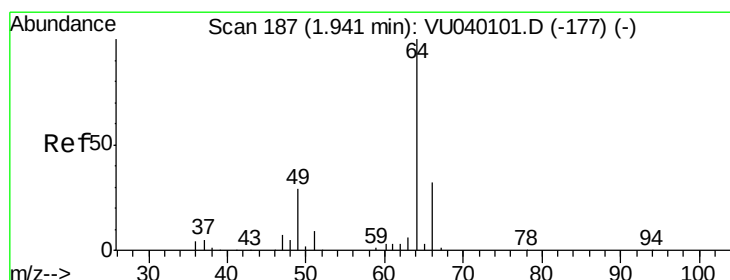
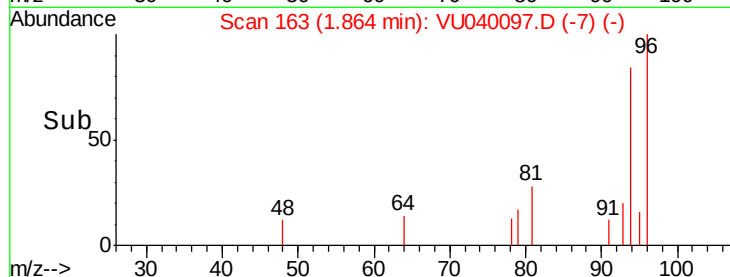
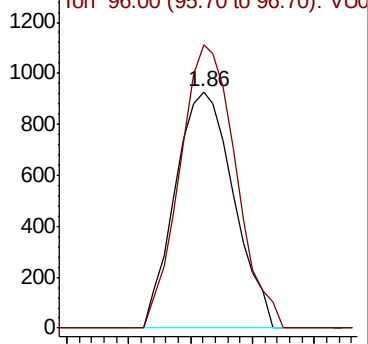
Ion Ratio Lower Upper

94 100

96 119.7 75.4 113.2#



Abundance Ion 94.00 (93.70 to 94.70): VU040101.D (-154) (-)



#6

Chloroethane

Concen: 0.730 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040097.D

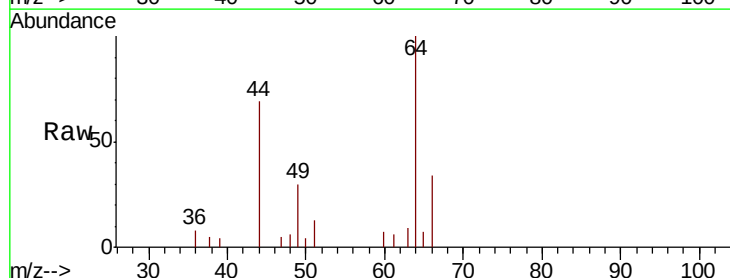
Acq: 11 Sep 2020 10:58

Tgt Ion: 64 Resp: 3657

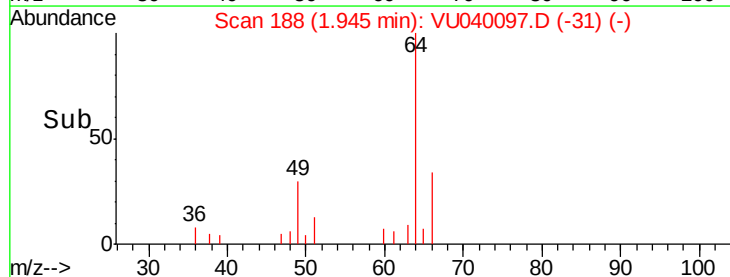
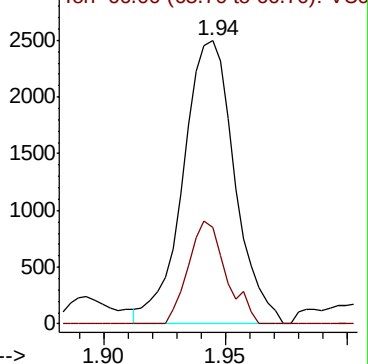
Ion Ratio Lower Upper

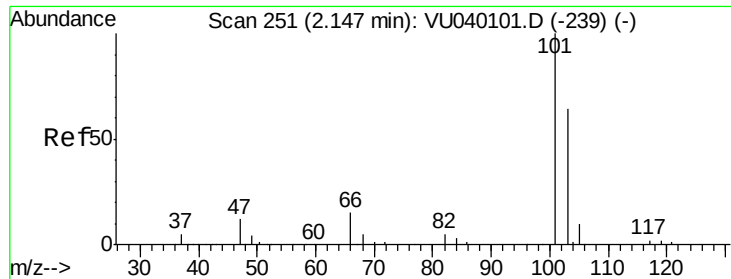
64 100

66 34.1 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU040101.D (-177) (-)



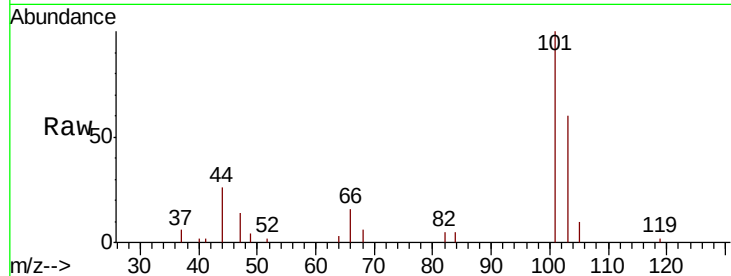


#7

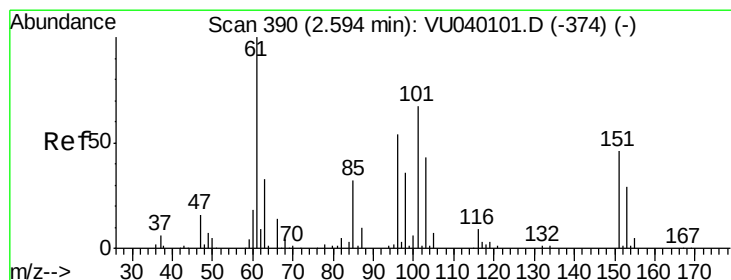
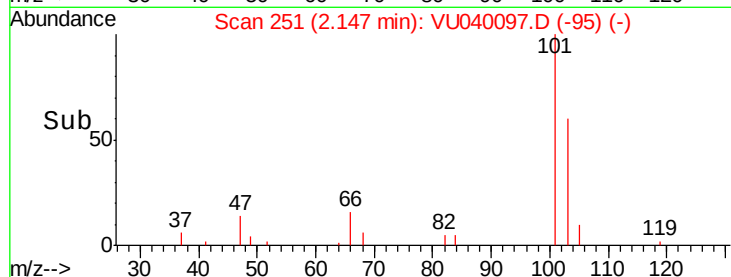
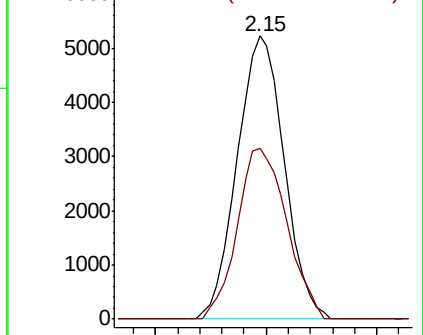
Trichlorofluoromethane
 Concen: 0.680 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:101 Resp: 7754
 Ion Ratio Lower Upper
 101 100
 103 60.3 50.8 76.2



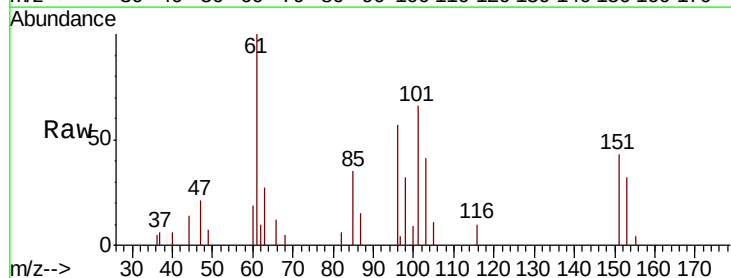
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



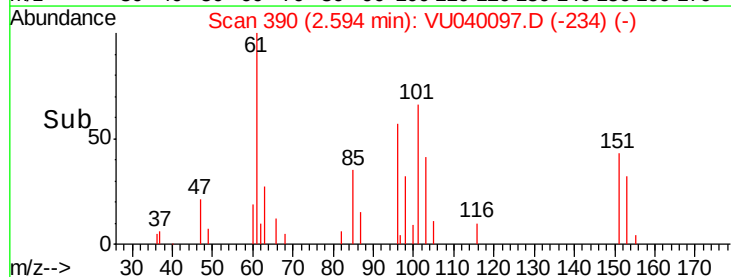
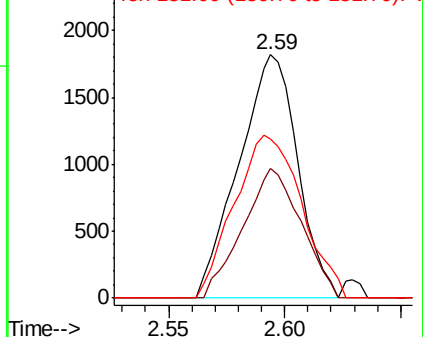
#8

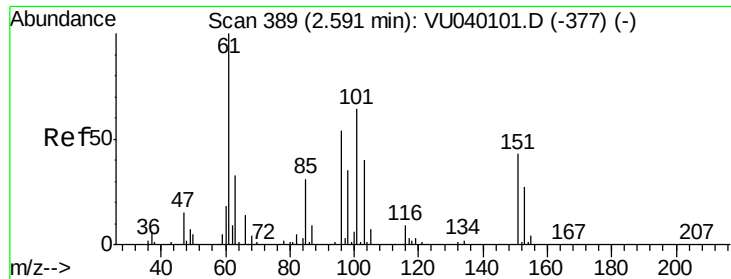
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.488 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Tgt Ion:101 Resp: 3211
 Ion Ratio Lower Upper
 101 100
 85 52.7 38.5 57.7
 151 76.7 54.6 81.8



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU
 Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 0.528 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

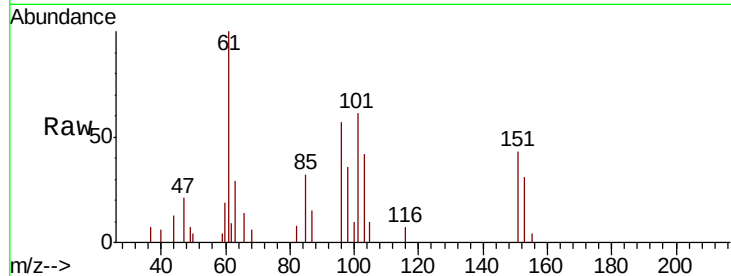
Tot Ion: 96 Resp: 2937

Ion Ratio Lower Upper

96 100

61 176.1 0.0 557.1

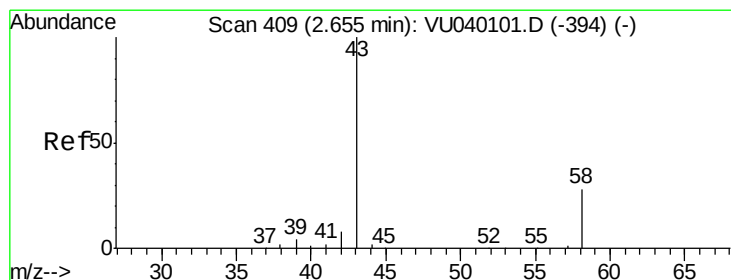
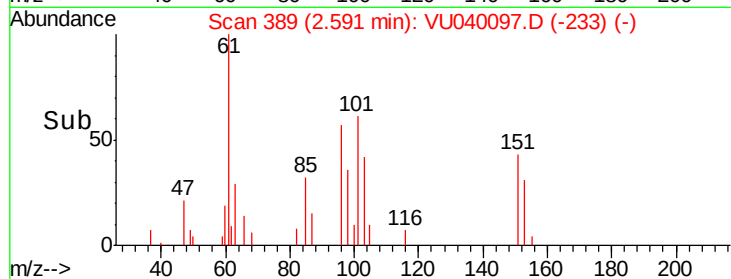
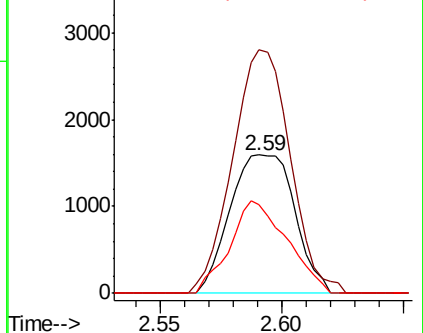
98 64.2 0.0 125.6



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#13

Acetone

Concen: 5.745 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU040097.D

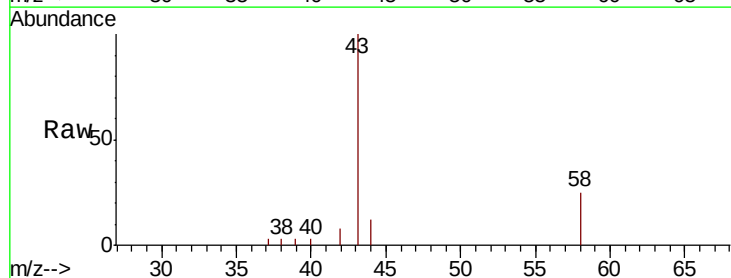
Acq: 11 Sep 2020 10:58

Tgt Ion: 43 Resp: 10182

Ion Ratio Lower Upper

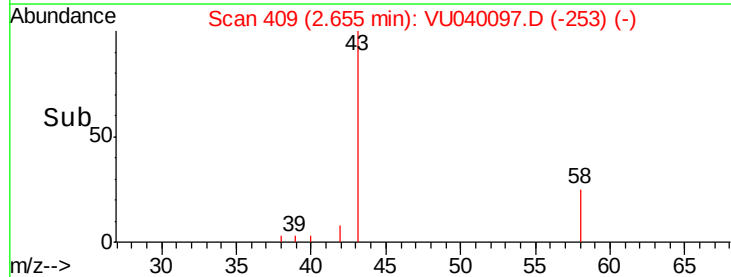
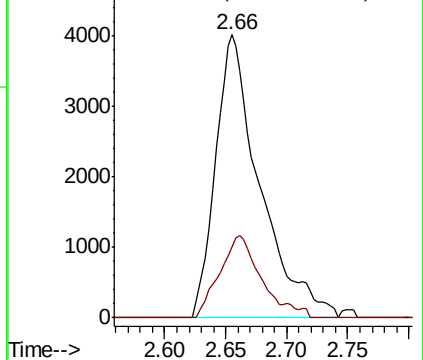
43 100

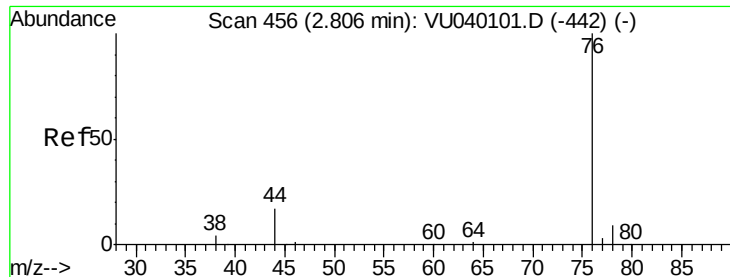
58 25.1 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon Disulfide

Concen: 0.357 ug/l

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

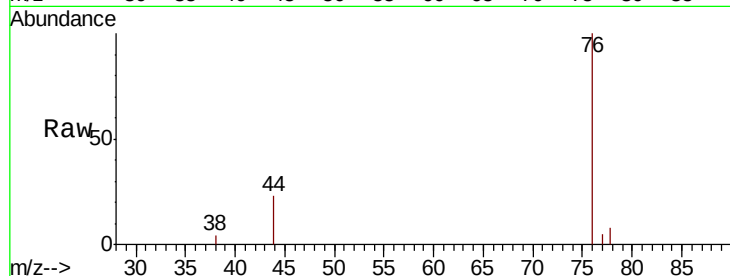
VSTDIC0.5

Tot Ion: 76 Resp: 5512

Ion Ratio Lower Upper

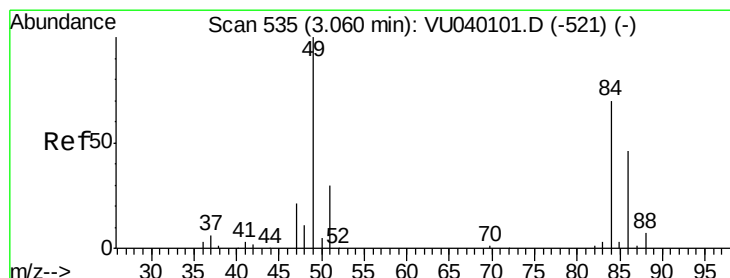
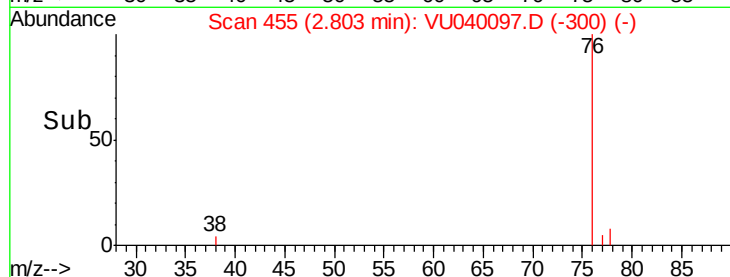
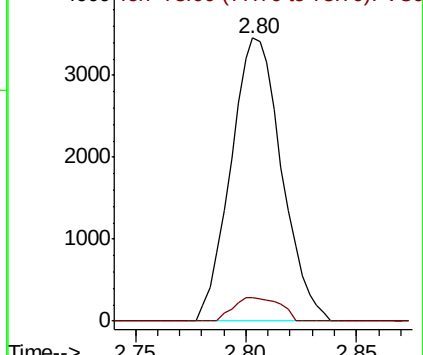
76 100

78 8.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU040101.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040101.D (-442) (-)



#15

Methylene Chloride

Concen: 0.658 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Tgt Ion: 84 Resp: 5604

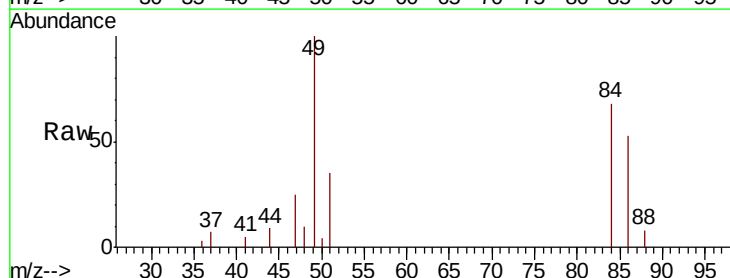
Ion Ratio Lower Upper

84 100

49 147.0 114.3 171.5

51 51.9 0.0 84.6

86 77.5 50.6 76.0#

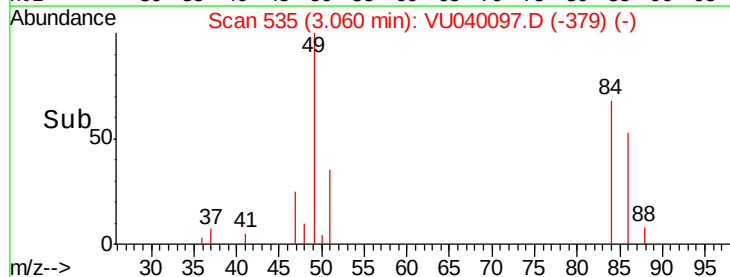
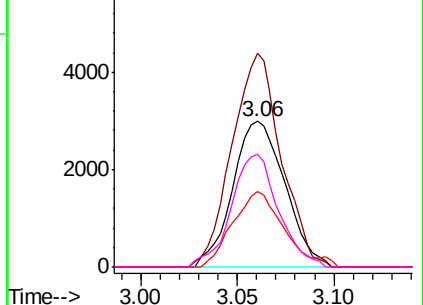


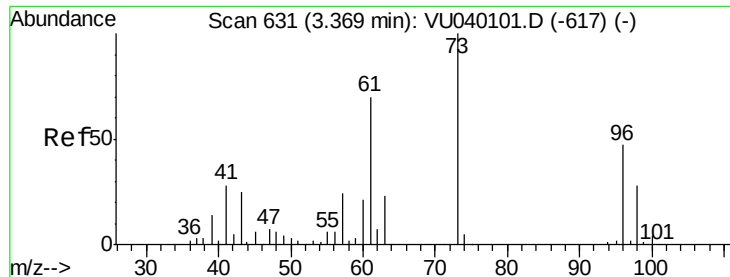
Abundance Ion 84.00 (83.70 to 84.70): VU040101.D (-521) (-)

Ion 49.00 (48.70 to 49.70): VU040101.D (-521) (-)

Ion 51.00 (50.70 to 51.70): VU040101.D (-521) (-)

Ion 86.00 (85.70 to 86.70): VU040101.D (-521) (-)

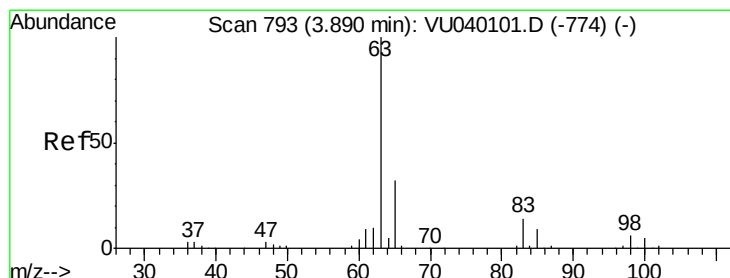
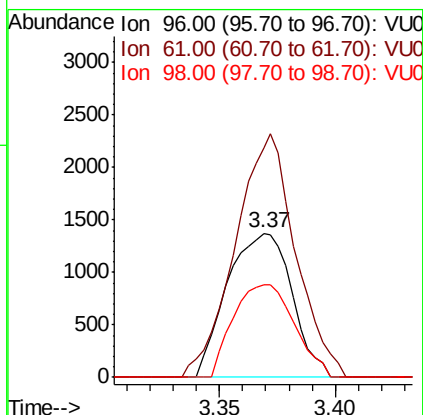
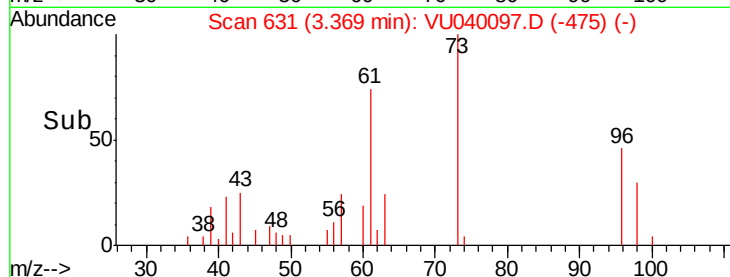
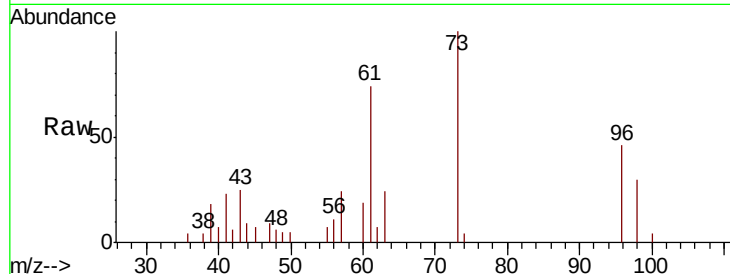




#16
trans-1,2-Dichloroethene
Concen: 0.439 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

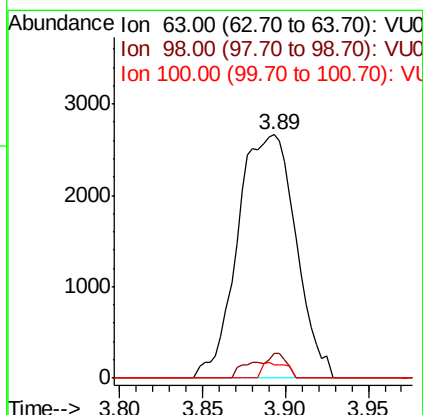
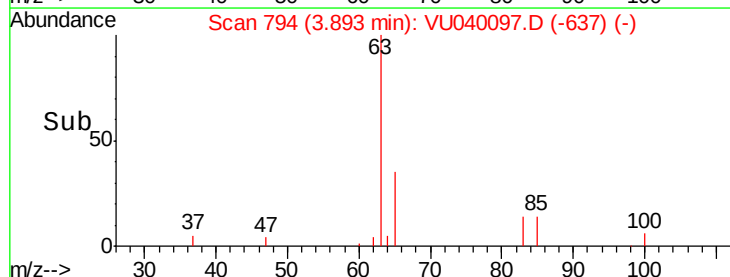
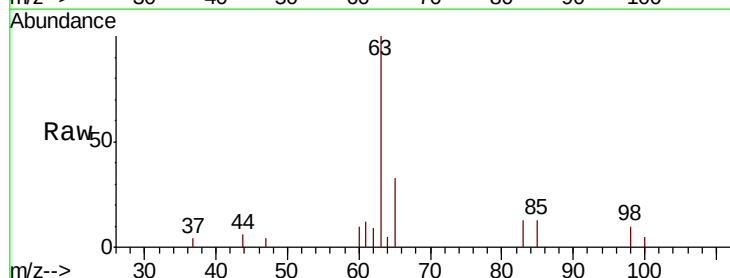
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

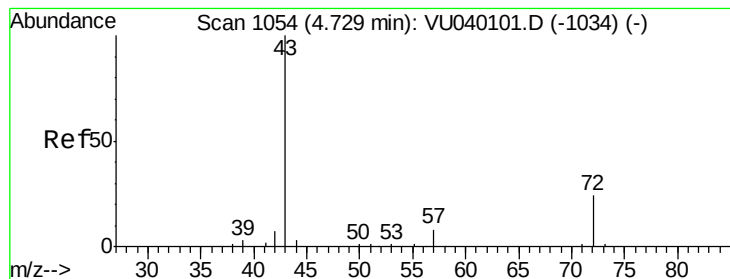
Tot Ion: 96 Resp: 2654
Ion Ratio Lower Upper
96 100
61 151.4 121.4 182.0
98 64.3 51.9 77.9



#17
1,1-Dichloroethane
Concen: 0.492 ug/l
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Tgt Ion: 63 Resp: 6484
Ion Ratio Lower Upper
63 100
98 9.9 3.1 9.4#
100 5.5 2.0 5.8





#18

2-Butanone

Concen: 5.379 ug/l

RT: 4.74 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

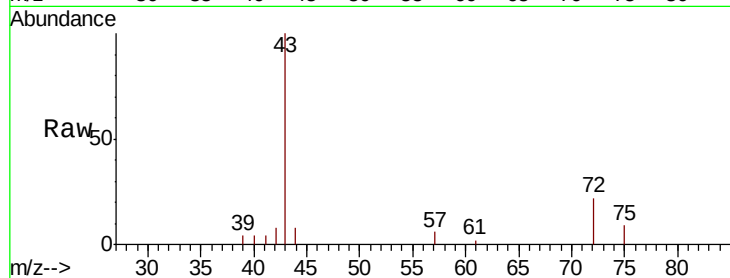
VSTDIC0.5

Tot Ion: 43 Resp: 14542

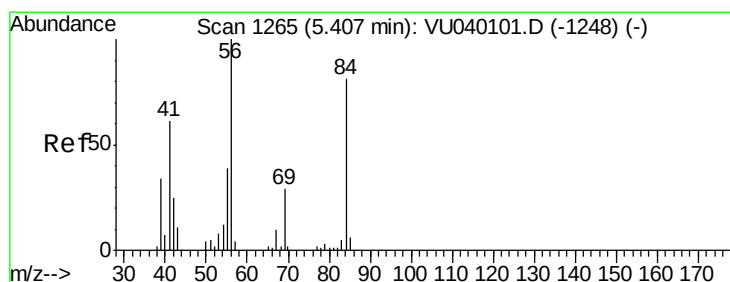
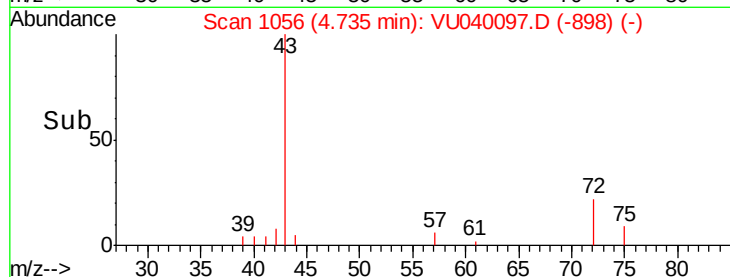
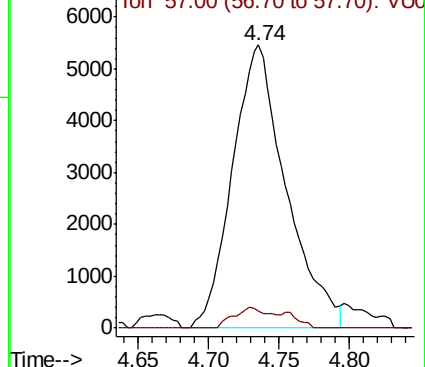
Ion Ratio Lower Upper

43 100

57 5.9 0.0 15.2



Abundance Ion 43.00 (42.70 to 43.70): VU040097.D (-898) (-)



#19

Cyclohexane

Concen: 0.285 ug/l

RT: 5.40 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

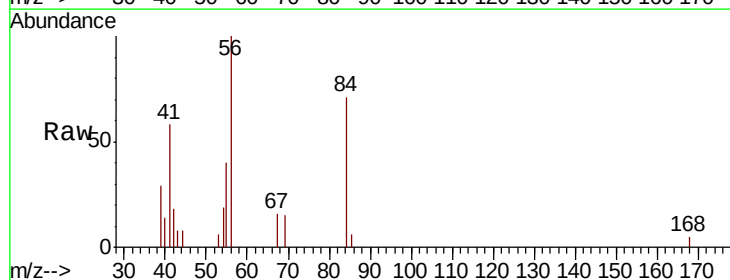
Tgt Ion: 56 Resp: 3123

Ion Ratio Lower Upper

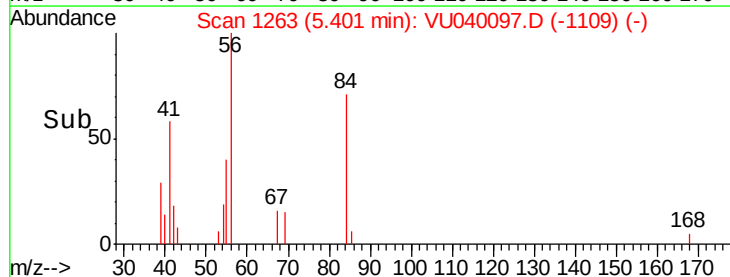
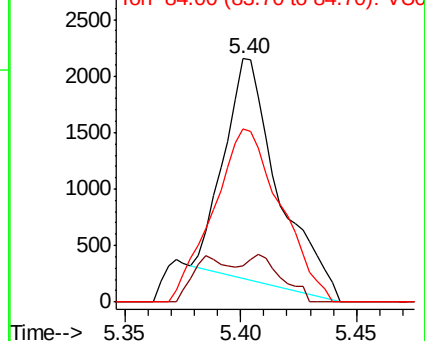
56 100

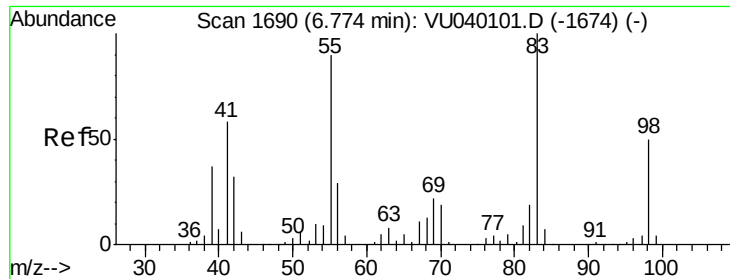
69 13.3 23.5 35.3#

84 99.2 63.8 95.6#



Abundance Ion 56.00 (55.70 to 56.70): VU040097.D (-1109) (-)

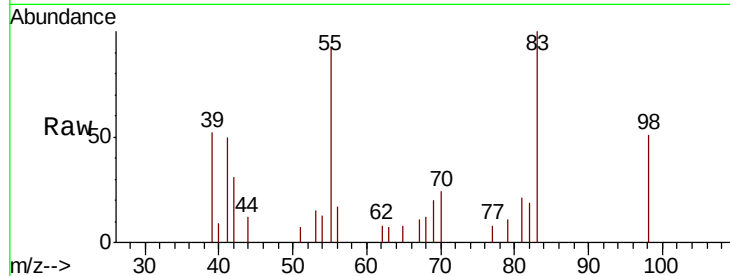




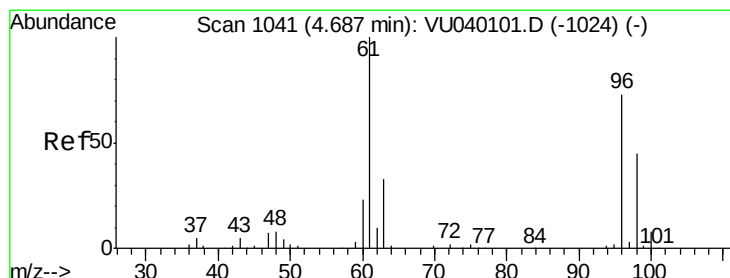
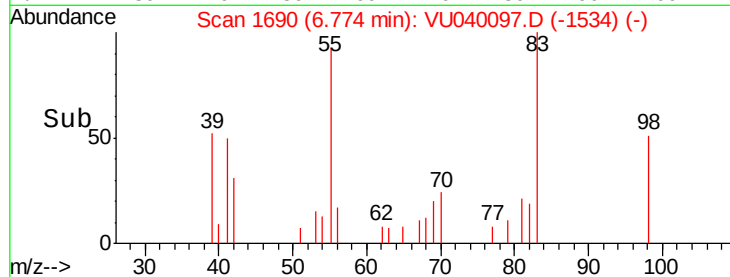
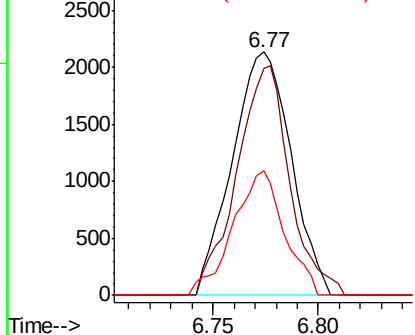
#20
Methylcyclohexane
Concen: 0.407 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion: 83 Resp: 4130
Ion Ratio Lower Upper
83 100
55 84.9 69.4 104.2
98 44.6 37.5 56.3

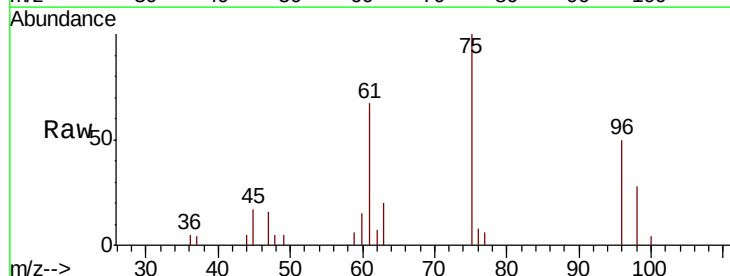


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

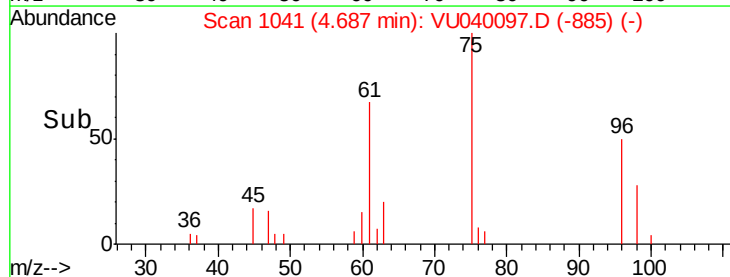
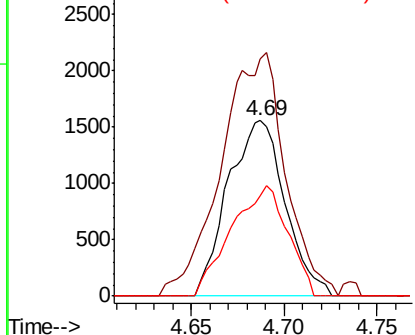


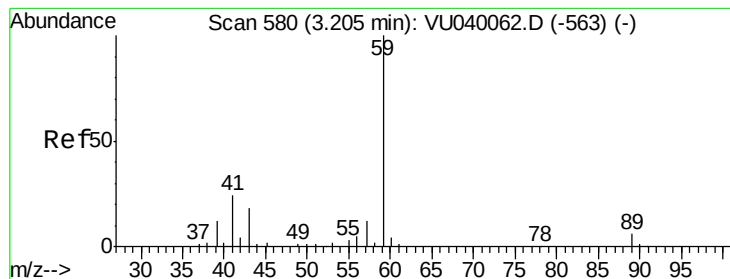
#22
cis-1,2-Dichloroethene
Concen: 0.473 ug/l
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Tgt Ion: 96 Resp: 3327
Ion Ratio Lower Upper
96 100
61 156.5 0.0 420.0
98 61.9 31.8 95.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



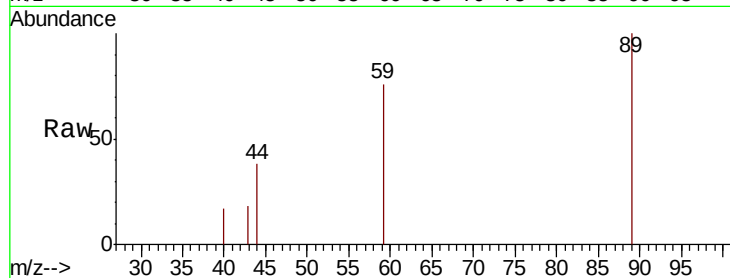


#24

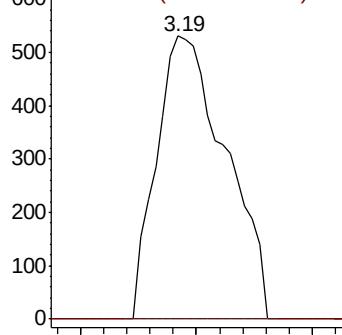
tert-Butyl Alcohol
 Concen: 1.555 ug/l
 RT: 3.19 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

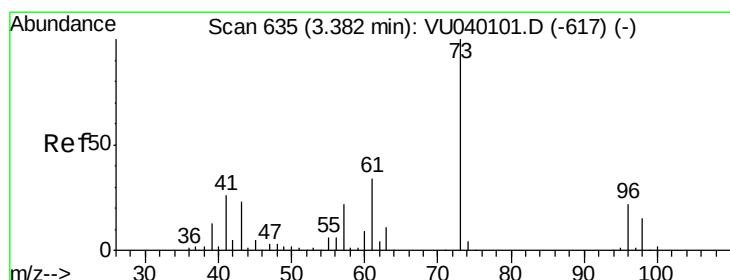
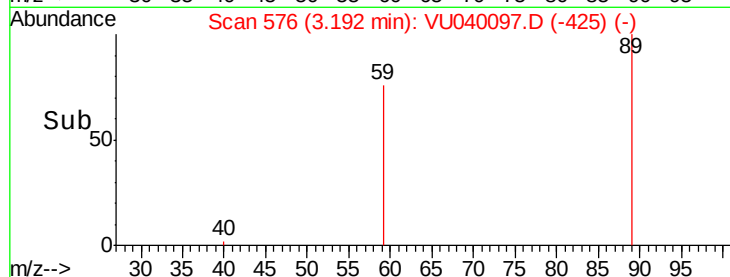
Tot Ion: 59 Resp: 1103
 Ion Ratio Lower Upper
 59 100
 57 189.8 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



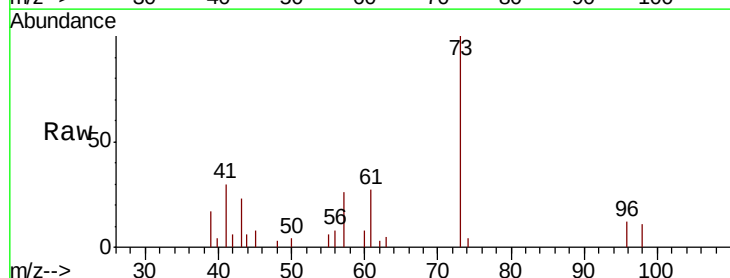
Time-->



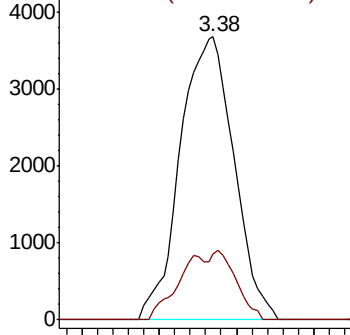
#25

Methyl tert-Butyl Ether
 Concen: 0.478 ug/l
 RT: 3.38 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

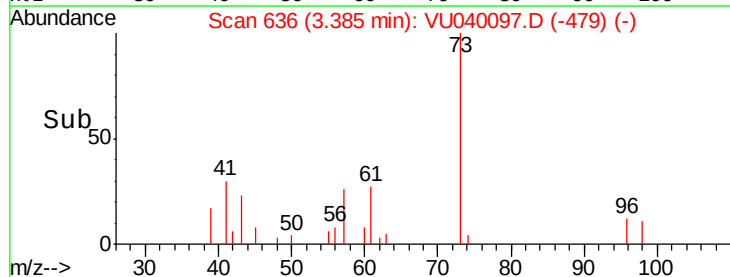
Tgt Ion: 73 Resp: 8866
 Ion Ratio Lower Upper
 73 100
 43 12.0 20.0 30.0#

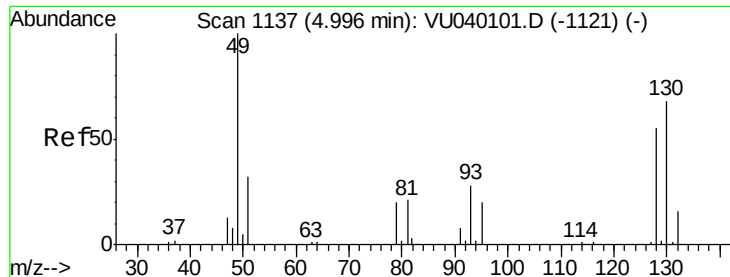


Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0



Time-->

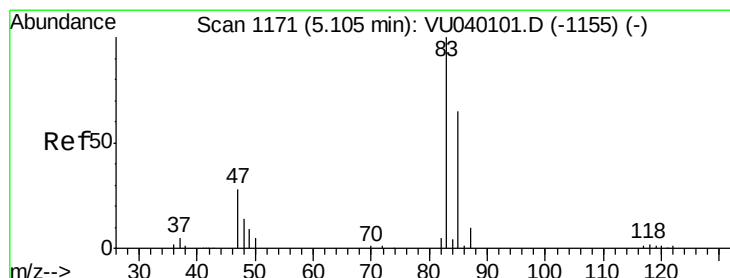
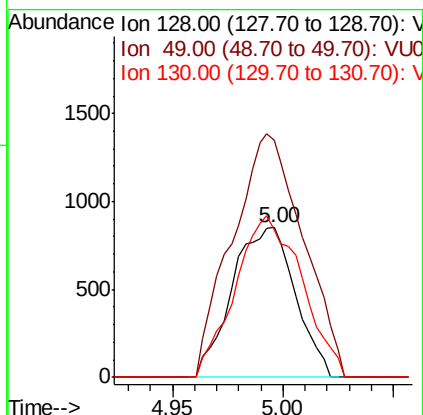
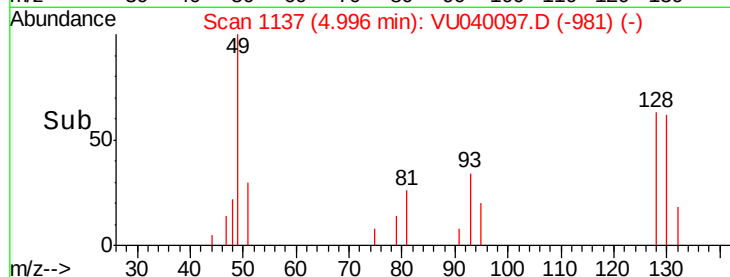
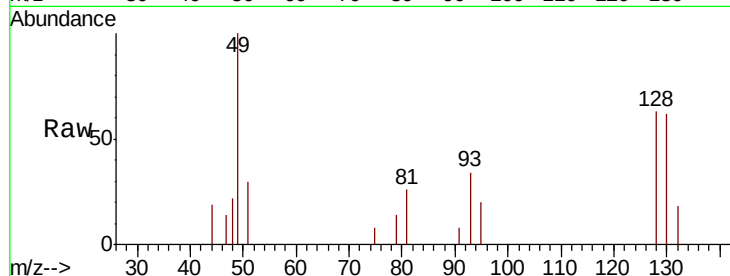




#26
Bromochloromethane
Concen: 0.553 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

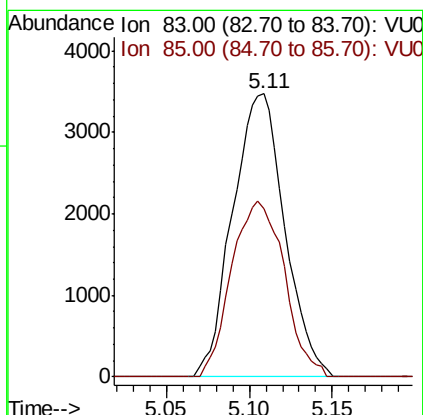
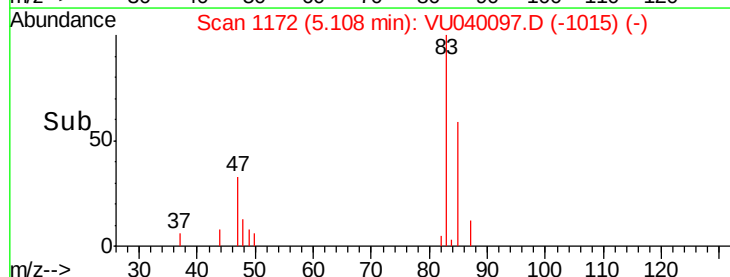
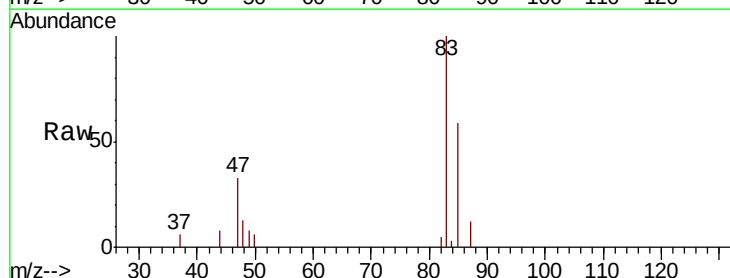
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

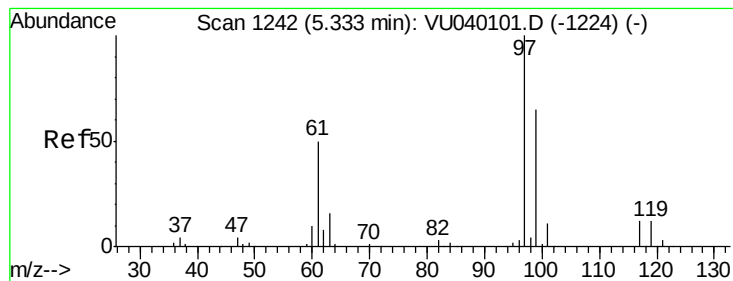
Tot Ion:128 Resp: 1689
Ion Ratio Lower Upper
128 100
49 182.5 0.0 390.6
130 114.0 104.9 157.3



#27
Chloroform
Concen: 0.565 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Tgt Ion: 83 Resp: 7553
Ion Ratio Lower Upper
83 100
85 59.3 0.0 132.4





#28

1,1,1-Trichloroethane

Concen: 0.523 ug/l

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

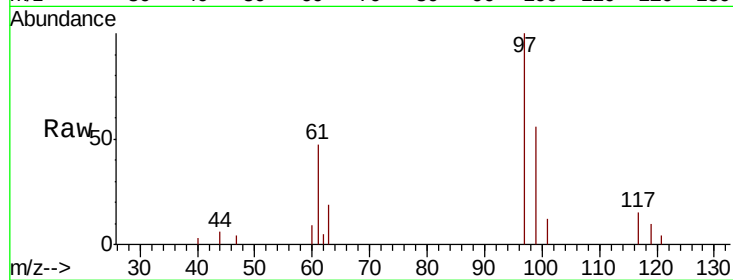
Tot Ion: 97 Resp: 6080

Ion Ratio Lower Upper

97 100

99 69.5 31.8 95.4

61 53.3 25.1 75.2

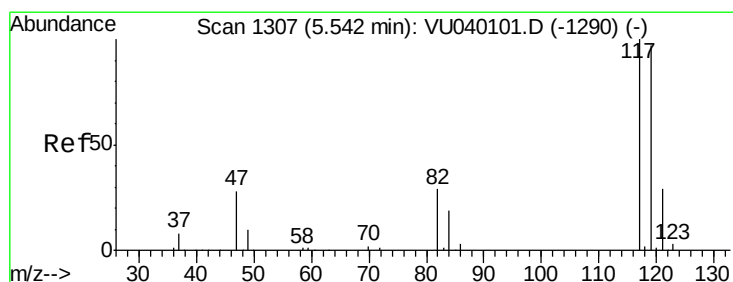
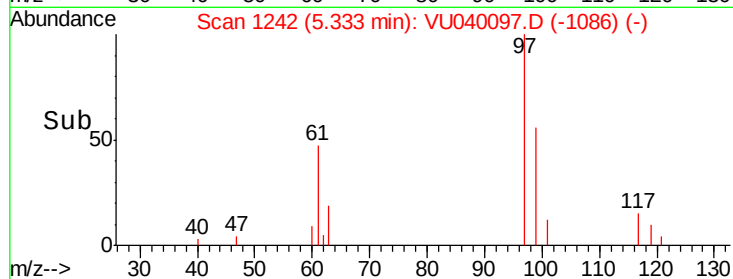
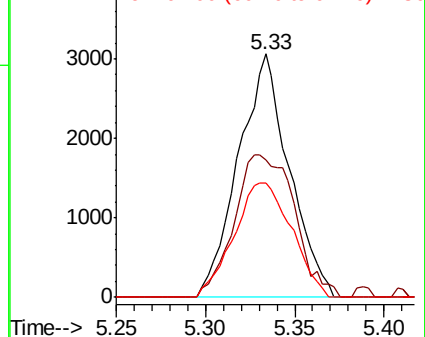


Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#30

Carbon Tetrachloride

Concen: 0.472 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

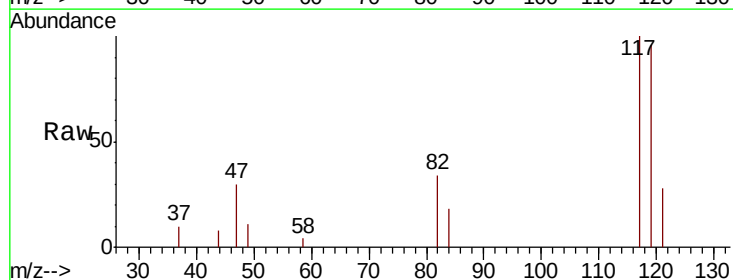
Tgt Ion: 117 Resp: 4978

Ion Ratio Lower Upper

117 100

119 96.4 77.0 115.4

121 28.4 24.2 36.4

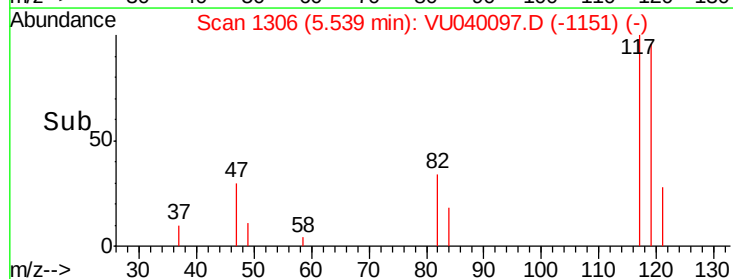
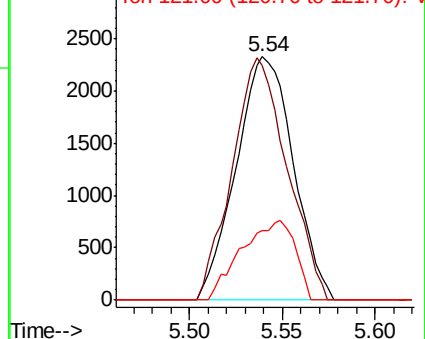


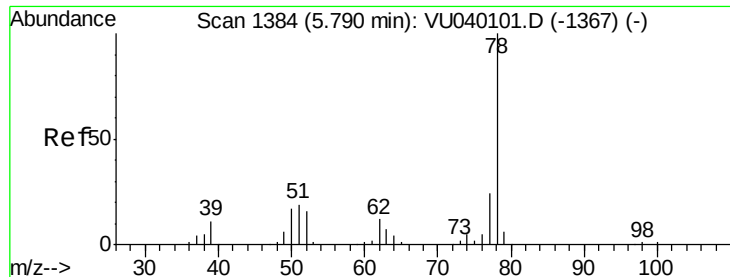
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#35

Benzene

Concen: 0.465 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

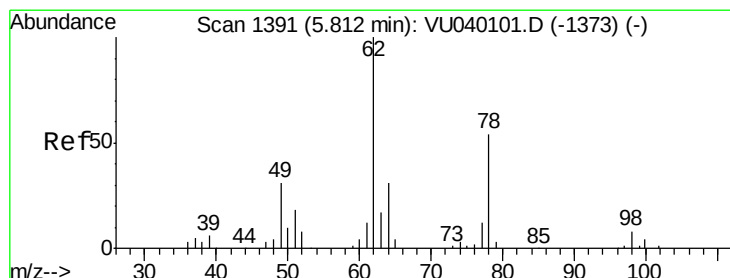
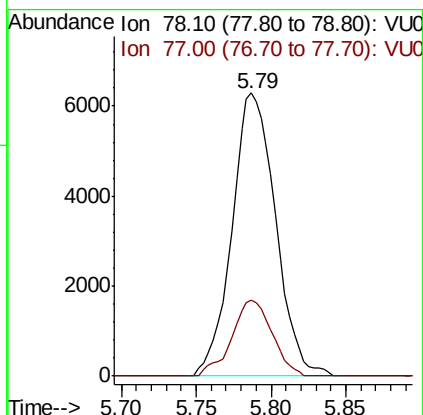
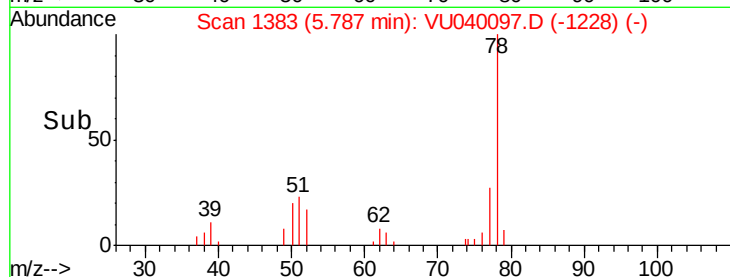
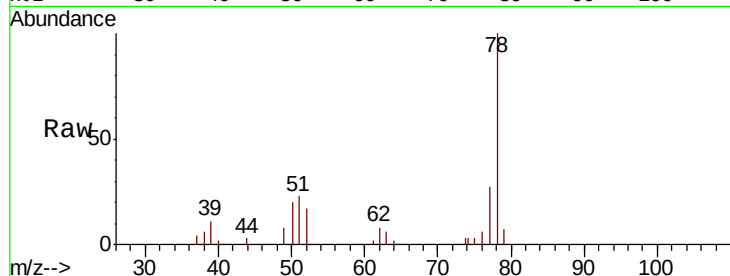
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 78 Resp: 12736

Ion Ratio Lower Upper

78 100

77 26.7 19.1 28.7



#36

1,2-Dichloroethane

Concen: 0.502 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040097.D

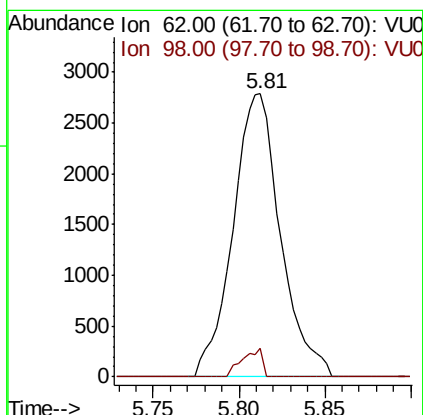
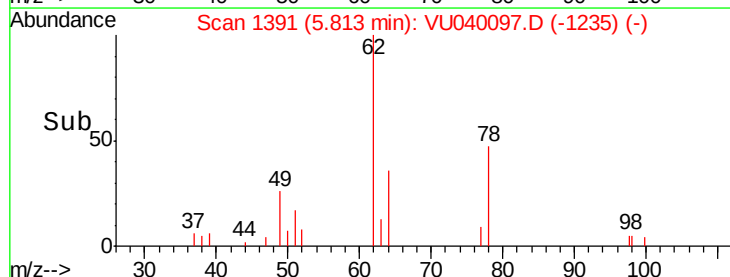
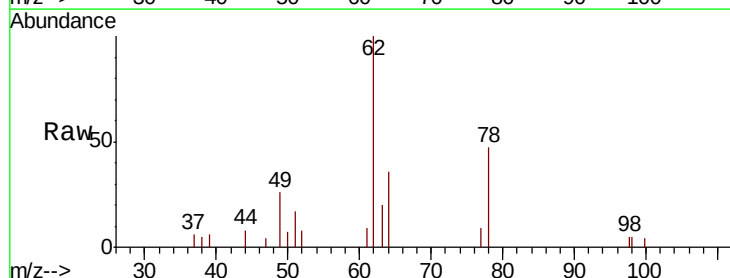
Acq: 11 Sep 2020 10:58

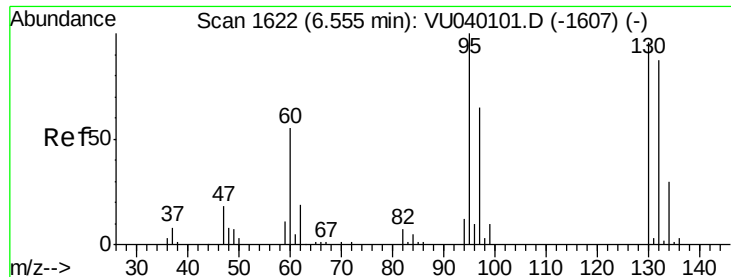
Tgt Ion: 62 Resp: 5353

Ion Ratio Lower Upper

62 100

98 4.1 6.5 9.7#

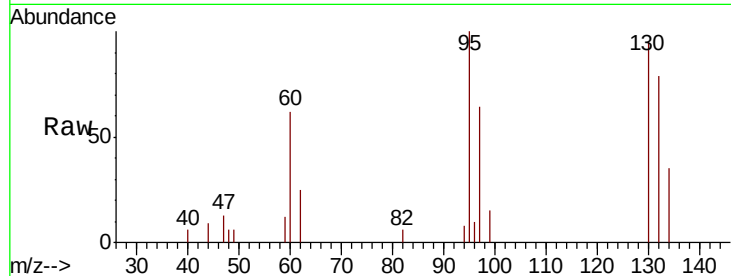




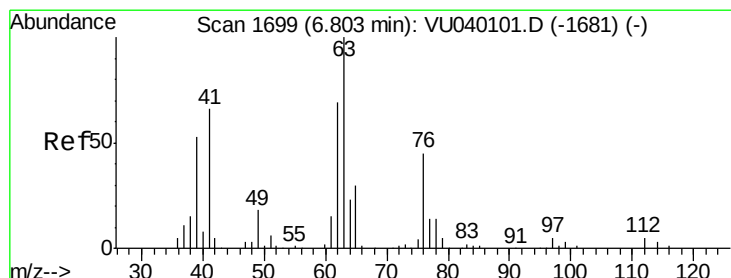
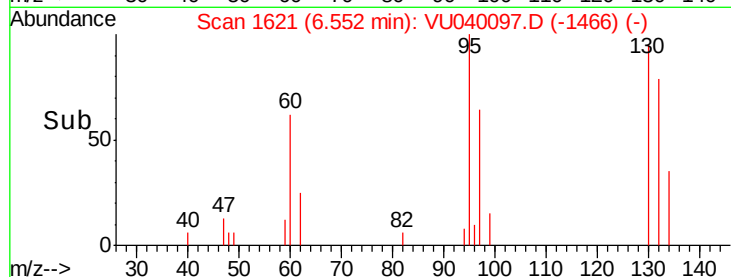
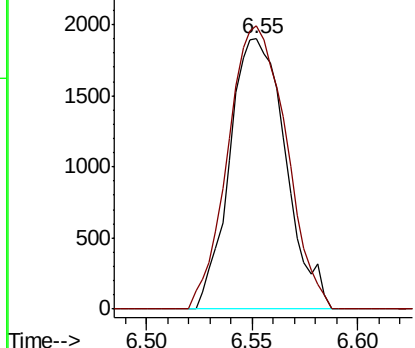
#37
 Trichloroethene
 Concen: 0.503 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:130 Resp: 3503
 Ion Ratio Lower Upper
 130 100
 95 104.7 84.2 126.2

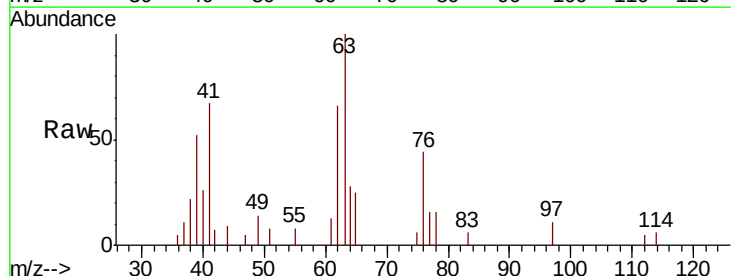


Abundance Ion 129.90 (129.60 to 130.60): VU040101.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU040101.D (-1607) (-)

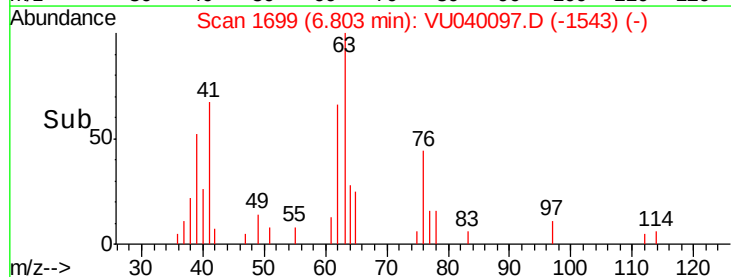
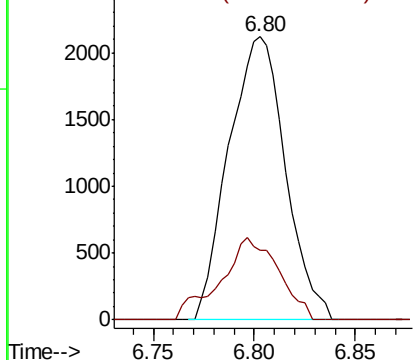


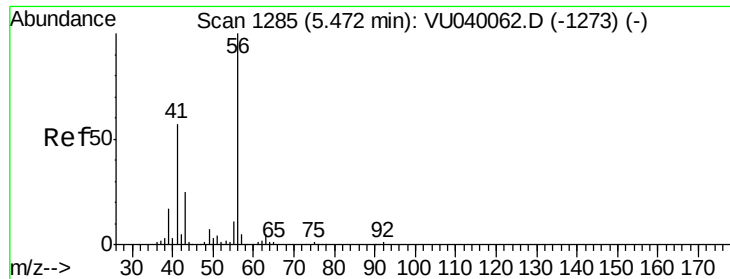
#38
 1,2-Dichloropropane
 Concen: 0.523 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Tgt Ion: 63 Resp: 4154
 Ion Ratio Lower Upper
 63 100
 65 24.7 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VU040101.D (-1681) (-)
 Ion 65.00 (64.70 to 65.70): VU040101.D (-1681) (-)





#42

1-Chlorobutane

Concen: 0.256 ug/l

RT: 5.40 min Scan# 1263

Delta R.T. -0.07 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

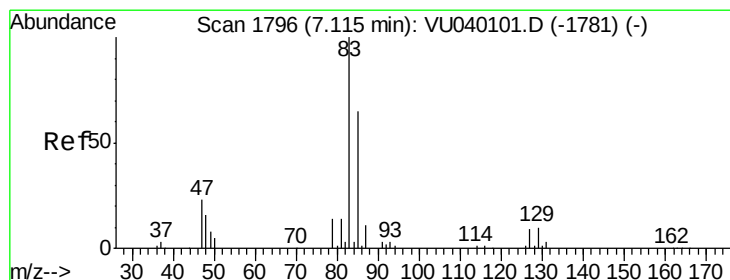
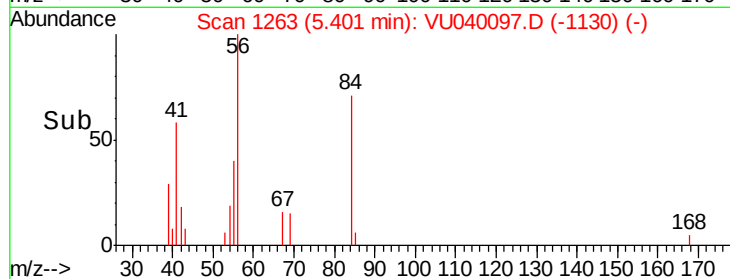
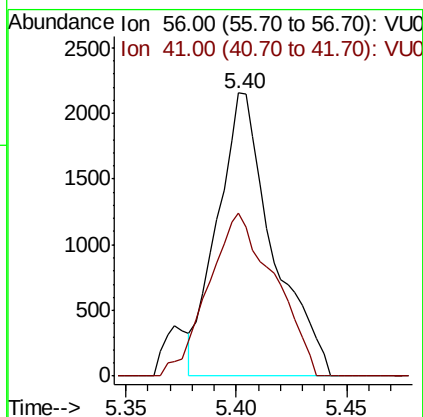
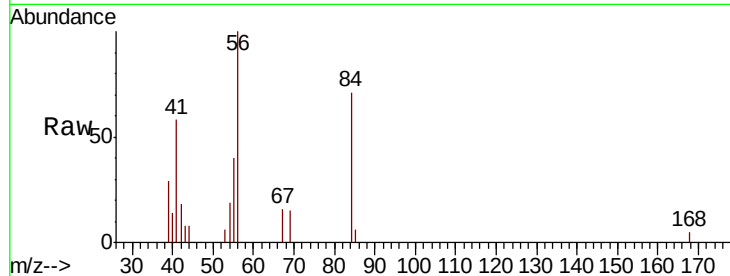
VSTDIC0.5

Tot Ion: 56 Resp: 3744

Ion Ratio Lower Upper

56 100

41 68.9 29.2 87.6



#44

Bromodichloromethane

Concen: 0.523 ug/l

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

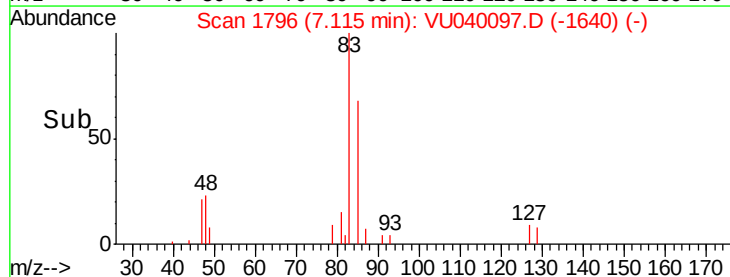
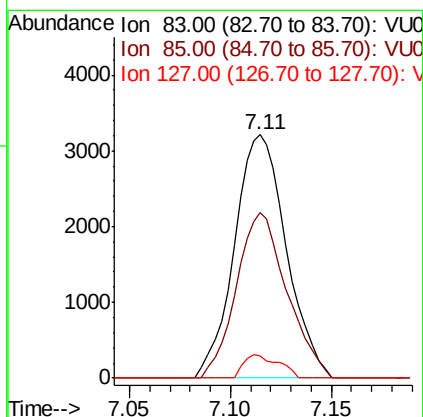
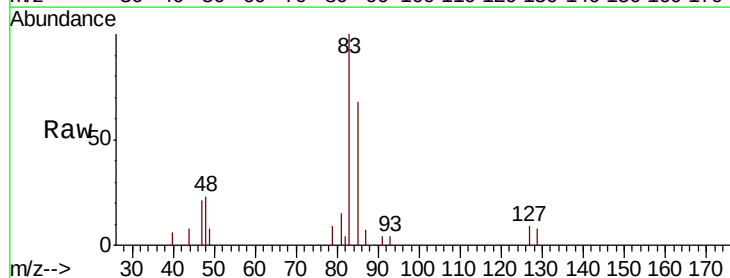
Tgt Ion: 83 Resp: 5761

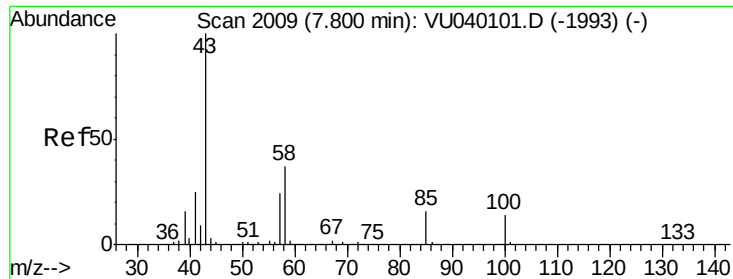
Ion Ratio Lower Upper

83 100

85 68.1 52.1 78.1

127 9.0 6.6 9.8

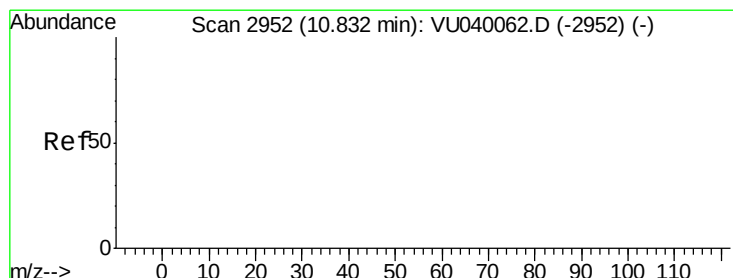
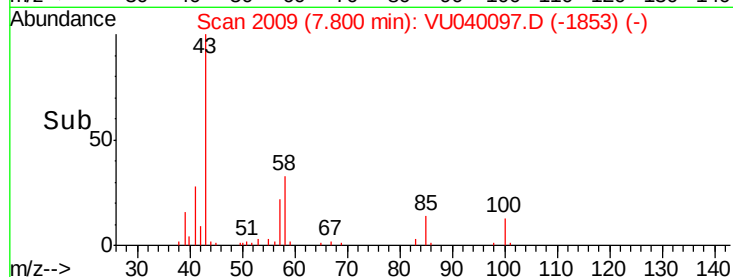
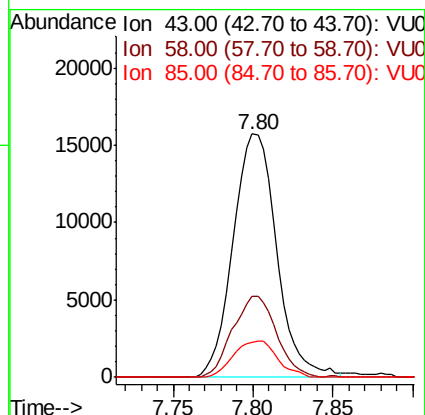
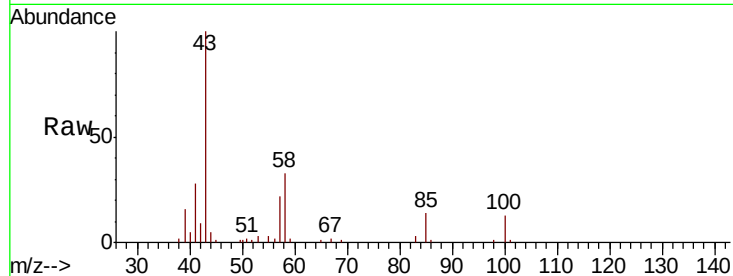




#45
4-Methyl-2-Pentanone
Concen: 4.684 ug/l
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

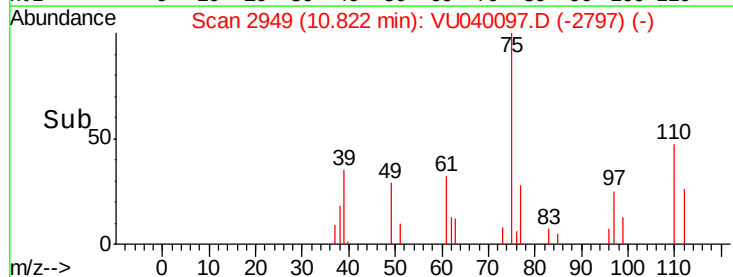
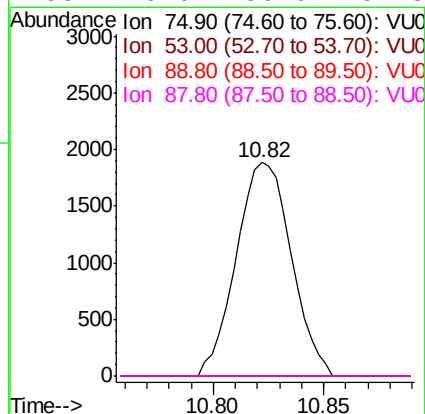
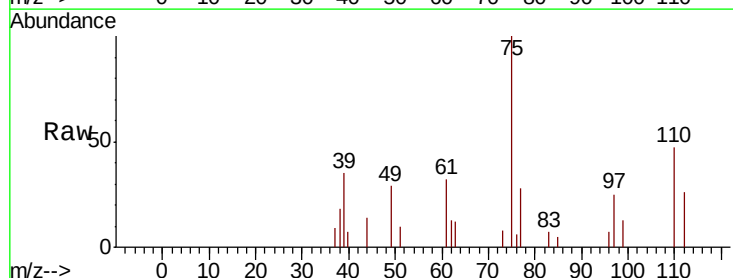
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

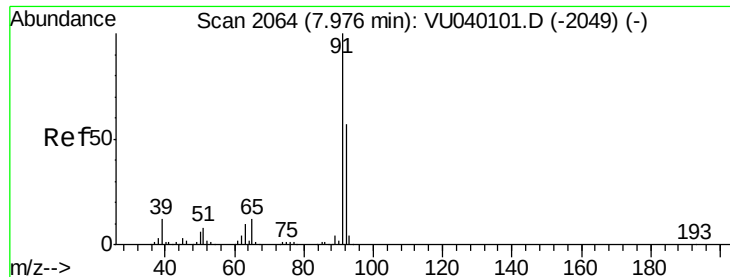
Tot Ion	43	Resp	29265
Ion Ratio	Lower	Upper	
43	100		
58	33.4	18.1	54.3
85	15.0	12.3	18.5



#46
t-1,4-Dichloro-2-butene
Concen: 1.362 ug/l
RT: 10.82 min Scan# 2949
Delta R.T. -0.01 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Tgt Ion	75	Resp	3255
Ion Ratio	Lower	Upper	
75	100		
53	0.0	75.0	112.6#
89	0.0	41.6	62.4#
88	0.0	36.6	54.8#





#49

Toluene

Concen: 0.412 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

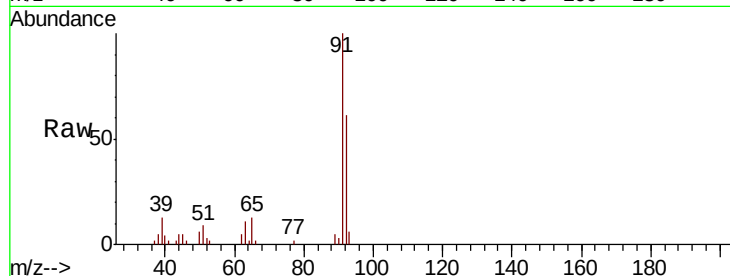
VSTDIC0.5

Tot Ion: 92 Resp: 6828

Ion Ratio Lower Upper

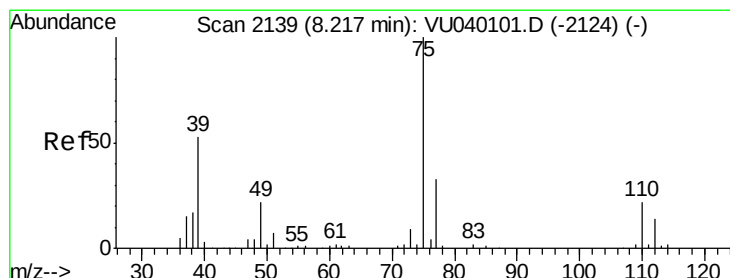
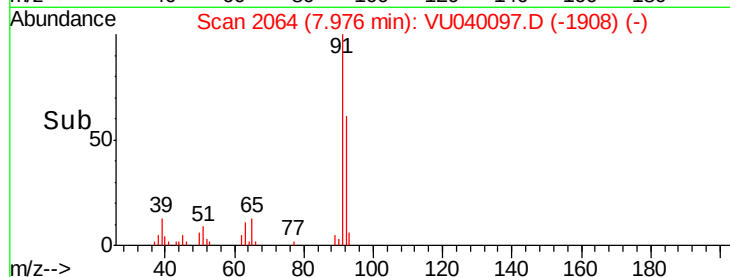
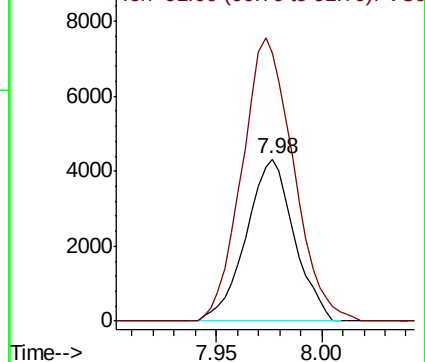
92 100

91 187.8 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VU040097.D (-1908) (-)

Ion 91.00 (90.70 to 91.70): VU040097.D (-1908) (-)



#50

t-1,3-Dichloropropene

Concen: 0.513 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040097.D

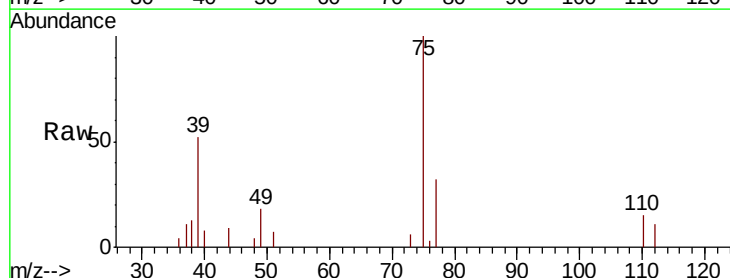
Acq: 11 Sep 2020 10:58

Tgt Ion: 75 Resp: 5094

Ion Ratio Lower Upper

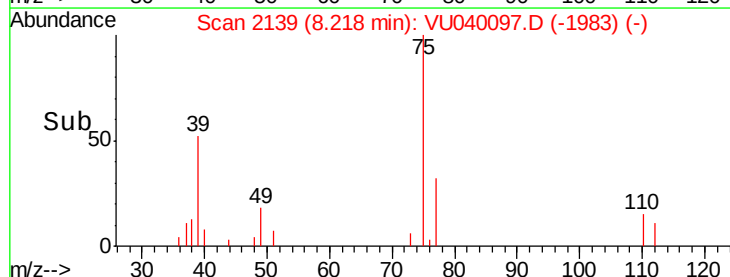
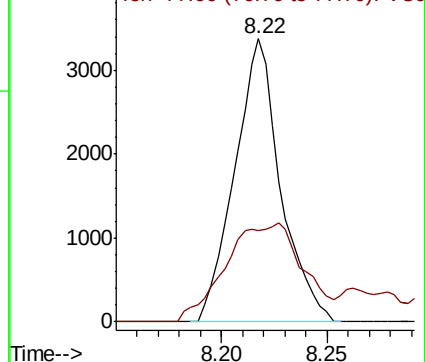
75 100

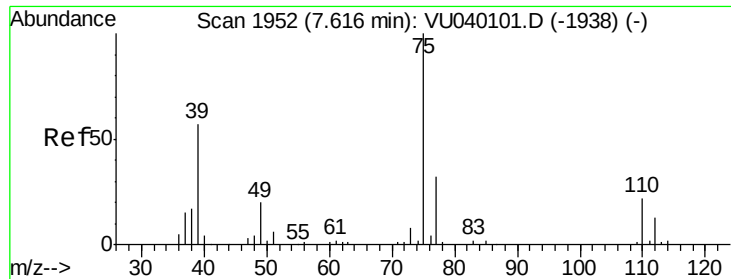
77 27.1 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU040097.D (-1983) (-)

Ion 77.00 (76.70 to 77.70): VU040097.D (-1983) (-)



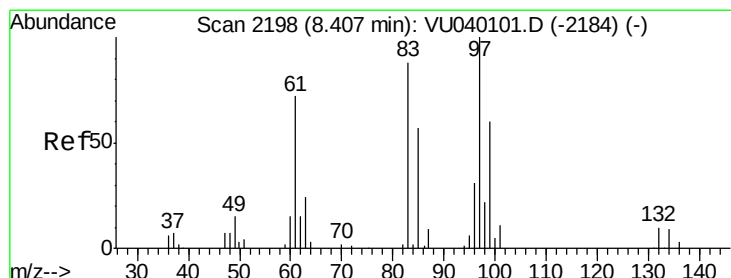
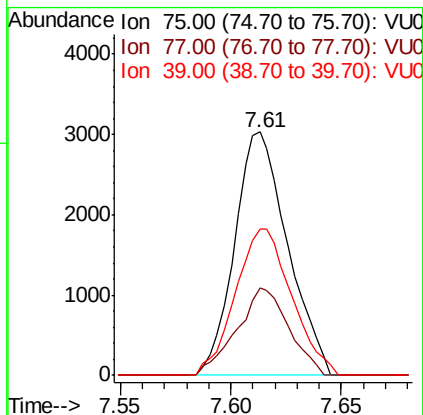
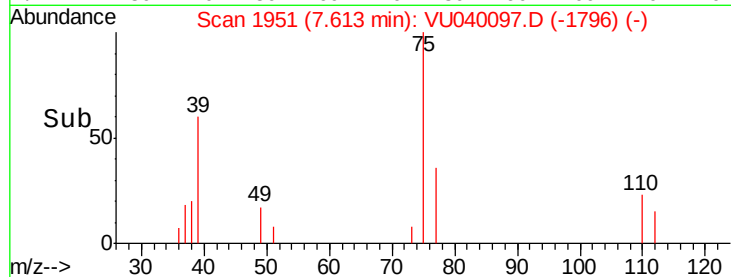
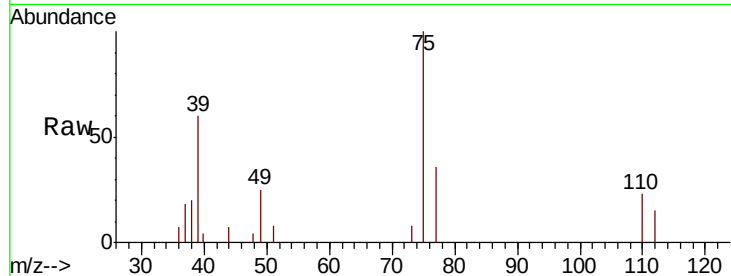


#51

cis-1,3-Dichloropropene
 Concen: 0.458 ug/l
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

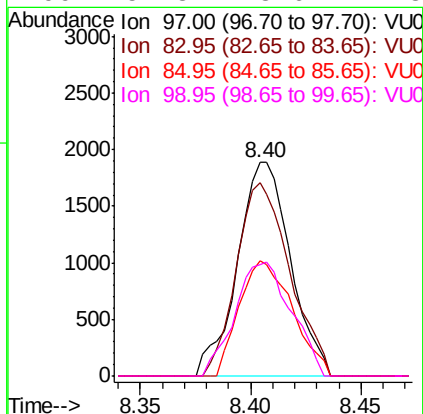
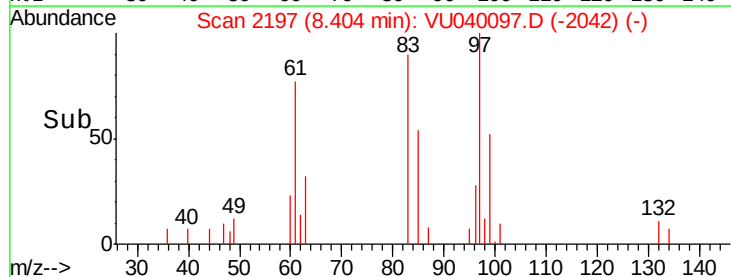
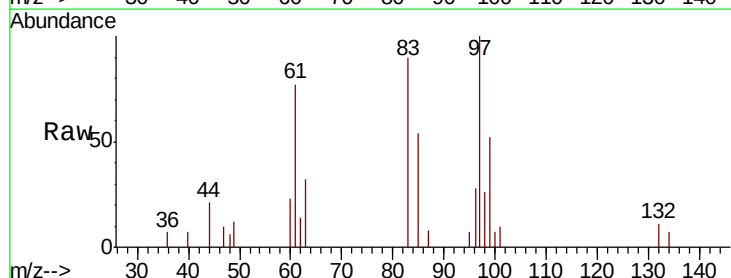
Tot Ion: 75 Resp: 5060
 Ion Ratio Lower Upper
 75 100
 77 36.1 24.6 37.0
 39 60.3 46.2 69.4

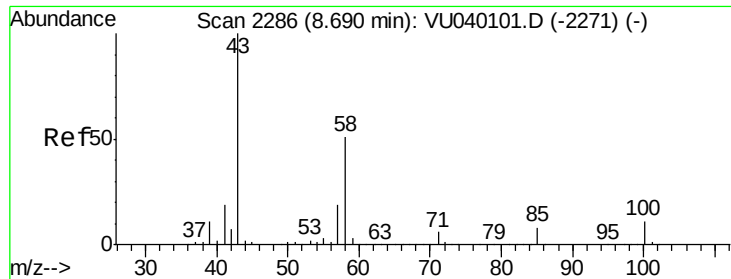


#52

1,1,2-Trichloroethane
 Concen: 0.538 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Tgt Ion: 97 Resp: 3160
 Ion Ratio Lower Upper
 97 100
 83 90.2 68.7 103.1
 85 54.2 46.7 70.1
 99 52.3 48.6 72.8

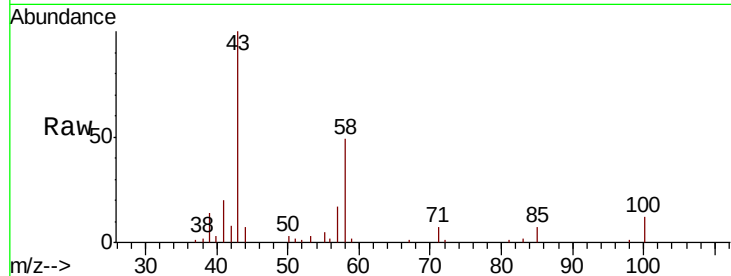




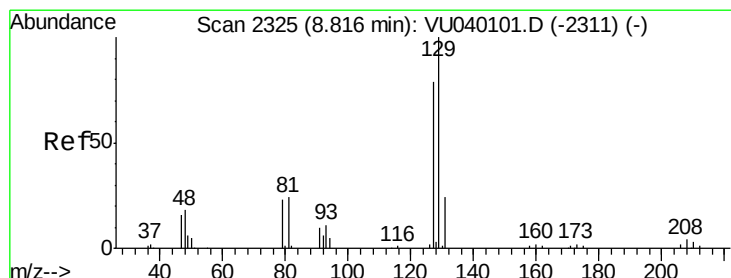
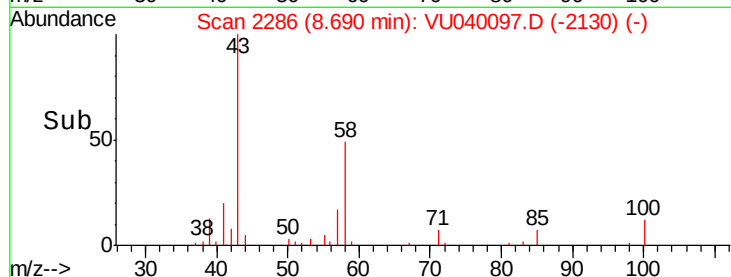
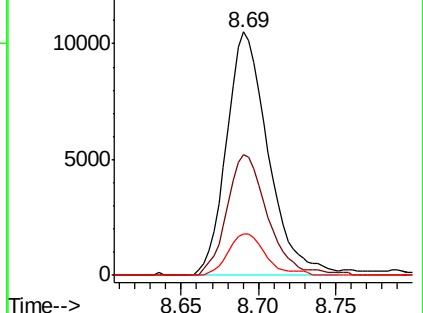
#54
2-Hexanone
Concen: 4.340 ug/l
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion: 43 Resp: 19658
Ion Ratio Lower Upper
43 100
58 47.3 29.6 69.6
57 15.3 0.0 37.8

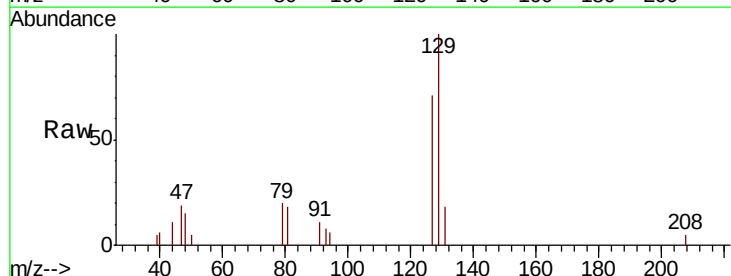


Abundance Ion 43.00 (42.70 to 43.70): VU040101.D (-2271) (-)
Ion 58.00 (57.70 to 58.70): VU040101.D (-2271) (-)
Ion 57.00 (56.70 to 57.70): VU040101.D (-2271) (-)

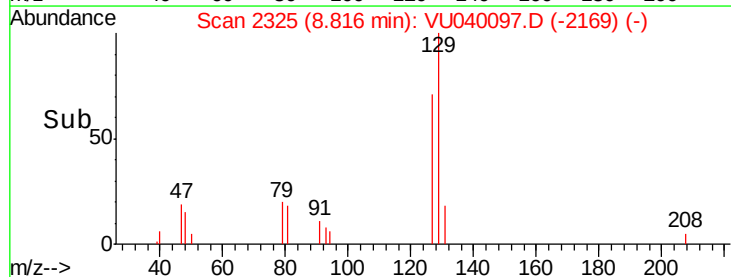
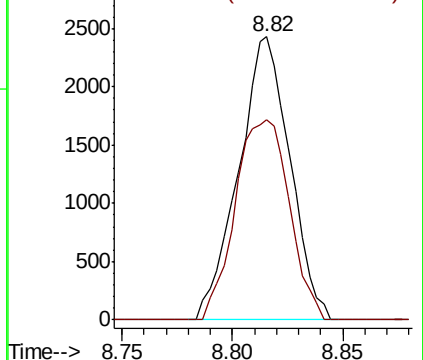


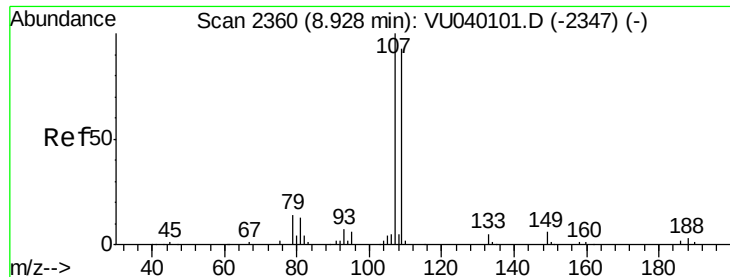
#55
Dibromochloromethane
Concen: 0.570 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Tgt Ion: 129 Resp: 3908
Ion Ratio Lower Upper
129 100
127 74.6 62.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): VU040101.D (-2311) (-)
Ion 127.00 (126.70 to 127.70): VU040101.D (-2311) (-)

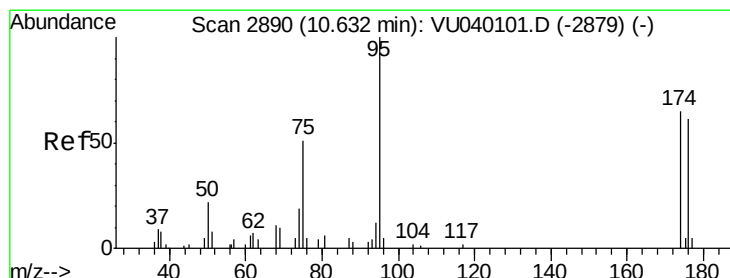
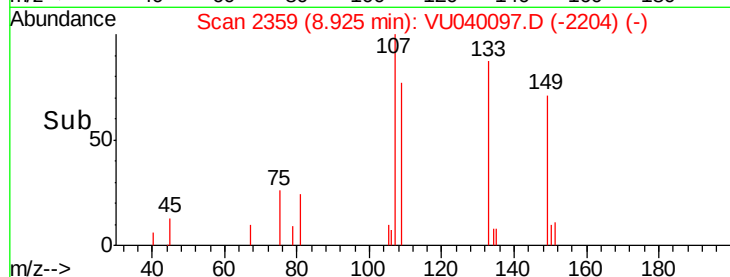
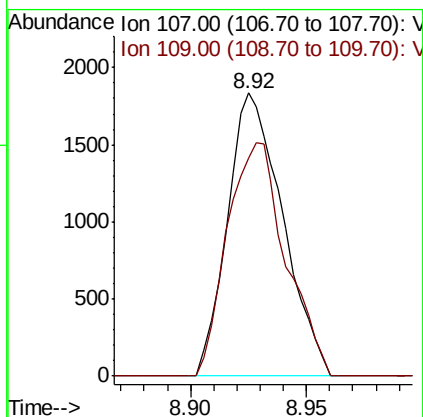
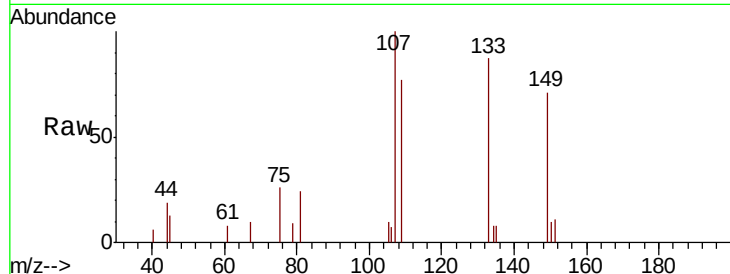




#56
 1,2-Dibromoethane
 Concen: 0.551 ug/l
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

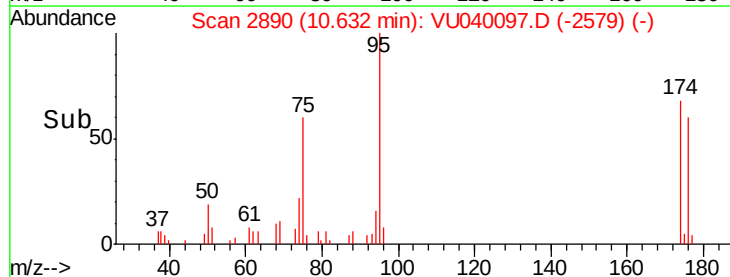
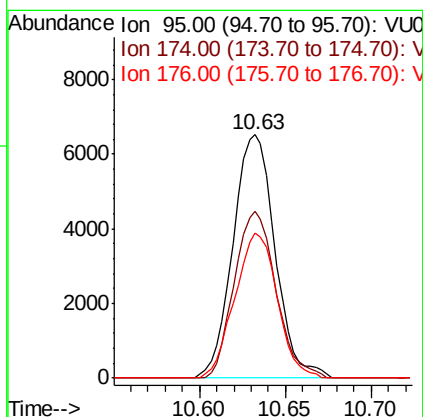
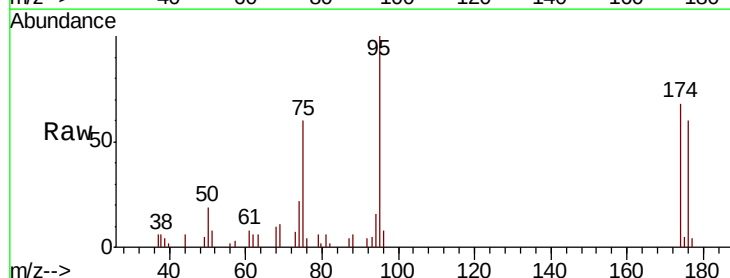
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

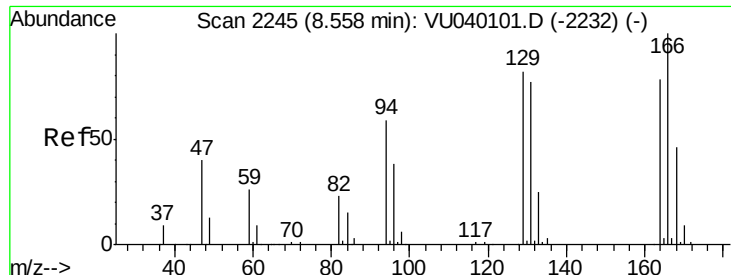
Tot Ion:107 Resp: 3021
 Ion Ratio Lower Upper
 107 100
 109 87.6 0.0 191.0



#57
 4-Bromofluorobenzene
 Concen: 1.056 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. 0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Tgt Ion: 95 Resp: 11087
 Ion Ratio Lower Upper
 95 100
 174 67.8 49.4 74.0
 176 59.8 50.1 75.1





#58

Tetrachloroethene

Concen: 0.354 ug/l

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:164 Resp: 2392

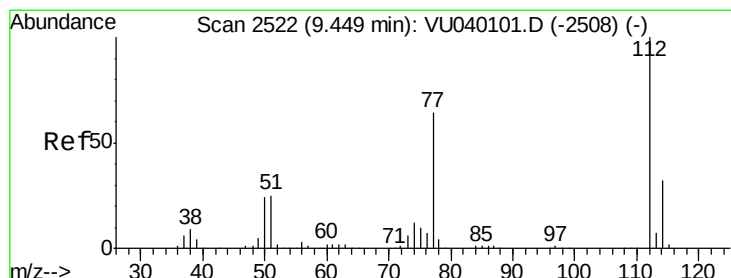
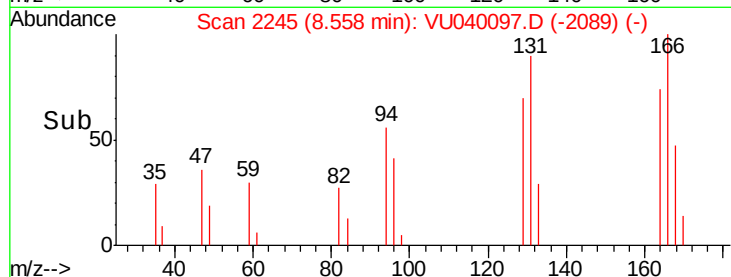
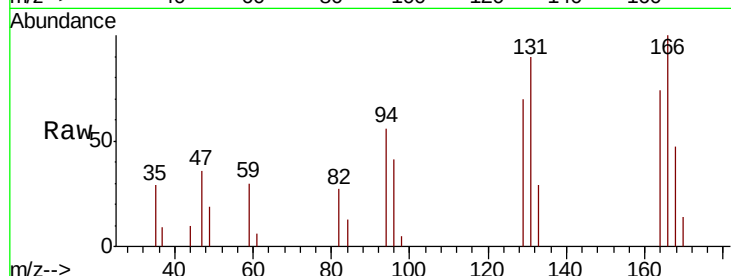
Ion Ratio Lower Upper

164 100

166 135.5 101.3 151.9

129 94.9 84.8 127.2

131 121.3 81.8 122.6



#59

Chlorobenzene

Concen: 0.498 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040097.D

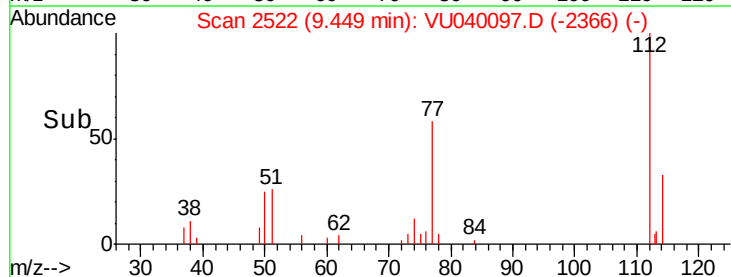
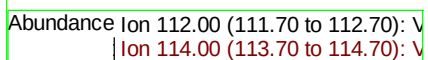
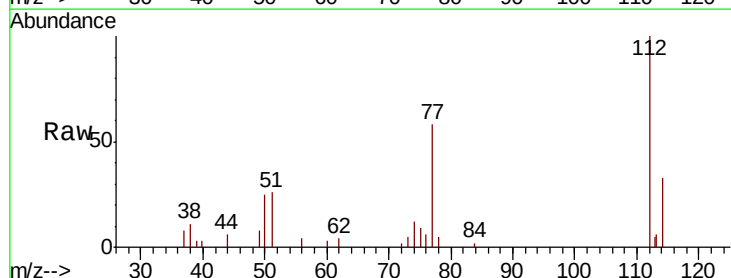
Acq: 11 Sep 2020 10:58

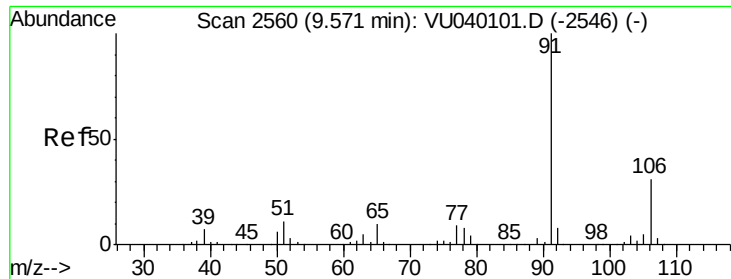
Tgt Ion:112 Resp: 9152

Ion Ratio Lower Upper

112 100

114 32.5 24.8 37.2

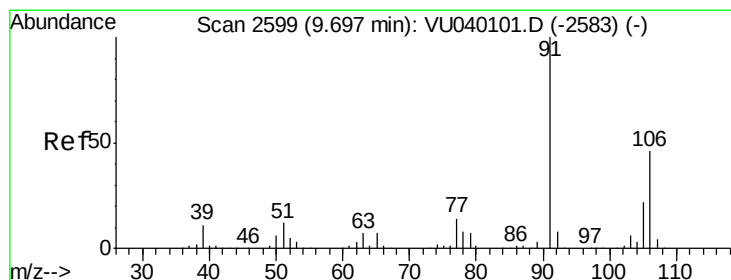
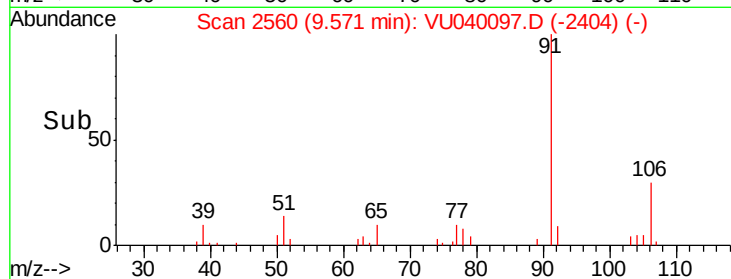
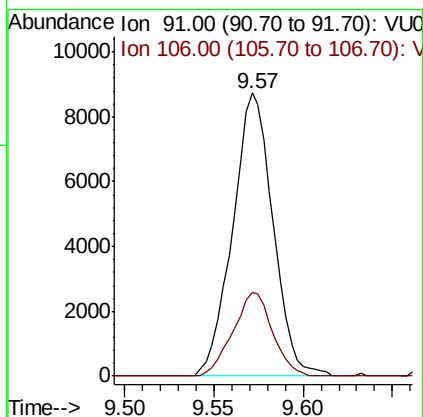
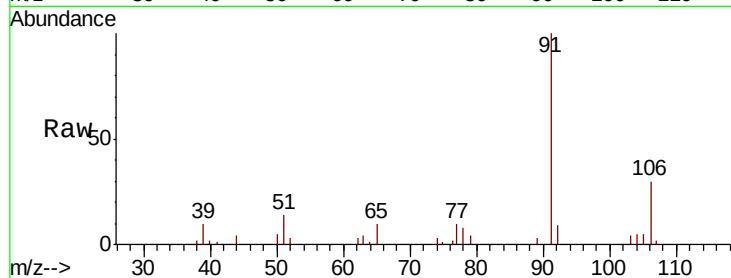




#63
Ethyl Benzene
Concen: 0.438 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

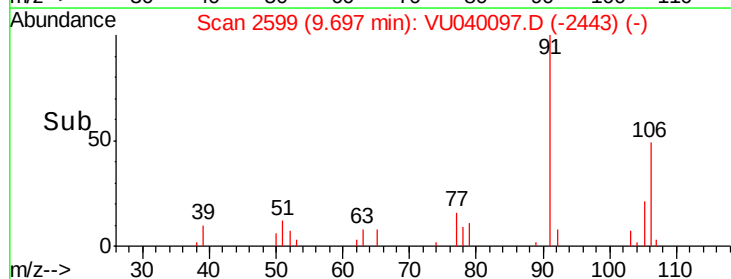
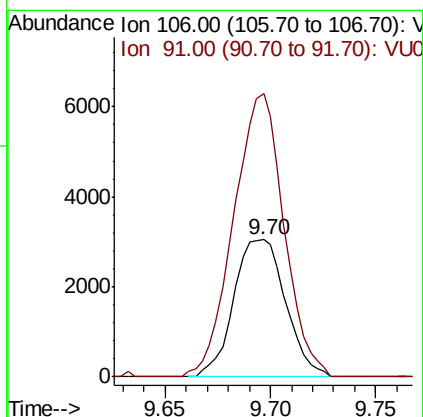
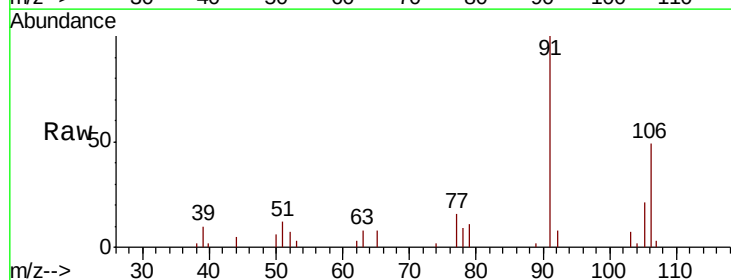
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

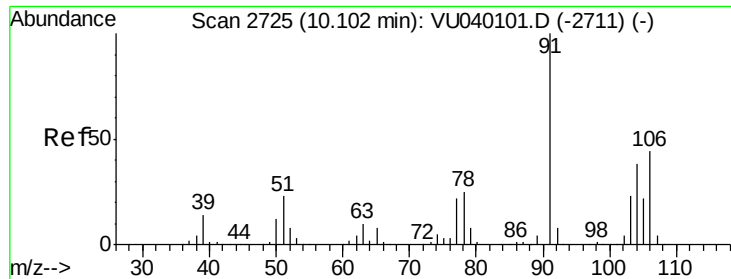
Tot Ion: 91 Resp: 13729
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8



#64
m/p-Xylenes
Concen: 0.443 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Tgt Ion: 106 Resp: 5193
Ion Ratio Lower Upper
106 100
91 200.8 171.4 257.2

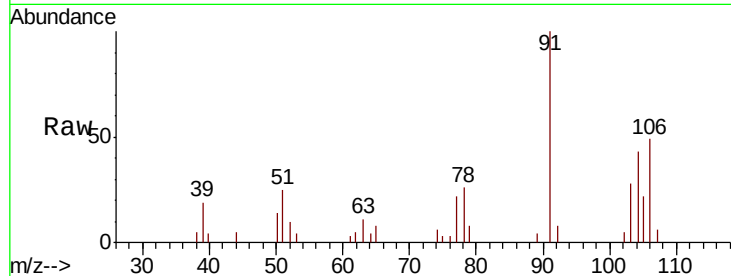




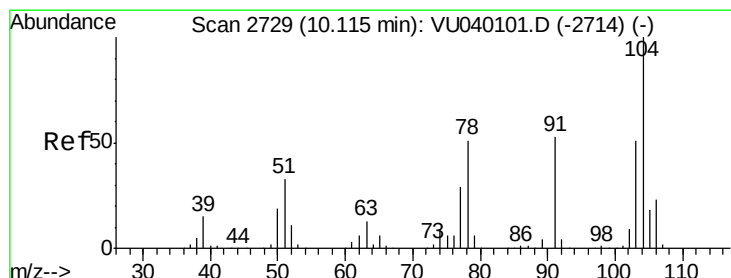
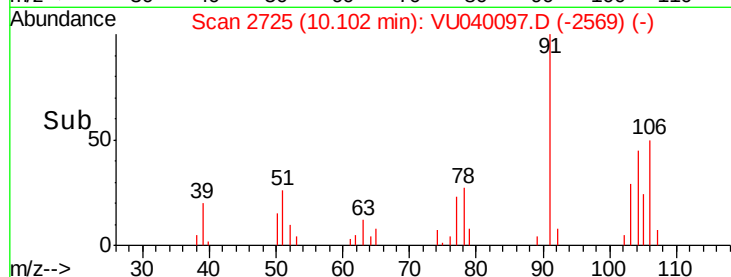
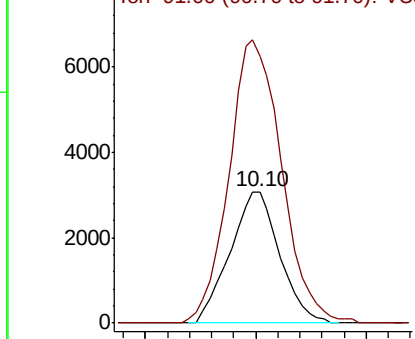
#65
o-Xylene
Concen: 0.426 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:106 Resp: 4815
Ion Ratio Lower Upper
106 100
91 229.1 114.2 342.6

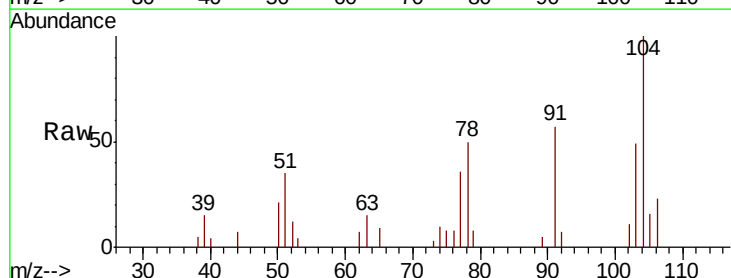


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

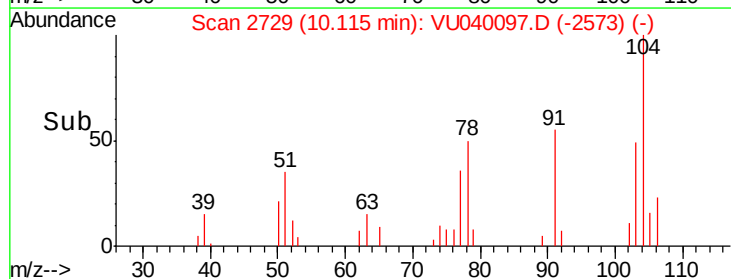
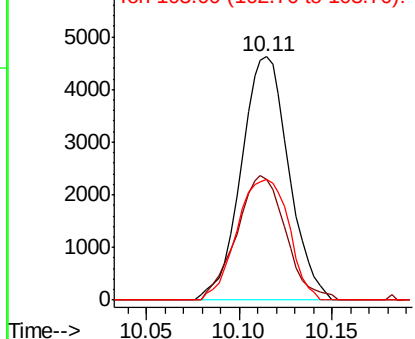


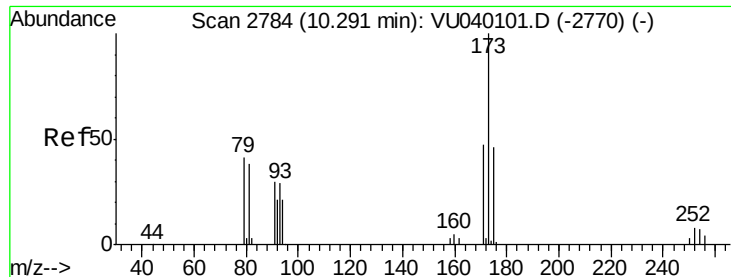
#66
Styrene
Concen: 0.414 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040097.D
Acq: 11 Sep 2020 10:58

Tgt Ion:104 Resp: 8219
Ion Ratio Lower Upper
104 100
78 52.7 43.9 65.9
103 53.9 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.594 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

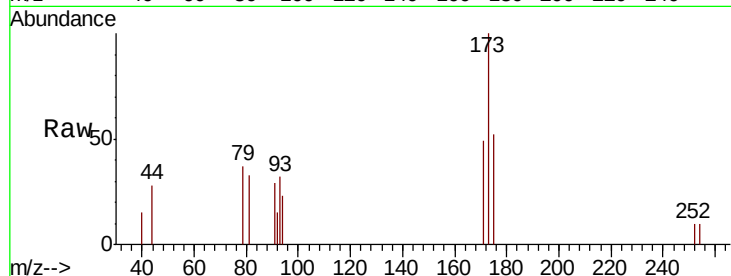
Tot Ion:173 Resp: 2097

Ion Ratio Lower Upper

173 100

175 44.9 38.0 57.0

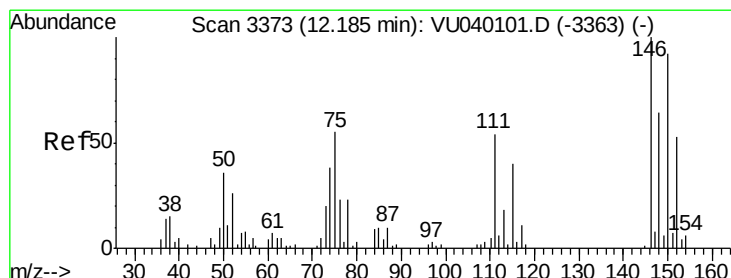
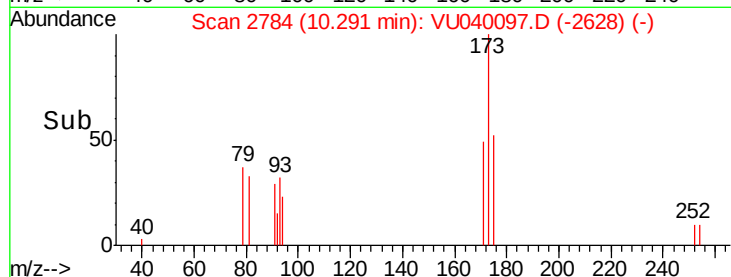
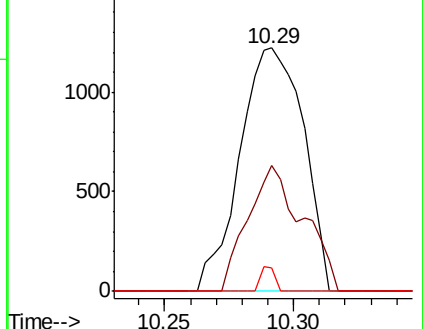
254 2.2 5.8 8.8#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.892 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

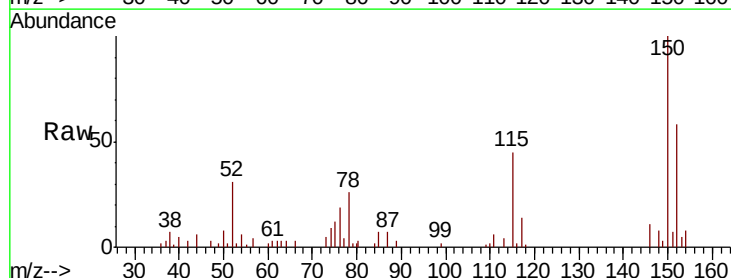
Tgt Ion:152 Resp: 8560

Ion Ratio Lower Upper

152 100

115 79.0 0.0 309.0

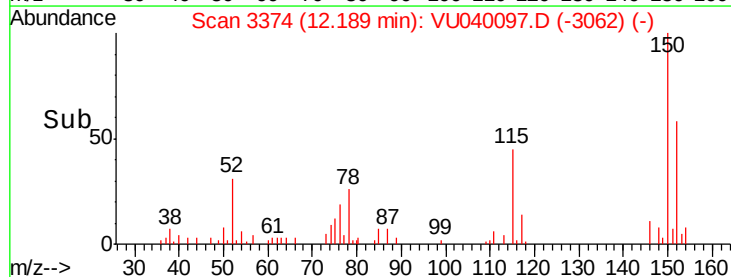
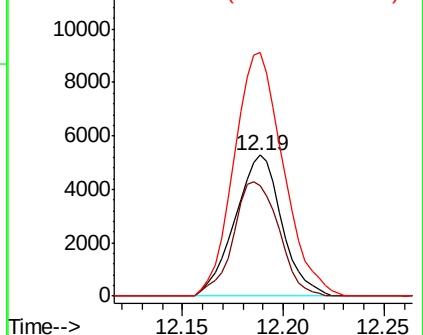
150 182.6 0.0 658.2

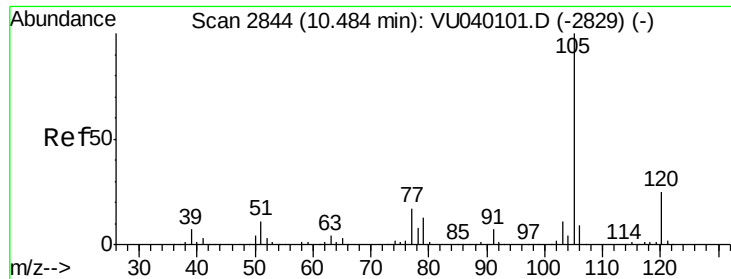


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.442 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

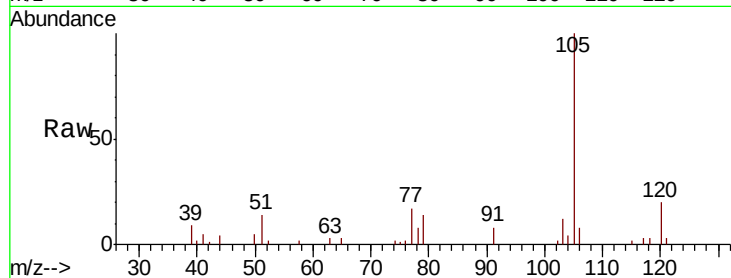
VSTDIC0.5

Tot Ion:105 Resp: 13763

Ion Ratio Lower Upper

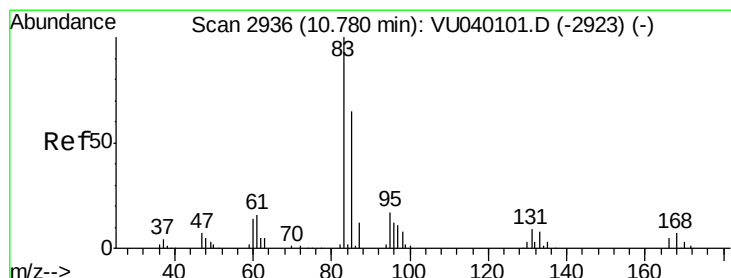
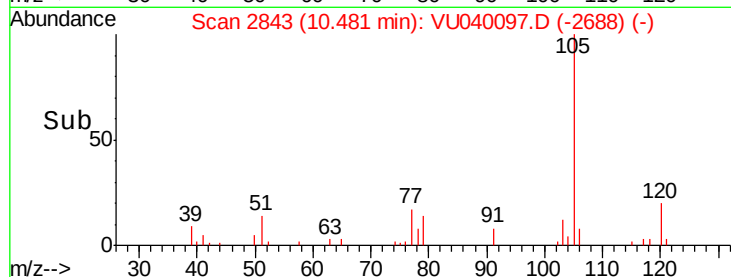
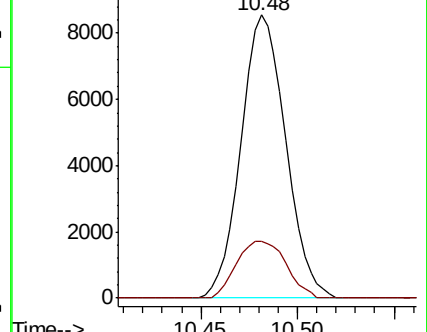
105 100

120 22.2 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.524 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

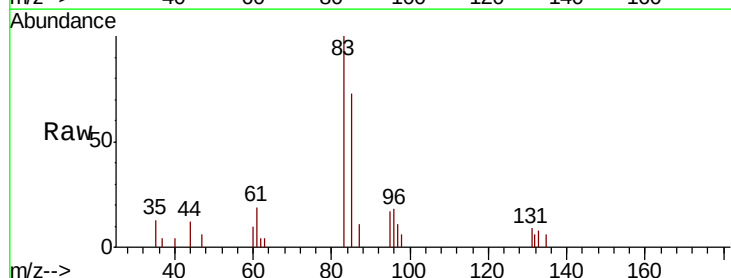
Tgt Ion: 83 Resp: 4115

Ion Ratio Lower Upper

83 100

131 8.0 7.5 11.3

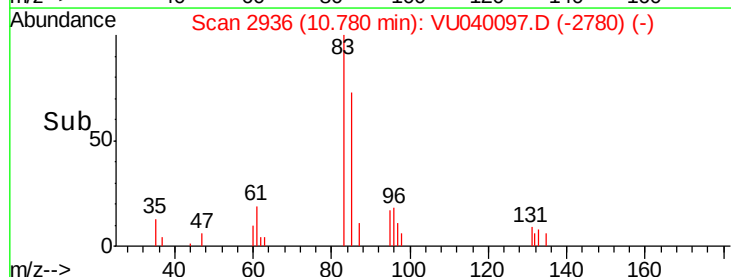
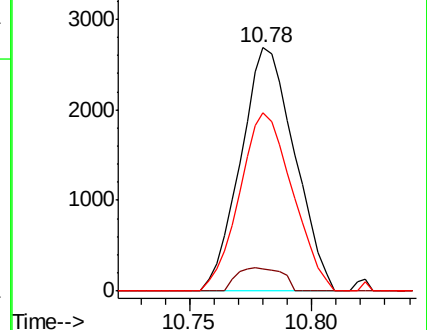
85 71.9 49.7 74.5

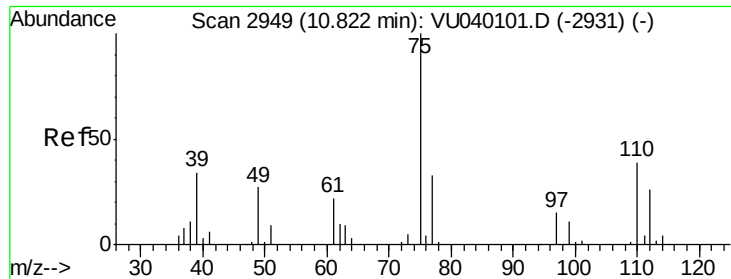


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

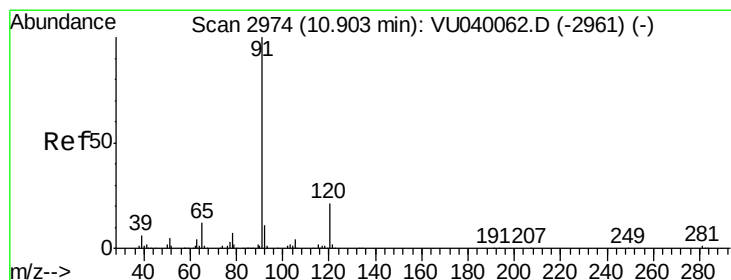
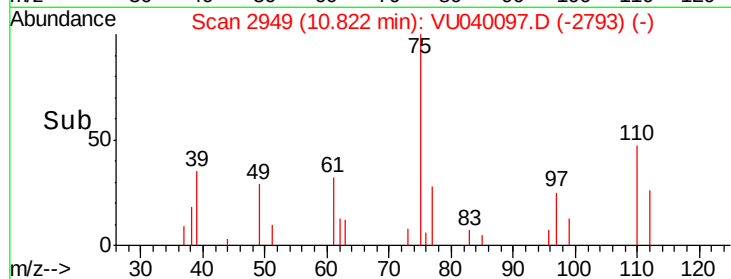
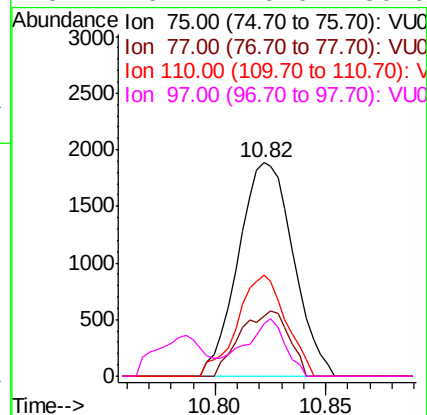
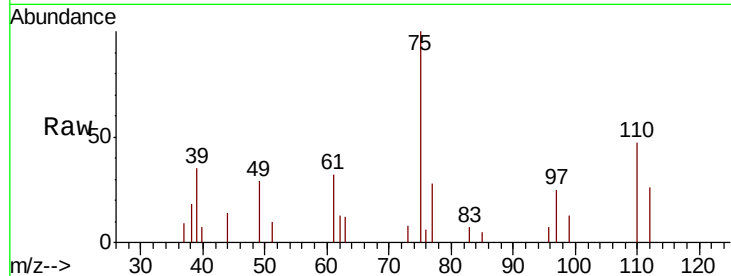




#71
 1,2,3-Trichloropropane
 Concen: 0.534 ug/l
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

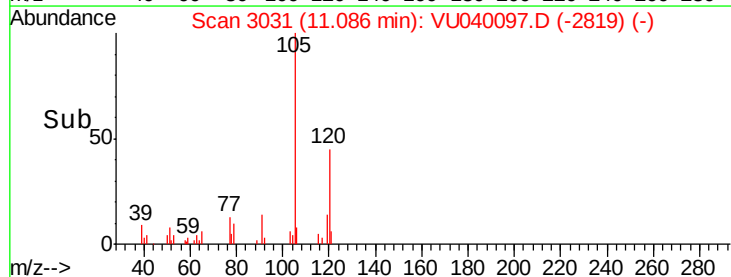
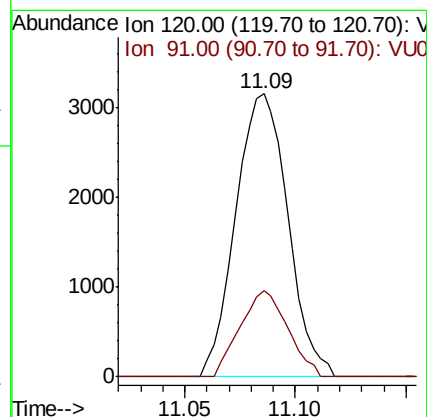
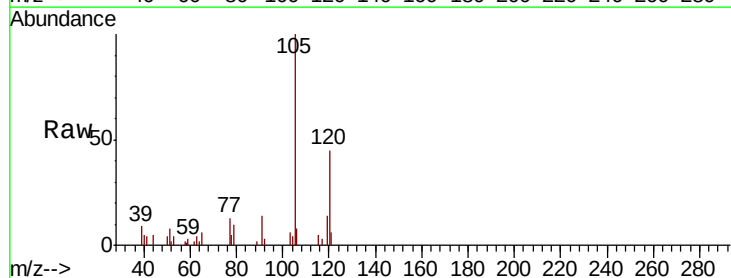
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

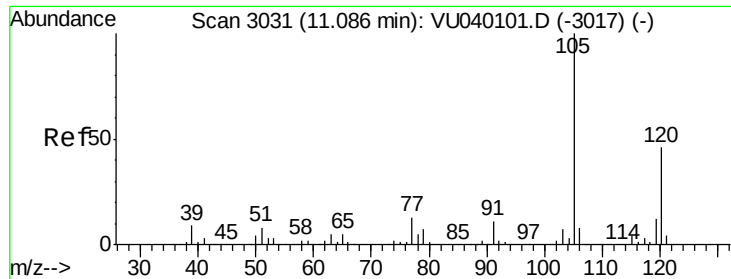
Tot Ion	Ratio	Lower	Upper
75	100		
77	27.2	0.0	111.4
110	41.7	0.0	70.8
97	19.4	0.0	36.0



#73
 n-propylbenzene
 Concen: 0.606 ug/l
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.18 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Tgt Ion	Ratio	Lower	Upper
120	100		
91	27.9	380.4	570.6





#75

1,3,5-Trimethylbenzene

Concen: 0.421 ug/l

RT: 11.08 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

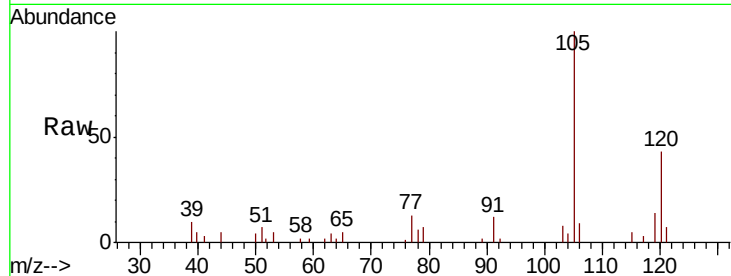
VSTDIC0.5

Tot Ion:105 Resp: 11482

Ion Ratio Lower Upper

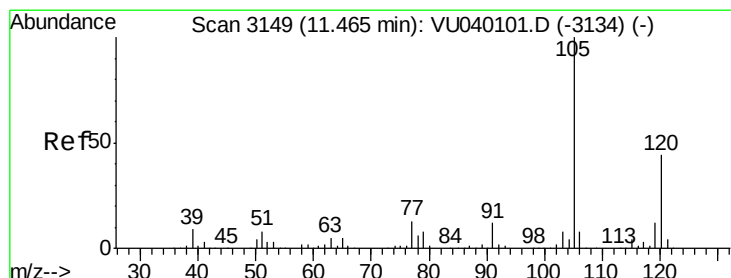
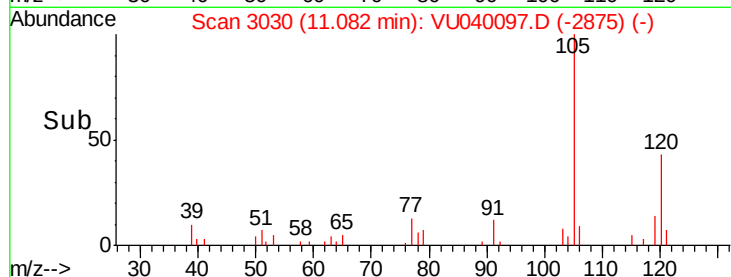
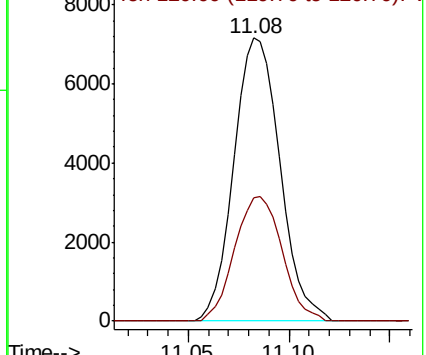
105 100

120 45.2 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.380 ug/l

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU040097.D

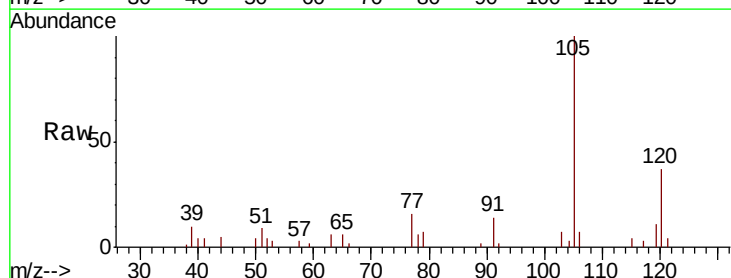
Acq: 11 Sep 2020 10:58

Tgt Ion:105 Resp: 10850

Ion Ratio Lower Upper

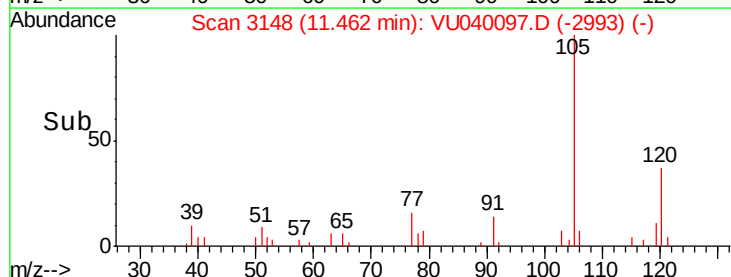
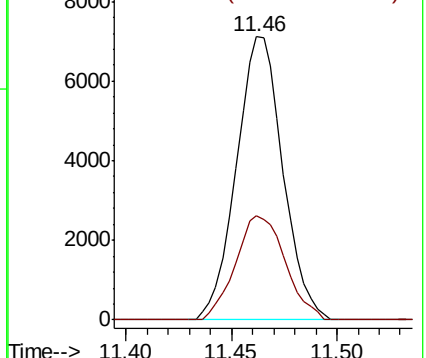
105 100

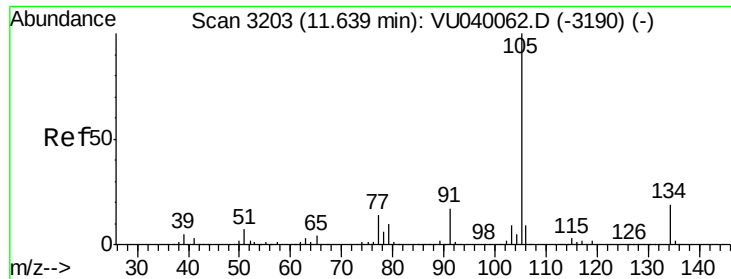
120 39.5 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.295 ug/l

RT: 11.46 min Scan# 3148

Delta R.T. -0.18 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

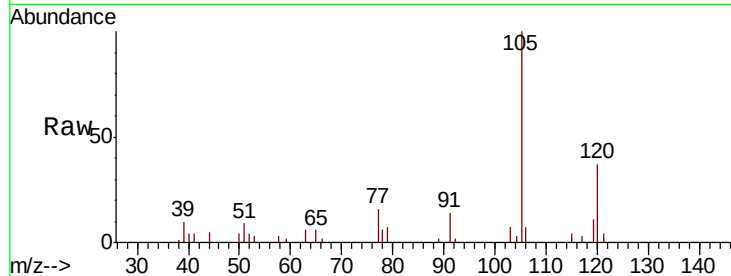
VSTDIC0.5

Tot Ion:105 Resp: 10850

Ion Ratio Lower Upper

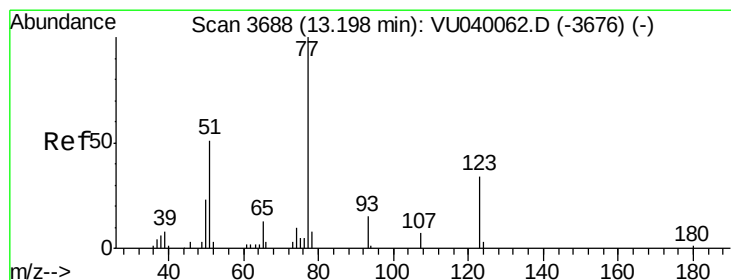
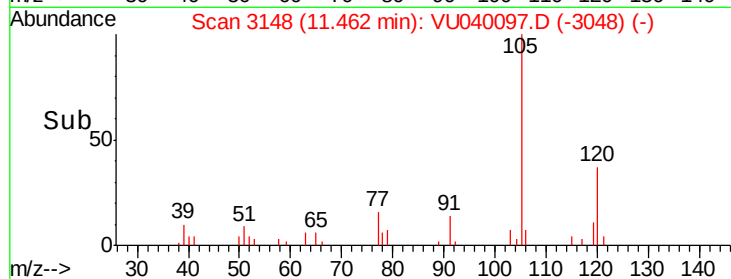
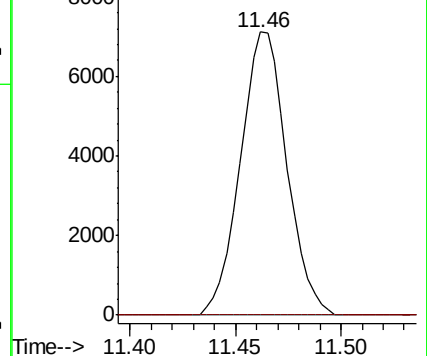
105 100

134 0.0 15.0 22.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 0.432 ug/l

RT: 12.99 min Scan# 3623

Delta R.T. -0.21 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

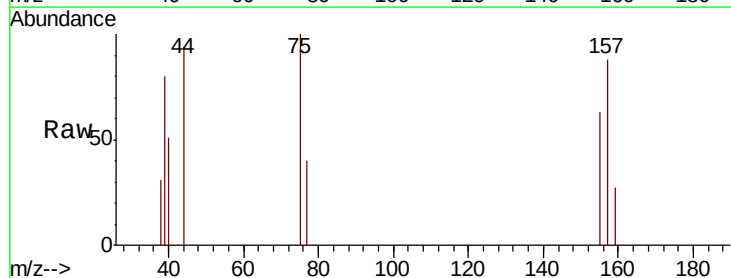
Tgt Ion: 77 Resp: 136

Ion Ratio Lower Upper

77 100

123 0.0 16.4 58.0#

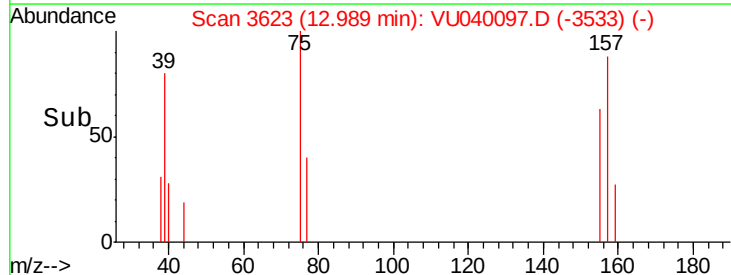
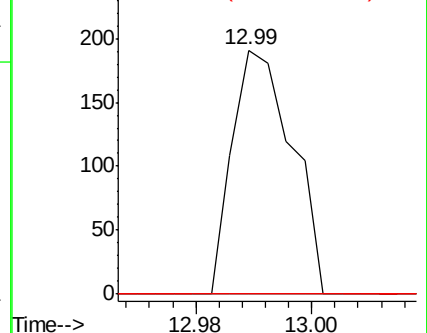
65 0.0 12.5 15.9#

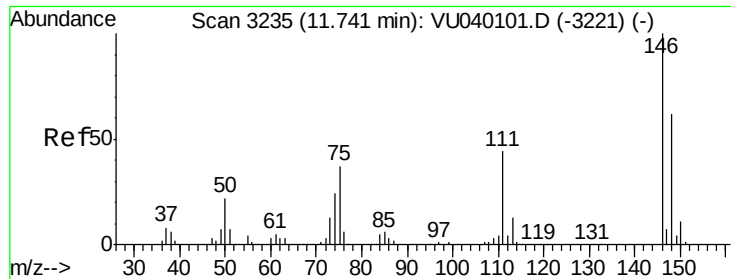


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#82

1,3-Dichlorobenzene

Concen: 0.489 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

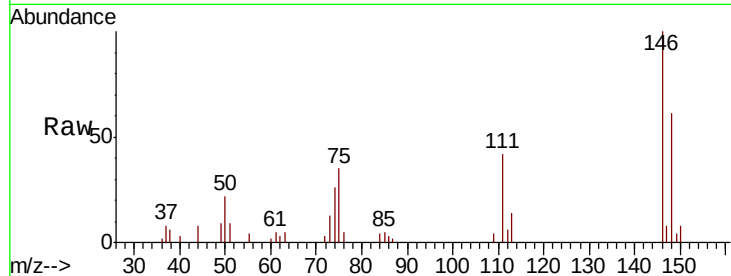
Tot Ion:146 Resp: 7825

Ion Ratio Lower Upper

146 100

111 41.7 35.4 53.0

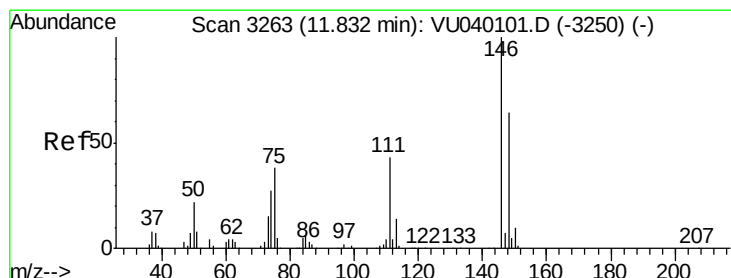
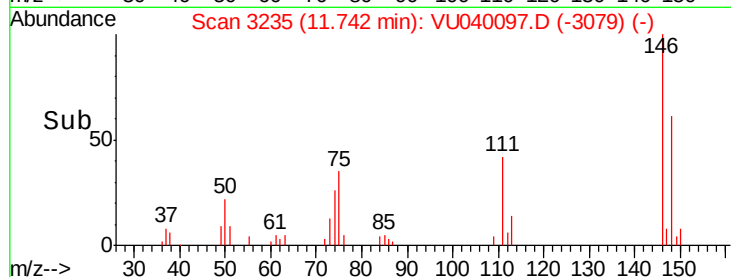
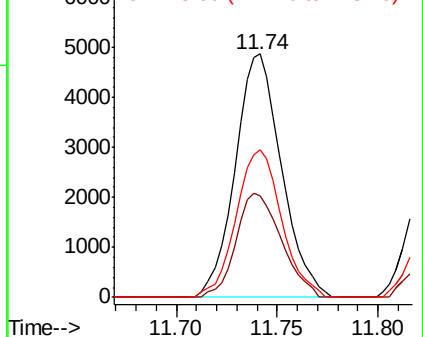
148 59.5 49.7 74.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#83

1,4-Dichlorobenzene

Concen: 0.457 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

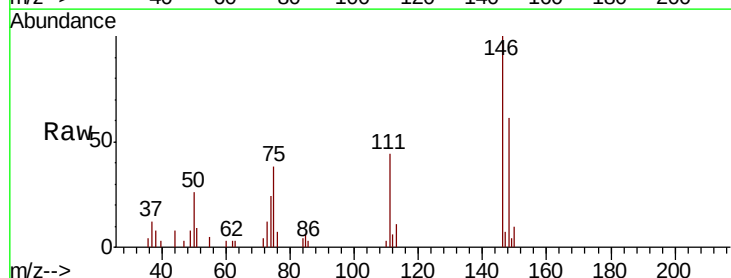
Tgt Ion:146 Resp: 7263

Ion Ratio Lower Upper

146 100

111 39.2 34.2 51.2

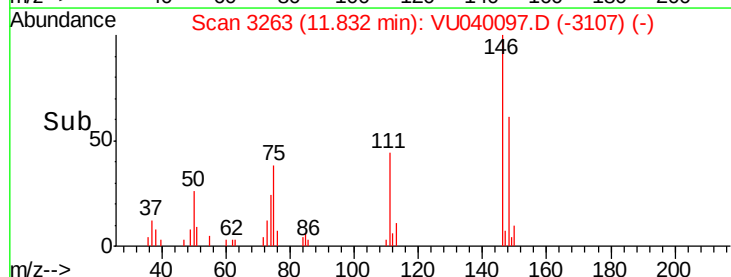
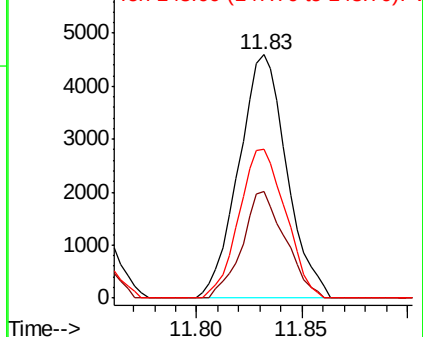
148 59.5 50.2 75.2

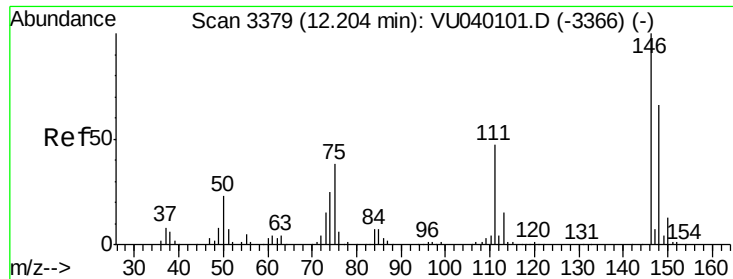


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

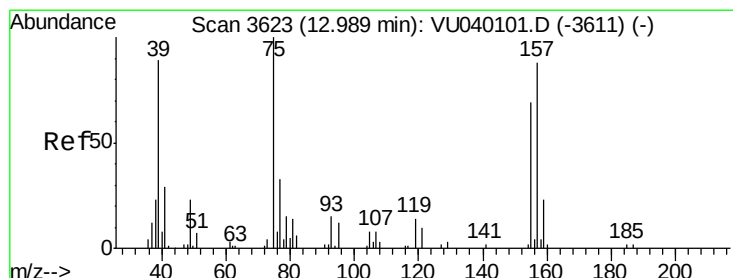
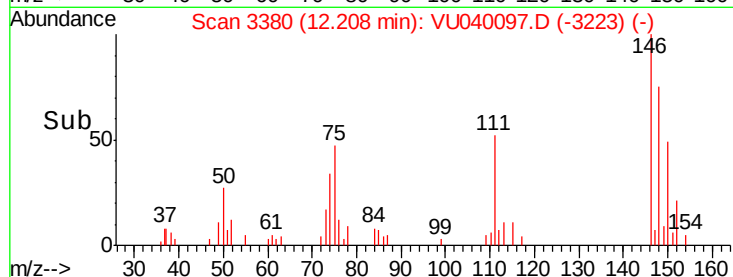
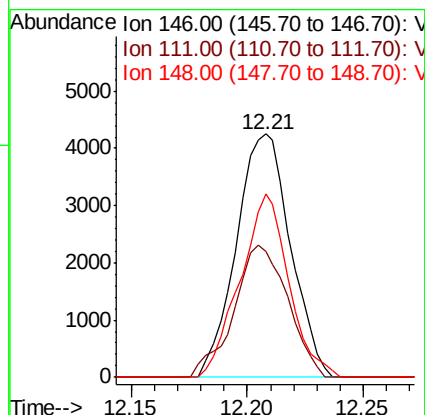
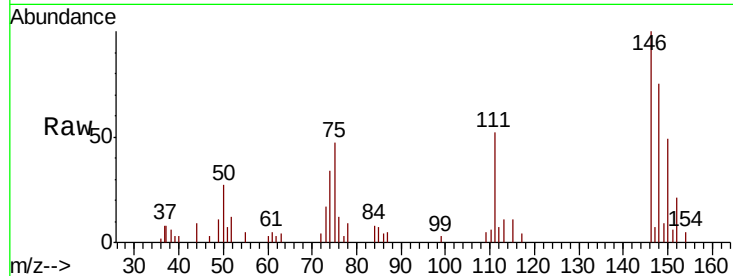




#85
 1,2-Dichlorobenzene
 Concen: 0.448 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

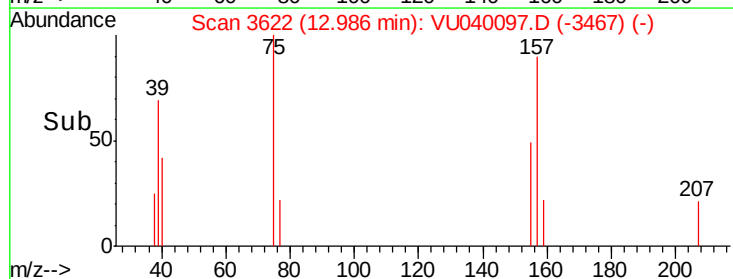
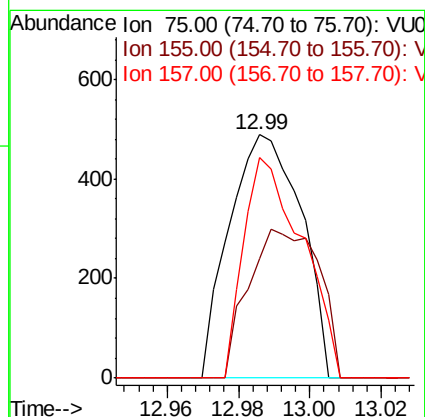
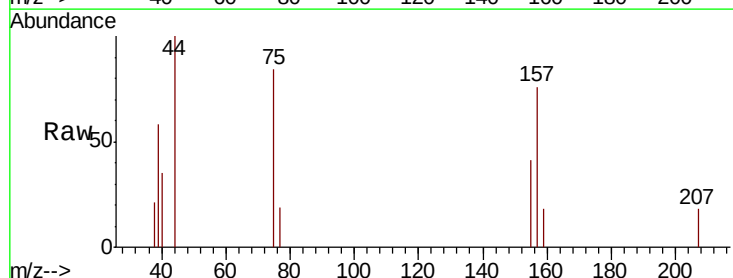
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

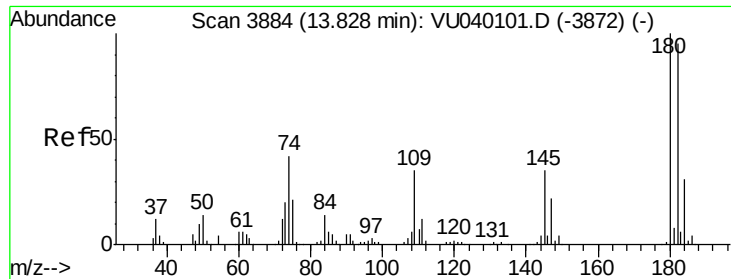
Tot Ion:146 Resp: 6885
 Ion Ratio Lower Upper
 146 100
 111 54.1 22.9 68.7
 148 67.7 31.1 93.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.464 ug/l
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Tgt Ion: 75 Resp: 679
 Ion Ratio Lower Upper
 75 100
 155 60.1 53.4 80.0
 157 74.1 65.8 98.8

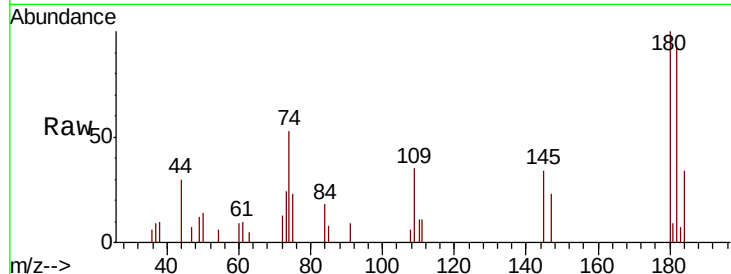




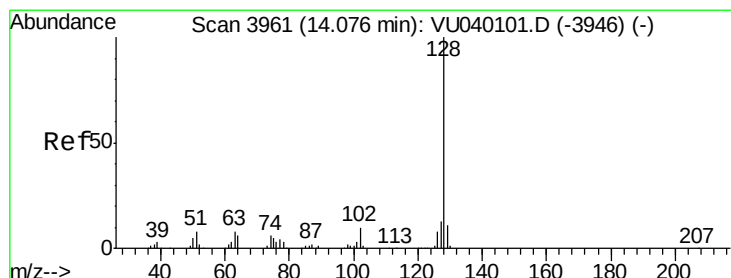
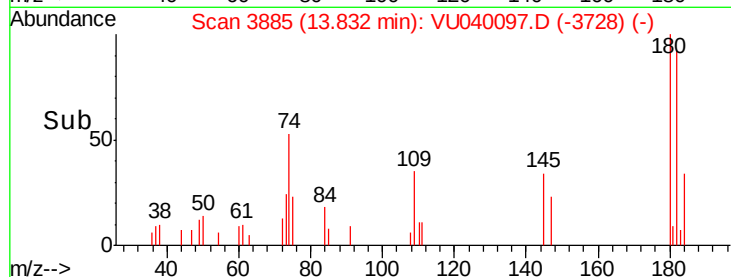
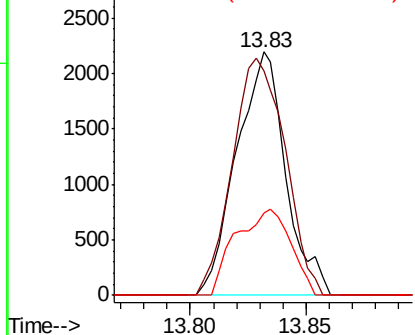
#87
 1,2,4-Trichlorobenzene
 Concen: 0.364 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:180 Resp: 3230
 Ion Ratio Lower Upper
 180 100
 182 104.5 75.0 112.4
 145 39.6 27.7 41.5

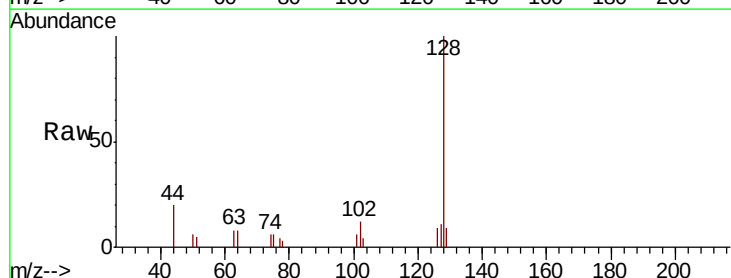


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

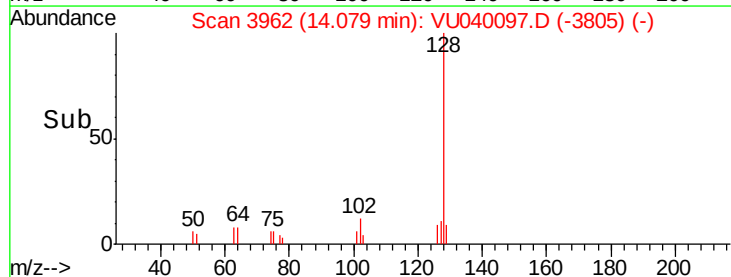
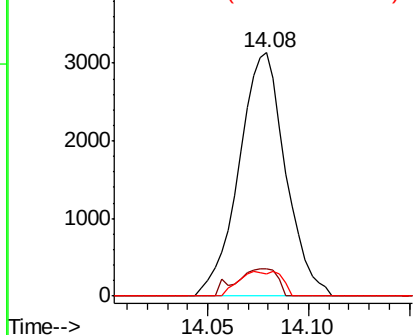


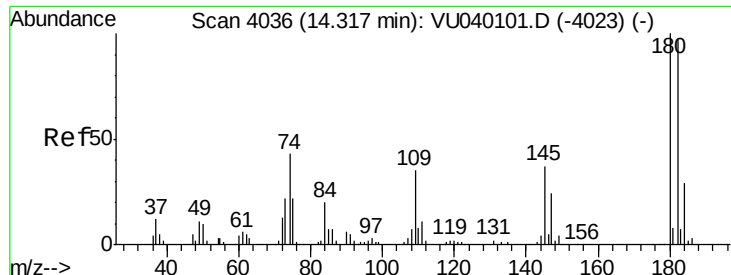
#89
 Naphthalene
 Concen: 0.293 ug/l
 RT: 14.08 min Scan# 3962
 Delta R.T. 0.00 min
 Lab File: VU040097.D
 Acq: 11 Sep 2020 10:58

Tgt Ion:128 Resp: 5066
 Ion Ratio Lower Upper
 128 100
 127 10.1 10.3 15.5#
 129 9.3 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#90

1,2,3-Trichlorobenzene

Concen: 0.388 ug/l

RT: 14.32 min Scan# 4038

Delta R.T. 0.01 min

Lab File: VU040097.D

Acq: 11 Sep 2020 10:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

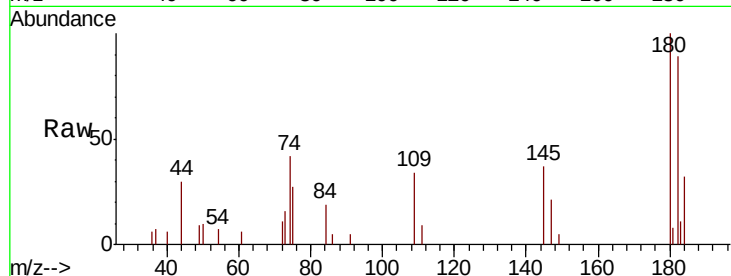
Tot Ion:180 Resp: 3206

Ion Ratio Lower Upper

180 100

182 104.7 76.0 114.0

145 36.2 30.6 45.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

